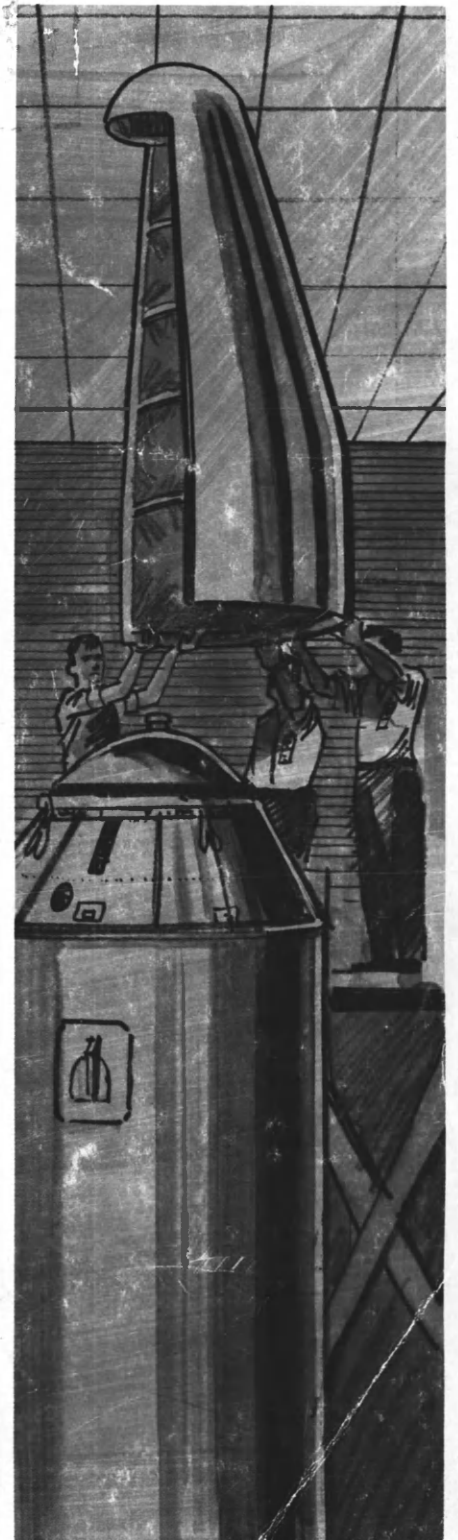
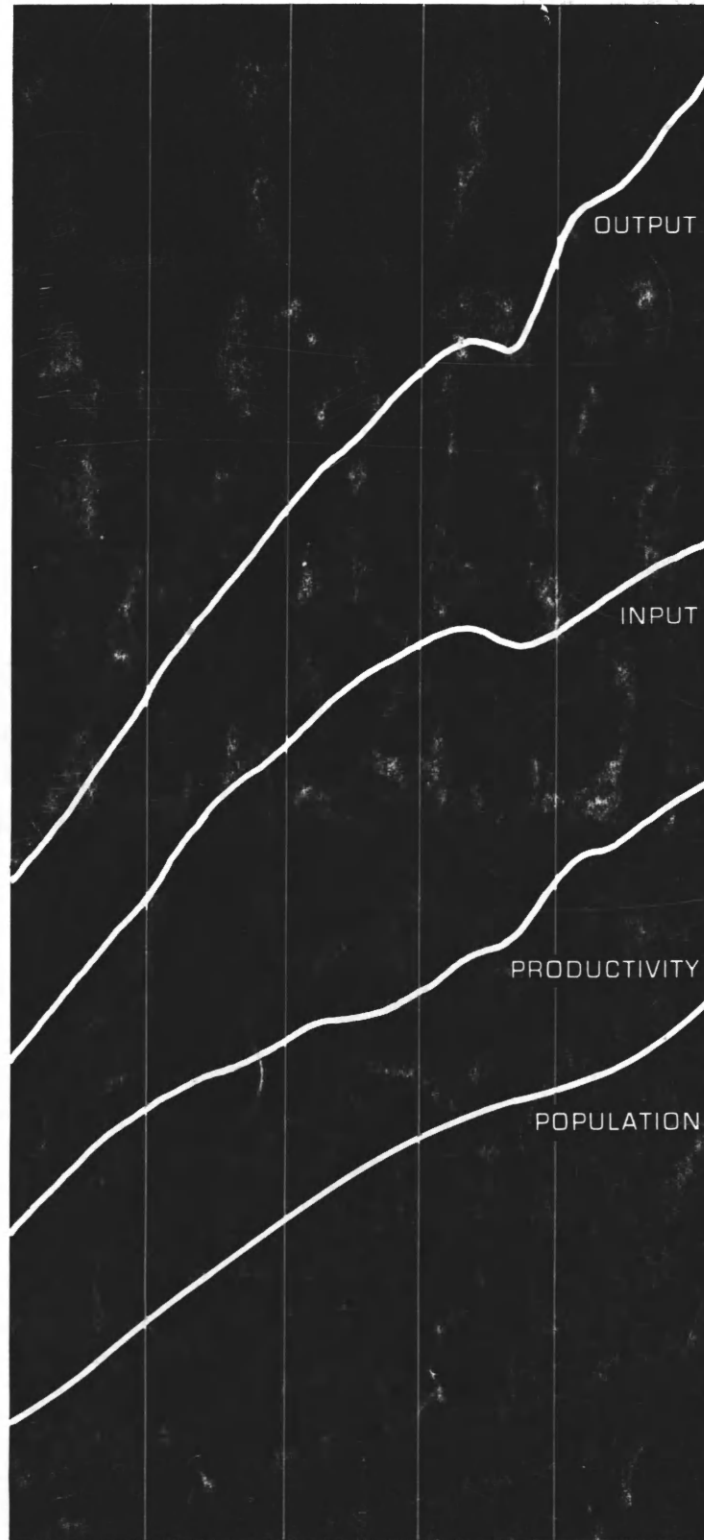


# LONG TERM ECONOMIC GROWTH

1860-1965



1860 1880 1900 1920 1940 1965



U.S. DEPARTMENT OF COMMERCE  
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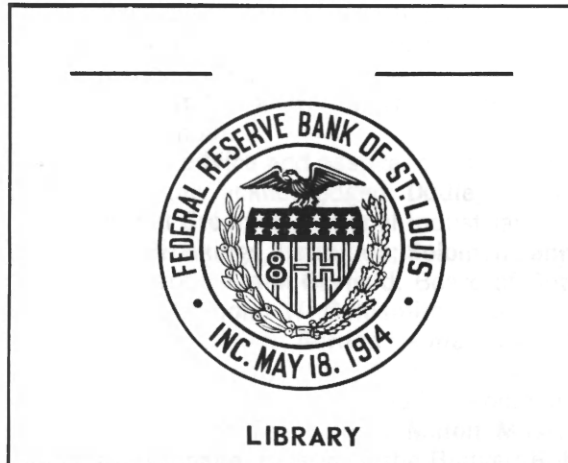
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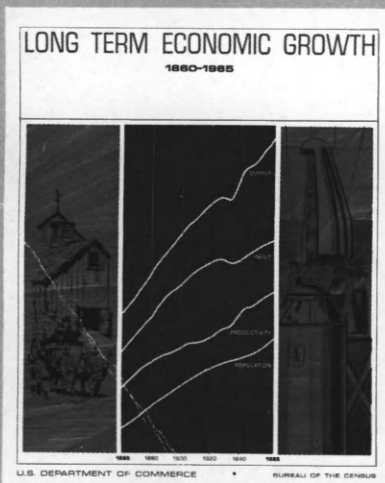
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The name of the organization or individual responsible for compiling a series is included in the series title as an aid in identifying the series. It is often the case, as is stated by the researcher whose name is listed, that the series has been made up over a long period of time by many investigators with each building upon the work of his predecessor. In these cases we have, for convenience, used only the name of the last researcher. The earlier investigators are referred to in the source notes in appendix 2 and in the original sources.

**ABOUT THE COVER** This publication provides a comprehensive view of the growth of the American economy. Trends in the principal measures that describe this growth, and around which the report is organized, are provided in the central panel. The left panel illustrates the dominantly agricultural economy in 1860 and the right panel, the highly industrialized economy in 1965.



# LONG TERM ECONOMIC GROWTH

1860-1965

A STATISTICAL COMPENDIUM ES4-No.1

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**The 3 phases of  
OUR RESEARCH AND  
DEVELOPMENT WORK  
on economic  
fluctuations**

**CENSUS METHOD II ADJUSTMENT PROGRAM.** A time series computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations and the relations among them.

The latest variant, X-11, has greater generality and scope than any of the earlier programs. It can adjust quarterly as well as monthly series and series with negative and positive numbers as well as those with positive numbers alone. The X-11 version measures and adjusts not only for seasonal variations, but also for trading-day variations. Further, it computes many summary and analytical measures of the behavior of each series. It also includes various techniques, such as F-tests and variance analysis, for use in extending the scope of time series studies.

**BUSINESS CYCLE DEVELOPMENTS.** A report for analyzing economic fluctuations lasting 3 to 8 years.

This monthly report brings together several hundred monthly and quarterly "economic indicator" series for the analysis of short-term economic trends and prospects. These series have been selected, tested, and evaluated, after half a century of continuing research, as the most useful and reliable for this purpose. The publication provides not only the basic data, but also various charts and analytical tables to facilitate such studies. In addition, a time series data bank, a diffusion index program, and a separate summary-measures computer program are available for those who wish to carry on further research in business-cycle analysis.

**LONG TERM ECONOMIC GROWTH.** A report for the study of economic fluctuations over a long span of years—back to 1860.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It has been planned, prepared, and published as a basic research document for economists, historians, investors, teachers, and students. It brings together for the first time under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. It is a unique presentation of the full range of factors required for an understanding of our country's economic development.

The data that have gone into this new statistical compendium originated in various public source materials from both Government and non-Government agencies and individuals.

# DESCRIPTIONS & PROCEDURES

**INTRODUCTION** This report is designed to show, in convenient form, the principal annual economic time series needed by students of economic growth. It represents a response to the increasing interest in expanding economic welfare, both in developed and developing countries; the economic competition among countries with different economic systems; and the establishment of economic growth as a major policy objective of the U.S. Government. It supplements many descriptive studies and causal analyses on this subject that have been prepared in recent years. It is expected to simplify the task of students in this field, whatever their explanations of economic growth and standards for judging performance happen to be, by providing a broad base of information related to economic growth and relieving those concerned with theoretical issues and economic policies of a large part of the laborious task of compiling basic data and making computations from them.

There is, at present, considerable uncertainty regarding the appropriate measures of economic growth, the methods of compiling the measures, and the accuracy of the historical records. While there is some agreement about the factors which affect long-term economic growth, there is less about their quantitative importance. In fact, there is only one comprehensive series of estimates of the quantitative importance of these factors—that by Edward F. Denison. Denison's study has had a major impact on investigations of economic growth, with one of its many contributions being the demonstration of the tenuousness of many of the estimates that are available and the need for more basic information. A major objective of **LONG TERM ECONOMIC GROWTH** is to encourage and facilitate the development of better estimates by providing a convenient framework for such work and by bringing the statistical gaps out into the open.

Thus, we hope that this report will provide an information base that will facilitate judgments on economic performance, aid in the formulation of economic policy to accelerate growth, contribute to the development of the theory of economic growth, and point up some of the gaps in the statistical intelligence system.

**LONG TERM ECONOMIC GROWTH** brings together almost 400 aggregate annual economic time series and almost 800 component series

that seem useful for studying economic growth. The report carries each series far back in history—sometimes to 1860—and will update them in subsequent editions. The adequacy and appropriateness of particular series are undergoing a continuing review by the Census Bureau research staff, in consultation with specialists in the field of long-term economic growth. New series will probably be added to future editions, while some of the present group may be dropped after further review. Limited resources and experience have confined this first edition to those data most readily available. For this reason and because of the large task of inspecting and appraising all the series that could have been included, it is recognized that this issue will have to serve as a working document to break the ground and set a pattern for subsequent reports.

Experience with similar new reports indicates that substantial changes may be expected as a result of suggestions made by those making practical uses of such material. We, therefore, welcome the comments and criticisms of those who make use of our report. Annual publication is planned until the expected suggestions of users are incorporated and the content of the report is stabilized in this sense. Subsequently, less frequent publication may suffice. One suggestion received for the second edition is that, where possible, the report coverage begin about 1800 instead of 1860. This coverage was not feasible for the first issue, but will be considered for the next issue.

Since this report is designed to focus attention on a specific subject—long-term economic growth—general-purpose source publications, such as **SURVEY OF CURRENT BUSINESS**, **HISTORICAL STATISTICS OF THE UNITED STATES**, and **EMPLOYMENT AND EARNINGS AND MONTHLY REPORT ON THE LABOR FORCE** are more appropriate for some uses. In many instances, related series as well as more complete technical series descriptions will be found in these general-purpose sources.

**LONG TERM ECONOMIC GROWTH**, which is focussed on problems of long-term economic growth, complements **BUSINESS CYCLE DEVELOPMENTS** which has similar objectives with respect to studies of short-term business conditions and prospects.

## GENERAL PLAN OF THE REPORT

This report is organized into five major parts—each part presenting a specific type of economic measure.

- I. 

---

Part I presents about 150 annual time series, measuring aggregate output, input, and productivity. These are the basic measures of economic growth. First, various measures of the growth of actual output of goods and services along with a measure of potential output are presented. They are followed by measures of the growth of inputs of various human and material productive factors. The input measures indicate the changing levels of economic resources which have been used, or are available, over the time period covered. Finally, measures of productivity, obtained simply by dividing the volume of output by the number of units of input, are presented.
- II. 

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Part II covers economic processes importantly related to economic growth. In some cases the relation to economic growth is clear; for example, the series on education, health, and research and development. Other series represent background economic activities which certainly affect long-term economic growth, though how is sometimes less clear. These series include data on prices and interest rates, saving and debt, the assets of financial institutions, the balance of payments, and monetary gold stock. The measures of the intensity of utilization of labor and capital resources and of the magnitude of seasonal and cyclical forces which are also included in this section provide a perspective against which the measures of long-term growth can be better appraised.
- III. 

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Part III presents measures below the aggregate level, measures which can be used to understand and interpret economic growth more effectively. Both regional and industry series are shown.
- IV. 

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Part IV shows measures of output, input, and productivity for six foreign countries—the United Kingdom, Canada, West Germany, Italy, France, and Japan.
- V. 

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Part V provides reference tables of growth rates which may be useful in making comparisons over various time periods among different series.
- 
- A more detailed discussion of the role of each type of measure in presenting information on economic growth is given at the beginning of each part.

## PROBLEMS OF MEASUREMENT

Many conceptual and statistical problems beset the measurement of economic growth and analysis of its sources. Some of them are briefly reviewed below. The purpose of this review is only to indicate the nature of the problems and the many uncertainties that now surround them. More comprehensive statements of the problems, and the alternative solutions and their implications—especially for data compilation—appear in the references cited.<sup>1</sup>

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<sup>1</sup> For the most part, this review is based on more detailed discussions of the same problems in *The Sources of Economic Growth in the United States and the Alternatives Before Us*, by Edward F. Denison, Supplementary Paper No. 13, Committee for Economic Development, January 1962, and "The Measurement of Aggregate Economic Growth" by George Jaszi,

*Review of Economics and Statistics*, November 1961. Also, see *The Study of Economic Growth* by Solomon Fabricant, Thirty-Ninth Annual Report, National Bureau of Economic Research, pp. 1–13, May 1959, and *Six Lectures on Economic Growth* by Simon Kuznets, The Free Press, 1959; and the additional references given in the bibliography.

**concepts for judging economic growth** Economic growth is usually considered to be growth in the output of the economy. Such growth can be measured in terms of output either on a total, a per capita, or a per worker basis, with the choice depending on the problem at hand. Alternatively, economic growth is sometimes defined in terms of per capita consumption or personal welfare. Another alternative view is in terms of changes which take place in the economic and social structure of a nation as it undergoes economic growth; for example, the changes in the rate of population growth and the amount of the labor force in agriculture which a nation about to begin economic development may experience. All the above definitions are directed to the long term; that is, to the changes or trends which occur over a decade or longer, sometimes a century.

**definition and measurement of output and related economic processes**

There are many problems in defining and measuring total output and the other economic activities presented in this report. Some of the principal ones concerning total output are indicated below. Similar problems affect many of the other types of measures presented in the report.

All growth analysts consider *real* gross national product, as distinguished from *money* gross national product, to be the appropriate measure of output. However, money data are sometimes used as a proxy for data on the physical volume of output because of the difficulties of compiling "real" data, either directly or through price deflation. For the most part, data on real output are derived through price deflation. In many areas there is a lack of actual output data so that physical volume measures cannot be built up directly. This is particularly true for the service industries and government services. Therefore, the indirect way of measuring output is used; that is, dollar volume figures are divided by price deflators. In some sectors where physical volume data are available, the advantages of the price deflation method are illusory, because price data are no more abundant nor any more accurate than physical volume data. However, some direct measures of physical volume are included in this report; for example, the Federal Reserve index of industrial production.

Total output, as compiled in the U.S. National Income and Product Accounts prepared by the Office of Business Economics (OBE), is the market value of the final output of goods and services produced by the Nation's economy. In addition to the sales of final products to their ultimate consumer, the value of total output includes additions to business inventories and the value of force-account construction.<sup>2</sup> The services of housewives and similar nonmarket items are excluded. This exclusion may lead to some overstatement in the long-run growth of output since many services which were previously performed in households and excluded from gross national product (GNP) are now included. A similar problem is inherent when comparing the United States with other countries. In many countries, a larger portion of productive activity occurs outside the market economy.

There is also the point of view, held most notably by Simon Kuznets, that the concept of total output should be less inclusive than that used by OBE. Kuznets defines total output as final output intended to satisfy wants of individual consumers. Under this definition, he excludes many national defense expenditures and those government expenditures which represent services to business enterprises.

In addition, there are the conceptual and practical problems of taking quality changes into account. While there is general agreement that improvements in product quality should be considered as increases in the quantity of output, quality changes cannot be fully taken into account in practice. It is generally believed that the price deflators do not completely reflect quality changes, since the relative quality of new products must be higher than their relative prices for them to replace the old products in the market place. Consequently, there is a tendency for the rate of growth to be understated in the output measures.

Several related problems may be mentioned. One is that of deflating the output of the construction industry. The present price deflators measure, in general, the costs of inputs rather than the outputs of the construction industry. The result is generally an understatement of the rate of growth of construction, since productivity increases are not adequately allowed for. Another is that the output of government is not directly measured, but is based on compensation of government employees. The deflated

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<sup>2</sup> However, imputations are made for four nonmarket items: (1) Employee compensation received in kind, (2) food and fuel produced and consumed on farms, (3) services derived from

owner-occupied residences, and (4) the services rendered by financial intermediaries without explicit charge. The resulting net addition is about 7 percent.

value of government output obtained by adjusting for changes in the government wage level, does not include productivity changes. Similar methods are used to obtain the "output" of domestics and nonprofit institutions. As is well known, GNP is often used in place of net output, because of difficult conceptual and measurement problems in arriving at the capital consumption allowance; that is, the amount of capital used in the production process, especially when the replacement capital embodies newer technology.

Still another problem is that of weighting the components of aggregate output. Since relative prices change over time, the selection of the base year determines the weighting of the various components of national product and affects its trend. Studies show that those output components growing most rapidly tend to show the smallest price increases while those growing least rapidly tend to show the largest price increases. Thus, a recent price base gives greater weight to the slowly growing components than does an earlier price base, and vice versa.

Finally, earlier data are less comprehensive and less accurate than recent data, themselves still subject to important limitations. From 1810 to 1899 industrial censuses were decennial, and from 1899 to 1919, they were quinquennial. Also, relatively fewer data were compiled on activities other than manufacturing in the early years of the period covered by the

report, and these are still inadequate in various respects. World Wars I and II and the depression of the 1930's demonstrated the need for more information, and the passage of the Employment Act of 1946 stimulated further interest in statistics and their uses. In addition, the increasing interdependency of economic activities and the growth of the economics and statistics professions led to the development of improved methods of statistical compilation. In many cases, the Government has taken over the series and methods of private investigators and provided better current statistics through the use of more comprehensive and more accurate underlying data.

In this connection, it is to be noted that the effects of estimating errors are reduced as the span of comparison is extended. Thus an error in the figures involved in a comparison which affects the year-to-year percentage change by 5 percentage points will affect the average annual percentage change over 50 years by only one-tenth of 1 percentage point. Similarly, the longer the period over which the comparison is made, the smaller the effects of cyclical and irregular factors. Because there may be persistent biases in some measurements of change, however, and because significant differences in trends may take place during a nation's economic history, a single measure of the average long-term trend must be used with caution.

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**selection of statistical indicators** The selection of statistical indicators useful in studying the sources of economic growth is beset with many difficulties. One is that a comprehensive theory of economic growth is at an early stage of development and does not yet provide adequate guidelines. A second is that despite the relative abundance of our statistics, there is a paucity of data in certain key areas. For example, our national wealth data are piecemeal, particularly on the age and efficiency of capital. Also, few data are available on quality of education or quality of labor. A third difficulty is that many of the series available cover only a relatively short span of years. This latter point is true of our series on capacity (which start in the late 1940's) and research and development (which start in the 1930's).

The series included in this report as measures of the sources of economic growth represent a selection which several experts in the field of economic growth now consider most

relevant. To a large extent, the selection relies on the list of 31 factors presented by Edward F. Denison which potentially could affect the rate of growth (some to a much greater degree than others). Many of these factors are presented in parts I and II of the report. Several, however, are not directly presented in this report because data are not available. They include the elimination of several types of institutional barriers to the most efficient use of resources, the increased mobility of labor, the reduction of crime, and an increase in the advance of knowledge.

Some studies emphasize other sources of growth such as the availability and utilization of natural resources and energy; or the intangibles such as the role of the innovator and risk taker and our method of economic organization, dominated by free markets and competition. In general, series for such additional factors have not been included in this report principally because adequate relevant data do not now exist.



## separation of long-term growth from the business cycle

Since 1834, the American economy has experienced 31 business cycles from about 3 to 8 years' duration. These cycles have been characterized by alternating periods of expansion and contraction. In addition, there have been four wars with major effects upon the pace of economic activity. The measurement of economic growth and long-term trends in many of the series is greatly complicated by the presence of fluctuations associated with business cycles and the types of irregular movements caused by wars.

For example, from 1909 to 1965, the annual

percentage changes in total real GNP ranged from  $-14.7$  to  $+16.1$  a year. These changes primarily represent the year-to-year effect of the business cycle as the economy shifts from high- to low-level operation or vice versa. Such shifts do not represent growth in output in the sense that we are concerned with in the report. Rather, growth is represented by various types of measures which "adjust" for business cycles and long-term irregular movements. Thus, year-to-year changes in measures of potential GNP range from  $-0.2$  to  $6.5$  with most measures concentrated in the interval from  $0.1$  to  $3.9$  as can be seen from the table below.

**Table A.**  
DISTRIBUTION  
OF YEAR-TO-YEAR  
PERCENT CHANGES  
IN ACTUAL  
AND POTENTIAL  
REAL GNP

| Intervals of percent change | Actual GNP 1909 to 1965 |         | Potential GNP (Knowles) 1909 to 1964 |         | Potential GNP (CEA) 1952 to 1965 |         |
|-----------------------------|-------------------------|---------|--------------------------------------|---------|----------------------------------|---------|
|                             | Number of measures      | Percent | Number of measures                   | Percent | Number of measures               | Percent |
| All intervals.....          | 56                      | 100.0   | 55                                   | 100.0   | 13                               | 100.0   |
| -4.0 and lower..            | 8                       | 14.3    | .....                                | .....   | .....                            | .....   |
| -0.1 to -3.9....            | 8                       | 14.3    | 1                                    | 1.8     | .....                            | .....   |
| 0.0.....                    | 1                       | 1.8     | .....                                | .....   | .....                            | .....   |
| 0.1 to 3.9.....             | 11                      | 19.6    | 34                                   | 61.8    | 13                               | 100.0   |
| 4.0 to 7.9.....             | 15                      | 26.8    | 20                                   | 36.4    | .....                            | .....   |
| 8.0 to 11.9.....            | 6                       | 10.7    | .....                                | .....   | .....                            | .....   |
| 12.0 and greater..          | 7                       | 12.5    | .....                                | .....   | .....                            | .....   |

Four techniques are used in this report to show measures of long-term trends as distinguished from cyclical and irregular fluctuations:

(1) Potential GNP estimates made by the Council of Economic Advisers and by the staff of the Joint Economic Committee of Congress are presented. These measures show estimates of GNP assuming reasonably full employment.

(2) A new technique was developed to distinguish rates of change which may be taken as measures of growth from those that are biased from this point of view. This technique, suggested by Denison, is used in the presentation of the growth-rate triangles in part V. The total unemployment rate is used as a measure of how close the economy is operating to its potential output in selecting appropriate years for comparison. Comparisons between years with similar unemployment rates are taken as more valid measures of economic growth than comparisons between years of relatively high unemployment rates and years with relatively low rates (or between years of relatively low unemployment rates and years with relatively high rates). This technique is described in more detail in part V.

(3) An averaging technique was used to combine annual data into measures of the average level of activity over each business cycle. These business cycle averages then provide the basic data in computing growth rates and in showing the relative importance of geographic divisions and industries in part III. They minimize the effects of the varying cyclical amplitudes of the geographic divisions and industries. These cycle averages, unlike the comparison of selected years in which the unemployment rates are equal, measure the average level over the business cycle, thus reflecting an "output" rather than a "capacity" concept of growth. The computation of cycle averages is discussed in more detail in part III.

(4) Growth-rate comparisons of U.S. geographic divisions and industries and of the United States and foreign countries are presented only for long spans where the terminal dates have been picked carefully in order to minimize the effect of cyclical fluctuations. In general, growth rates were computed from one cycle average to another or between years of approximately equal unemployment. In some instances, the standards have been relaxed a little to include comparisons based on the current period which does not in-

clude a complete business cycle. Therefore, current comparisons may be influenced more than longer historical comparisons by the business cycle and other short-term effects.

Although it is highly useful to separate the short-term from the long-term fluctuations in measuring economic growth, as is done in this report, the two types of economic movements are interrelated to some extent. For example,

cyclical fluctuations often influence business and government decisions concerning the timing and scope of long-term investment commitments. In the 1930's, they also affected the birth rate with a consequent effect on today's labor force. Likewise, expected long-run increases in economic activity, foreshadowed by such indicators as population, affect the patterns and magnitude of cyclical fluctuations.

**selection of growth-rate formulas** A growth rate can be defined as the slope of the trend line of a historical series. A constant rate of growth

over a period of years is usually expressed as the "average percentage increase per year." A trend line with a constant rate of growth appears

**Chart A. Comparison of alternative growth rate formulas for U.S. gross national product, 1890 to 1965**

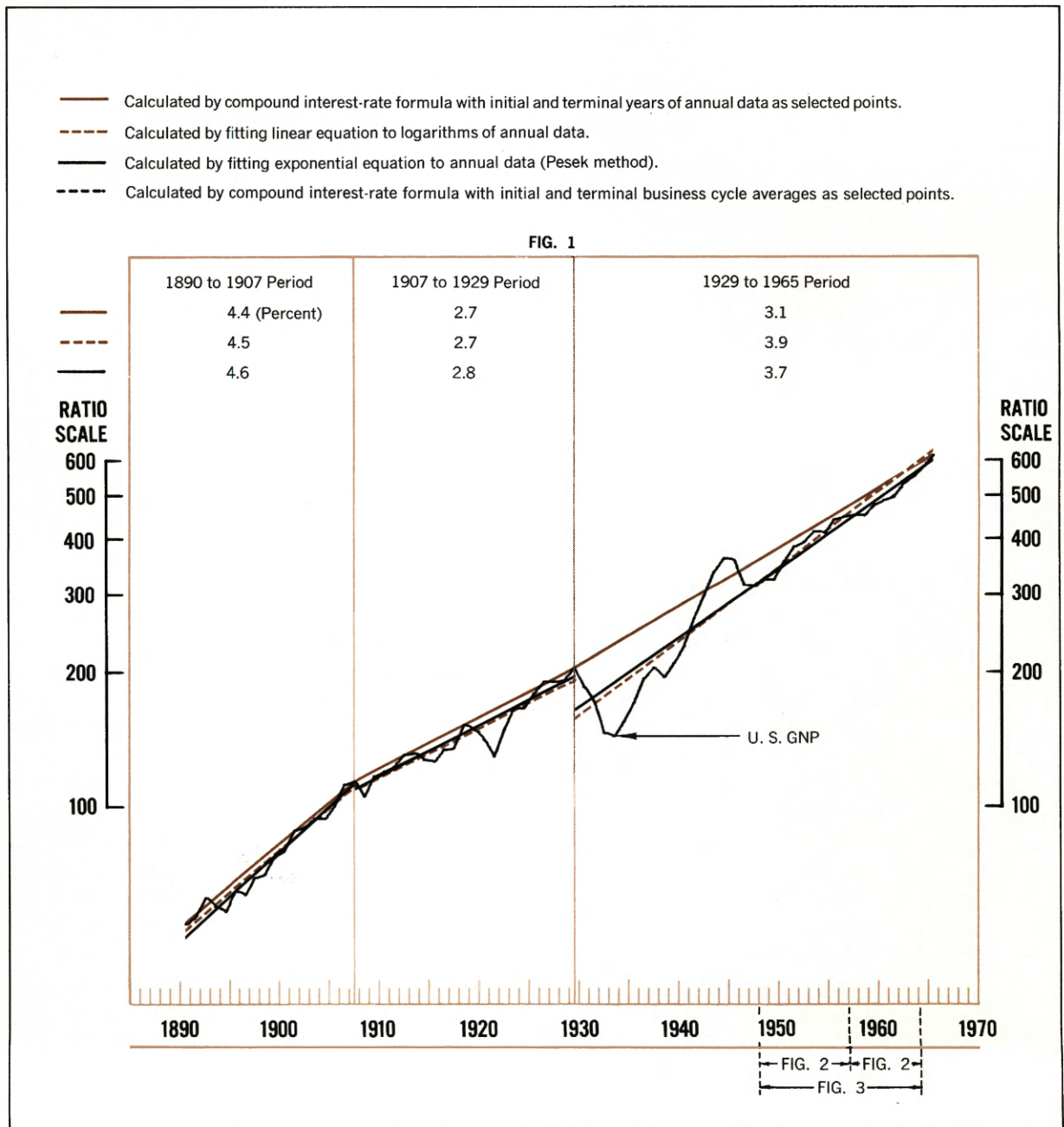
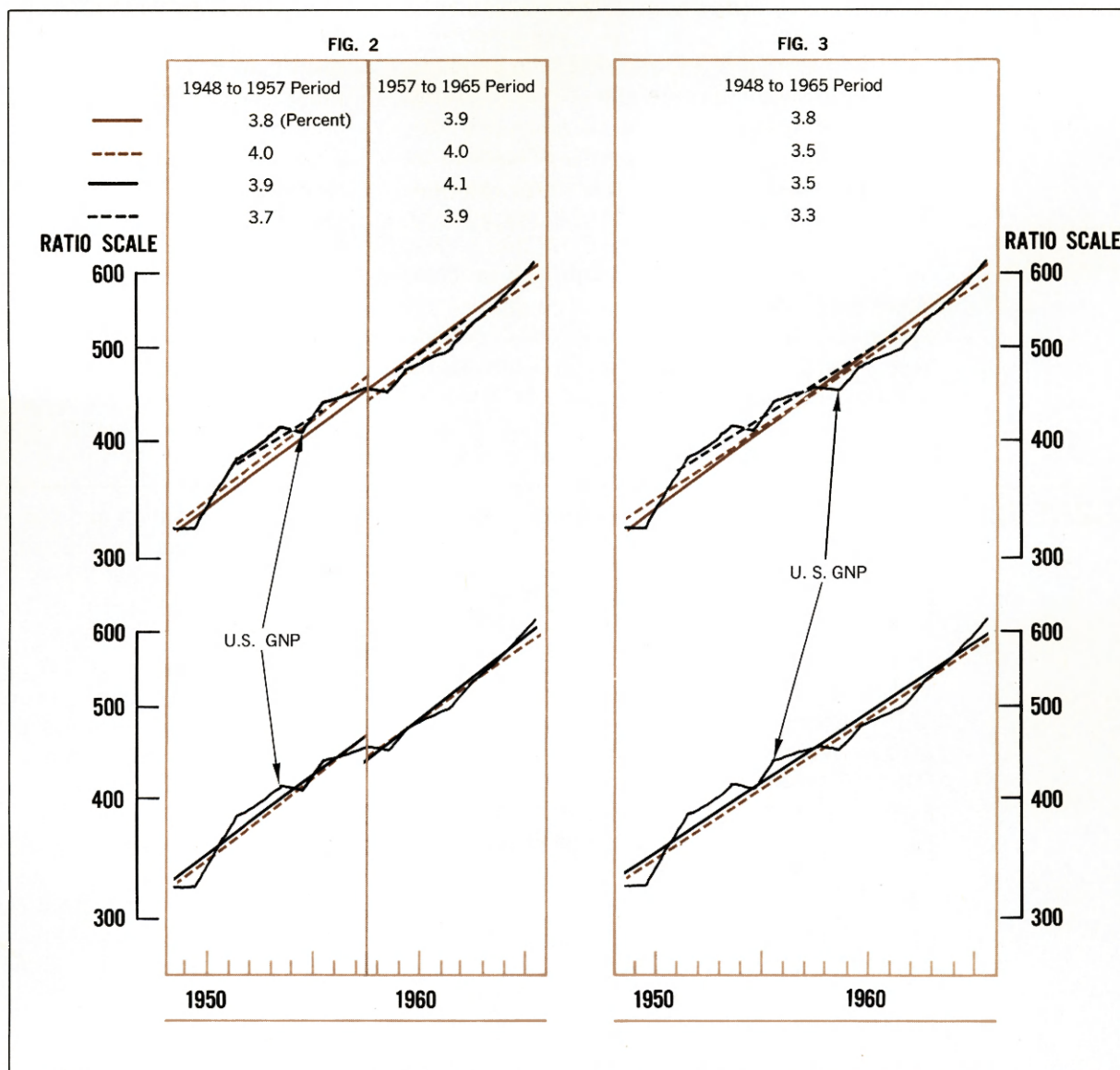


Chart A. Comparison of alternative growth rate formulas for U.S. gross national product, 1890 to 1965—continued



as a straight line on a ratio scale chart. Two widely accepted alternatives for computing such growth rates are (1) the method of selected points, and (2) a linear trend fitted by least squares to the logarithms of the data.

The method of selected points, the most frequently used technique, does not take account of intervening values; it estimates the growth rate by simply connecting the logarithms of the beginning and terminal values of the period of years considered with a straight line.<sup>3</sup> It is not influenced by the particular pattern of cyclical variations which occurs between the initial and terminal years.

A linear trend fitted by least squares to the

logarithms of the data minimizes the sum of the squared deviations of the logarithms of the data from the logarithms of the trend and equates the sum of the logarithms of the data with the sum of the logarithms of the trend. Thus, it is influenced by the particular pattern of cyclical variations between the initial and terminal years.

There are several alternatives to the standard technique of fitting a linear trend to the logarithms by least squares, which fit an exponential curve directly to the data themselves. The advantage of these alternatives is that they equate the sum of the data with the sum of the trend values rather than with the sum of the loga-

<sup>3</sup>The trend line is given by the compound-interest-rate formula which in logarithms is  $\log X_t = \log X_1 + n \log (1+r')$  where  $X_1$  is the initial value and  $X_t$  the terminal value of the

series,  $n$  is the span of years, and  $r=r' \times 100$  is the percentage rate of growth. To calculate the rate of growth the formula is rearranged  $r = \left( \frac{X_t}{X_1} \right)^{1/n} - 1.0 \times 100$ .

rithms (sums are more meaningful for economic data than products; i.e., sums of logarithms). However, the results are usually quite similar to those obtained by the standard technique.<sup>4</sup>

In estimating growth rates, the time period to be covered should be carefully selected. If the period is too short, say 5 to 10 years, the estimated growth rate may be greatly influenced by transitory conditions in the economy. In such instances, the estimated rate will not actually represent the long-term trend of the series. On the other hand, a growth rate can be computed over too long a period. The path of development of some series over long periods cannot be approximated by a trend line representing a constant percentage rate of increase. In such cases, it may be more meaningful to compute growth rates for various subperiods or

to fit a trend line which does not have a constant rate of growth. In addition, the time period should be selected in such a way that short-term cyclical fluctuations do not bias the calculated growth rate, particularly for a relatively short period where the effect of the business cycle may be large.

Trend lines for GNP in the United States, derived by various methods of computing growth rates, are shown for selected periods in chart A.

In this report, the term "average annual growth rate," or "growth rate" for short, is reserved for measures of change computed from data adjusted for price changes. Measures of change computed from current dollar data, such as those in part III, are designated as "average annual percentage changes."

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**ABBREVIATIONS** The following abbreviations are used throughout the report:

APS American Philosophical Society  
BLS Bureau of Labor Statistics, Department of Labor  
CEA Council of Economic Advisers  
CED Committee for Economic Development  
DOD Department of Defense  
FDIC Federal Deposit Insurance Corporation  
FHA Federal Housing Administration  
FR Federal Reserve: Board of Governors of the Federal Reserve System  
GNP Gross national product  
HEW Department of Health, Education, and Welfare

INS Immigration and Naturalization Service  
JEC Joint Economic Committee, Congress of the United States  
NBER National Bureau of Economic Research, Inc.  
NICB National Industrial Conference Board  
NSF National Science Foundation  
OBE Office of Business Economics, Department of Commerce  
OECD Organisation for Economic Cooperation and Development  
PHS Public Health Service  
SEC Securities and Exchange Commission  
SIC Standard industrial classification  
SSRC Social Science Research Council  
USDA U.S. Department of Agriculture

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<sup>4</sup>Two methods of fitting an exponential trend to the actual data are discussed by Neville L. Rucker and Dudley J. Cowden in *Tables for Fitting an Exponential Trend by the Method of Least Squares*, Technical Paper 6, University of North Carolina School of Business Administration. Other procedures for

fitting an exponential trend directly to the data are described by Boris P. Pesek in "Economic Growth and Its Measurement," *Economic Development and Cultural Change*, Vol. IX, No. 3, April 1961.



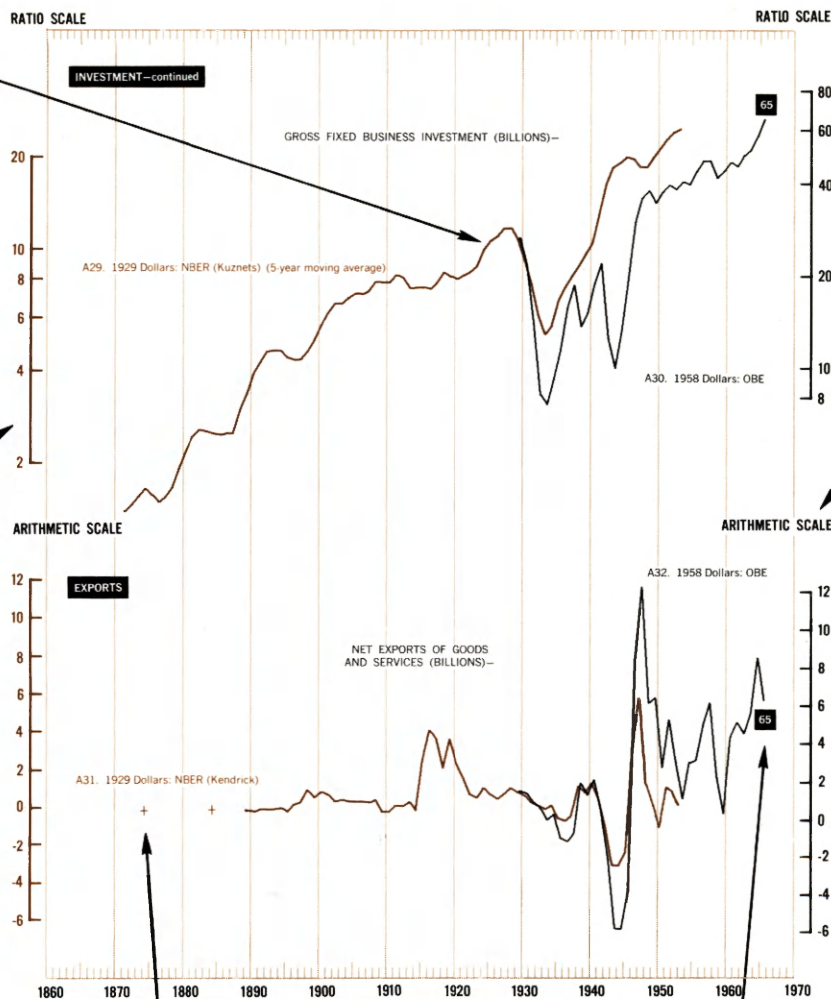
# HOW TO READ TIME SERIES CHARTS

A **LINE IN COLOR** indicates source for early years is different from source for current data. The data from the early source, in many cases, is not exactly comparable but is shown in order to extend series back to the 1800's. (In a few cases, color has been used for other purposes.)

**RATIO SCALES** are used for most series in this report. A tenfold increase in the ratio scale covers approximately 2.7 inches vertically.

A **SCALE IN COLOR** indicates unit of measure for early data is different from that for later data; for example, 1929 dollars vs. 1958 dollars. Generally, when two series are in different units, the left scale is aligned so that the two 1929 values coincide when plotted.

**ARITHMETIC SCALES** are used for series with zero or negative data and for data shown as percentages.



**CROSSES** (sometimes connected with narrow solid or broken lines) indicate data plotted less frequently than annually. Usually such data are averages of annual data over some period such as a decade. See series descriptions and basic data tables for the period covered.

The **BOXED NUMBER** at the end of the series line indicates the latest year plotted.

All data are plotted at **MIDYEAR POINTS**; i.e., data for 1900 are plotted to the right of the vertical line indicating the beginning of that year.





## Part I. AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

---

The core series necessary for studying economic growth are presented here. These are various measures of the output of the U.S. economy such as gross national product, industrial production, and personal consumption expenditures; measures of input such as the amount and types of labor and capital available for producing the economy's output; and measures of the productive efficiency of labor and capital. The general descriptions and important characteristics of the series are discussed below to provide a starting point for studying the charts. More detailed definitions of the series are included in Appendix 2, Series Descriptions and Sources.

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**measures of output** Measures of output can be placed roughly in three groups: (1) Actual and potential aggregate output, (2) major components of gross national product, and (3) distribution of output to residents of the Nation.

The measures of actual and potential aggregate output include gross national product in both constant and current prices, potential gross national product, national income and net national product, gross private domestic product, and industrial production.

Gross national product (GNP) is defined by the Office of Business Economics (OBE) as the market value of all final output of goods and services produced by the Nation's economy, before deduction of depreciation charges for capital goods. GNP, the most inclusive measure of total final production, covers both public and private output produced by all factors whose owners reside in the United States. The series, in 1958 prices, measures output corrected for price changes and is referred to in the report as "GNP in 1958 dollars." It is the primary measure of output.<sup>1</sup>

Current-dollar GNP, which includes the effect of price changes, provides a basis for comparing total output with measures that are available only in current dollars (for example, the financial series and the measures of education and research and development expenditures in part II).

Two estimates of potential GNP are presented. They are designed to show what total output

would be each year if the economy had been operating at assumed high levels of employment (96 percent of the labor force employed). Hence, the potential series do not show the business cycle contractions during which labor and capital were not fully employed, nor the forced draft conditions of wartime during which labor and capital were operating above optimum rates. Potential GNP, as represented by these series, serves to separate the short-term cyclical movements from the long-term growth of the economy. Potential GNP provides a basis for studies such as Knowles' and Denison's, which estimate the contribution of various types of inputs and of productivity to the long-term growth in output.

Measures of net national product and national income, which represent the economy's total output after capital consumption allowances are deducted, are included as additional measures of total output. They serve as a reminder that, for growth studies, the growth of output available for distribution after allowance for capital consumption is a more ideal measure than total GNP. Gross private domestic product is included because it is used frequently in productivity studies. The index of industrial production is less inclusive, being limited to measuring changes in manufacturing, mining, and electric and gas utilities; nevertheless, it is also a widely used indicator of the Nation's economic growth.

With the exception of the Federal Reserve industrial production index, the measures of out-

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<sup>1</sup> Most of the revised gross national product data which incorporated the 1958 benchmark information in the U.S. National Income and Product Accounts are used in this issue of the report. The revised data not available on our press date; e.g.,

manufacturing gross product, series A20, and State personal income, series C1 to C70, will be published in the *Survey of Current Business*.

put for the current period are those compiled by the Office of Business Economics, Department of Commerce, and published in the national income and product accounts. Total GNP extends back to 1909; the components generally extend back to 1929. For years before 1929, data compiled by private investigators are used—primarily those compiled by Simon Kuznets and adjusted by John W. Kendrick (see PRODUCTIVITY TRENDS IN THE UNITED STATES) to conform generally to OBE's definitions. Kendrick's adjustments have not been reworked to reflect the definitional revisions in-

produced by OBE in the August 1965 issue of the SURVEY OF CURRENT BUSINESS.

For total GNP, a second private estimate, Variant I from Kuznets' CAPITAL IN THE AMERICAN ECONOMY, is presented for the period 1869 to 1953. Variations between Kuznets' Variant I and the OBE, Kendrick-Kuznets series are due to differences in definition,<sup>2</sup> different statistical sources and techniques, and different price bases. Kuznets' Variant I has a lower growth rate since 1929 primarily because he excludes many types of military expenditures from final output.

**Table B.**  
AVERAGE ANNUAL  
GROWTH-RATE  
COMPARISONS  
(Percent)

| Period               | OBE-Kendrick<br>(series A1 and A2) | Kuznets<br>(series A3) |
|----------------------|------------------------------------|------------------------|
| 1869-78 to 1929..... | 4.0                                | 4.1                    |
| 1879-88 to 1929..... | 3.5                                | 3.6                    |
| 1909 to 1929.....    | 2.8                                | 3.3                    |
| 1929 to 1953.....    | 3.0                                | 2.4                    |

The inclusion of this alternative GNP series indicates that the manner in which concepts, such as total output, are defined and measured must be considered when using the statistical measures presented here. Such conceptual and measurement problems are discussed in the introduction.

The second group of output measures are two different breakdowns of GNP into major components. The first set, the farm and nonfarm components, pictures one of the major themes running throughout the report—the shift from agriculture to manufacturing and services.<sup>3</sup> The causes and effects of this shift are also seen

in the charts showing productivity, income, population, and the occupational distribution of the labor force. The second set indicates how total output is divided among consumption, private investment, and government expenditures.

The third group of output measures indicates the manner in which aggregate output is divided among the residents of the Nation. These measures include personal and disposable income on a per capita basis, family income distribution, and the distribution of national income by type of income.

**measures of input** Input measures are presented in four groups: (1) Measures of labor, capital, and total input; (2) measures of man-hours and employment in the total economy and in the nonagricultural and manufacturing sectors; (3) measures of the characteristics of the labor force and population; and (4) measures of capital stock.

The first group of input series—measures of labor, capital, and total input—were developed by John W. Kendrick and Edward F. Denison in their studies of productivity and economic growth. These are the most comprehensive

and refined input measures available. They may be considered as weighted averages of the more familiar statistics on employment and stocks of capital goods, where the weights are the income received by the various types of labor and capital.

A comparison of these input measures shows that Denison's measures increase much more rapidly than Kendrick's. Denison's measure of labor input includes adjustments for quality changes arising from advances in education, the effect of reducing the workweek, and the in-

<sup>2</sup> Kuznets includes as final products only those produced by economic activity intended "to satisfy wants of individual consumers who are members of the Nation, present and future," while the OBE, using a market-place concept, defines a final product as "a purchase that is not resold." These conceptual differences result in two major differences in coverage: (1) Kuznets counts as government purchases the cost of only those activities which go directly to satisfy consumers or into durable capital formation including military construction and munitions; while OBE includes total government purchases of goods and services as final product (in other words, Kuznets

includes expenditures for activities such as education, recreation, and health, but not expenditures for services to business enterprises and for nondurable commodities and services related to national defense); (2) Kuznets excludes the imputed services of financial intermediaries except life insurance companies.

<sup>3</sup> The manufacturing output component shown in this group has not been revised to incorporate the definitional and statistical revisions introduced by OBE in 1965, and is shown in 1954 dollars.

creased skills of the female labor force. Kendrick, following the more conventional approach, did not make estimates of these quality effects, but allowed them to show up as productivity changes. The differences in the rates of increase in the capital measures come partly from the use of gross estimates by Denison and net estimates by Kendrick and partly from differences in their data sources. (See Denison's THE SOURCES OF ECONOMIC GROWTH IN THE UNITED STATES AND THE ALTERNATIVES BEFORE US and Kendrick's PRODUCTIVITY TRENDS IN THE UNITED STATES.) These series are not up to date, extending only to the late 1950's. However, Kendrick plans to update his estimates shortly.

The second group of input measures are the official Bureau of Labor Statistics (BLS) data measuring employment and man-hours in the total economy and in the nonagricultural and manufacturing sectors.

The third group of input series are various measures of the characteristics of the labor force and population. These series include the occupational distribution of the labor force; measures of the total and female labor force; the size of the total, the farm, and the nonfarm population; the distribution of total population by age groups; and the three components of population change (i.e., births, deaths, and immigration).

The fourth group of input series are measures

of capital stock. The primary capital measures shown here are the capital stock series, which extend back to 1900, derived by Raymond Goldsmith in his studies of national wealth. Two total national wealth series, gross and net, depict the estimated value of the stock of all tangible nonmilitary assets, plus net foreign balances. The gross stock series values assets at their original cost, while the net stock series values assets at their original cost less accumulated depreciation. Net business reproducible capital stock is also shown, both as a total and on a per employee basis. In addition to these major aggregates, various components including producer durables (i.e., machinery and equipment), nonresidential structures, inventories, residential structures, consumer durables, and land are shown.

Also shown, are estimates of the gross and net stock of business capital, based on two alternative service lives and two different assumed depreciation schedules, calculated by OBE for benchmark years since 1929. The two alternative service lives are the (1942) Internal Revenue Service Bulletin F, which approximates the method used by Goldsmith; and lives 20 percent shorter than Bulletin F. The two depreciation schedules are the straight-line and the double-declining balance formula. None of these capital series presented here nor Denison's or Kendrick's derived series presented at the beginning of the section are available up to date.

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**measures of productivity** Productivity series are designed to measure the growth of output over and above that accounted for by increases in inputs. The series presented here are ratios of output to total input, labor input, and capital input. The output and input measures used in calculating the ratios are those presented previously.

Denison's and Kendrick's productivity measures, however, have not been recomputed to reflect the 1958 benchmark revision in GNP made by OBE in 1965. The productivity measures based on the BLS data do reflect the GNP revision.<sup>1</sup>

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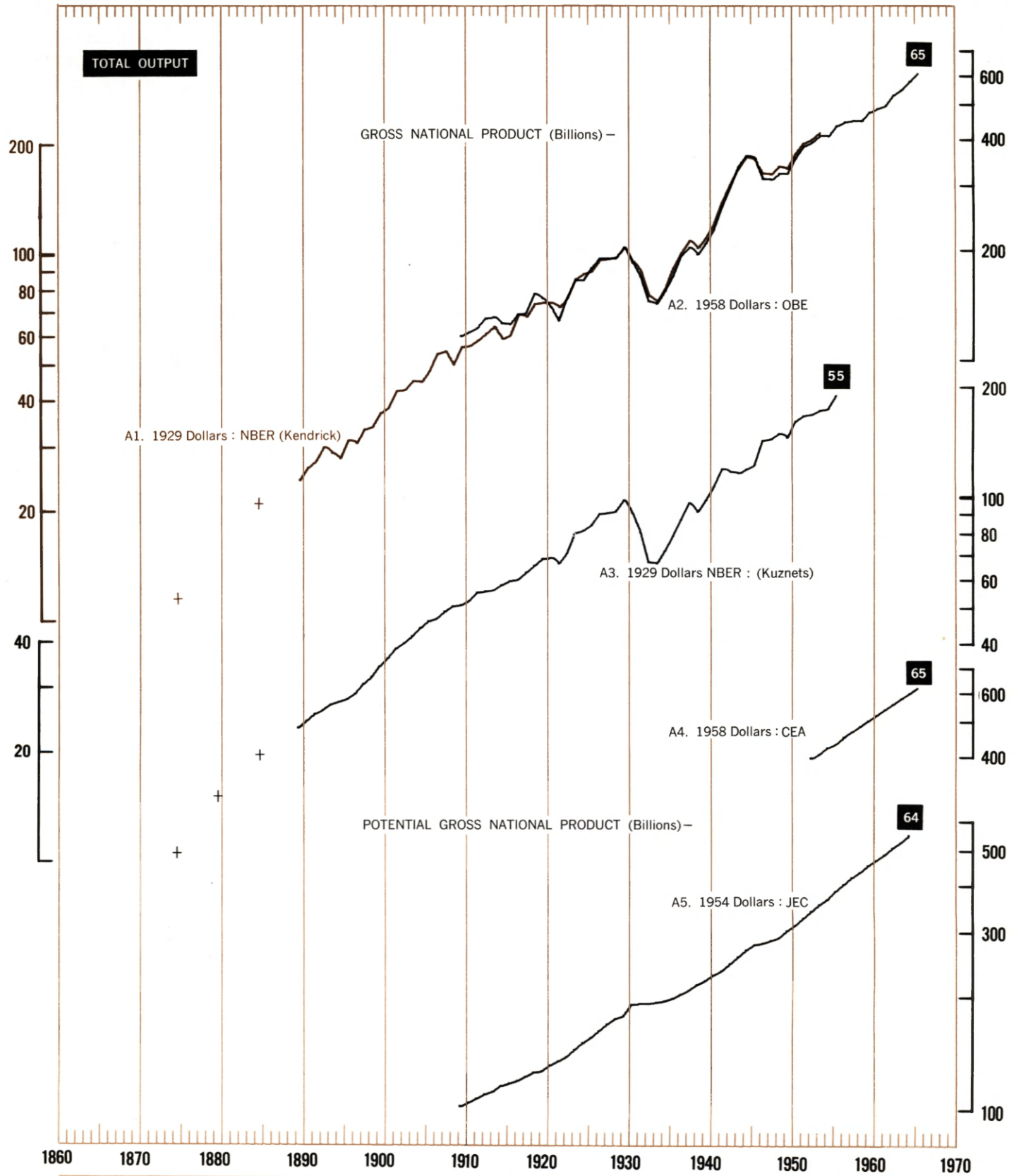
<sup>1</sup> Exceptions are manufacturing output per man-hour which is based on manufacturing output in 1954 dollars and the 1954 benchmark.

part I. AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

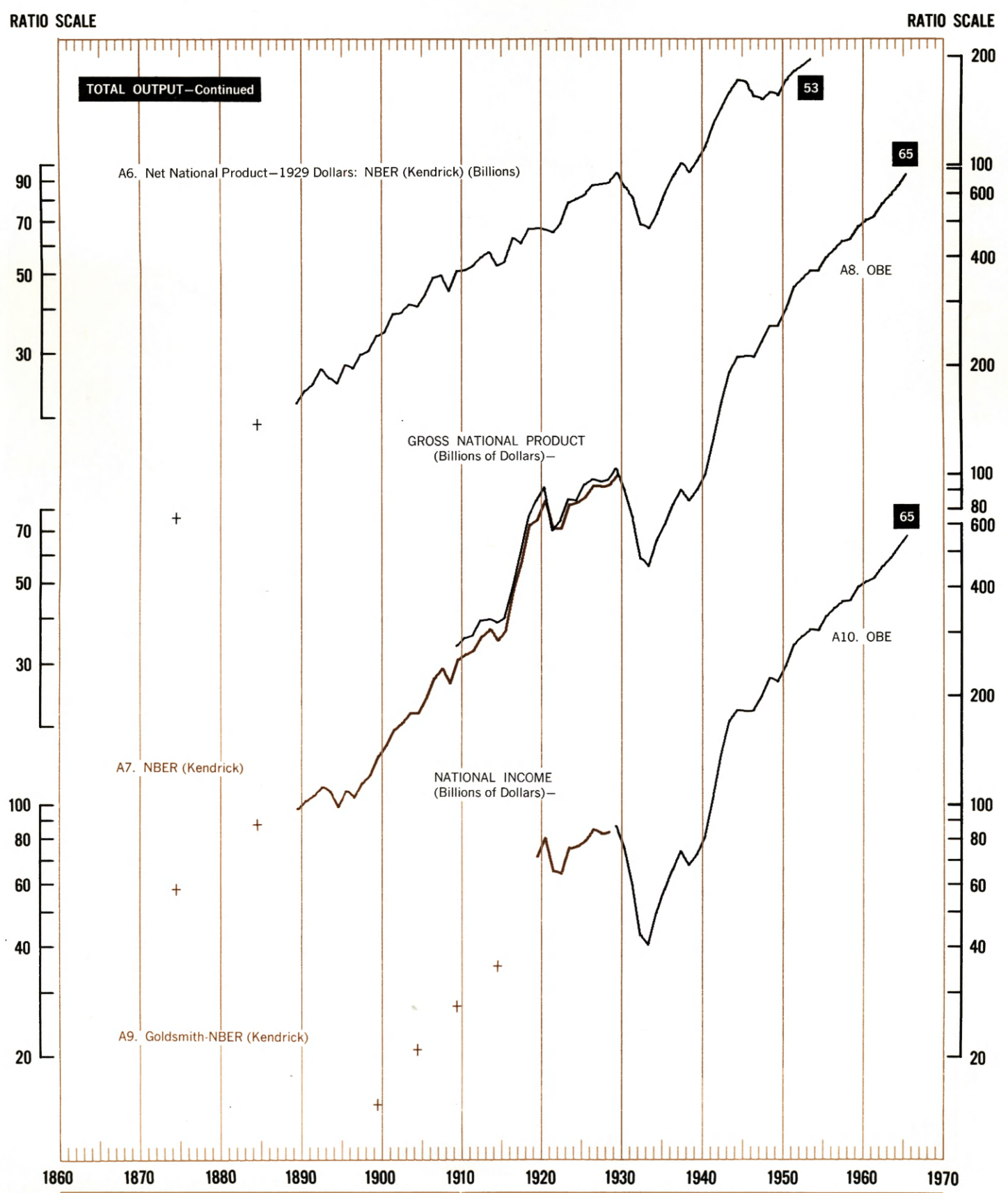
chart 1. Output

RATIO SCALE

RATIO SCALE

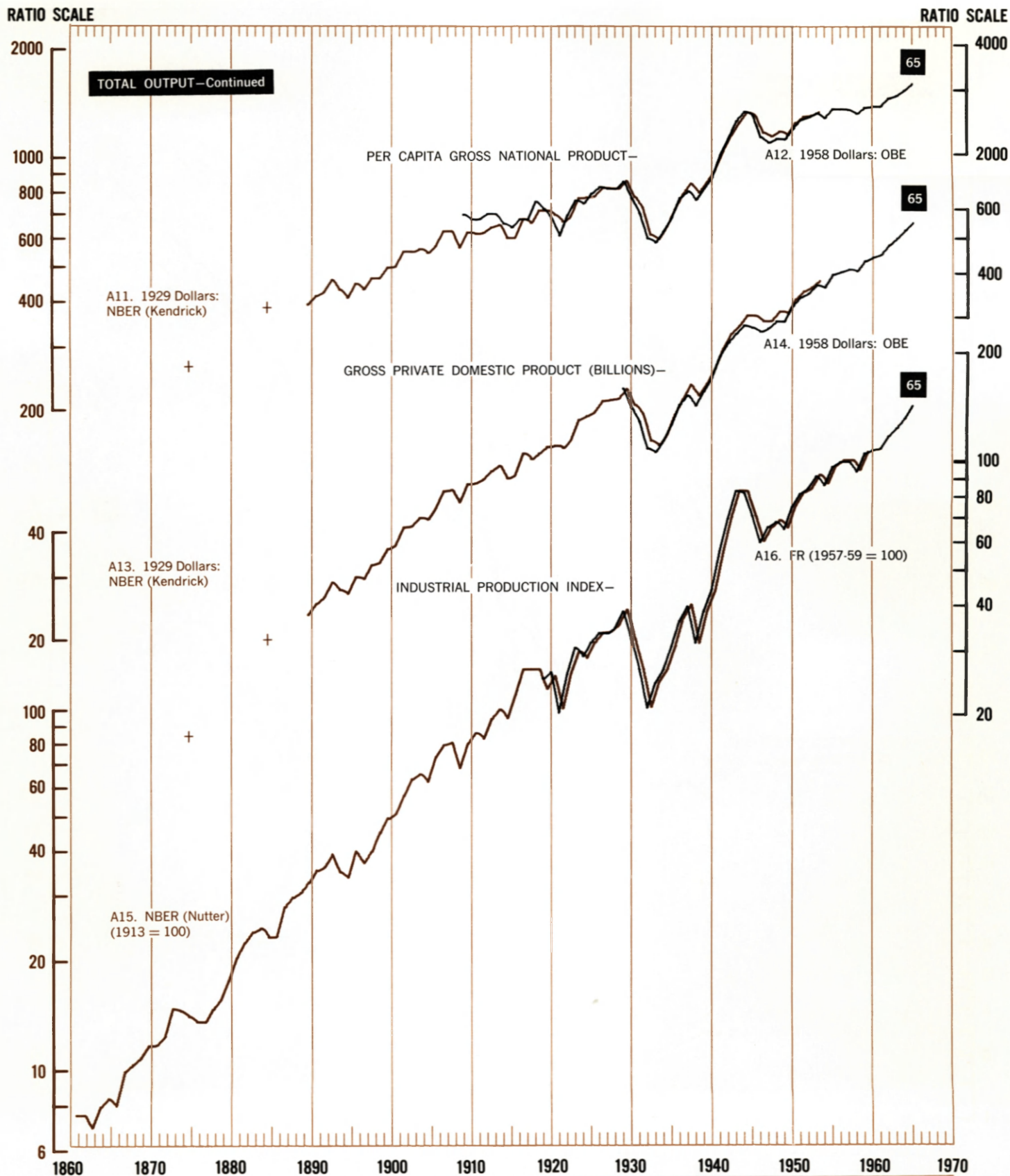


part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **I.** Output—continued



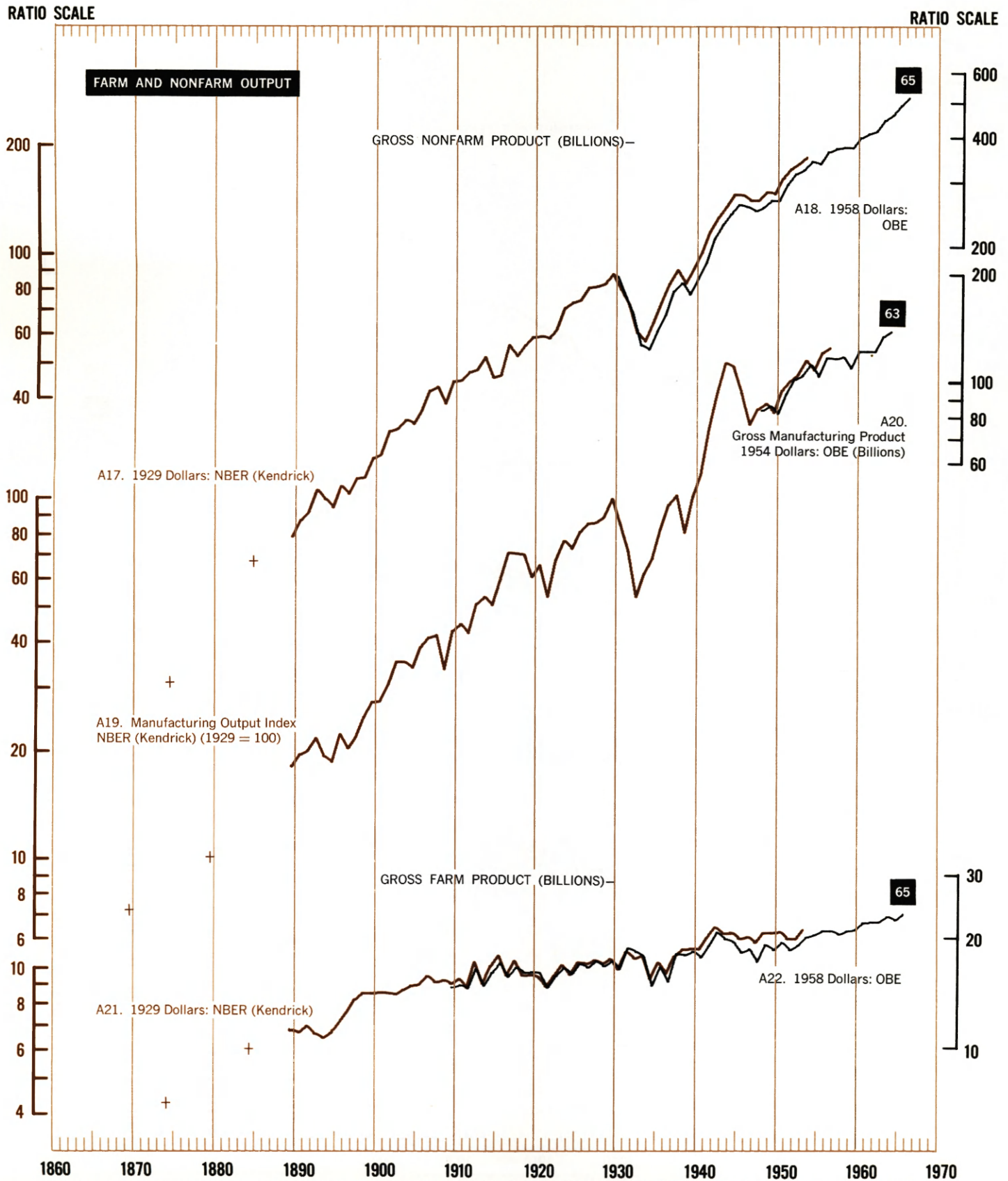


part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **I.** Output—continued

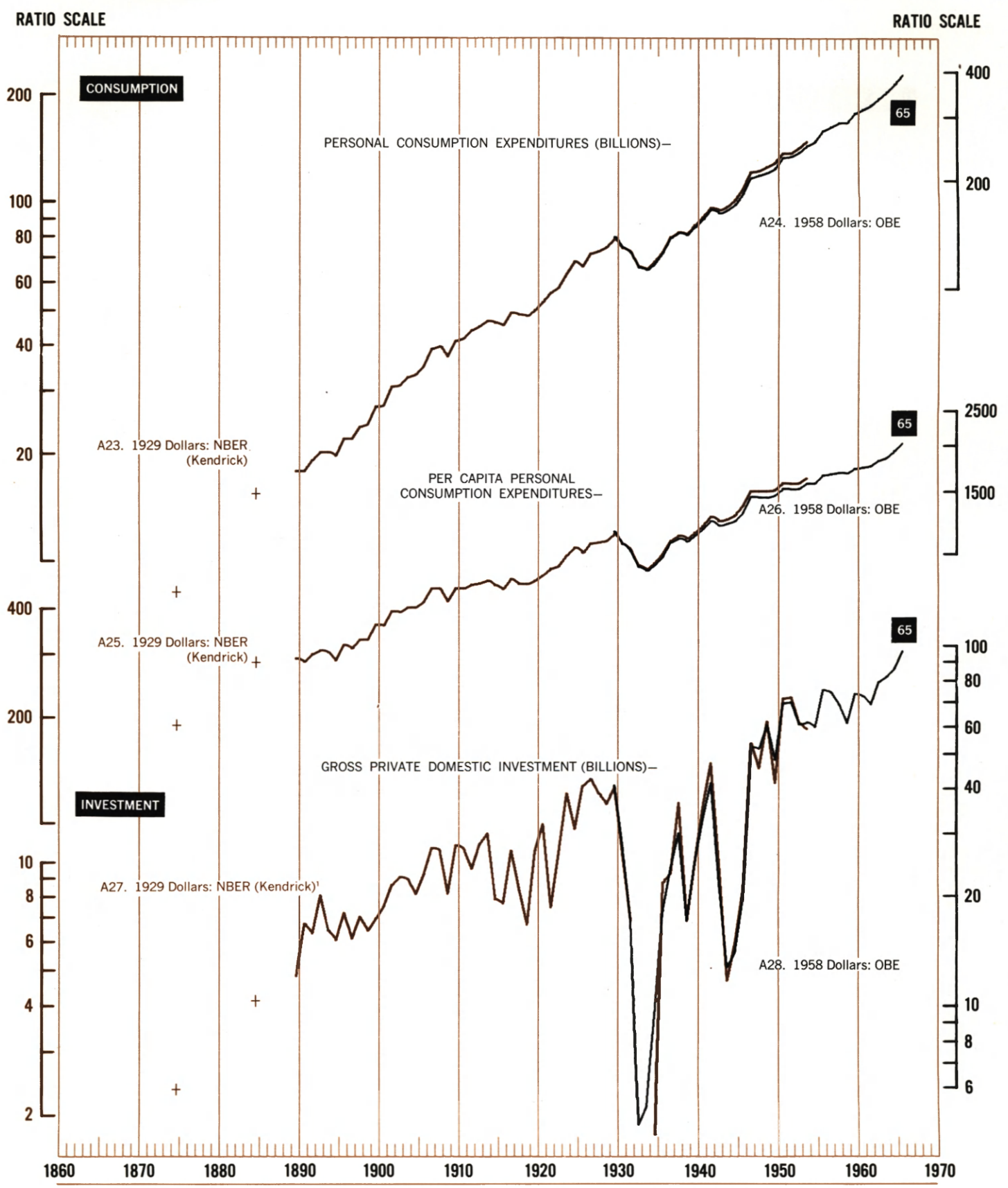




part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **1.** Output—continued

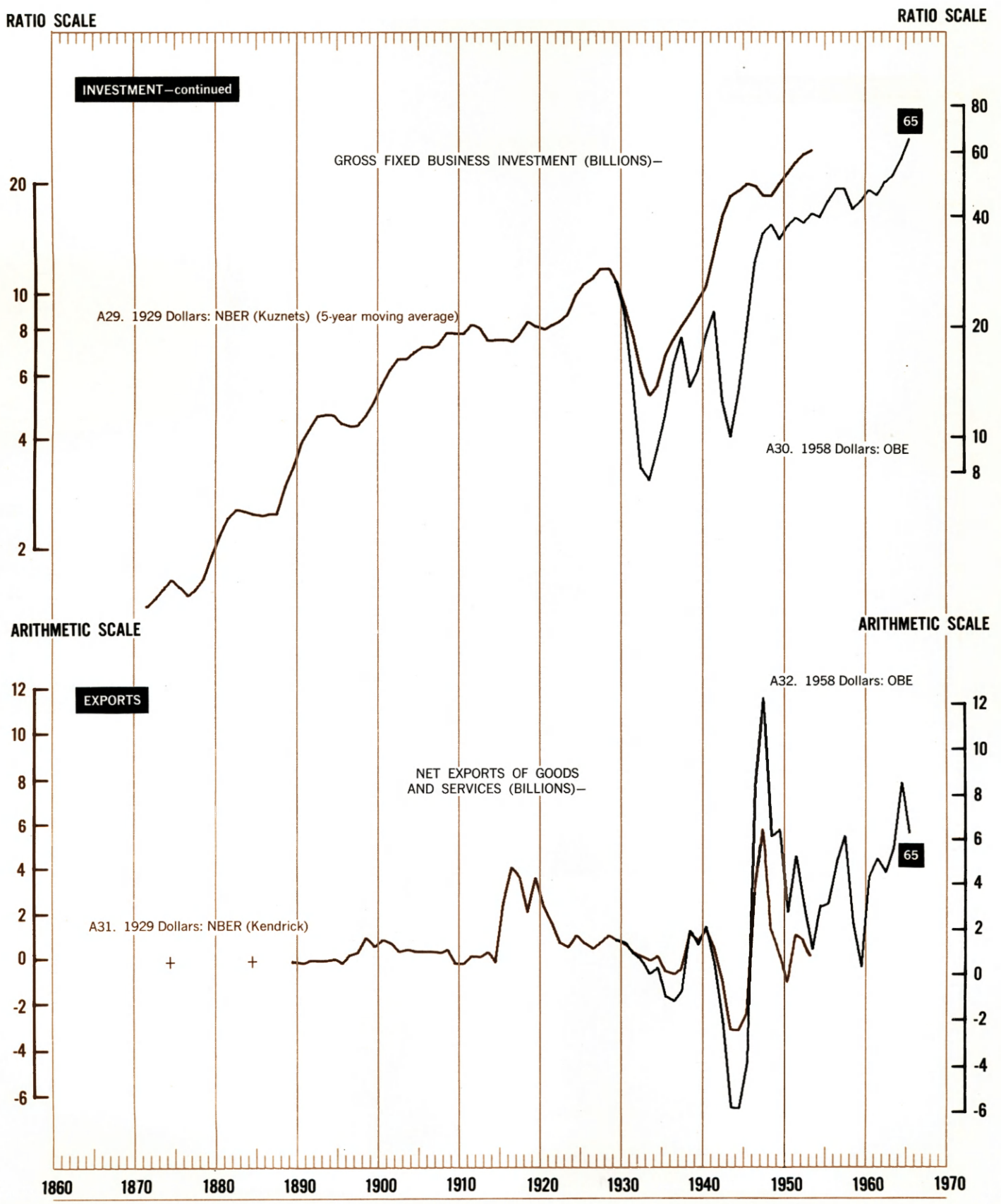


part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **1.** Output—continued



<sup>1</sup>NBER estimate for 1932 is \$840 million; for 1933, \$344 million. These years are not shown on chart.

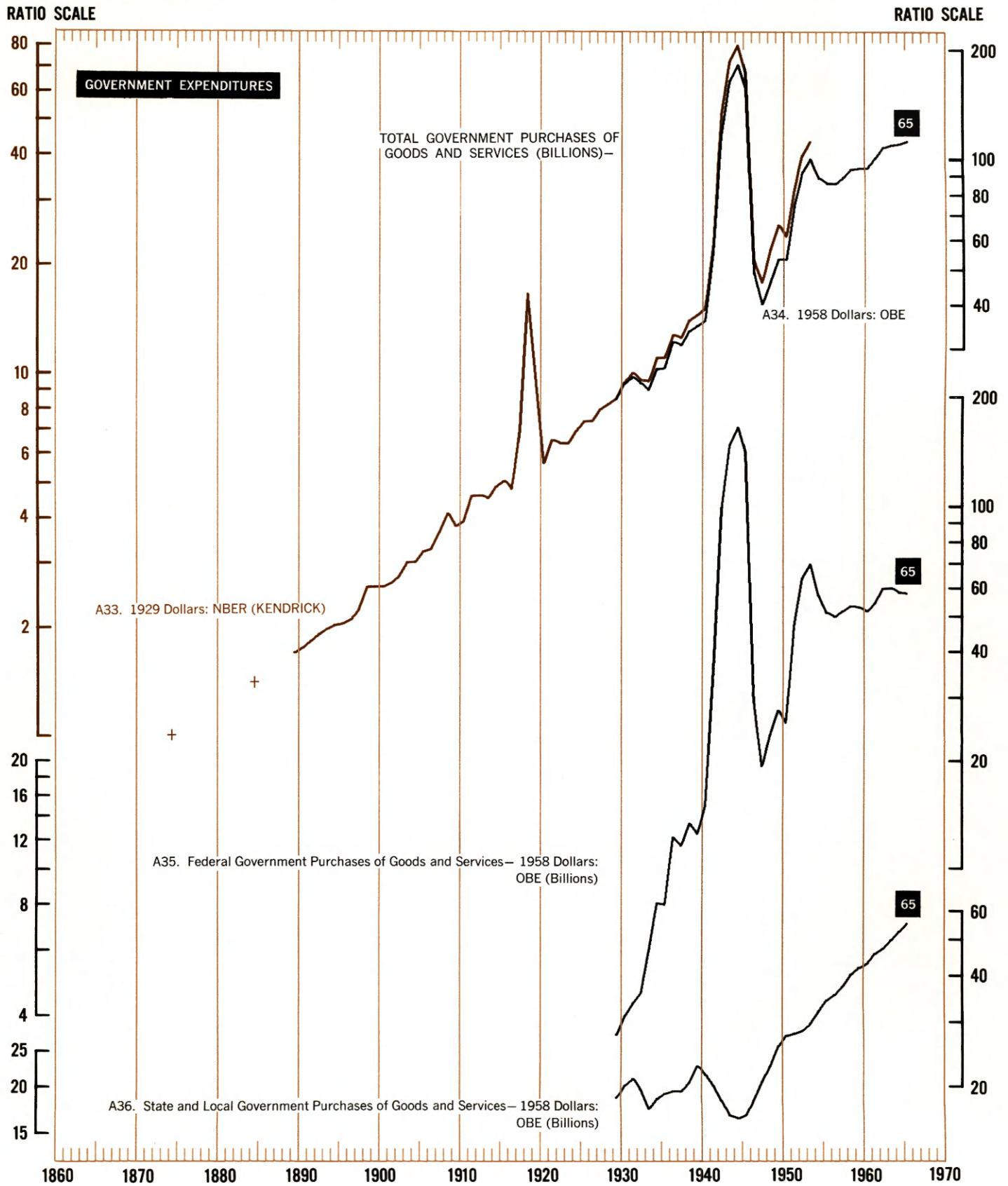
part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **1.** Output—continued





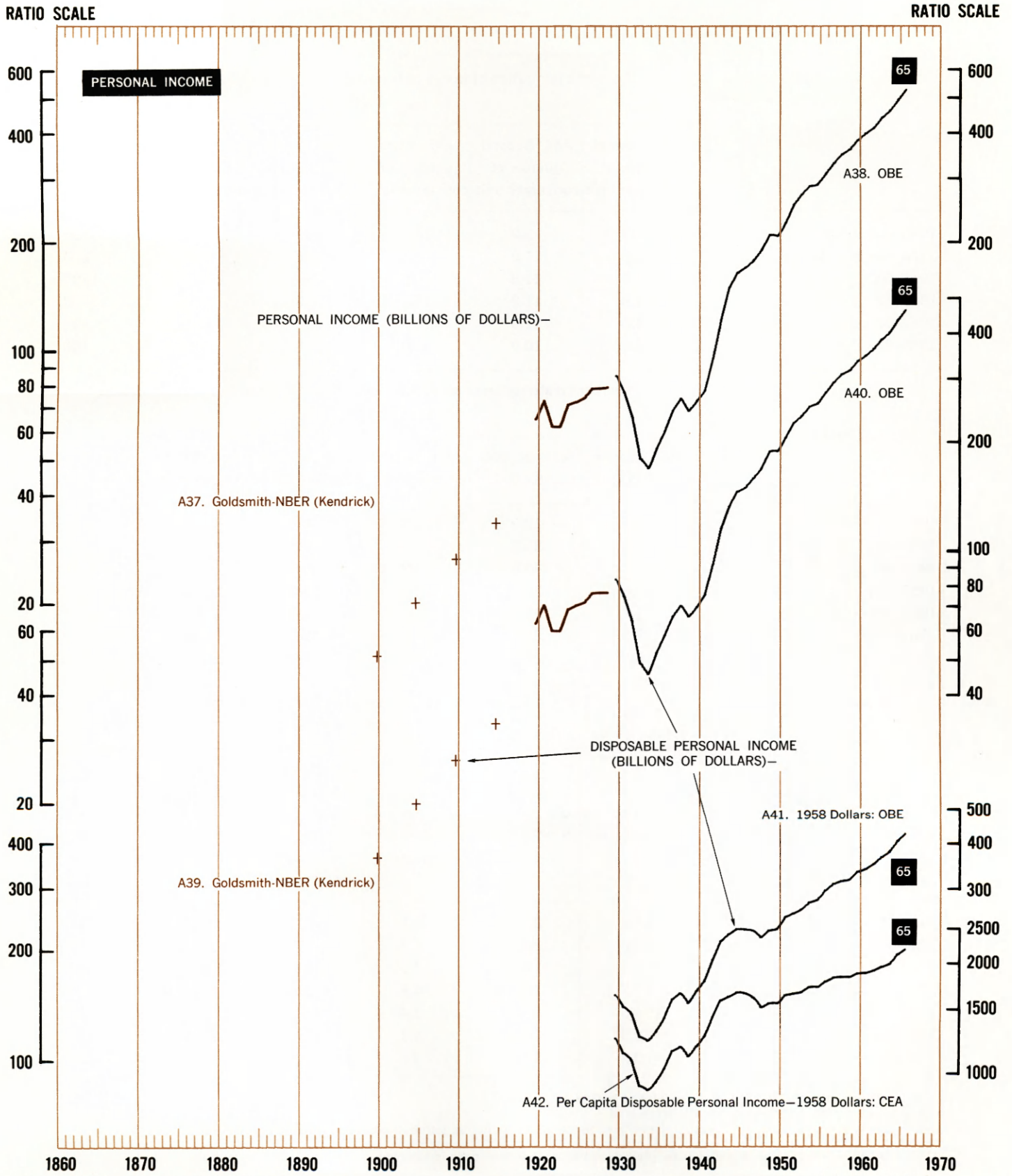
part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **1.** Output—continued



part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **1.** Output—continued



part **I.** **AGGREGATE OUTPUT, INPUT AND PRODUCTIVITY**  
table **1.** **Distribution of income**

| Period                         | Percent distribution of family personal income by quintile of consumer unit <sup>1</sup><br>(OBE)             |   |  |  |  |                                    |
|--------------------------------|---|---|--|--|--|------------------------------------|
|                                | A43. Lowest<br>quintile of<br>consumer unit   | A44. Second<br>quintile of<br>consumer unit | A45. Third<br>quintile of<br>consumer unit | A46. Fourth<br>quintile of<br>consumer unit  | A47. Highest<br>quintile of<br>consumer unit | Total family<br>personal<br>income |
| 1935 and 1936*.....            | 4.1   | 9.2   | 14.1                                       | 20.9   | 51.7   | 100                                |
| 1944, '46 and '47.....         | 5.0   | 11.0  | 16.1                                       | 22.0   | 46.0   | 100                                |
| 1950-53.....                   | 4.9   | 11.3  | 16.5                                       | 22.3   | 45.0   | 100                                |
| 1953-57.....                   | 4.8   | 11.2  | 16.4                                       | 22.4   | 45.2   | 100                                |
| 1957-60.....                   | 4.6   | 11.0  | 16.3                                       | 22.6   | 45.5   | 100                                |
| 1960-62.....                   | 4.6   | 10.9  | 16.3                                       | 22.7   | 45.5   | 100                                |
| Period                         | Percent distribution of consumer units <sup>1</sup> by level of family personal income<br>(1954 dollars: OBE) |   |  |  |  |                                    |
|                                | A48. Under<br>\$2,000   | A49. \$2,000<br>to \$3,999                  | A50. \$4,000<br>to \$5,999                 | A51. \$6,000<br>to \$7,499   | A52. \$7,500<br>to \$9,999                   | A53. \$10,000<br>and over          |
| 1929.....                      | 35.8  | 38.9  | 13.5                                       | 4.3  | 3.3  | 4.2                                |
| 1935 and 1936.....             | 42.2  | 33.8  | 14.2                                       | 4.0  | 2.6  | 3.2                                |
| 1944, '46 and '47.....         | 18.1  | 30.6  | 25.7                                       | 10.0   | 8.0  | 7.6                                |
| 1950-53.....                   | 17.8  | 28.4  | 26.8                                       | 11.5   | 8.6  | 7.1                                |
| 1953-57.....                   | 16.1  | 25.3  | 26.1                                       | 13.0   | 10.1   | 9.6                                |
| 1957-60.....                   | 15.2  | 23.6  | 24.3                                       | 13.2   | 11.5   | 12.2                               |
| 1960-63.....                   | 14.3  | 21.7  | 22.8                                       | 13.9   | 12.7   | 14.6                               |
| Decade<br>or 5-year<br>average | Percent distribution of national income, by type<br>(Johnston-OBE)  |   |  |  |  |                                    |
|                                | A54. Employee<br>compensation   | A55. Proprie-<br>tors' income               | A56. Rental<br>income of<br>persons        | A57. Corporate<br>profits before<br>taxes and<br>inventory<br>valuation<br>adjustment <sup>2</sup> | A58. Net<br>interest                         | Total national<br>income           |
| 1900-09*.....                  | 55.0  | 23.6  | 9.1  | 6.8  | 5.5  | 100                                |
| 1910-19*.....                  | 53.2  | 24.2  | 7.7  | 9.7  | 5.2  | 100                                |
| 1920-29*.....                  | 60.5  | 17.6  | 7.6  | 8.2  | 6.2  | 100                                |
| 1930-39.....                   | 66.7  | 16.3  | 4.3  | 5.8  | 6.8  | 100                                |
| 1940-49.....                   | 64.6  | 17.4  | 3.4  | 13.2   | 1.4  | 100                                |
| 1950-59.....                   | 68.3  | 13.1  | 4.1  | 13.3   | 1.3  | 100                                |
| 1960-65.....                   | 70.7  | 10.6  | 3.6  | 12.4   | 2.7  | 100                                |

<sup>1</sup> Consumer units refer to families and unattached individuals.

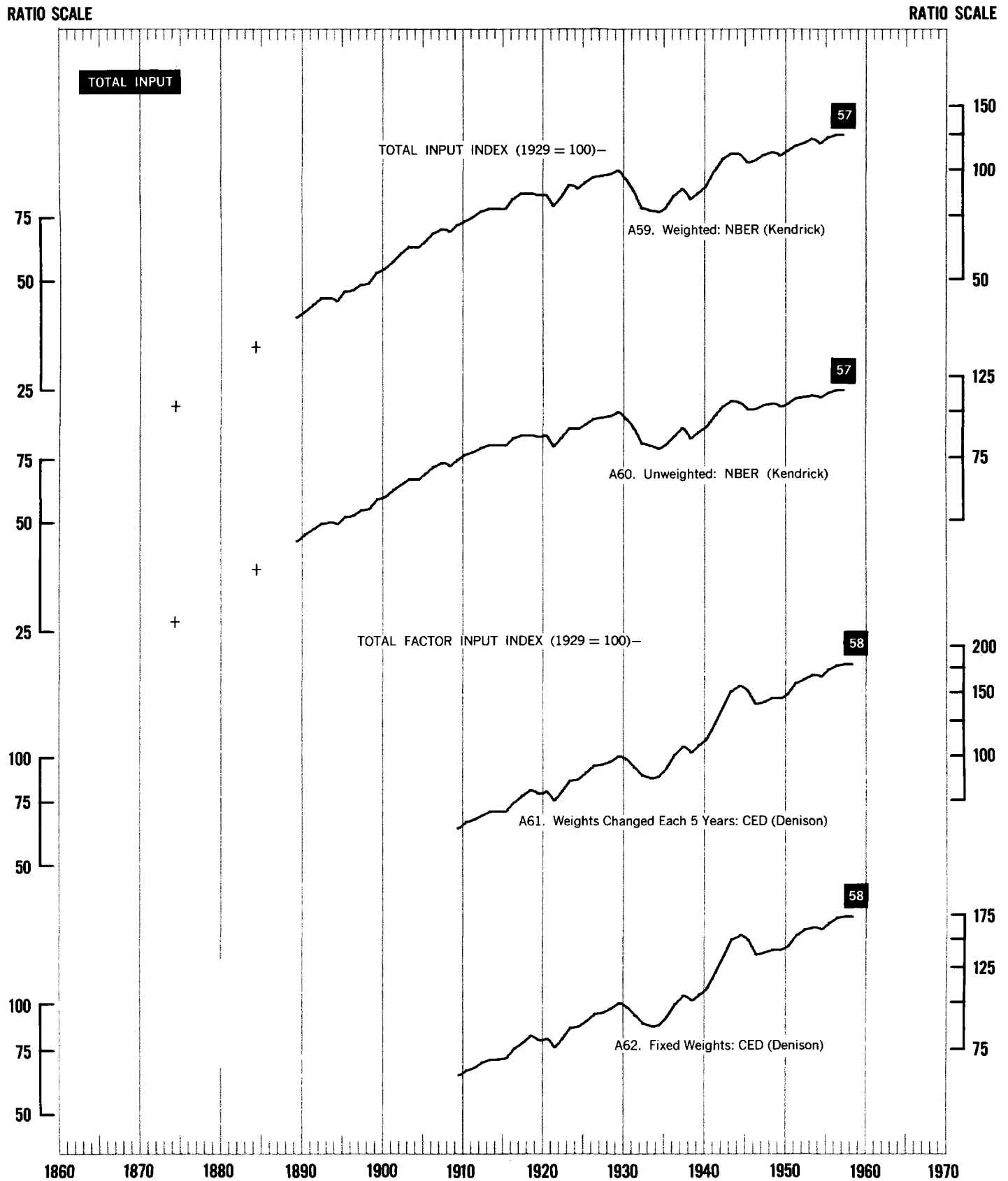
<sup>2</sup> Includes an inventory adjustment since 1929 only.

See appendix 2 for series descriptions and sources. Because of rounding, percentages may not add to 100.

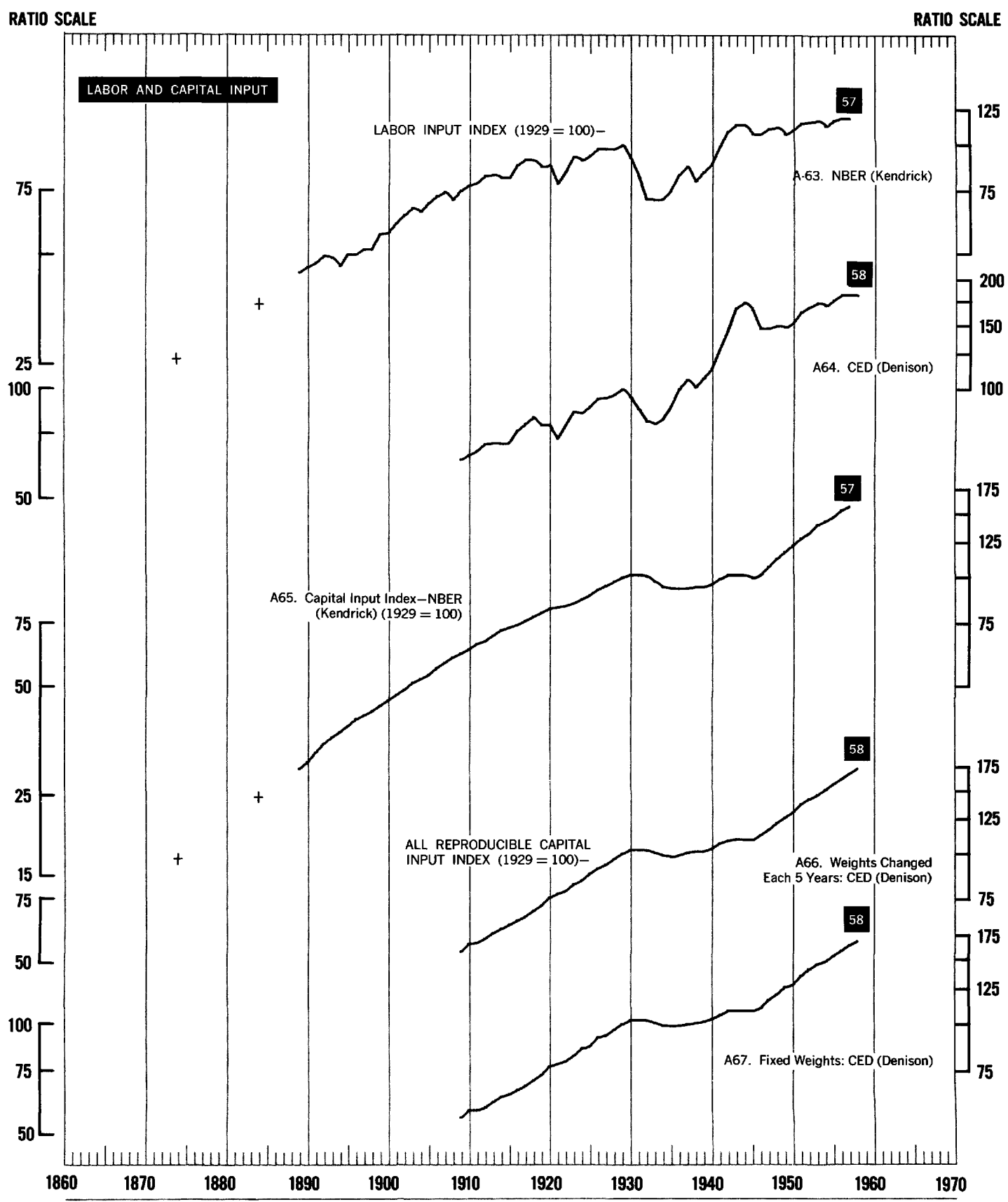
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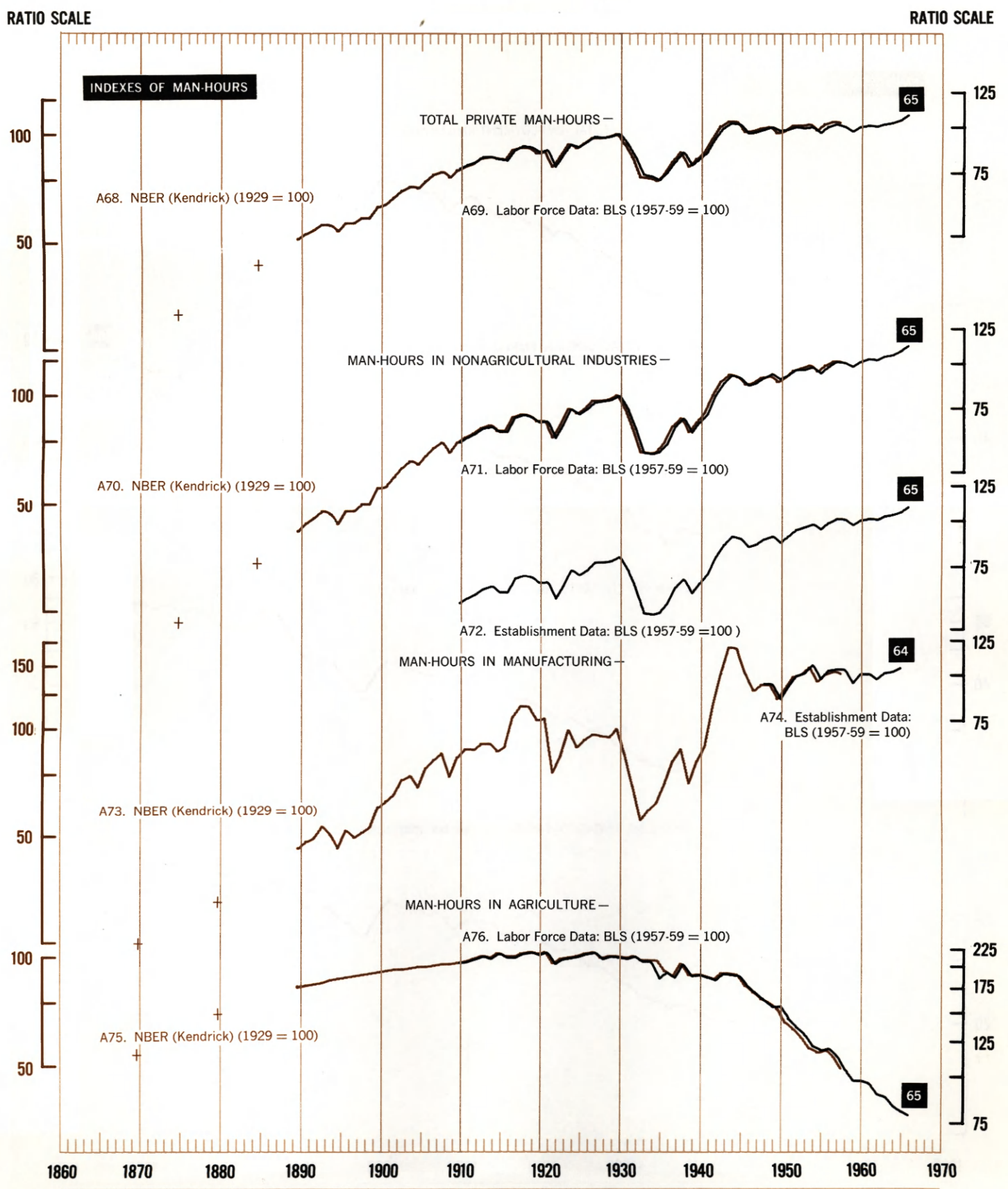
part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **2.** Input



part I. AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart .. Input—continued



part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **2.** Input

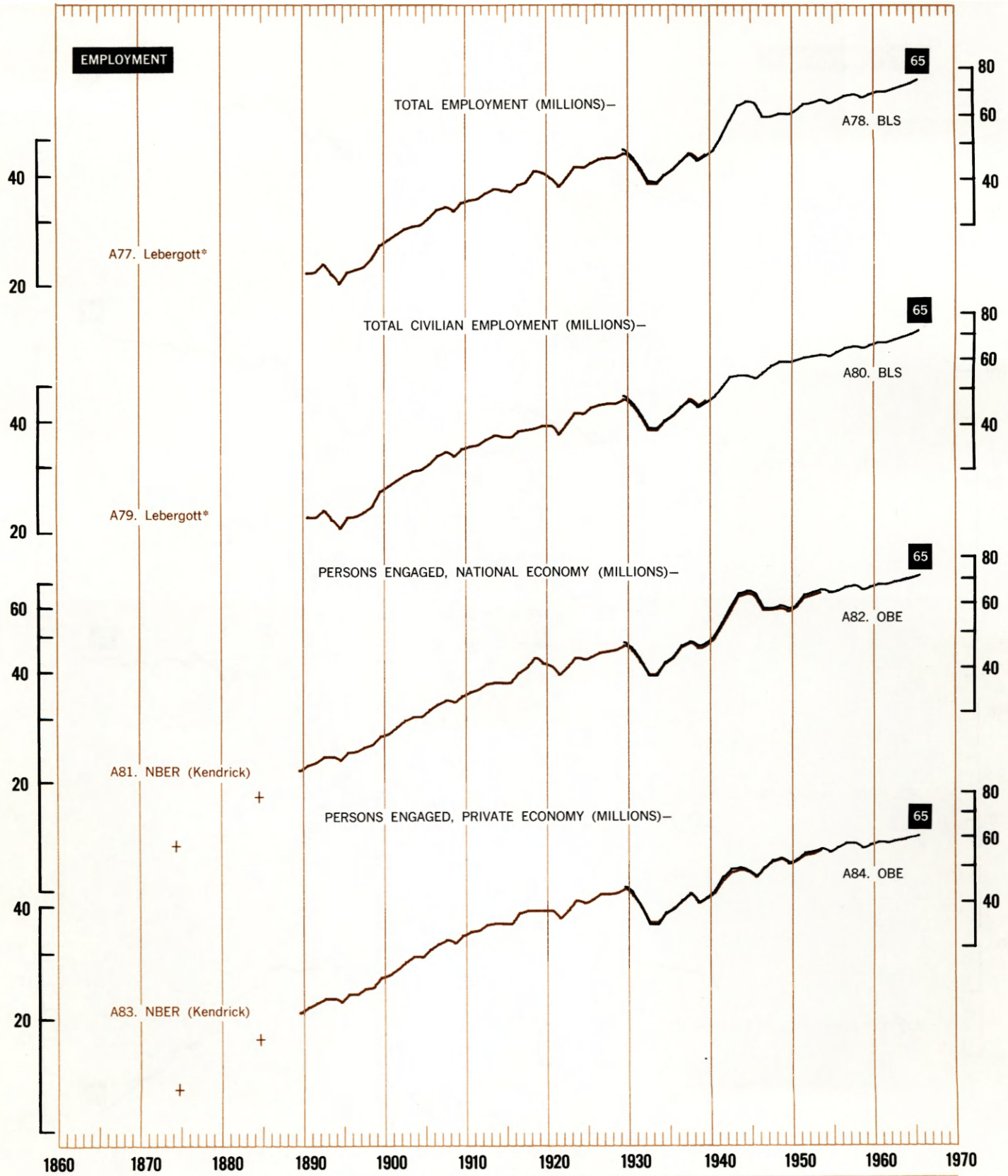


part **1.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **2.** Input—continued

RATIO SCALE

RATIO SCALE

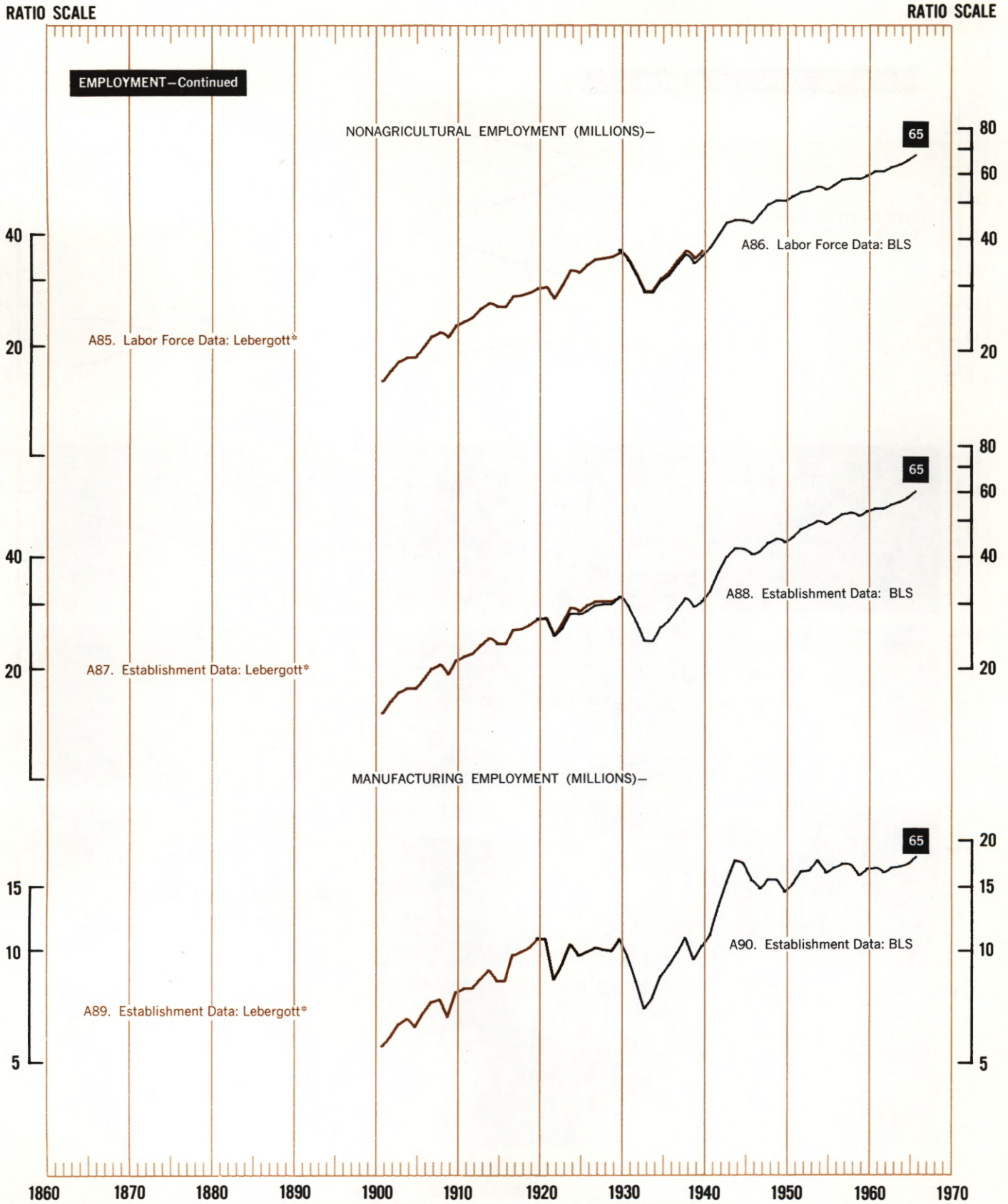


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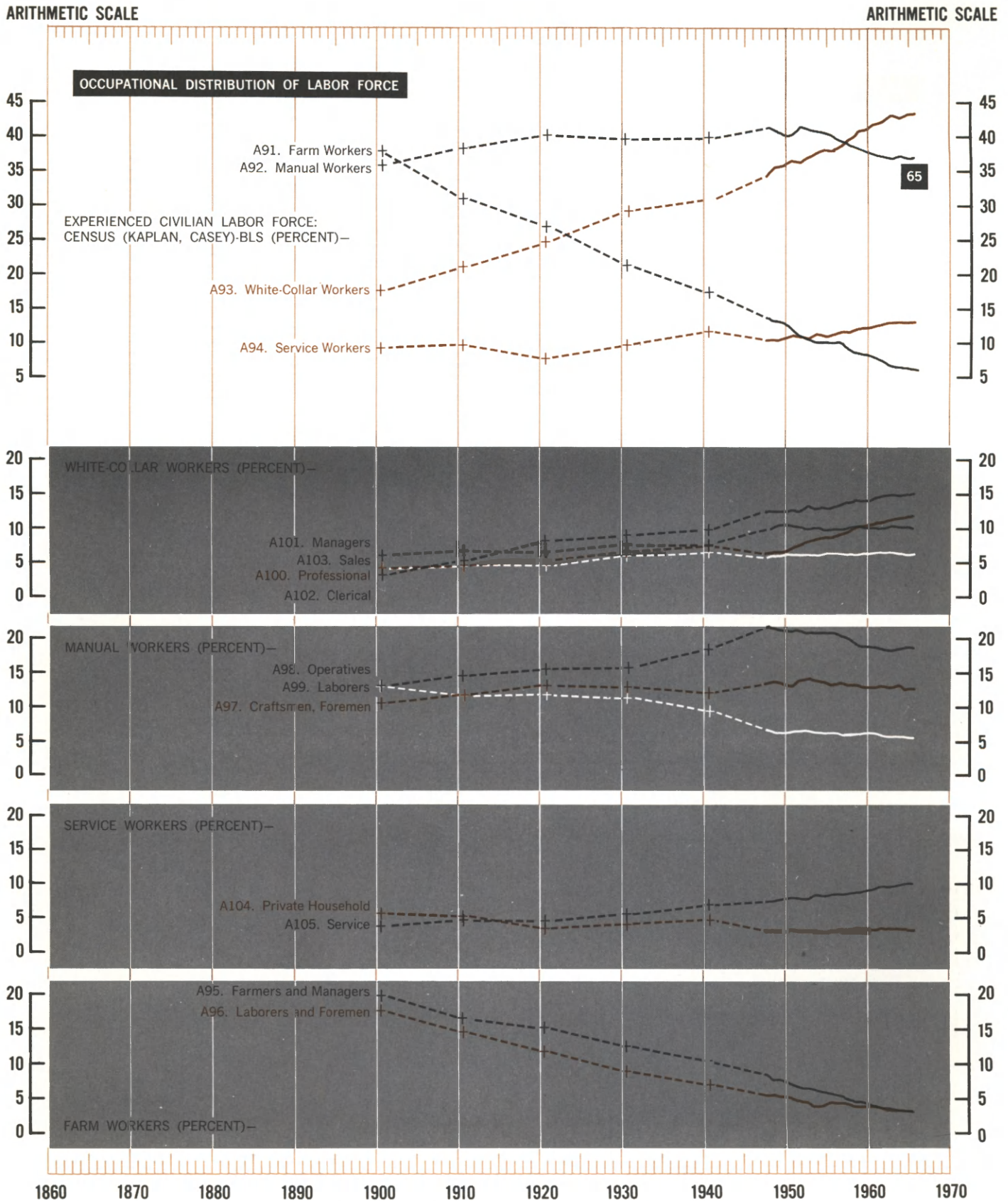
part **1.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **2.** Input—continued



part I. AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

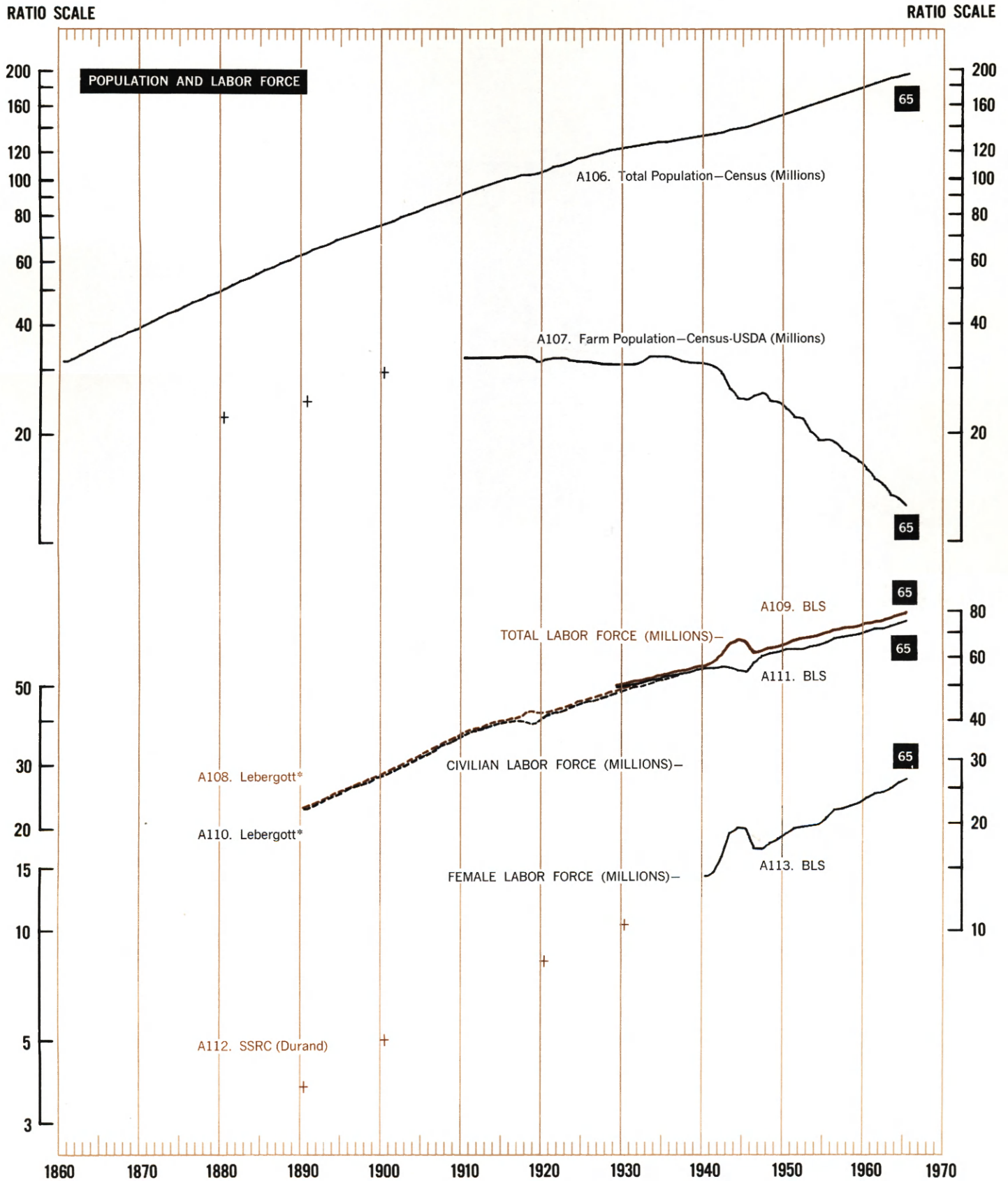
chart Input—continued





part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

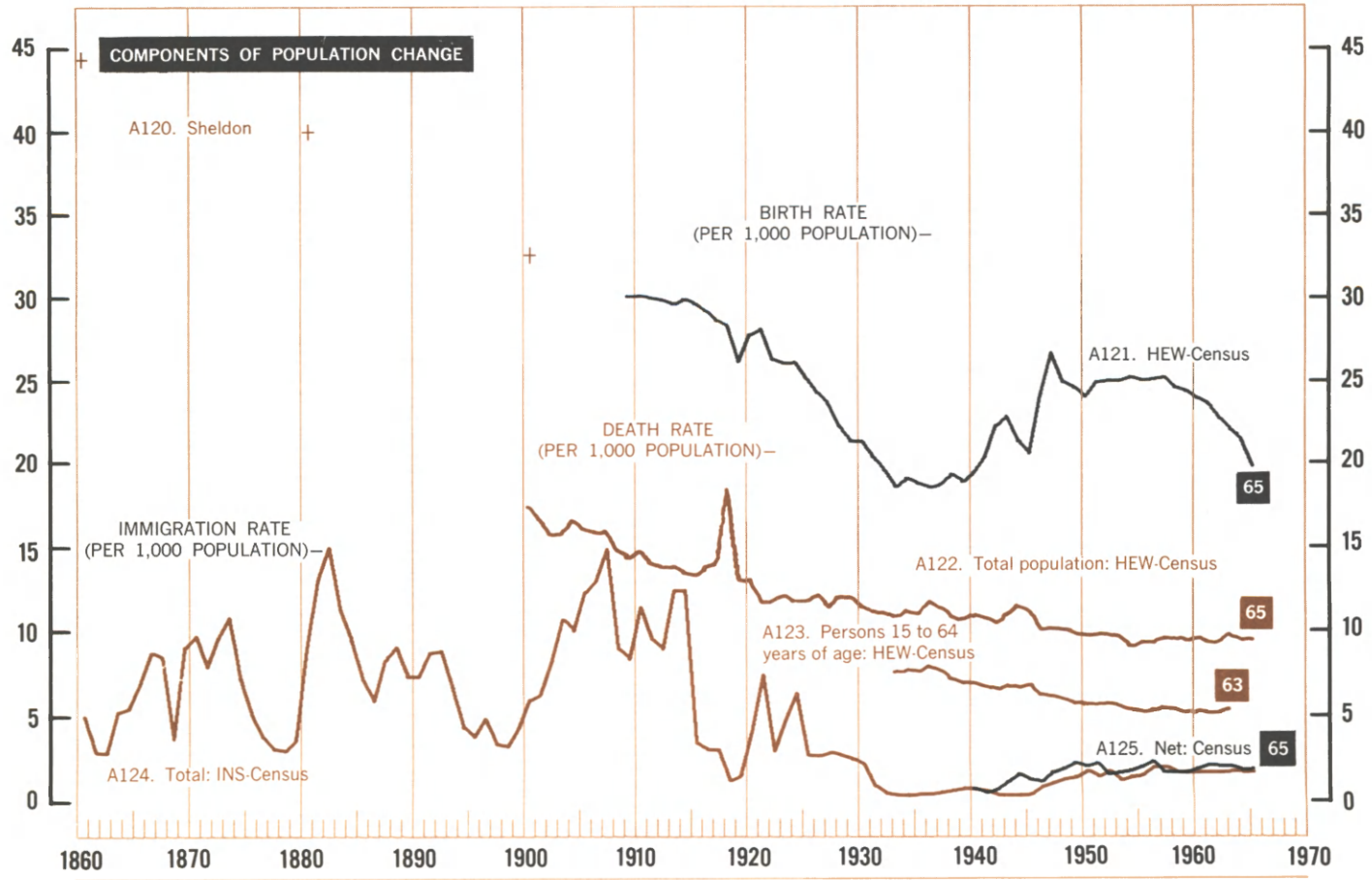
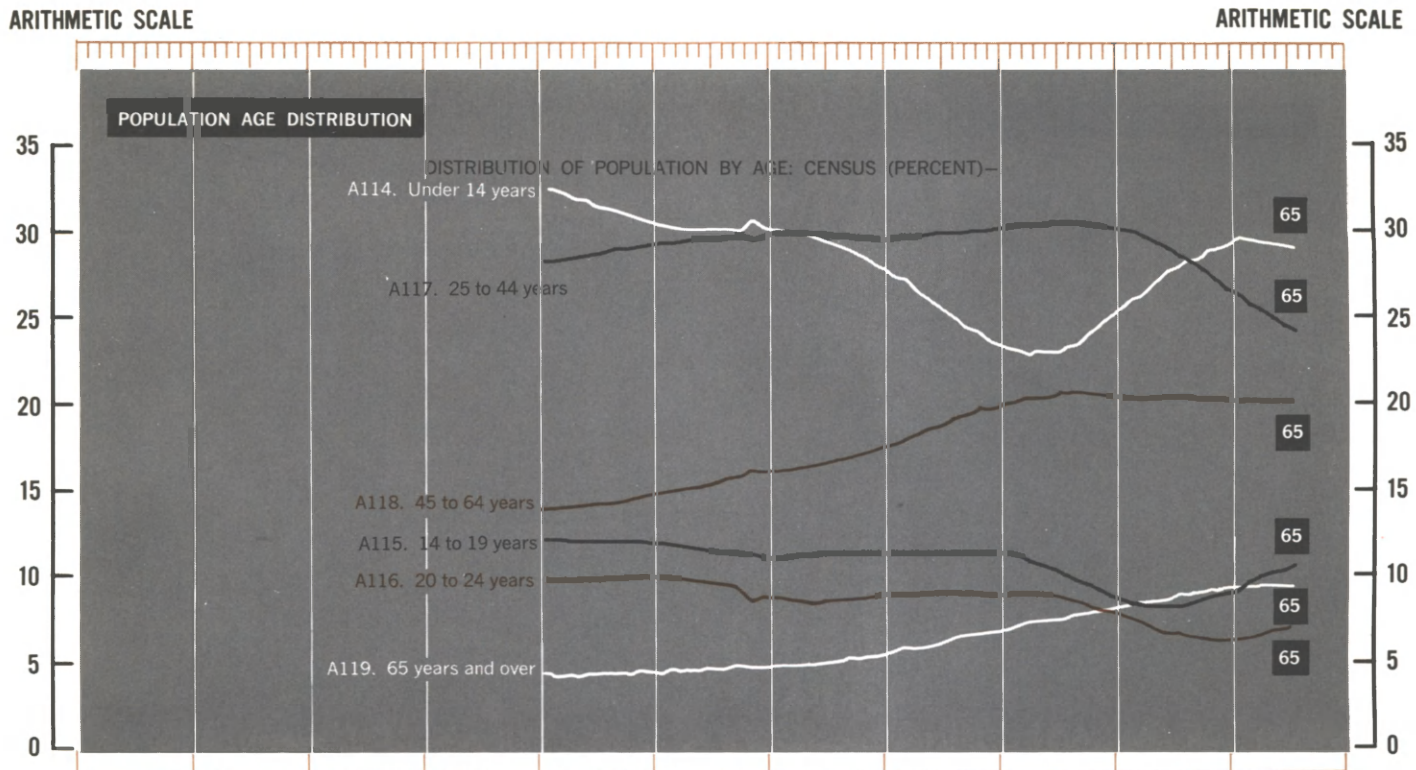
chart **2.** Input—continued



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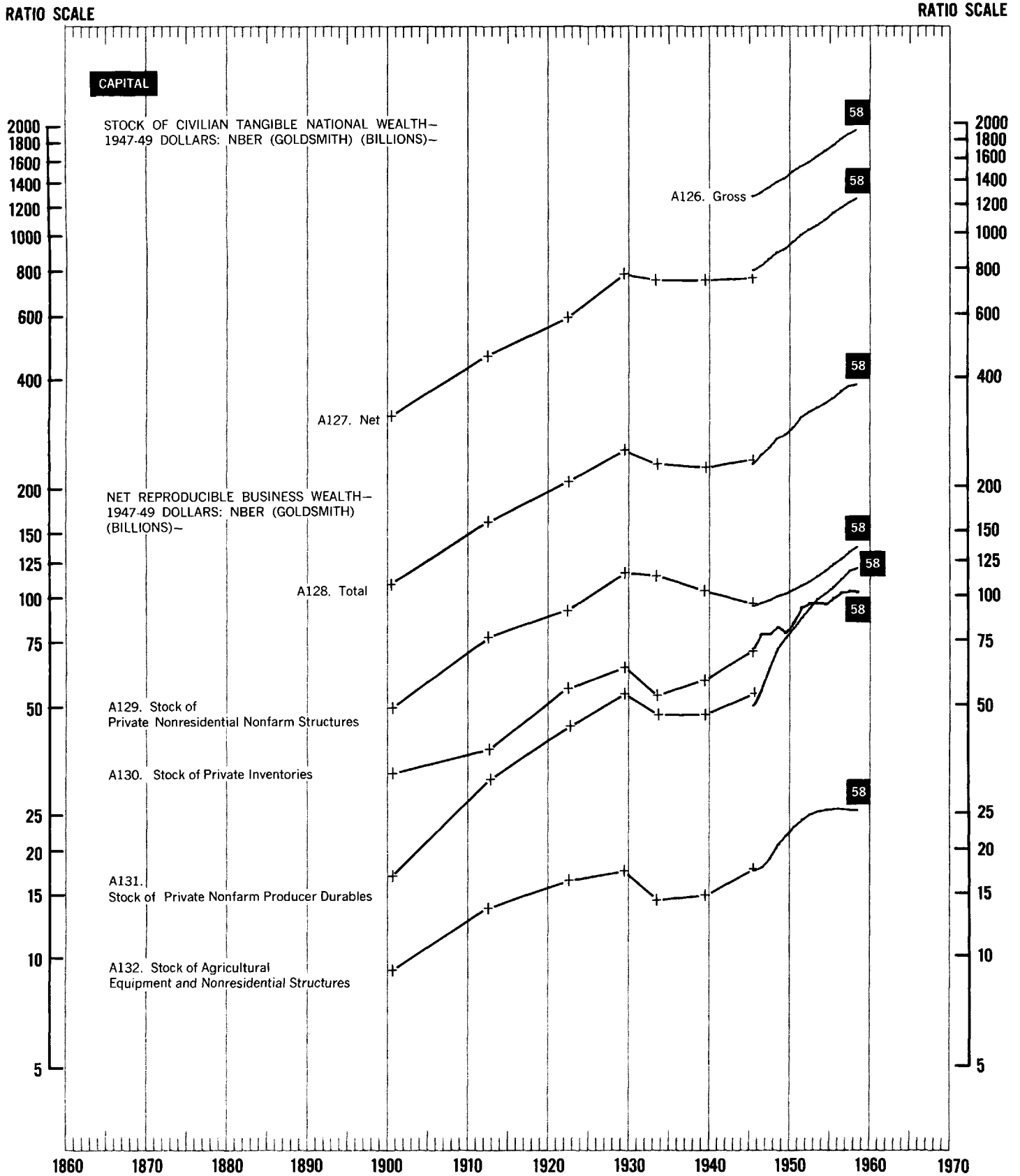
part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **2.** Input—continued





part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **2.** Input—continued

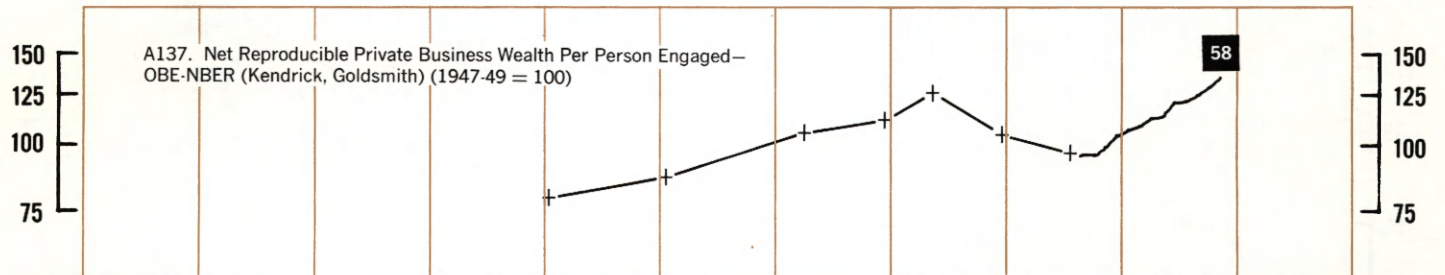
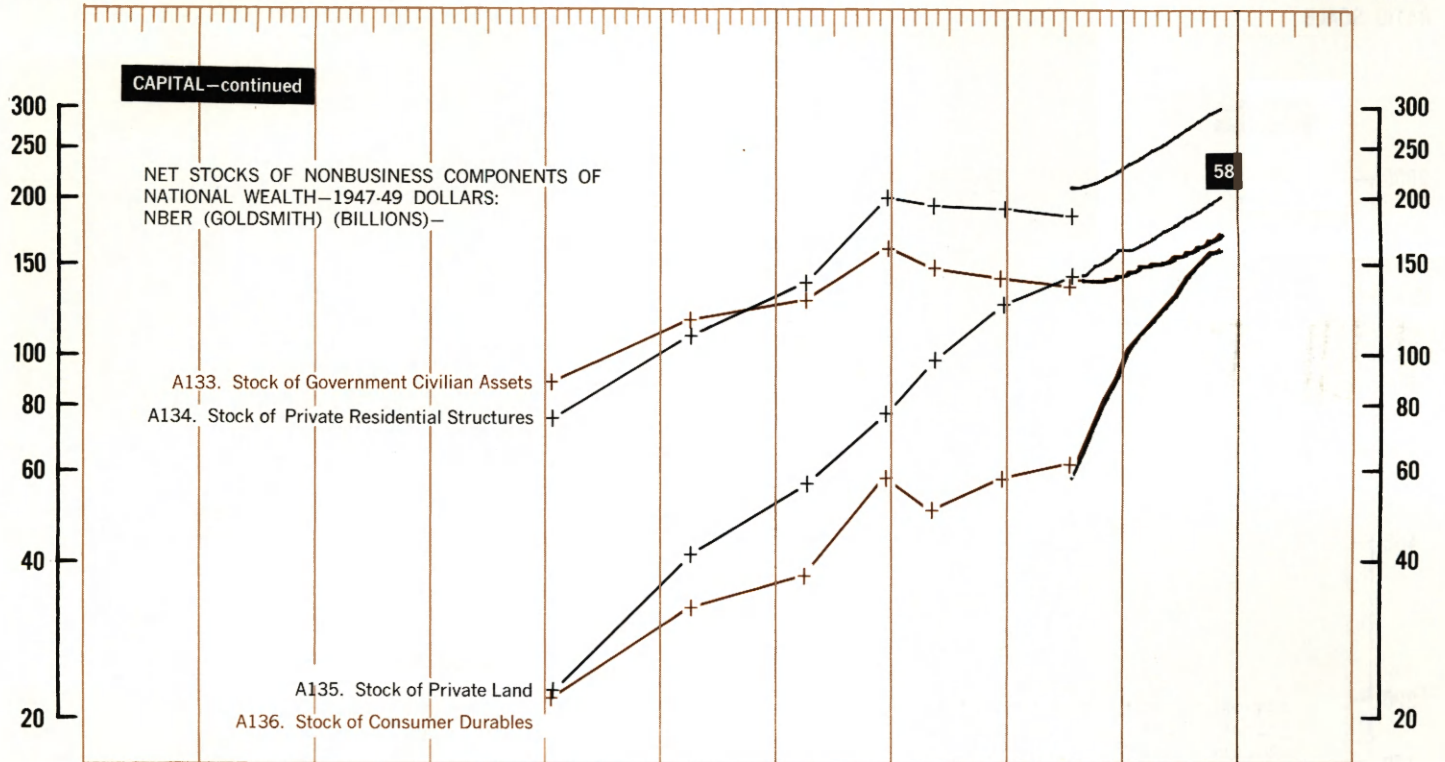


part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY

chart **2.** Input—continued

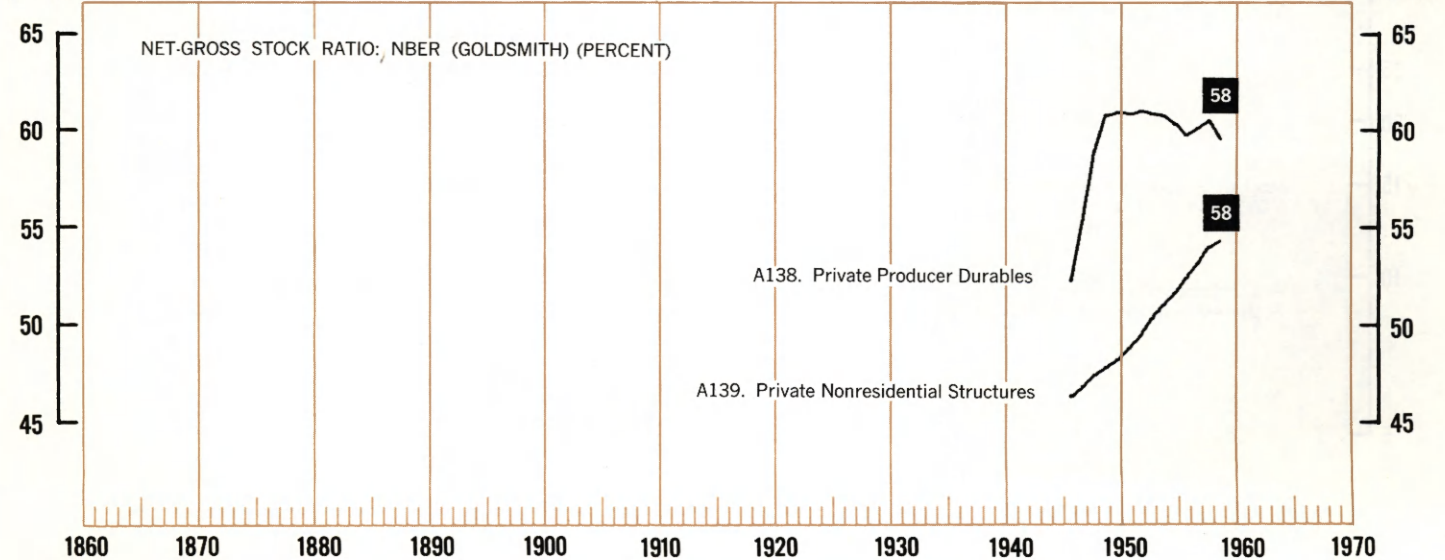
RATIO SCALE

RATIO SCALE

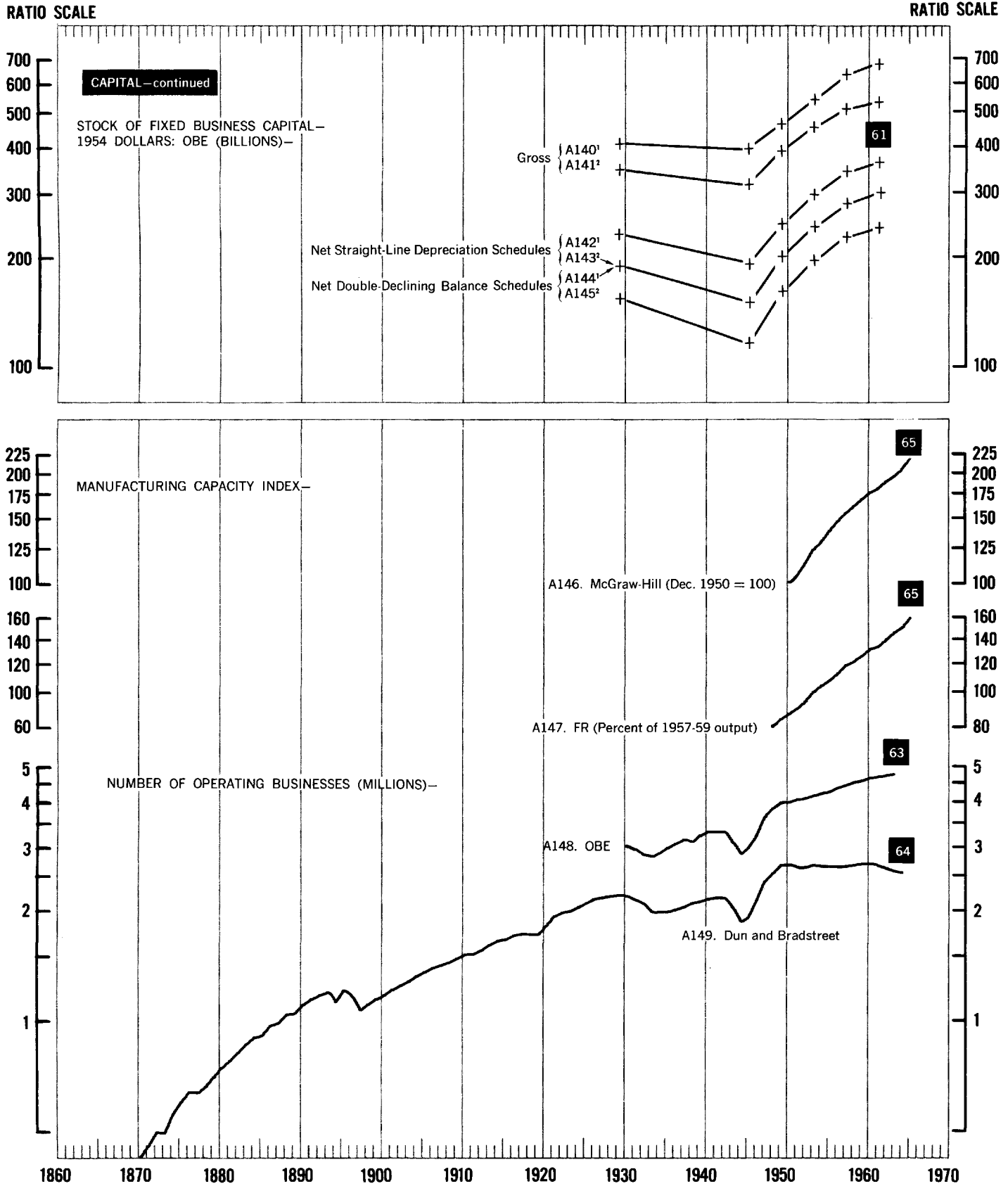


ARITHMETIC SCALE

ARITHMETIC SCALE



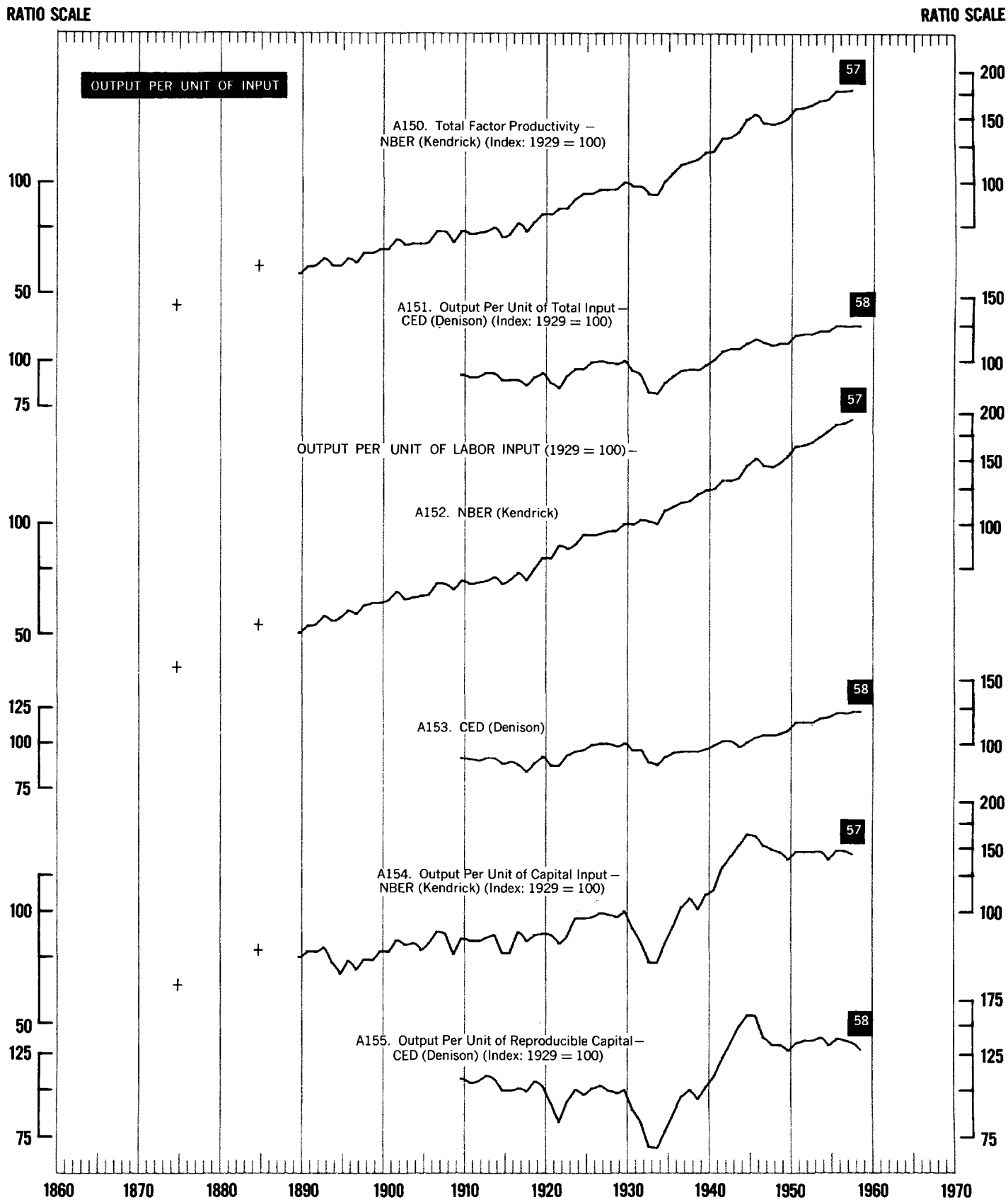
part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **2.** Input—continued



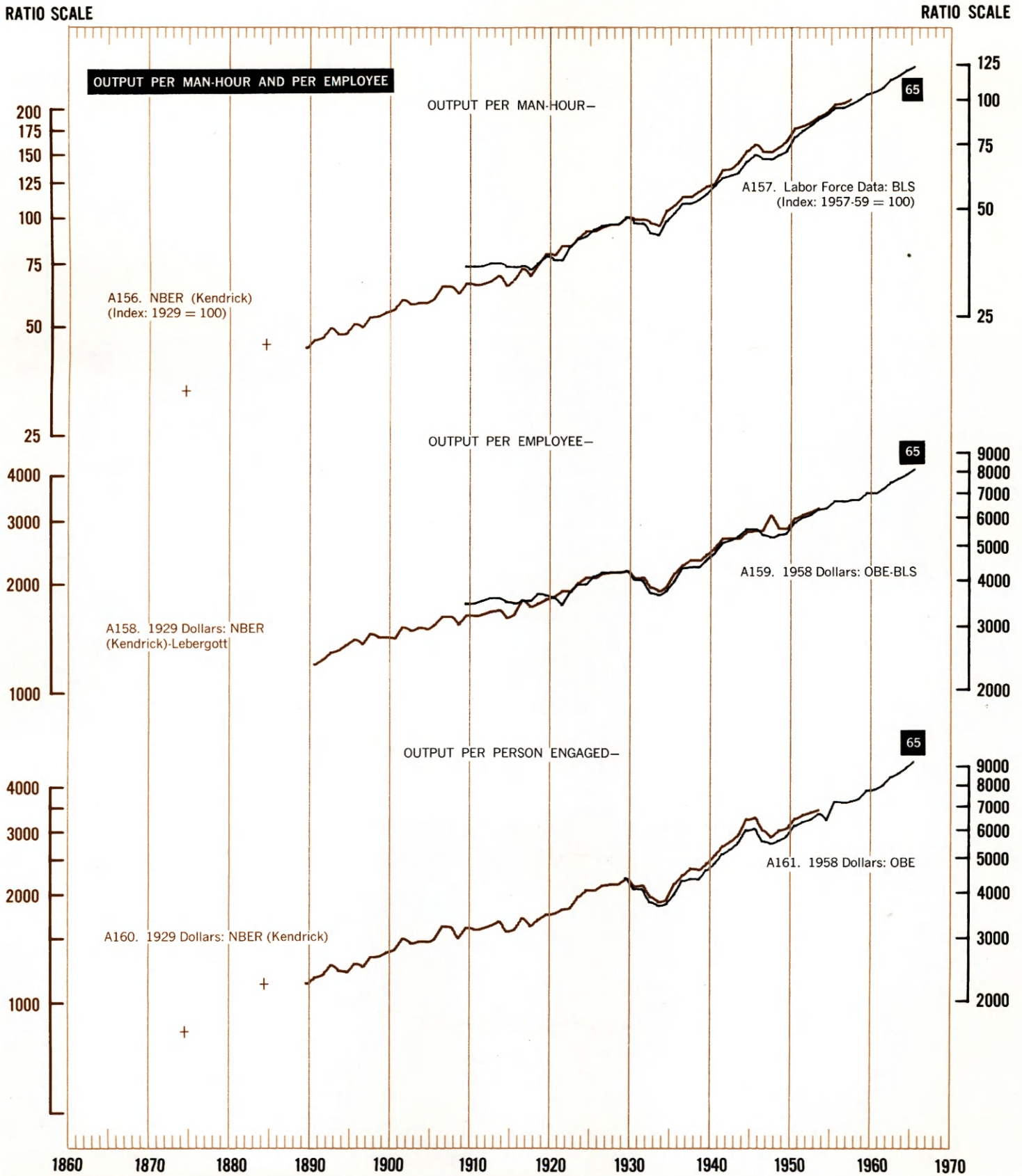
<sup>1</sup>Stocks based on Bulletin F lives.

<sup>2</sup>Stocks based on lives 20 percent shorter than Bulletin F.

part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **3.** Productivity

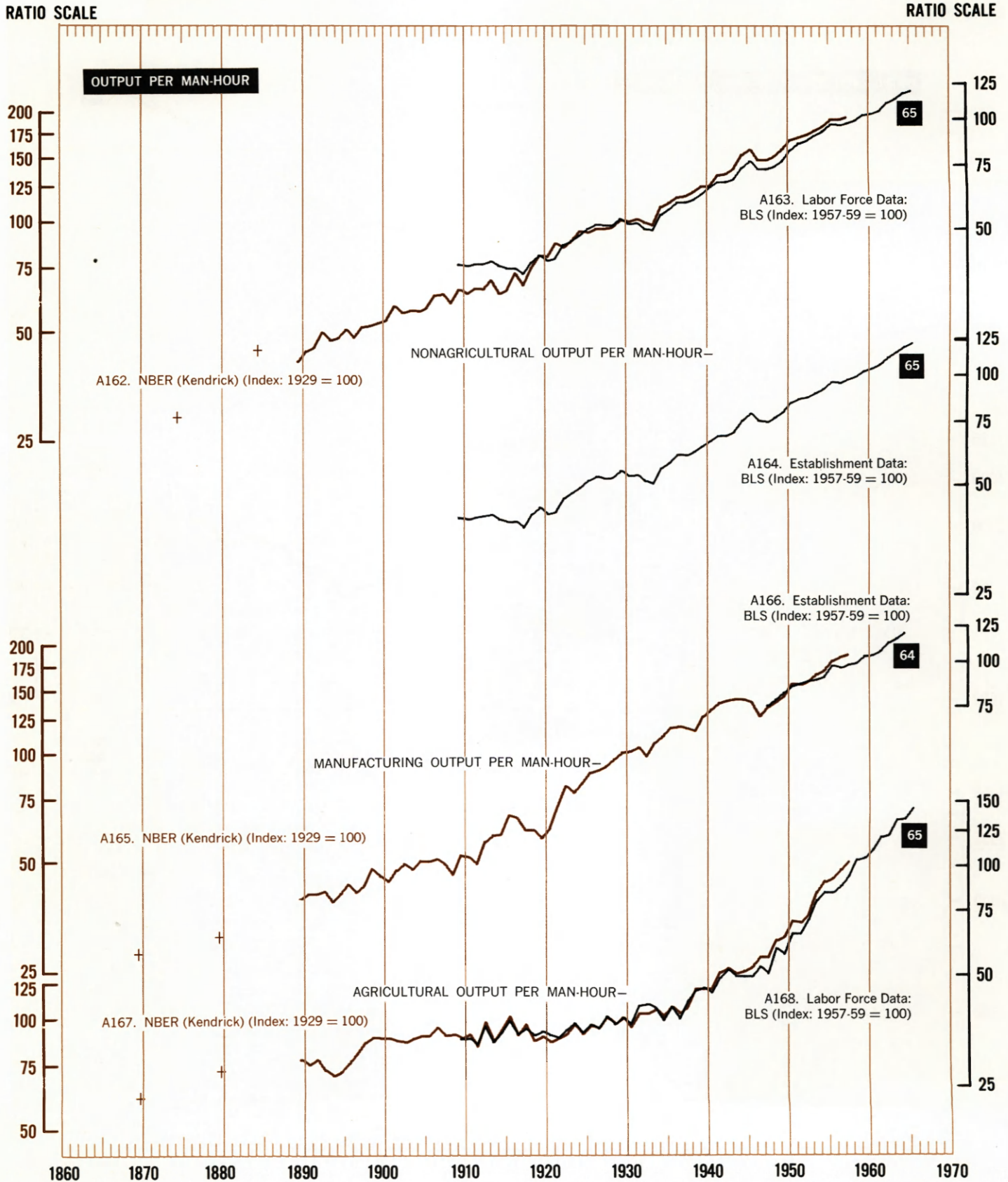


part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **3.** Productivity—continued





part **I.** AGGREGATE OUTPUT, INPUT, AND PRODUCTIVITY  
 chart **3.** Productivity—continued



## Part II. PROCESSES RELATED TO ECONOMIC GROWTH

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Measures of various processes related to economic growth are presented in this part. These measures include the utilization of labor and capital; sources of productivity increases such as education and research and development; and "background" economic variables such as prices, wages, profits, saving, debt, and the money supply.

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**utilization of labor and capital** Four groups of utilization measures are presented: (1) Unemployment rate and hours of work; (2) labor force participation rates; (3) capital utilization; and (4) cyclical and seasonal variability.

The first group are measures of the utilization of the labor force including the unemployment rate, and weekly and annual hours of work. Hours of work per employee is one of the determinants of total man-hours presented in part I as a measure of labor input. The rate at which its long-term downward trend continues is considered an important determinant of the future rate of growth of total GNP.

The second group of utilization measures are the labor force participation rates which indicate the proportion of the population employed or seeking work. On an overall basis, the participation rate has been fairly stable with a little under 60 percent of the population in the labor force. The components, by age and sex, however, show different long-term trends. Rates for women, ages 20 to 64 years, have been rising

since 1890 when the data were first available, while the male rates for the age groups 14 to 19 years and 65 and over have been declining.

The third group of utilization measures are measures of capital utilization. Unfortunately, these data are much more sparse and less reliable than for labor input. The available measures are limited to manufacturing and show manufacturing output as a percent of estimated capacity.

The fourth group of utilization measures are measures of cyclical and seasonal variability in the economy. (They do not follow the above measures, but appear at the end of the part.) The moderation in the cyclical amplitude of GNP and industrial production since World War II, indicated in the measures presented here, may hold many implications for economic growth. The measures of seasonal variations are partial, but have been included as a reminder that the operation of the economy is geared to various seasonal patterns of supply and demand.

**sources of productivity increases** Three groups of series are presented here as sources of productivity increases: (1) Measures of educational preparation; (2) measures of medical research and health standards; and (3) measures of research and development.

The first group includes the various measures of the educational preparation of our population. Elementary and secondary school enrollment is shown as a percent of the 5 to 17 years age group of the population, while higher education enrollment is expressed as a percent of the 18 to 21 years age group. Two other determinants of the quantity of education are shown—the average length of the public school term and the average annual attendance per public school pupil. The cumulative effect of this increased education over time is reflected in the median years of school completed by persons 25 years and older.

The association between educational levels and income is illustrated by the distribution of median income of males by educational categories: 8 years of elementary school; 4 years of high school; and 4 or more years of college. In addition, measures of total expenditures in the educational system and expenditures per student by public schools and by institutions of higher learning are presented.

These data have several limitations for studying the educational sources of economic growth. The differences in income by attained education levels reflect, in addition to education, many other factors such as family background, intelligence, and motivation. The education expenditure series are in current dollars; hence, it is difficult to separate expenditure increases resulting in improved educational quality from those merely reflecting price-level changes.

The second group of series are crude meas-



ures of the quantity of medical research and of the health standards of the population. The health improvements pictured by these series can be considered as affecting both the productive efficiency and the quantity of labor. Public expenditures for medical research include all funds expended by Federal, State, and local governments. An approximate long-term measure of the overall effectiveness of medical care is presented by the series on average life expectancy at birth; although it should be borne in mind that much of the gain in life expectancy reflects the sharp reduction in the infant death rate. An approximate measure of the prevalence of mental illness is reflected in the series on patients in mental hospitals. Days of work lost because of illness, a very short series beginning in 1958, indicates that about 2 percent of potential annual employment is usually lost because of illness or injury. During 1958, the year of the first Asian flu epidemic about 2½

percent of potential employment was apparently lost.

The third group of productivity increases are the available measures of research and development. The total funds specifically provided over the past decade for the conduct of scientific research and development, compiled by the National Science Foundation, is shown here by each major source of funds: Federal Government, industry, colleges and universities, and other non-profit institutions. Even though extremely crude, as indicated by the large jumps in level as the data sources change, data for earlier years for the total and industry component have been pieced together from various sources and presented to provide an indication of strong upward trends since 1930 when the first data were available. Also, the number of patent applications are shown as a partial measure of the increasing level of research and development over the past century.

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**background economic variables** Additional economic variables are presented here, which represent either prices or various aspects of the saving and investment process that are not shown directly in the data presented on investment and capital stocks in part I. These variables are frequently given a secondary role in studies of economic growth, and are presented here as "background" economic variables which may be viewed as potential building blocks for constructing improved and extended models of economic growth.

When studying the charts, it should be kept in mind that, with the exception of real wages, the series presented in dollars such as saving, profits, and the money supply are in current dollars and, hence, tend to have stronger upward trends than do most of the constant-dollar series in part I.

Six broad measures of prices are presented first. They are the implicit price deflators for GNP, gross private domestic product, personal consumption expenditure, fixed investment, and the wholesale and consumer price indexes. For many purposes, the price deflator for gross private domestic product is considered a better measure of the overall price level than the deflator for GNP because of the technique used to estimate the government and "rest of the world" product in GNP. Next a series measuring real wages of production workers in manufacturing is shown. Four measures of interest rates on long-term securities of varying degrees of risk and differing periods to maturity followed by four series measuring short-term interest rates

and an index of stock prices conclude the presentation of price series.

Corporate profits before and after taxes, internal sources of funds, and corporate security issues for new capital provide indications of corporate financing of investment, one aspect of the total saving and investment process. The corporate series are followed by data on total annual gross saving and the sources of saving: Personal saving, corporate saving, government saving, and capital consumption allowances. Two indexes are presented for each series—one developed by OBE and the other by Raymond W. Goldsmith. OBE's estimates are based on current income and expenditure flows occurring during each year, and are shown only for the post-1929 period. For earlier years and for an overlapping period, Goldsmith's balance sheet estimates are also shown. These estimates are derived by taking saving as equal each year to the change in assets less the change in liabilities.

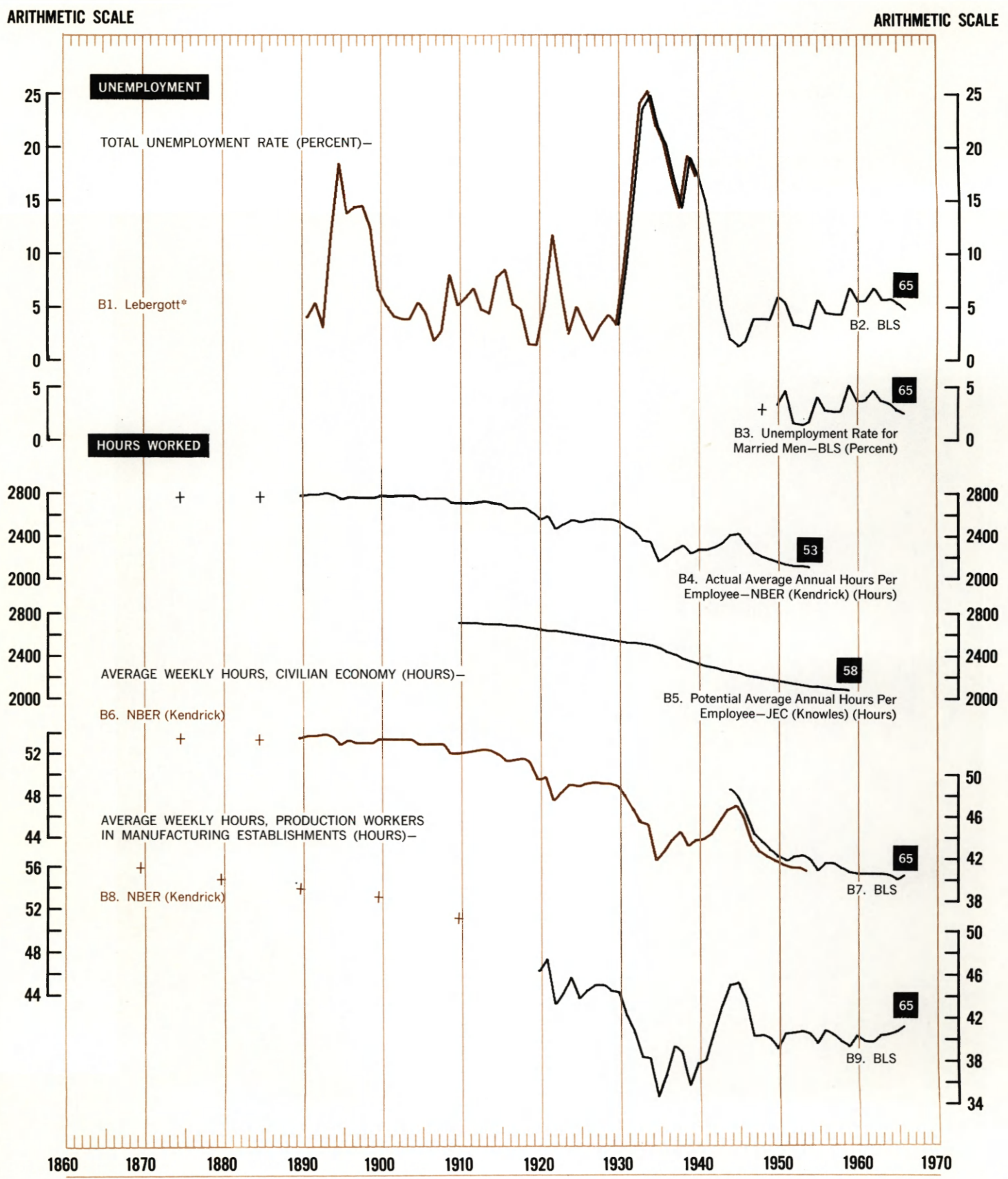
Next, are presented the total public and private debt series which illustrate the trend and magnitude of indebtedness in the Nation's economy and how this debt is distributed among government, corporate firms, and noncorporate firms and private individuals. Finally, the total assets of financial intermediaries and the two principal components, banks and life insurance companies, are presented. These series indicate trends in the flow of funds from savers to investors.

Following the saving and investment data, measures reflecting two concepts of the money supply are shown. The first is defined as the

sum of public holdings of coin and currency and of demand deposits at commercial banks, while the second includes these items plus time deposits. Related to the money supply are the series on the income velocity of money defined as the ratio of the value of total output (i.e., GNP or net national product) to the money supply.

Three measures summarizing the net financial effects of U.S. trade with the rest of the world are the final "background" variables shown. They are the net U.S. balance of payments, net exports of goods and services, and the monetary gold stock.

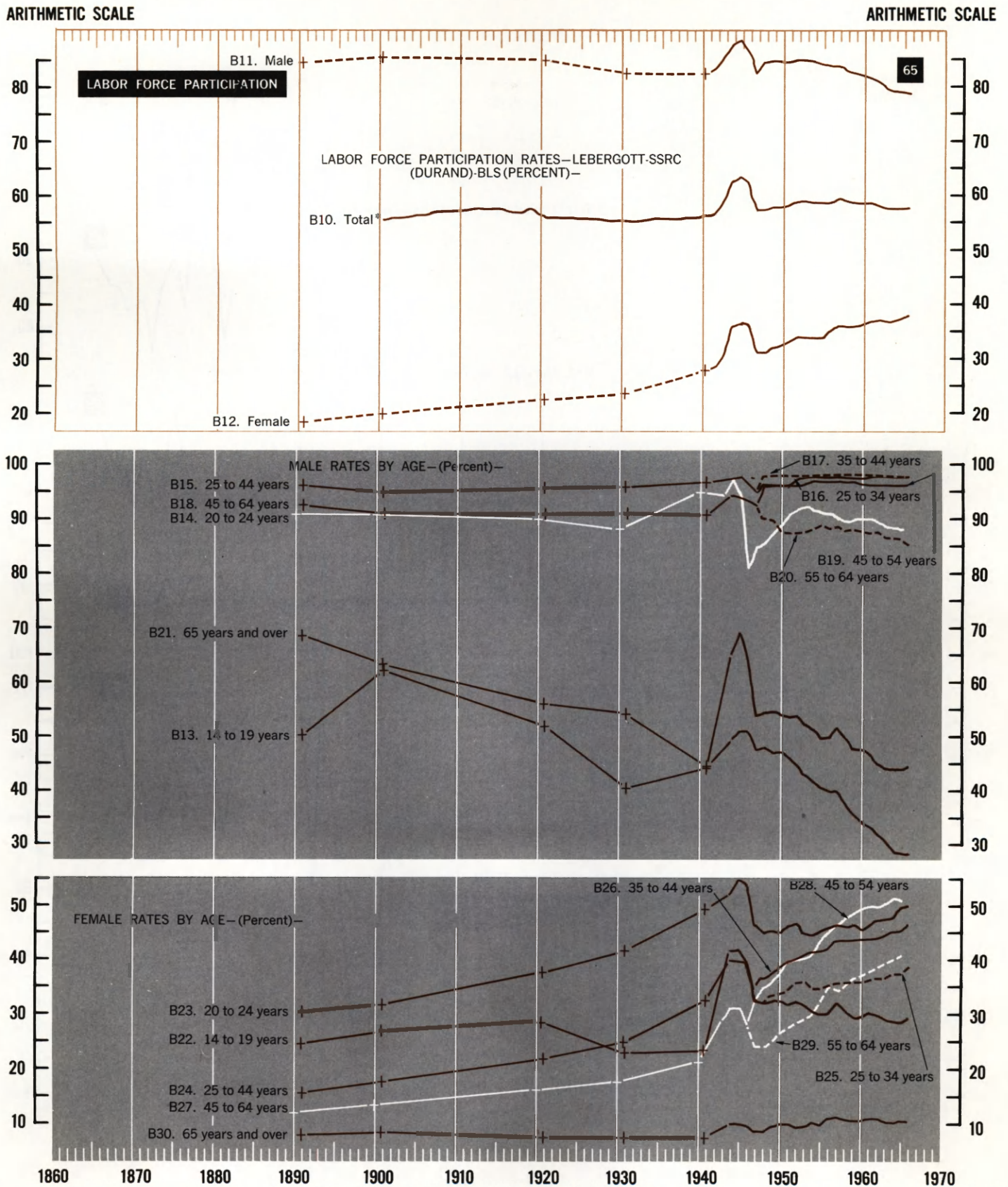
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **4.** Utilization of labor and capital



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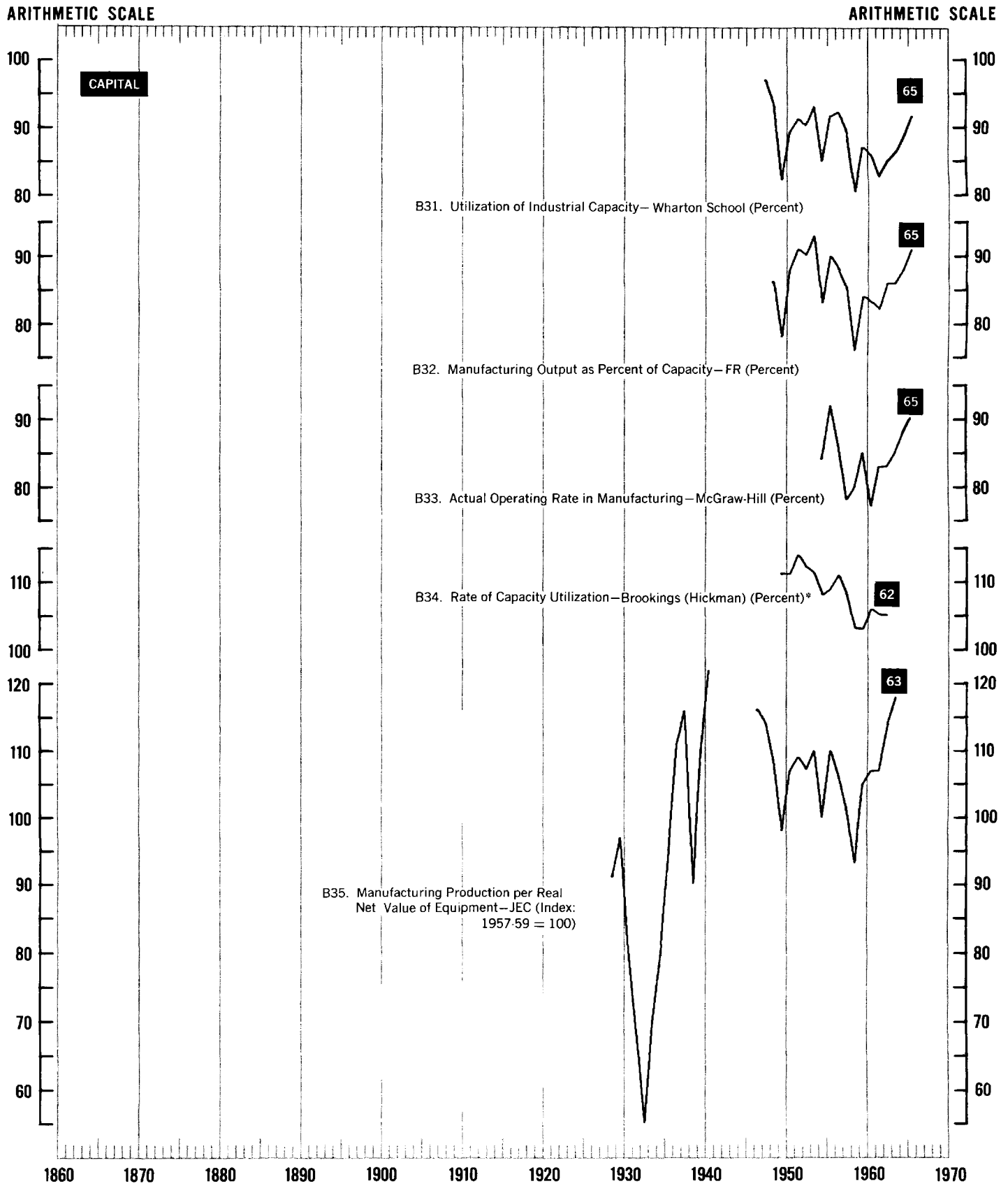


part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **4.** Utilization of labor and capital—continued



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part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **4.** Utilization of labor and capital—continued



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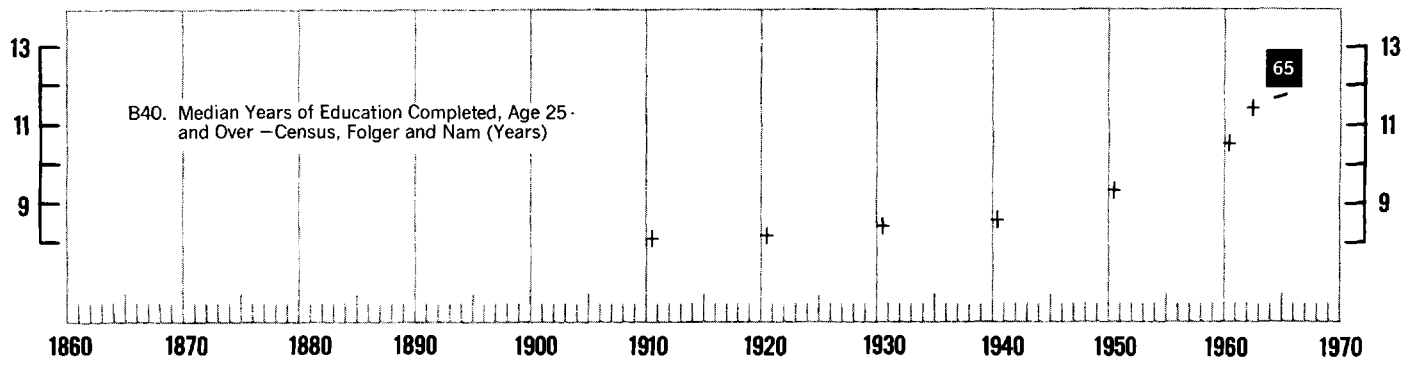
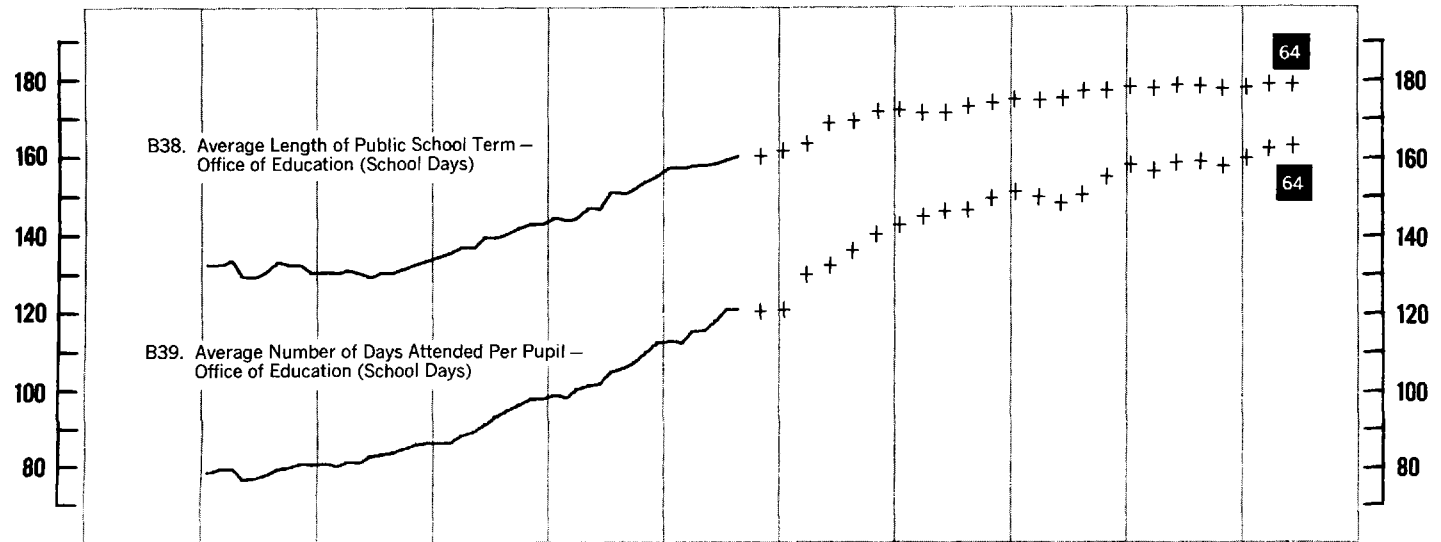
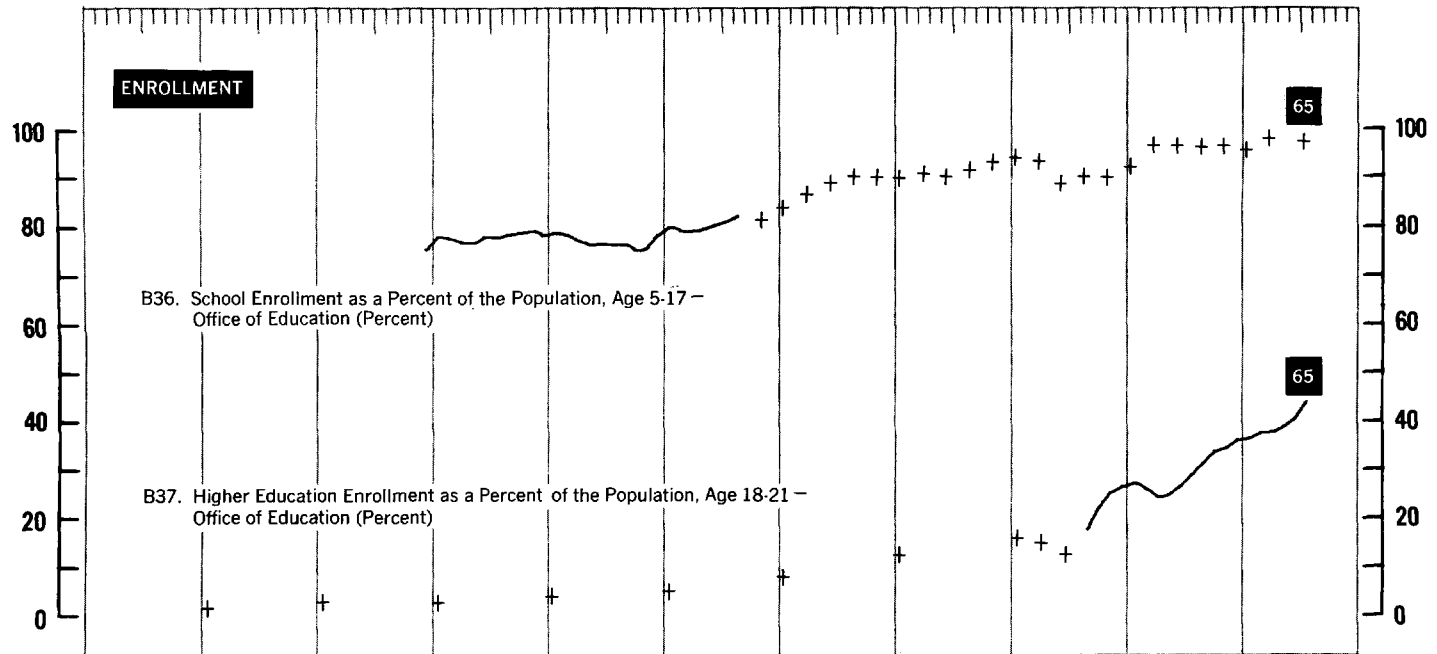
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **I.** Education

part **A.** Enrollment and expenditure

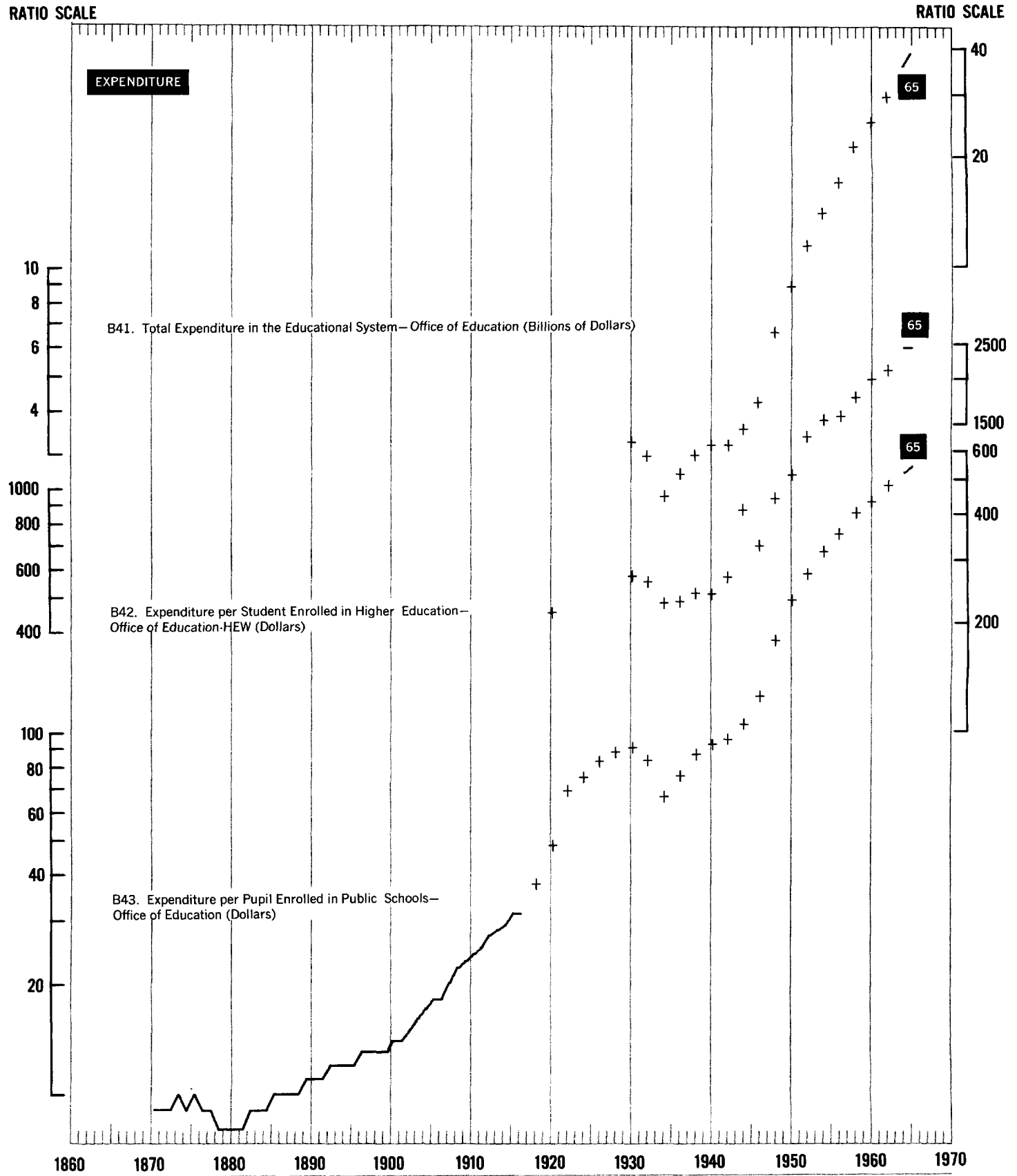
ARITHMETIC SCALE

ARITHMETIC SCALE





part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **5.** Education—continued  
 part **A.** Enrollment and expenditure—continued



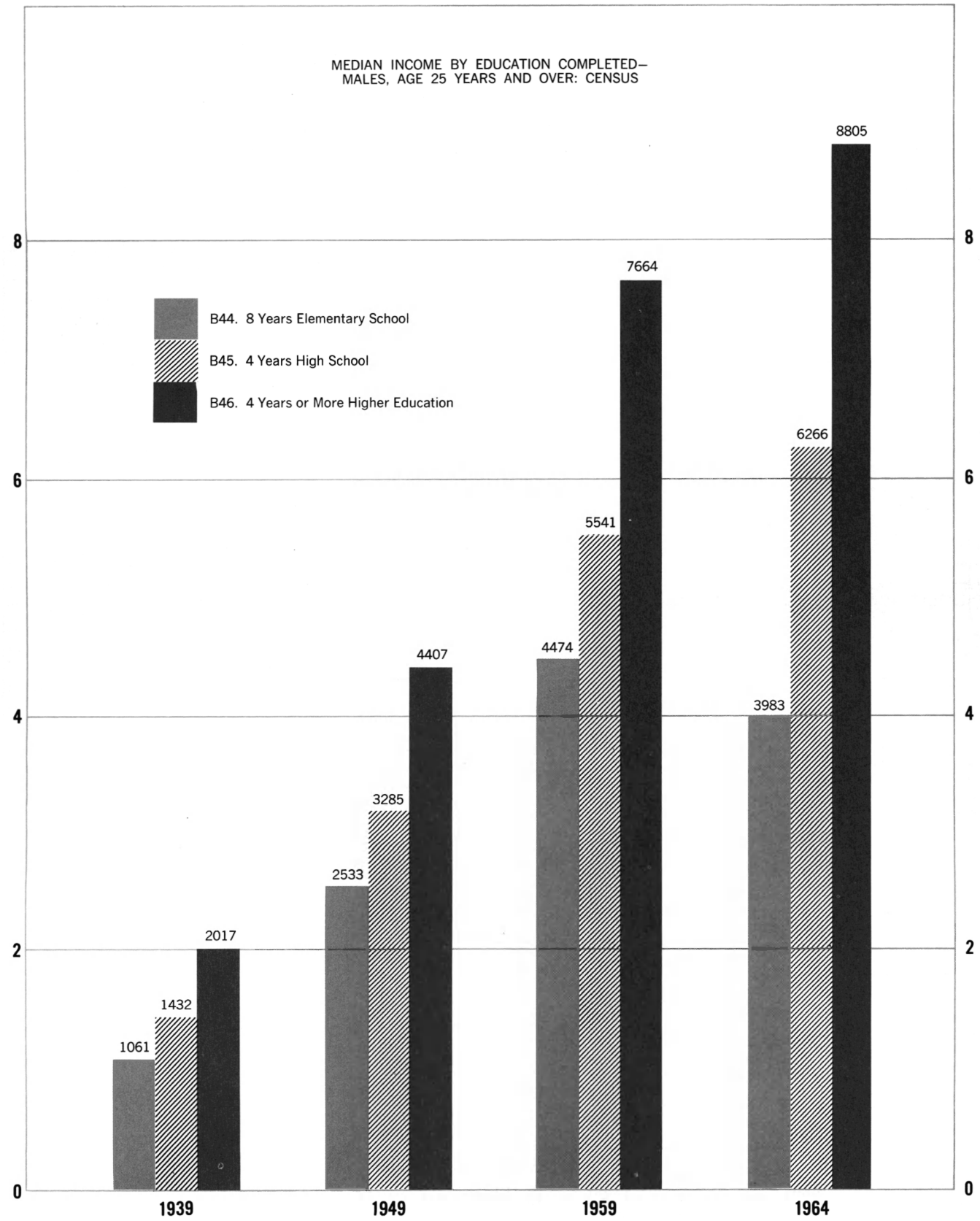
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **5.** Education—continued

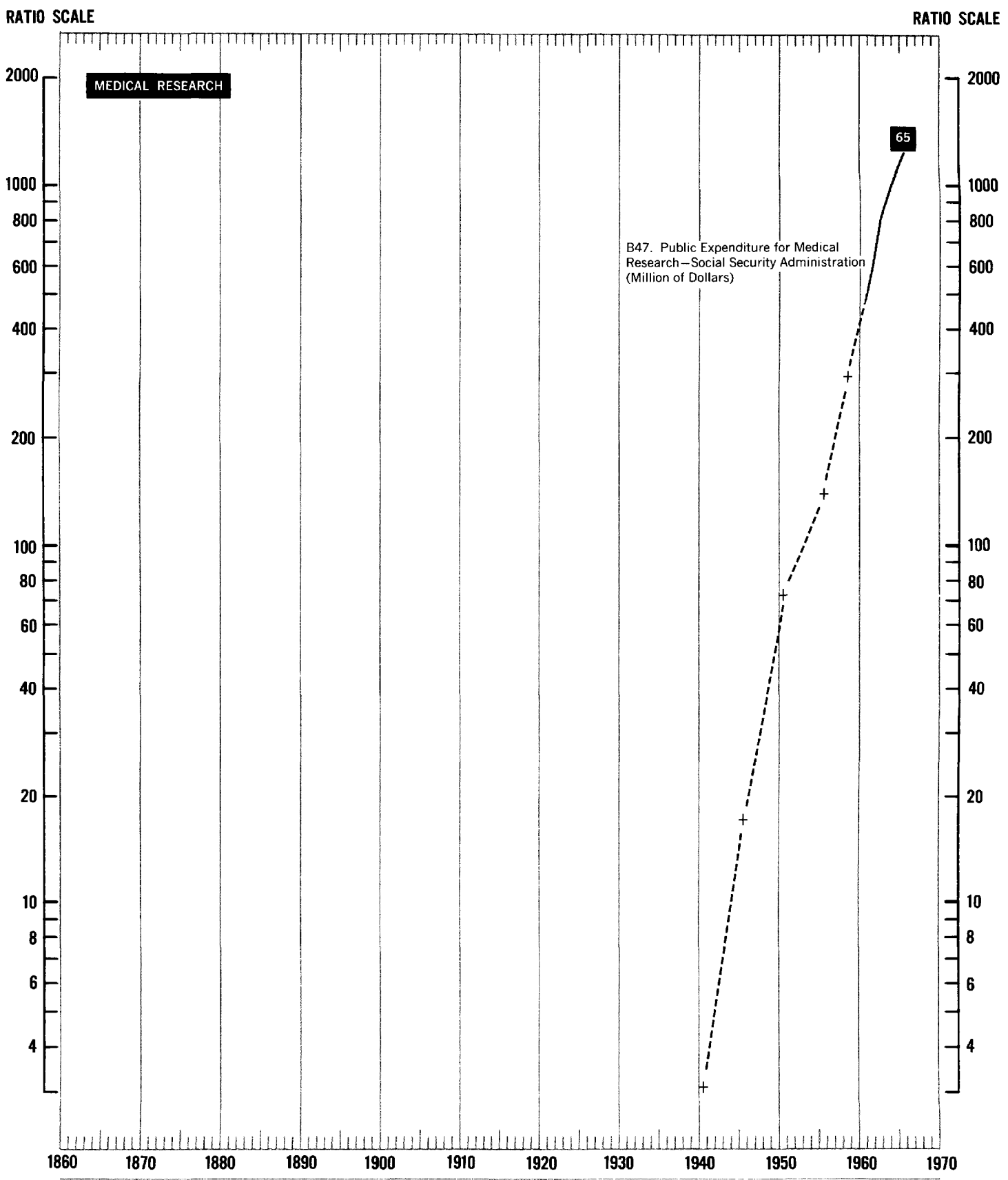
part **B.** Income by education level

ARITHMETIC SCALE

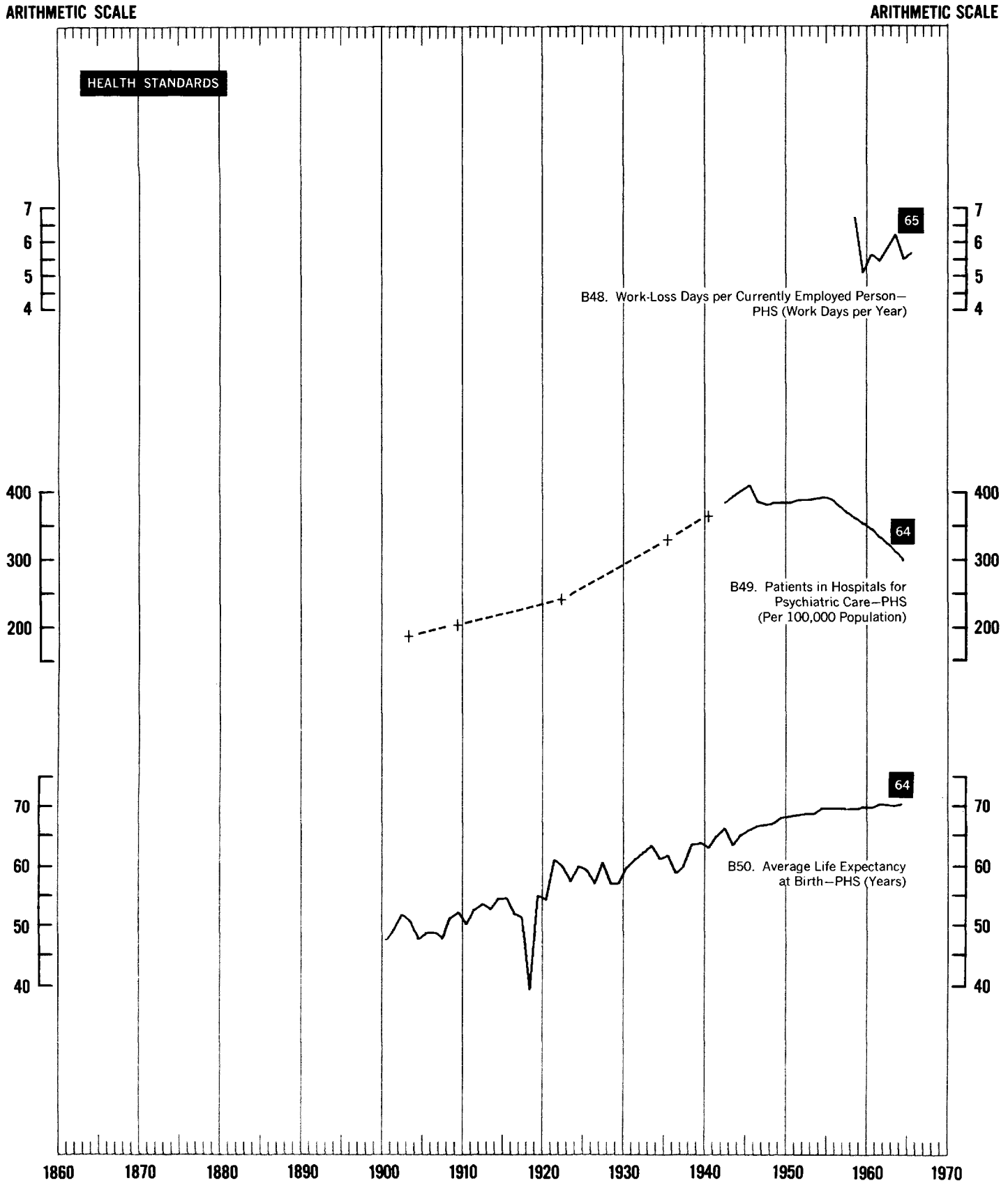
THOUSANDS OF DOLLARS



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **6.** Medical research and health standards

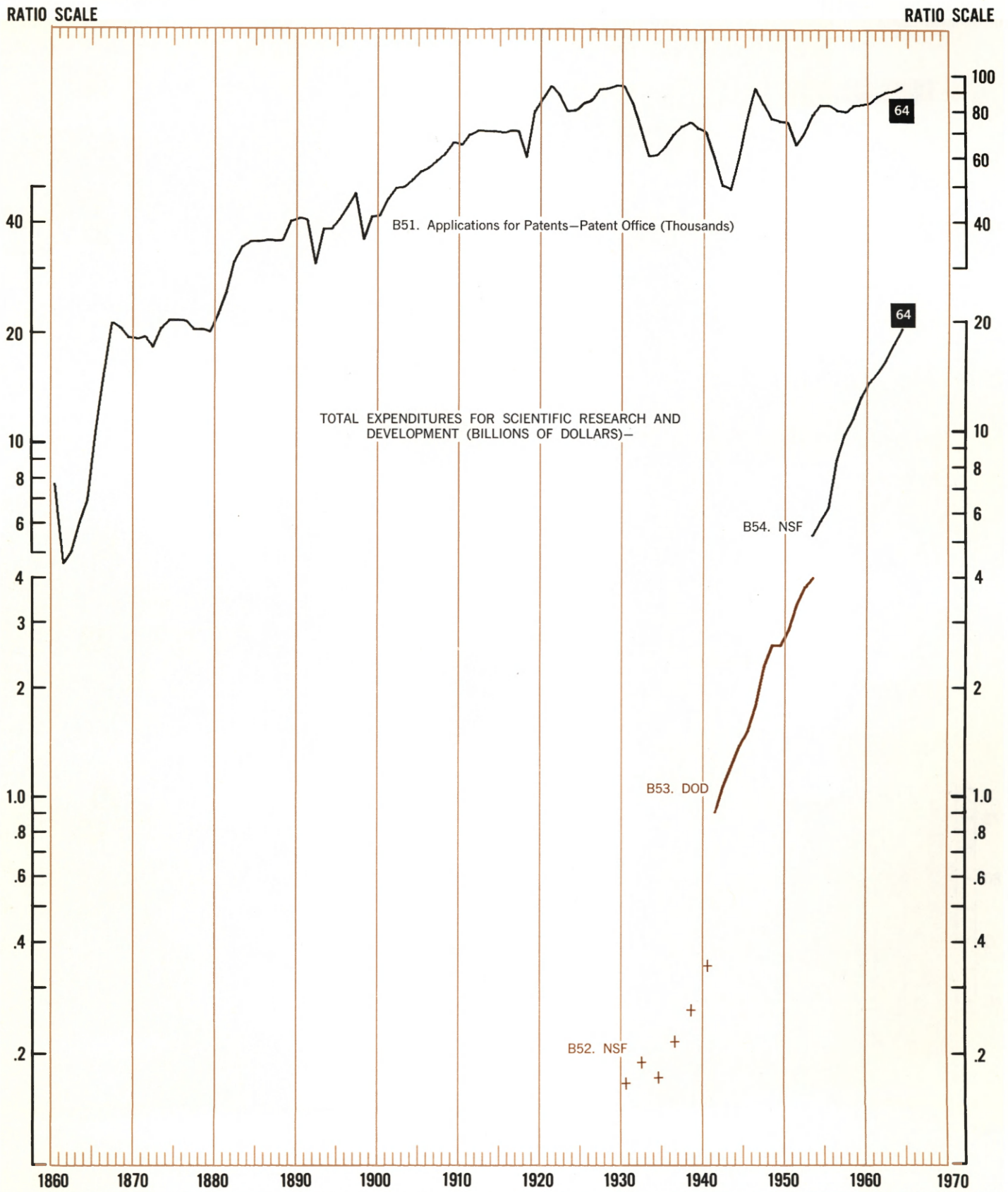


part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **6.** Medical research and health standards— continued



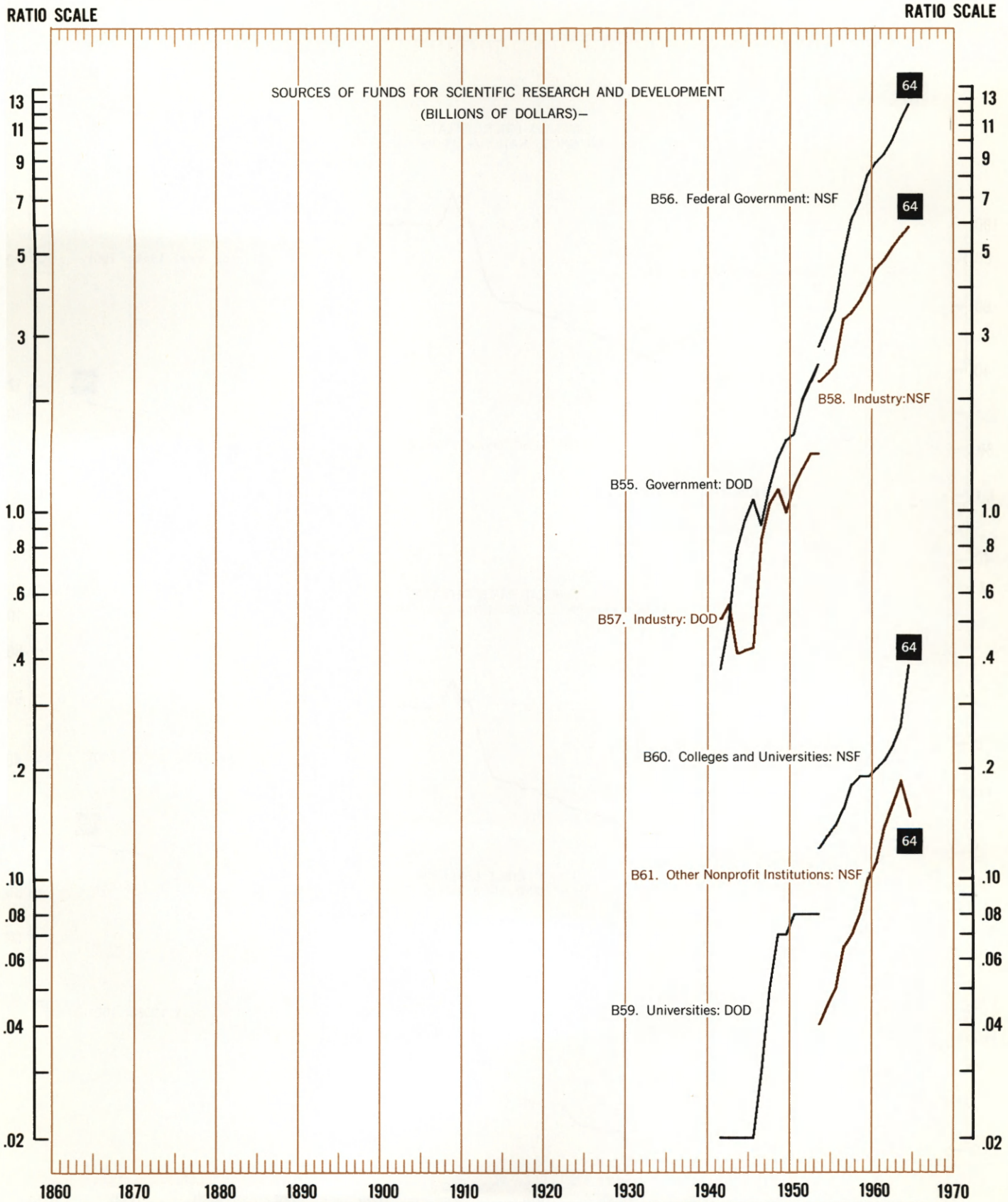
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **7.** Research and development



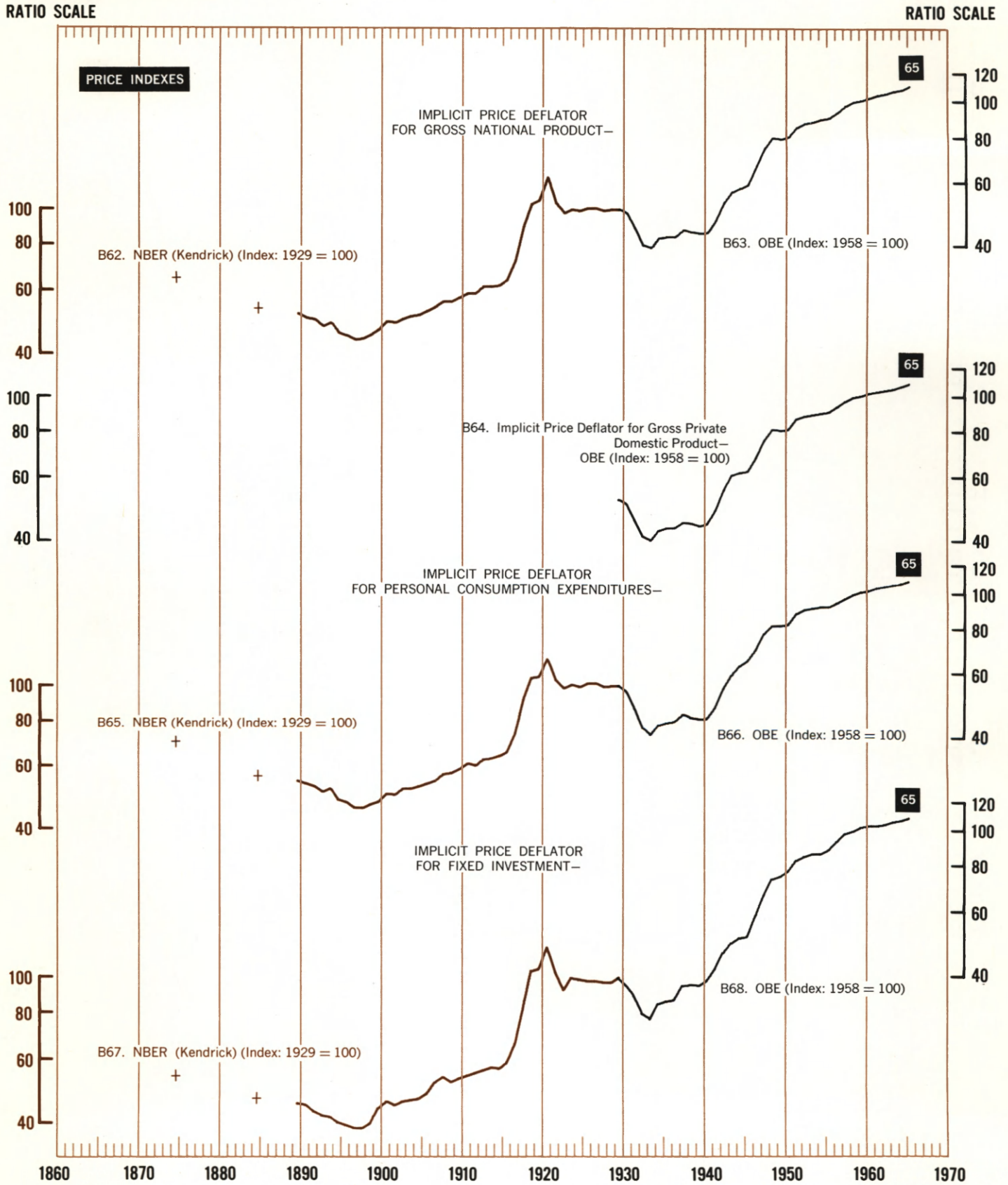


part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **7.** Research and development—continued



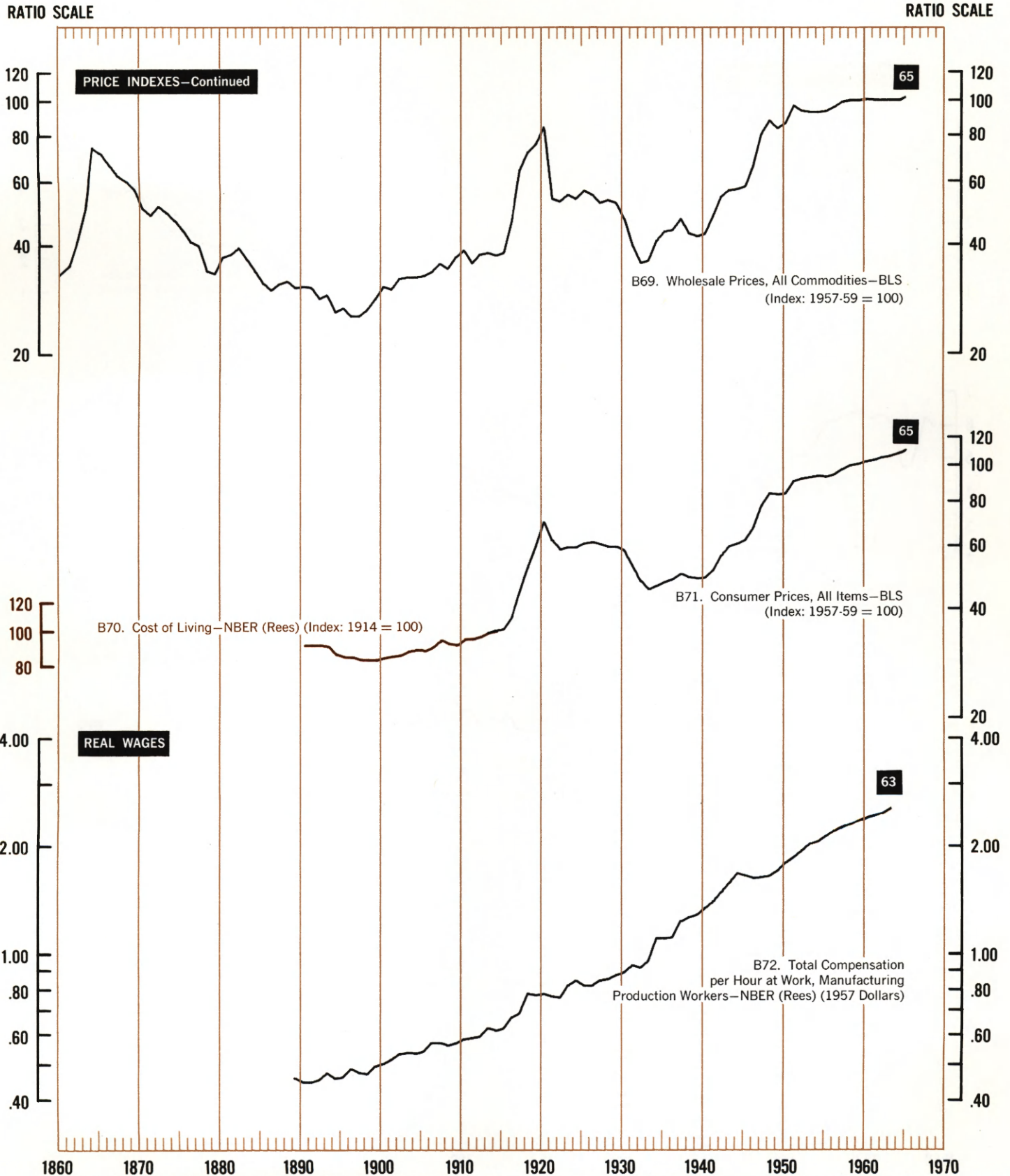
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **8.** Background economic variables



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

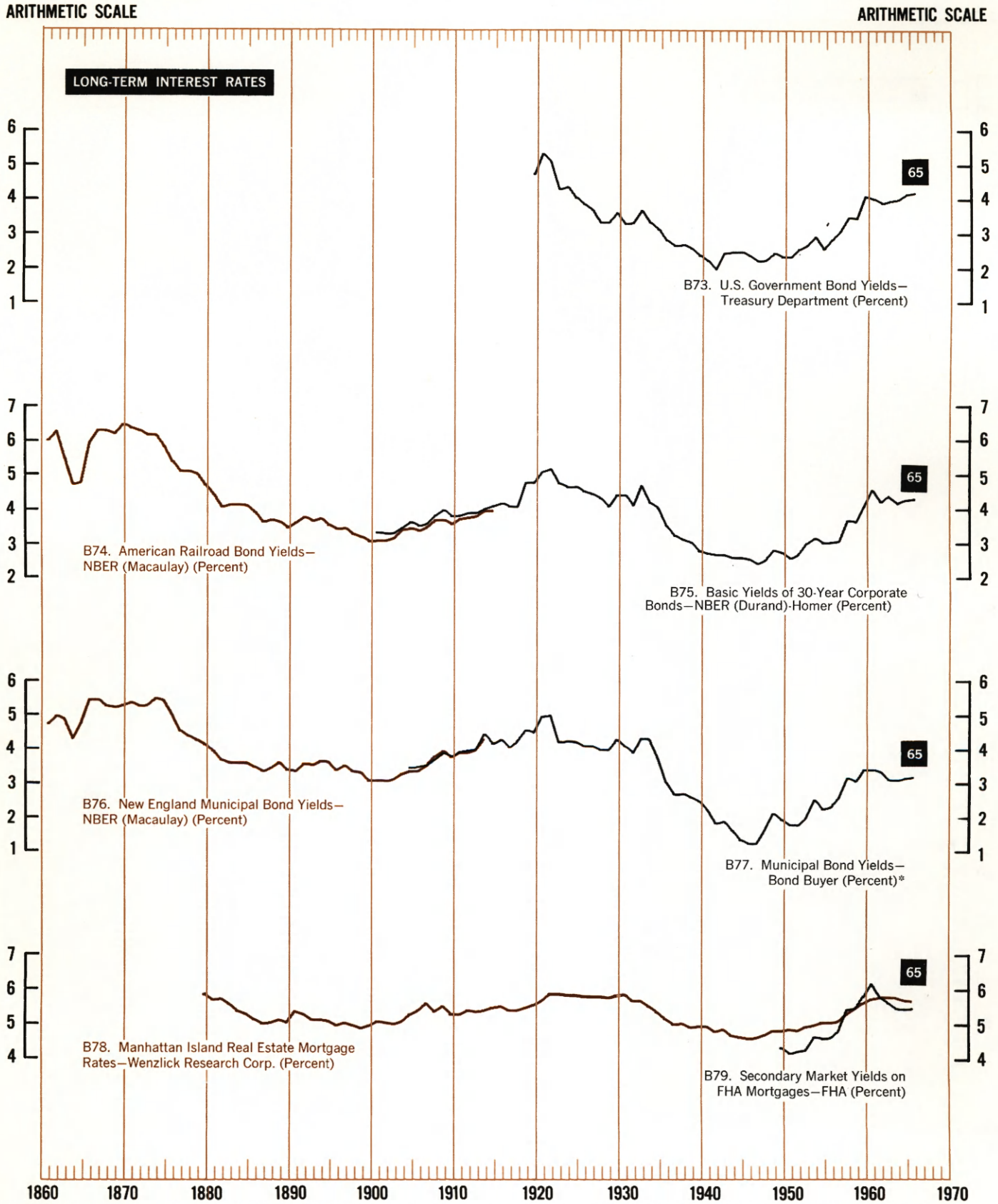
chart **8.** Background economic variables—continued





part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

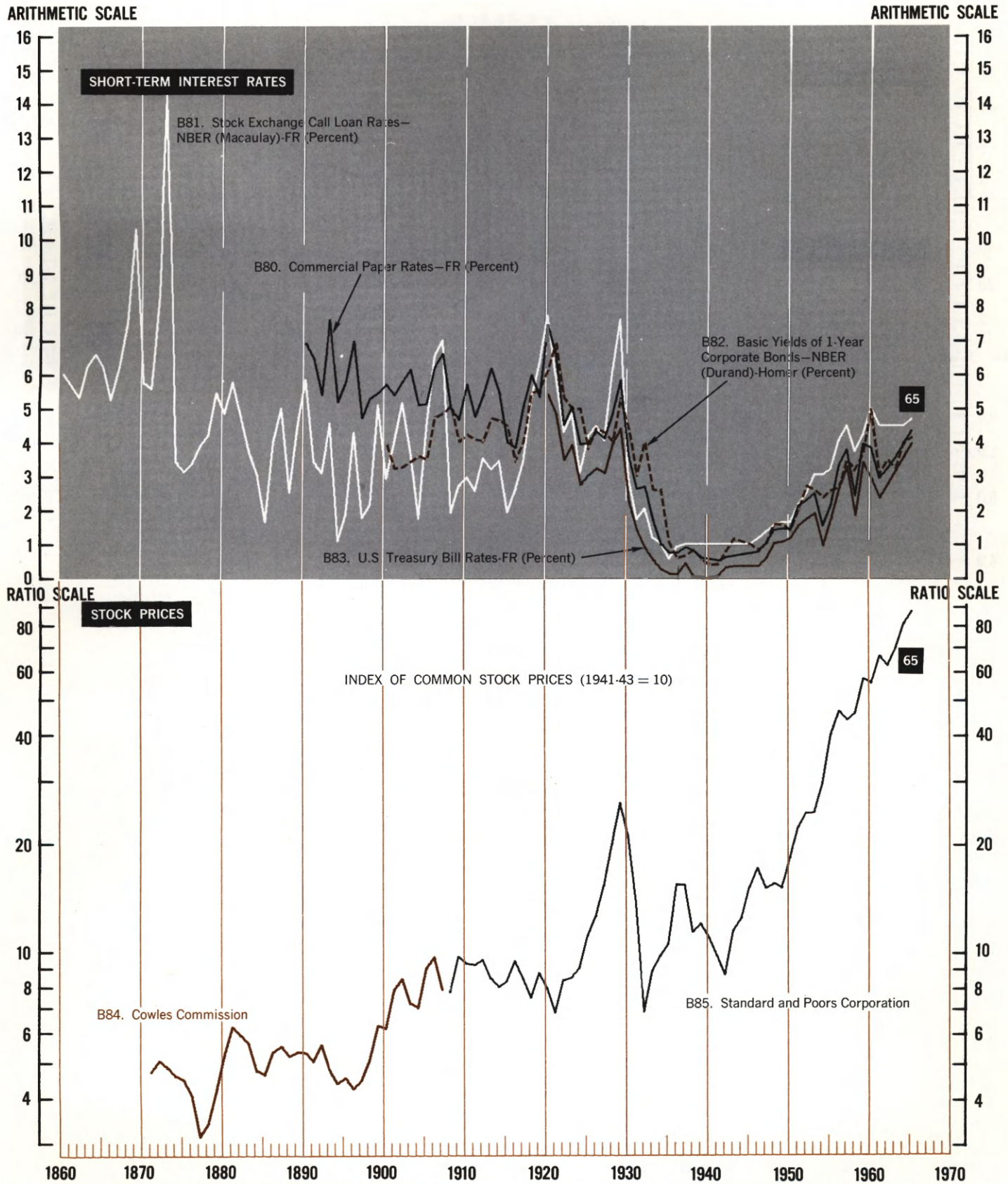
chart **8.** Background economic variables—continued



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part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

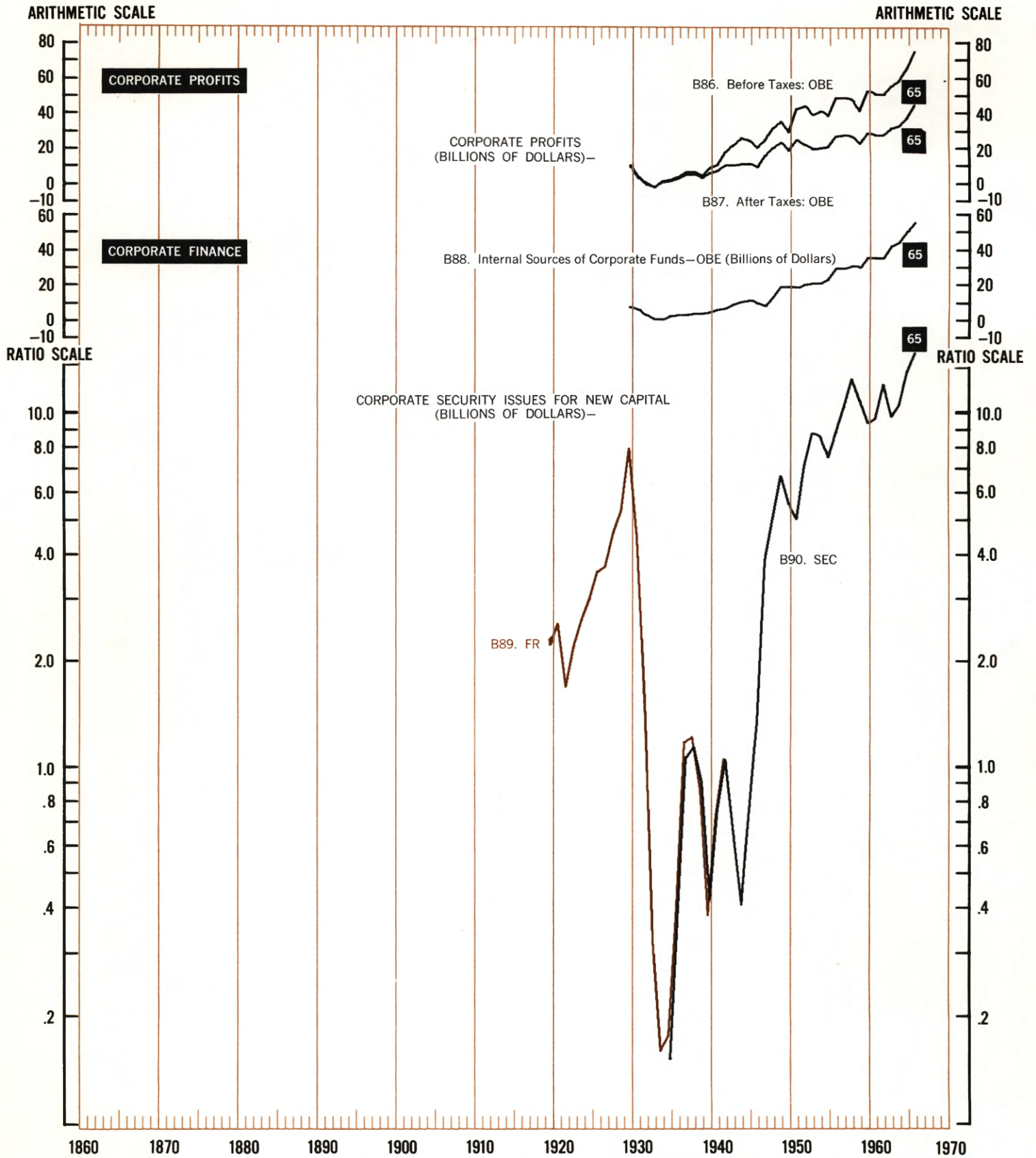
chart **8.** Background economic variables—continued





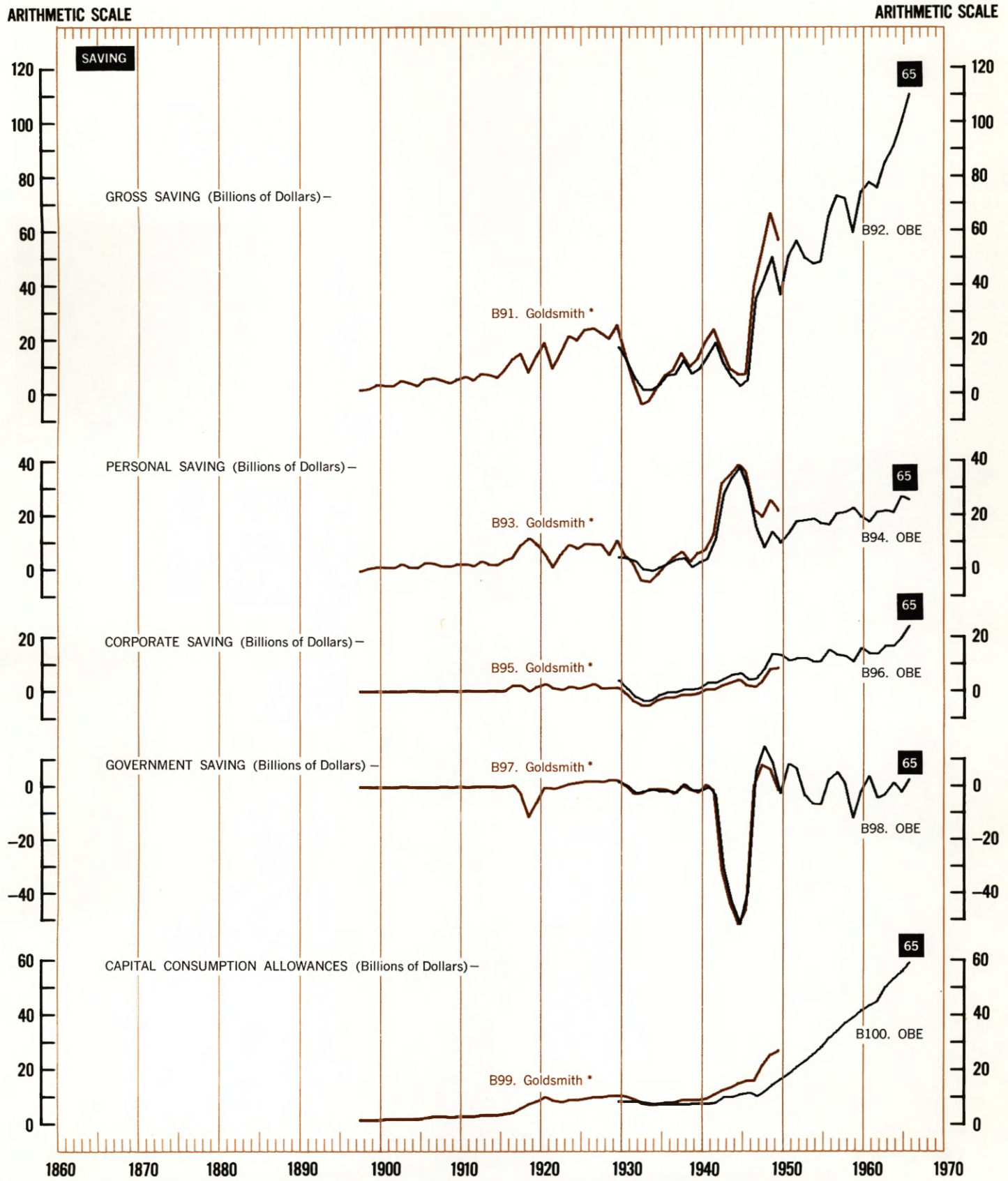
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **8.** Background economic variables—continued



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

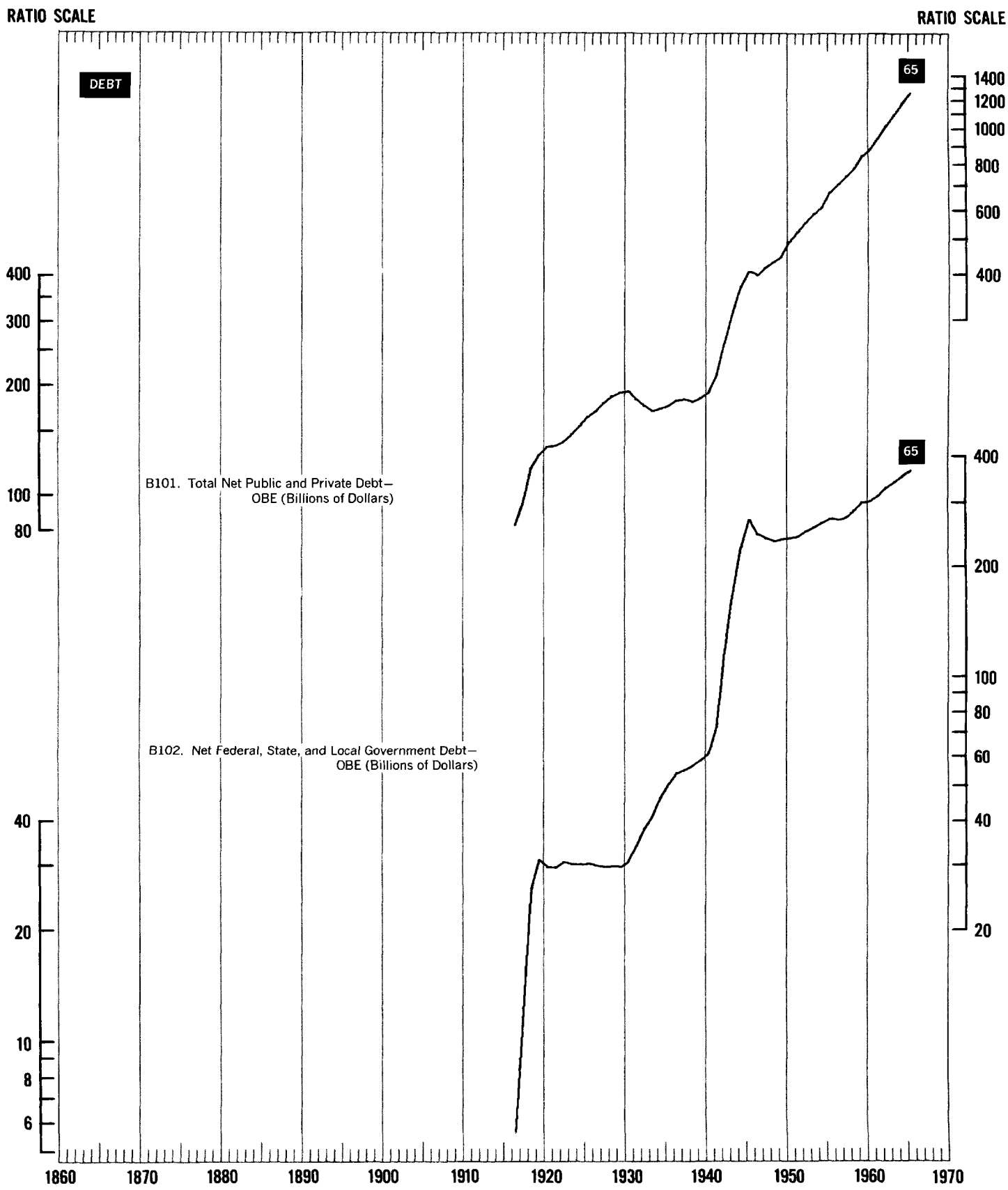
chart **8.** Background economic variables—continued



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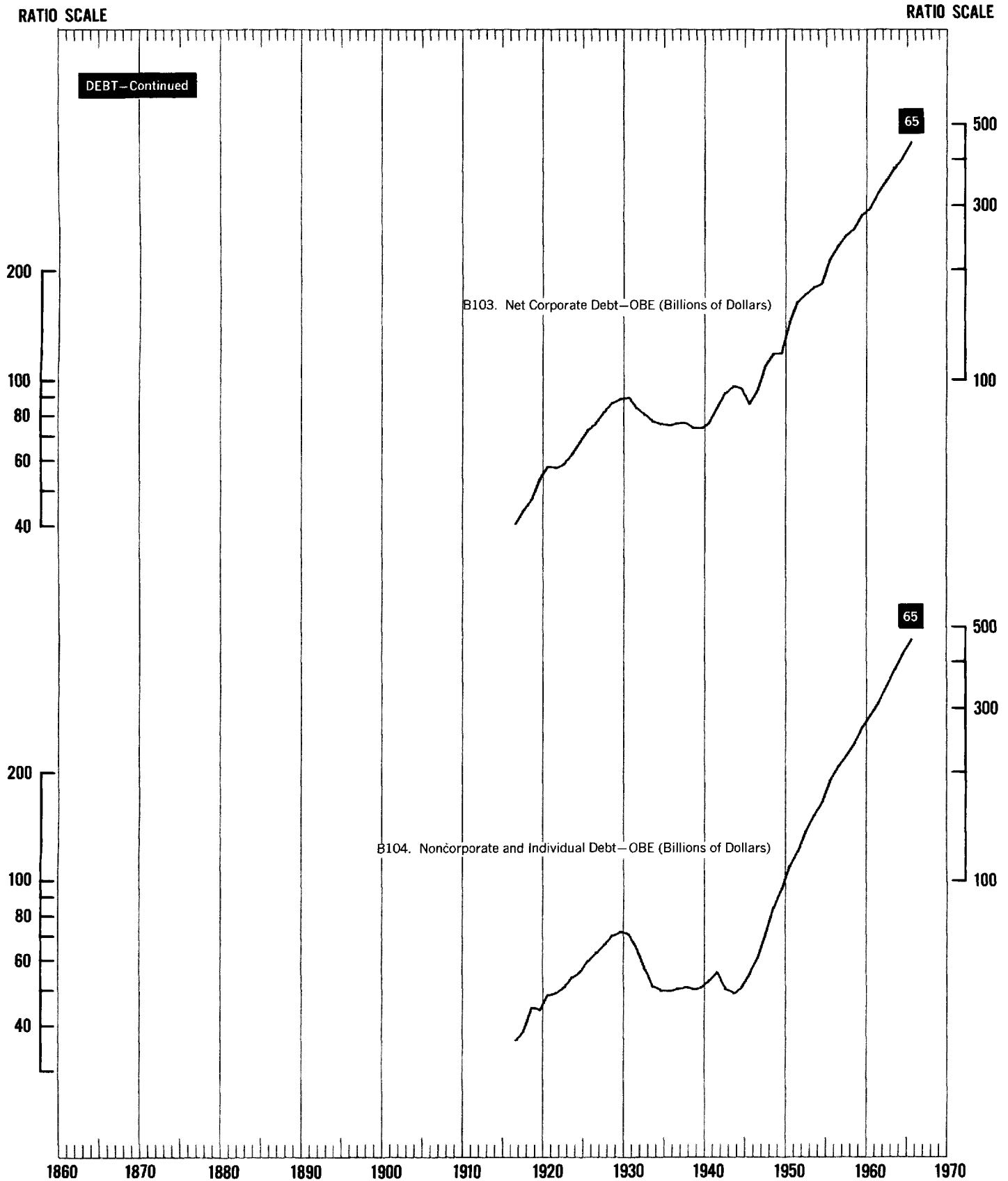
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **8.** Background economic variables—continued



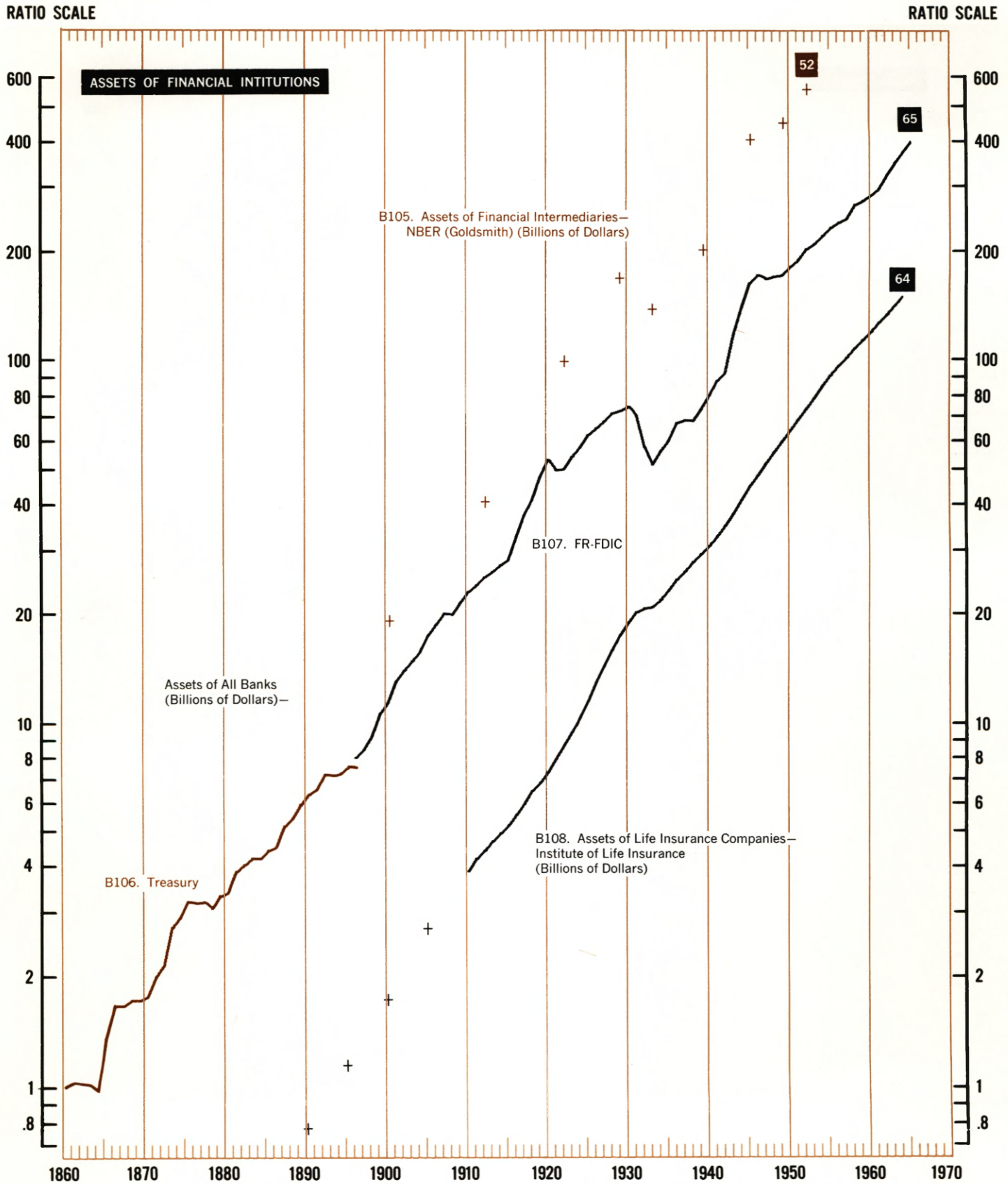
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **8.** Background economic variables—continued



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

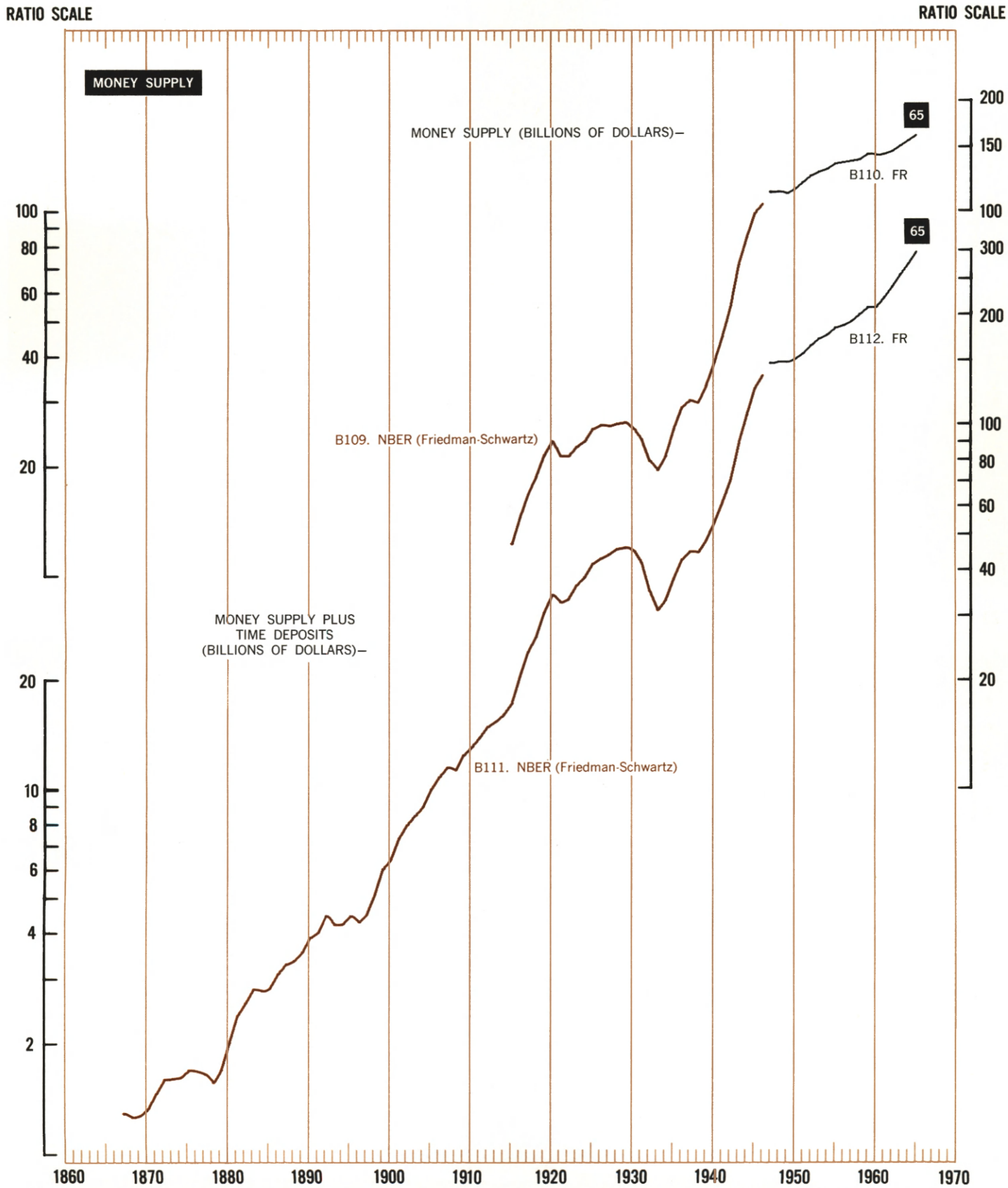
chart **8.** Background economic variables—continued





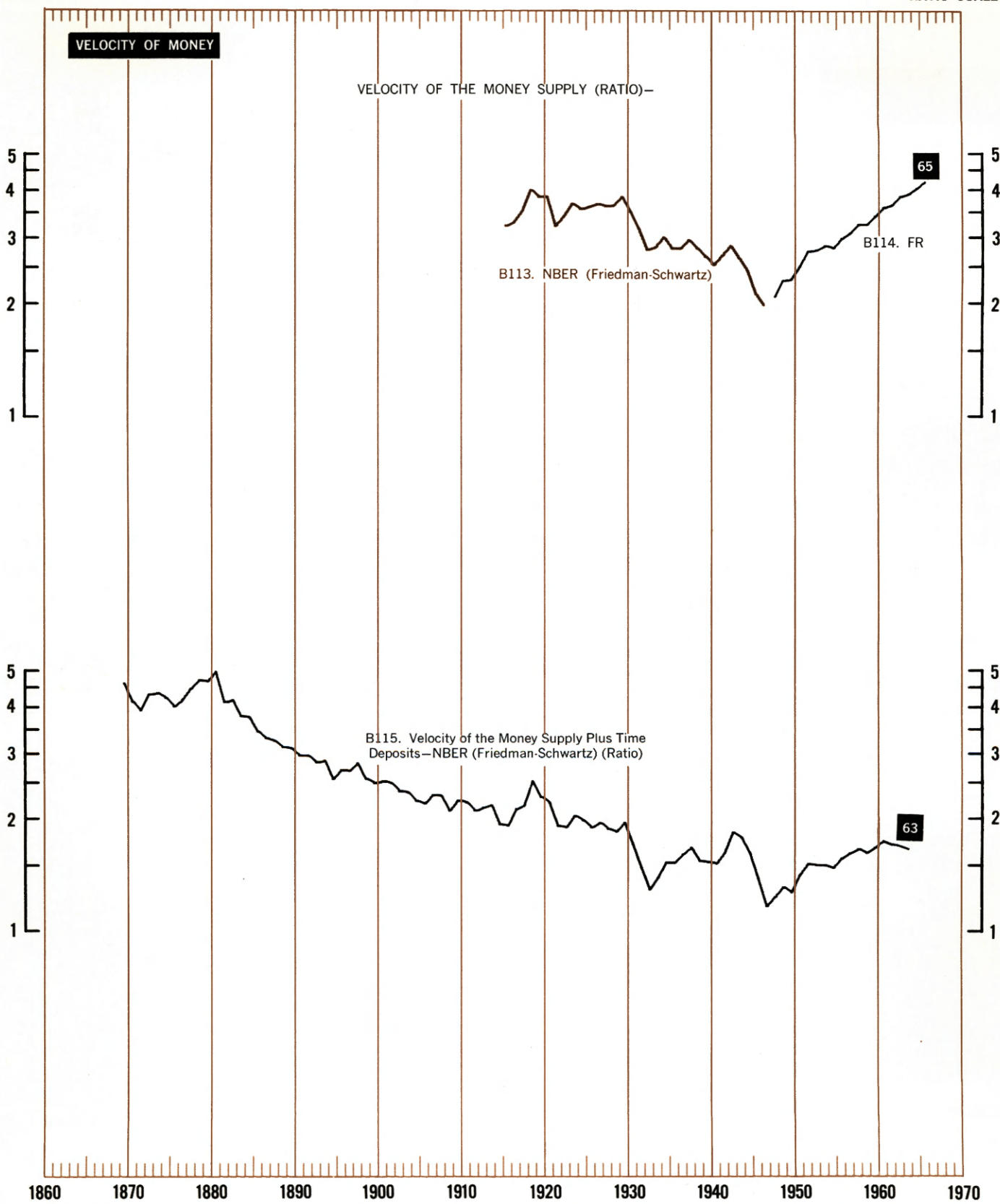
part **II.** PROCESSES RELATED TO ECONOMIC GROWTH

chart **8.** Background economic variables—continued

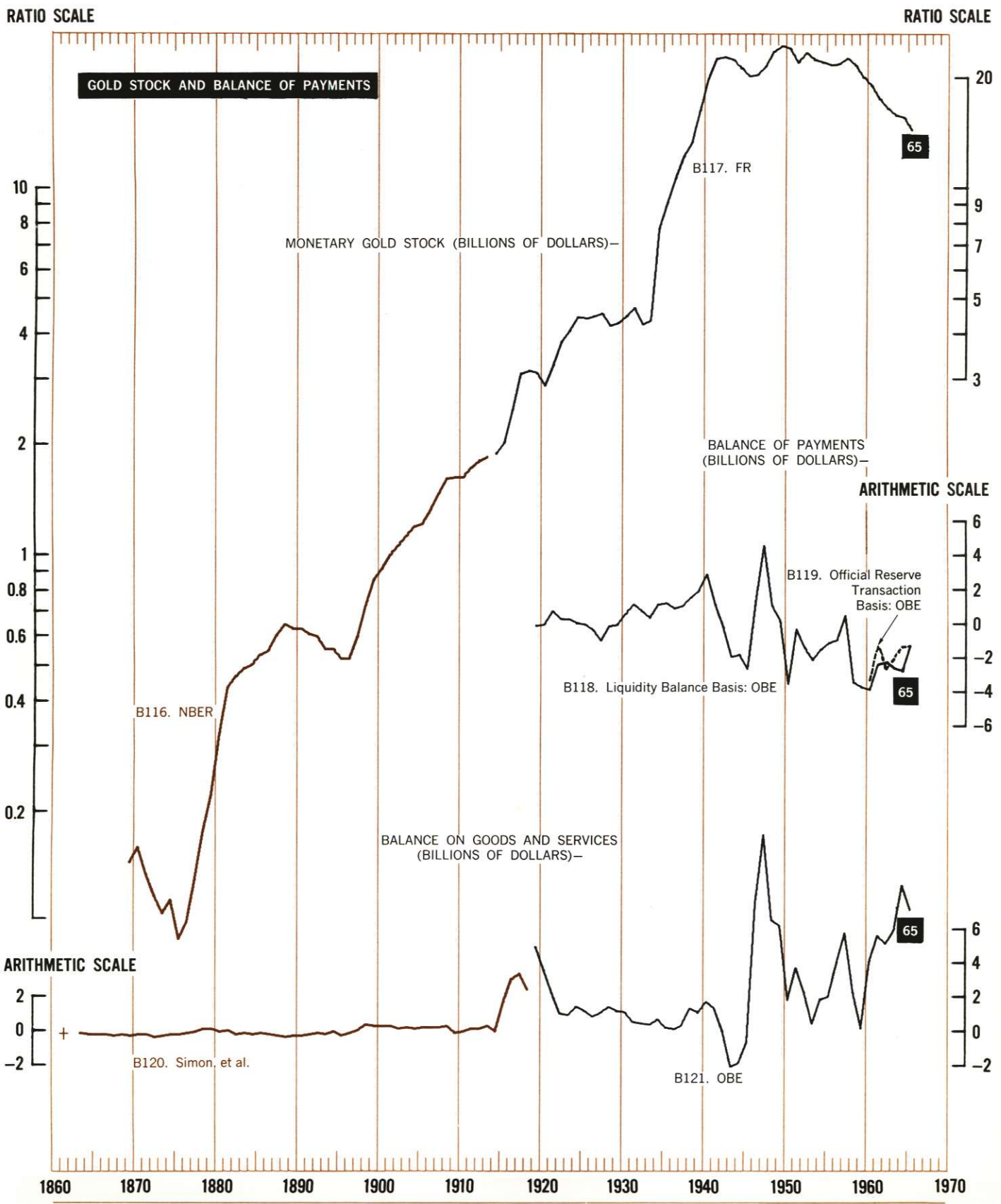


RATIO SCALE

RATIO SCALE



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
 chart **8.** Background economic variables—continued



part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
table **2.** Seasonal and cyclical fluctuations  
part **A.** Seasonal fluctuations (Census Bureau)

| Series and year                                   | Implicit seasonal factors |      |      |      |     |      |      |      |       |      |      |      | Summary measures |           |           |                   |
|---|---------------------------|------|------|------|-----|------|------|------|-------|------|------|------|------------------|-----------|-----------|-------------------|
|   | Jan.                      | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Range of S       | $\bar{S}$ | $\bar{O}$ | $\bar{S}/\bar{O}$ |
| <b>GNP, current dollar:<sup>1</sup></b>           |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | —                         | 96   | —    | —    | 99  | —    | —    | 99   | —     | —    | 106  | —    | 10               | 4.7       | 5.8       | .81               |
| 1963.....   | —                         | 95   | —    | —    | 100 | —    | —    | 98   | —     | —    | 106  | —    | 11               | 5.7       | 6.2       | .92               |
| <b>Industrial production index:</b>               |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | 100                       | 101  | 101  | 101  | 99  | 100  | 94   | 99   | 101   | 103  | 101  | 99   | 9                | 1.9       | 2.8       | .68               |
| 1963.....   | 98                        | 100  | 101  | 100  | 100 | 102  | 96   | 99   | 102   | 103  | 101  | 98   | 7                | 1.8       | 2.2       | .82               |
| <b>Unemployment rate:</b>                         |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | 118                       | 120  | 112  | 102  | 98  | 111  | 100  | 90   | 85    | 80   | 91   | 95   | 40               | 9.2       | 10.6      | .87               |
| 1963.....   | 116                       | 117  | 111  | 98   | 95  | 112  | 100  | 95   | 87    | 84   | 93   | 96   | 33               | 8.5       | 9.1       | .93               |
| <b>Civilian employment:</b>                       |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | 97                        | 97   | 98   | 99   | 100 | 102  | 102  | 102  | 101   | 102  | 101  | 99   | 5                | 1.0       | .9        | 1.11              |
| 1963.....   | 97                        | 97   | 98   | 99   | 101 | 102  | 101  | 102  | 101   | 101  | 100  | 99   | 5                | 1.1       | 1.2       | .92               |
| <b>New construction put in place:</b>             |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | 83                        | 79   | 85   | 93   | 101 | 109  | 112  | 114  | 114   | 111  | 105  | 95   | 35               | 6.1       | 6.2       | .98               |
| 1963.....   | 79                        | 71   | 82   | 94   | 104 | 114  | 115  | 116  | 112   | 112  | 105  | 94   | 45               | 8.3       | 8.6       | .97               |
| <b>Retail sales:<sup>2</sup></b>                  |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1956.....   | 89                        | 88   | 99   | 97   | 102 | 105  | 98   | 102  | 98    | 101  | 102  | 120  | 32               | 7.3       | 8.0       | .91               |
| 1963.....   | 90                        | 84   | 96   | 101  | 105 | 101  | 100  | 102  | 94    | 104  | 104  | 120  | 36               | 8.0       | 8.0       | 1.00              |
| <b>Sales of merchant wholesalers:<sup>2</sup></b> |                           |      |      |      |     |      |      |      |       |      |      |      |                  |           |           |                   |
| 1963.....   | 94                        | 90   | 98   | 100  | 104 | 97   | 101  | 102  | 99    | 110  | 102  | 101  | 20               | 4.7       | 4.9       | .96               |

<sup>1</sup> Quarterly data.

<sup>2</sup> Factors are a combination of seasonal and trading-day factors.

**GENERAL NOTE:** This table measures the effects of seasonal influences upon various economic activities. Such influences tend to be both recurrent and periodic. The implicit seasonal factor for any month is obtained by dividing the original (i.e., non-seasonally adjusted data) for the month, by the seasonally adjusted data.

In addition to the seasonal influences, the effects of variations in the number of trading days per month are included in the seasonal factors for the series on retail sales and sales of merchant wholesalers.

The variability of seasonal factors is indicated by two summary

measures. The range of S simply measures the difference between the values of the highest and the lowest monthly seasonal factor for each series for each year. The measure  $\bar{S}$  is the average month-to-month percent change, computed without regard to sign in the implicit seasonal factors. The 12-month span used in computing the percent changes for 1956 and 1963 begins with December of the preceding year and ends with December of 1956 or 1963. The measure  $\bar{O}$  is a like measure using the values of the original data. The  $\bar{S}/\bar{O}$  indicates the relative magnitude of seasonal to total variation in the monthly data.

The implicit seasonal factors and the summary measures for this table were computed at the Bureau of the Census.

part **II.** PROCESSES RELATED TO ECONOMIC GROWTH  
table **2.** Seasonal and cyclical fluctuations—continued  
part **B.** Cyclical fluctuations for industrial production and gross national product (Census Bureau, NBER)

| 17 SPECIFIC CYCLES<br>IN INDUSTRIAL PRODUCTION SINCE 1892 |                              |                                       |  | AVERAGES OF CYCLES<br>IN INDUSTRIAL PRODUCTION SINCE 1892       |  |  |  |
|---|------------------------------|---------------------------------------|--|---|--|--|--|
| Trough  | Peak                         | Duration<br>in<br>months <sup>1</sup> | Average<br>per month<br>percent<br>change <sup>2</sup> | Cycles averaged   | Average<br>duration<br>in<br>months <sup>1</sup> | Average<br>per month<br>percent<br>change <sup>2</sup> |  |
| .....   | March 1892.....              | —                                     | —  | 17 cycles, 1892 to date.....                                    | 48.9   | 1.2  |  |
| October 1893.....   | November 1895..              | 44                                    | 1.3  | 3 cycles, 1892 to 1903.....                                     | 45.3   | 1.0  |  |
| September 1896..  | June 1900.....               | 55                                    | 0.9  | 5 cycles, 1903 to 1920.....                                     | 39.6   | 1.2  |  |
| October 1900.....   | July 1903.....               | 37                                    | 1.0  | 5 cycles, 1920 to 1943.....                                     | 57.0   | 1.5  |  |
| December 1903...  | May 1907.....                | 46                                    | 1.1  | 4 cycles, 1948 to 1965.....                                     | 53.0   | 0.7  |  |
| May 1908.....   | March 1910.....              | 34                                    | 1.8  | 5 SPECIFIC CYCLES IN GROSS NATIONAL PRODUCT<br>(Quarterly Data) |  |  |  |
| January 1911.....   | January 1913....             | 34                                    | 0.8  |   |  |  |  |
| November 1914...  | May 1917.....                | 52                                    | 1.1  |   |  |  |  |
| March 1919.....   | January 1920....             | 32                                    | 1.3  |   |  |  |  |
| .....   | February 1920...             | —                                     | —  | Trough  | Peak   | Duration<br>in<br>months <sup>1</sup>                  | Average<br>per month<br>percent<br>change <sup>2</sup> |
| April 1921.....   | May 1923.....                | 39                                    | 2.2  | .....   | .....  | .....  | .....  |
| July 1924.....  | March 1927.....              | 46                                    | 0.9  | .....   | .....  | .....  | .....  |
| November 1927...  | July 1929.....               | 28                                    | 1.0  | .....   | .....  | .....  | .....  |
| July 1932.....  | May 1937.....                | 94                                    | 1.6  | .....   | .....  | .....  | .....  |
| May 1938.....   | November 1943..              | 78                                    | 1.7  | .....   | .....  | .....  | .....  |
| .....   | July 1948.....               | —                                     | —  | .....   | .....  | .....  | .....  |
| October 1949.....   | July 1953.....               | 60                                    | 0.8  | .....   | .....  | .....  | .....  |
| April 1954.....   | February 1957...             | 43                                    | 0.6  | .....   | .....  | .....  | .....  |
| April 1958.....   | January 1960....             | 35                                    | 1.0  | .....   | .....  | .....  | .....  |
| February 1961....   | March 1966 <sup>3</sup> .... | 74                                    | 0.6  | .....   | .....  | .....  | .....  |

<sup>1</sup> A complete cycle is measured from one peak to the next.  
<sup>2</sup> Computed without regard to sign. <sup>3</sup> Recent business cycle high; not a specific peak.  
GENERAL NOTE: This table presents measures of cyclical activity in the U.S. economy. Both cyclical duration (measured in months from peak to peak) and cyclical amplitude (the average month-to-month percentage change computed without regard to sign) are shown. The method for computing the percentage changes is explained in detail on pages 131 to 141 of *Measuring Business Cycles* by Arthur F. Burns and Wesley C. Mitchell, National Bureau of Economic Research (1947). The most recent cycle high is taken as a specific peak so that the latest cyclical activity can be included in the table.

The "17 specific cycles in industrial production since 1892:" cycles from March 1892 to January 1920, are based on the Babson index of physical volume of business activity; the cycles from February 1920 to the present are based on the Federal Reserve Index of Industrial Production. The cycle from November 1943 to July 1948 has been omitted from the table.

The "Averages of cycles in industrial production since 1892" is a composite of the 17 specific cycles showing measures of average duration and average per month rates of change for all of the 17 cycles as a group, 3 cycles from 1892 to 1903, 5 cycles from 1903 to 1920, 5 from 1920 to 1943, and the 4 from 1948 to present.

The data above are from *Business Cycle Developments Technical Paper No. 6, "The Current Expansion in Historical Perspective,"* by Julius Shiskin, U.S. Department of Commerce, Bureau of the Census. Slight changes have been made in the table entries to incorporate more recent data.

The "5 specific cycles in gross national product" measures specific cycles in quarterly GNP in constant dollars from 1929 to the present. The data for the cycle from 1929 to 1937 are in 1939 dollars and were supplied by the National Bureau of Economic Research. The data for the subsequent cycles are in 1958 dollars, as published in the *Survey of Current Business*, U.S. Department of Commerce, Office of Business Economics.





## Part III. REGIONAL AND INDUSTRY TRENDS

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Over 600 regional and industry components of aggregate output and input measures are shown in this part. These component series are presented in various summaries designed to indicate the great variety of trends underlying the national aggregates and to spotlight those industries and regions undergoing the most rapid rates of increase or decrease.

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**regional trends** Trends in the overall levels of regional activity since the late 1800's are presented in terms of population, personal income, and per capita personal income for the 9 census geographic divisions and in terms of per capita personal income for each of the 50 States. Trends in manufacturing as measured by value added, employment, and capital investment are also shown for the geographic divisions.

Personal income may be considered as a proxy for "regional GNP," since there is generally a close relationship between the output produced and personal income received by the residents of a geographic region. When using personal income as a measure of regional growth, two limitations should be considered: First, the estimates for income received may, in fact, differ somewhat from income produced by residents of the region; second, since personal income is estimated in current dollars, changes observed over time may be due to changes in the price level. Likewise, differences in personal income among the various regions may reflect regional price differences as well as differences in actual output. These limitations, how-

ever, do not nullify the usefulness of these data as indicators of past and current levels of regional economic growth.<sup>1</sup>

Measures of value added, employment, and new capital expenditures in manufacturing, derived from the census of manufactures and the annual survey of manufactures, and various ratios computed from them provide approximate measures of growth in regional industrial capacity. The ratio of value-added to employment, for example, is a crude approximation to output per employee, while the ratio of manufacturing employment to total population may be considered to measure roughly the degree of industrialization in a region. Similarly, the ratio of new capital expenditures to value added by manufacture indicates in broad terms the relationship between capital investment and regional growth of industrial output. Two limitations of the measures of regional manufacturing activity presented in this section are that no account is taken of the differences in industrial structure which exist among the geographic divisions and that the value-added and capital-expenditure data are in current dollars.

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**industry trends** This section shows first the shifts in importance, since 1869, among the various industry sectors, such as agriculture, manufacturing, and services. The significance of each industry division, relative to the total economy, is presented in terms of current-dollar national income data and employment data. The national income data measure the income originating in each industry division, while the employment series show, on a roughly comparable basis, the number of persons engaged in producing goods

and services in each division.

Two supplementary analyses of these industry sectors are also presented. One compares the percentage changes in national income originating in the major components within each industry division. The other shows the growth of each industry division as measured in constant dollar GNP data during the post-World War II period, the period for which the constant dollar data are available.

In the first supplementary analysis, the per-

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<sup>1</sup> Some recent studies of these limitations have been made. George Borts estimated income produced by States for the years 1929 and 1953. He found that his estimate differed from the income-received data by almost as much as 10 percent, in some census geographic divisions, due mostly to entrepreneurial income which arose from production in one region which was received by residents of another region. Dr. Borts concluded that these regional differences are relatively stable, however, and have little effect upon comparisons of long-term trends. His study also suggested that regional differ-

ences in income produced were smaller than those in income received. Richard Easterlin, after considering the extent to which regional price differences exist, stated tentatively that fragmentary evidence suggests that corrections for interstate price levels would reduce differences between States, but not enough to alter the basic pattern discerned in the data. In a recent study (at OBE) of disposable personal income by States in current and constant dollars, it was found that there have been few differences in regional price movements since 1929. See the source references in appendix 2 for more details.

centage changes are computed for the period 1929 to the 1948–53 business cycle average and from the 1948–53 average to the average of the current period, 1960–65. Thus, for example, within the transportation division, the post-World War II increase in trucking may be compared with that for the 1929 to 1948–53 period or the increase in trucking may be compared with that for railroads or airlines.

In the second supplementary analysis, the growth rate for each industry division, from the 1948–53 business cycle average level to the 1957–60 business cycle average, is compared with the growth from the 1957–60 average to the average of the current period, 1960–65. (These constant-dollar GNP series have not been revised to reflect the definitional and statistical revisions introduced by OBE in 1965.)

Part III concludes with various summaries of the trends within the manufacturing sector. Manufacturing represented about 20 percent of the total U.S. economy in the early 1900's and constitutes about 30 percent today. Analysis of its growth characteristics is frequently considered to be of more importance than the 20 to 30 percent weight might suggest.

Historical trends are presented for 19 of the major industry groups<sup>2</sup> comprising the manufacturing sector of the economy. Value added by manufacture in current dollars, compiled in the census of manufactures, is used to approximate, roughly, the national income or share of national output originating in each industry group, relative to all manufacturing, for selected years since 1899. To analyze trends in actual physical output of these industry groups, growth rates of the Federal Reserve indexes of produc-

tion computed from the average for the 1923–26 business cycle to the 1948–53 business cycle are compared with those computed from the 1948–53 business cycle to the current period (1960–65). The post-World War II period is considered in more detail by comparing growth rates computed from the 1948–53 business cycle to the 1957–60 business cycle with that from 1957–60 to the current period (1960–65).

To spotlight industries which have been growing rapidly or slowly during the post-World War II period, a presentation at finer levels of industry detail than the major groups is included. Growth rates are shown, for the periods 1948–53 to 1957–60 and 1957–60 to 1960–65, for 125 of the 190 components of the Federal Reserve manufacturing index of physical output; similarly, percentage changes are shown for 237 of the 425 manufacturing industries for which Census current-dollar value-added data are available.

The coverage of manufacturing industries in this report is not complete for the entire period under study. This is due partly to numerous changes in the industrial classification system for manufacturing over the years, which made earlier data for particular industries noncomparable with later figures. It is also due to changes in the scope of the census of manufactures in certain years. Also, rapidly expanding industries, such as electronic equipment, guided missiles, plastic products, etc., were not covered adequately in earlier census years, because of the difficulties inherent in identifying and obtaining data on such new industries as they emerged in the economy.<sup>3</sup>

## computation of business cycle averages

The business cycle averages used in this part are determined by computing the average from one NBER reference peak to the next, assigning half weight to each peak value. This results in a smoothed series with one "representative" value per business cycle. (Similar averages can be taken from reference trough to reference trough, but they are not used in this report.) The NBER dates of peaks and troughs of business cycles in the United States, 1834 to 1965 (NBER Annual Calendar Year Reference Cycle Dates) are as follows:

| Trough | Peak | Trough | Peak |
|--------|------|--------|------|
| 1834   | 1836 | 1900   | 1903 |
| 1838   | 1839 | 1904   | 1907 |
| 1843   | 1845 | 1908   | 1910 |
| 1846   | 1847 | 1911   | 1913 |
| 1848   | 1853 | 1914   | 1918 |
| 1855   | 1856 | 1919   | 1920 |
| 1858   | 1860 | 1921   | 1923 |
| 1861   | 1864 | 1924   | 1926 |
| 1867   | 1869 | 1927   | 1929 |
| 1870   | 1873 | 1932   | 1937 |
| 1878   | 1882 | 1938   | 1944 |
| 1885   | 1887 | 1946   | 1948 |
| 1888   | 1890 | 1949   | 1953 |
| 1891   | 1892 | 1954   | 1957 |
| 1894   | 1895 | 1958   | 1960 |
| 1896   | 1899 | 1961   |      |

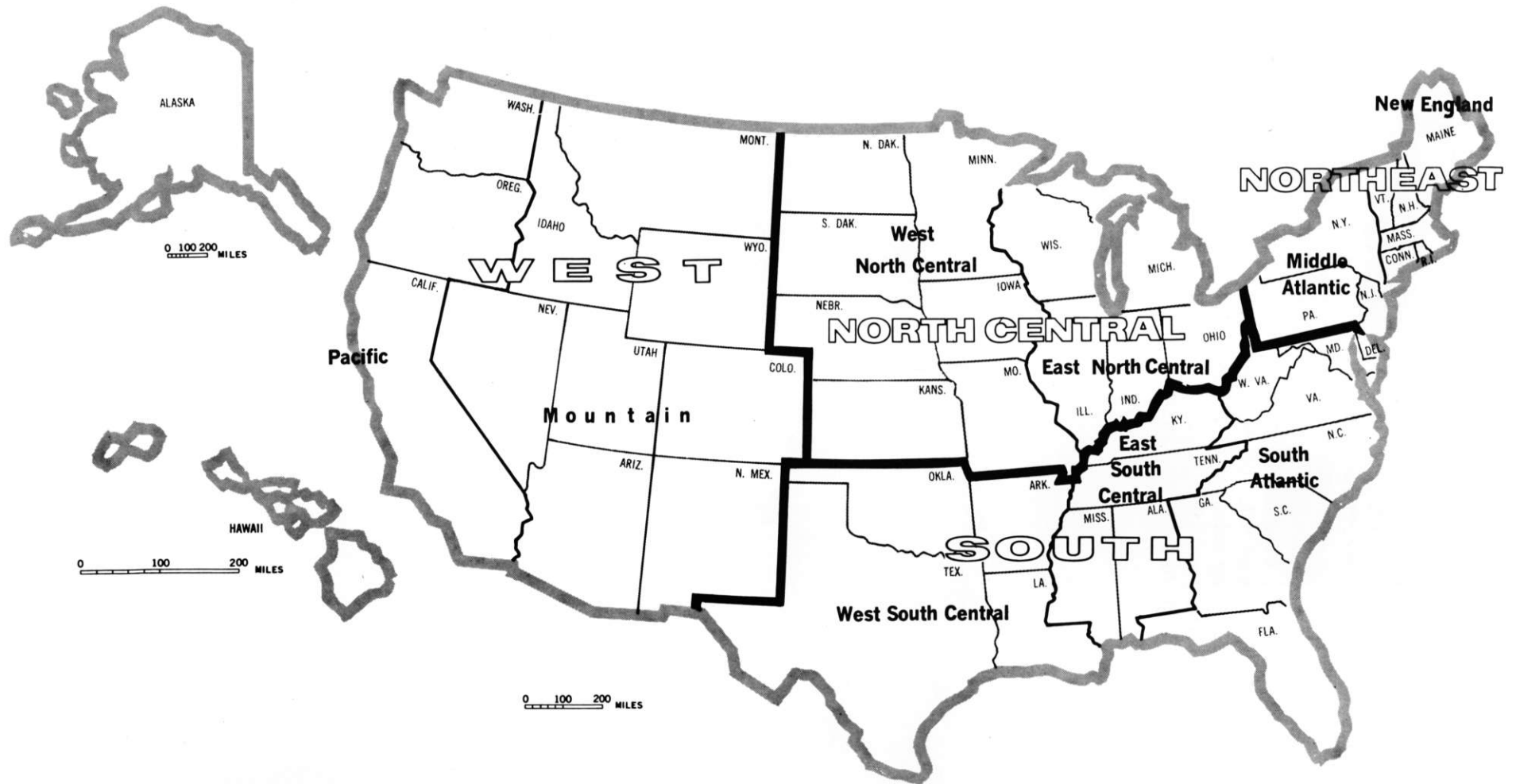
<sup>2</sup> The groups are the 2-digit Standard Industrial Classification (SIC) groups as defined in the *Standard Industrial Classification Manual*, Executive Office of the President, Bureau of the Budget (1957 and Supplement). They are groups such as food, apparel, and fabricated metals.

<sup>3</sup> For another analysis of rapidly and slowly growing activi-

ties, see Francis Hirt, "Patterns of Output Growth," in the September 1964 *Survey of Current Business*. In this article, growth rates in the output of specific products and services, rather than industry growth rates, as in this report, are compared. Hirt's analysis also includes series from industry sectors other than manufacturing.

In some instances, data are not available annually and this averaging procedure cannot be followed exactly. In such instances, a different grouping of years is selected as being more appropriate to average. Also, comparisons based on the current cycle, 1960 to date, are shown even though they are not based upon a complete business cycle. In each case, the years which are averaged are shown on the charts and table stubs. Averages designated "1948-53" signify that the annual data for the years 1948 through 1953 were averaged by assigning full weights for the years 1949 through 1952 and only half weights to 1948 and 1953.

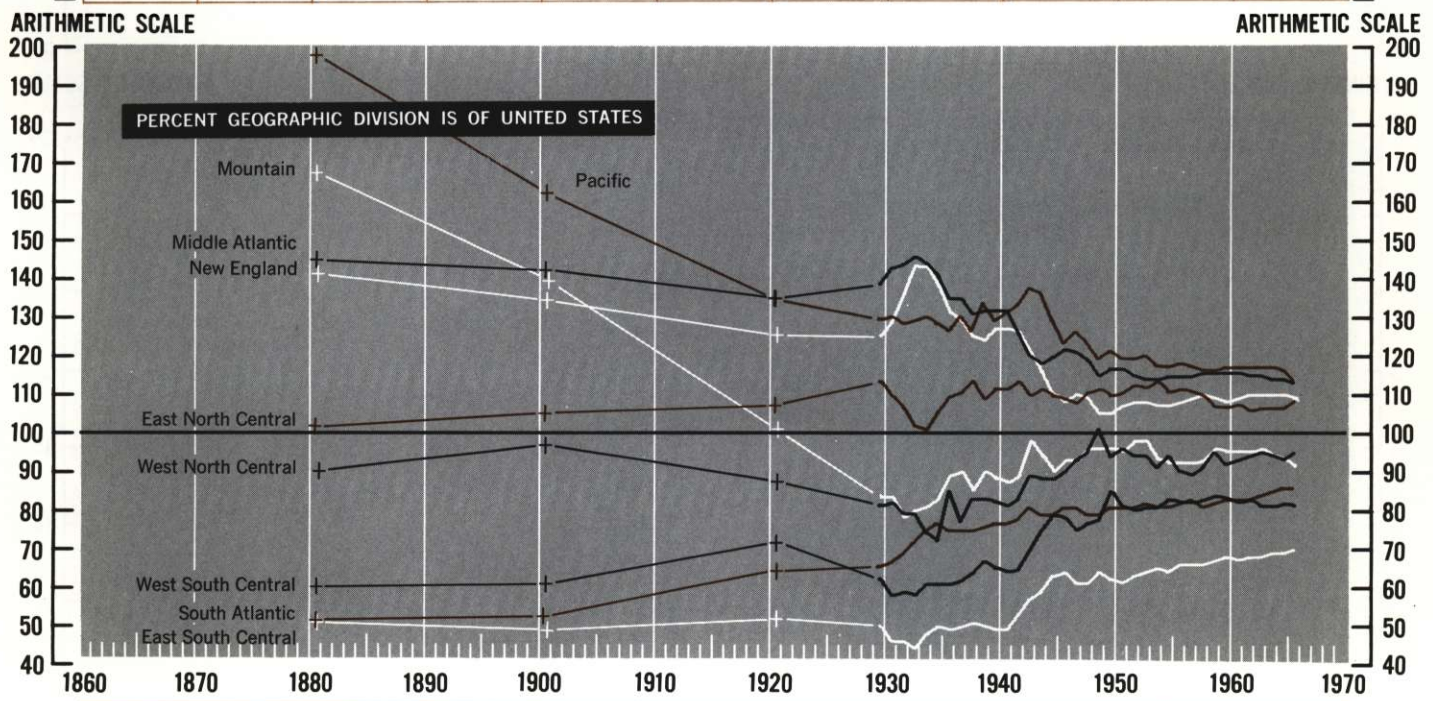
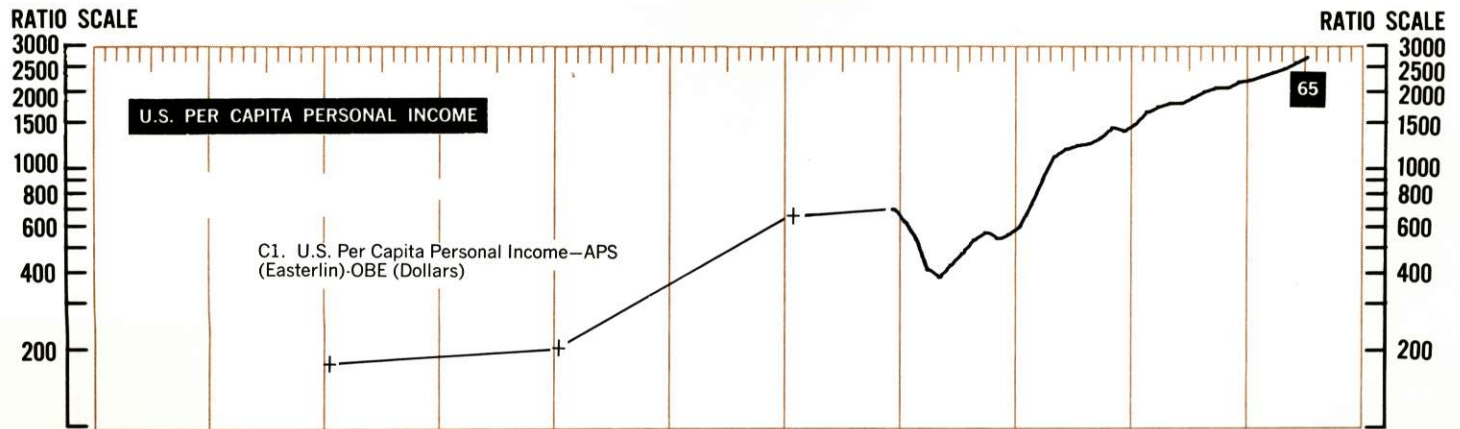
# CENSUS GEOGRAPHIC REGIONS AND DIVISIONS OF THE UNITED STATES



U.S. DEPARTMENT OF COMMERCE  
BUREAU OF THE CENSUS



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **9.** Income and population for the United States and geographic areas  
 part **A.** Per capita personal income



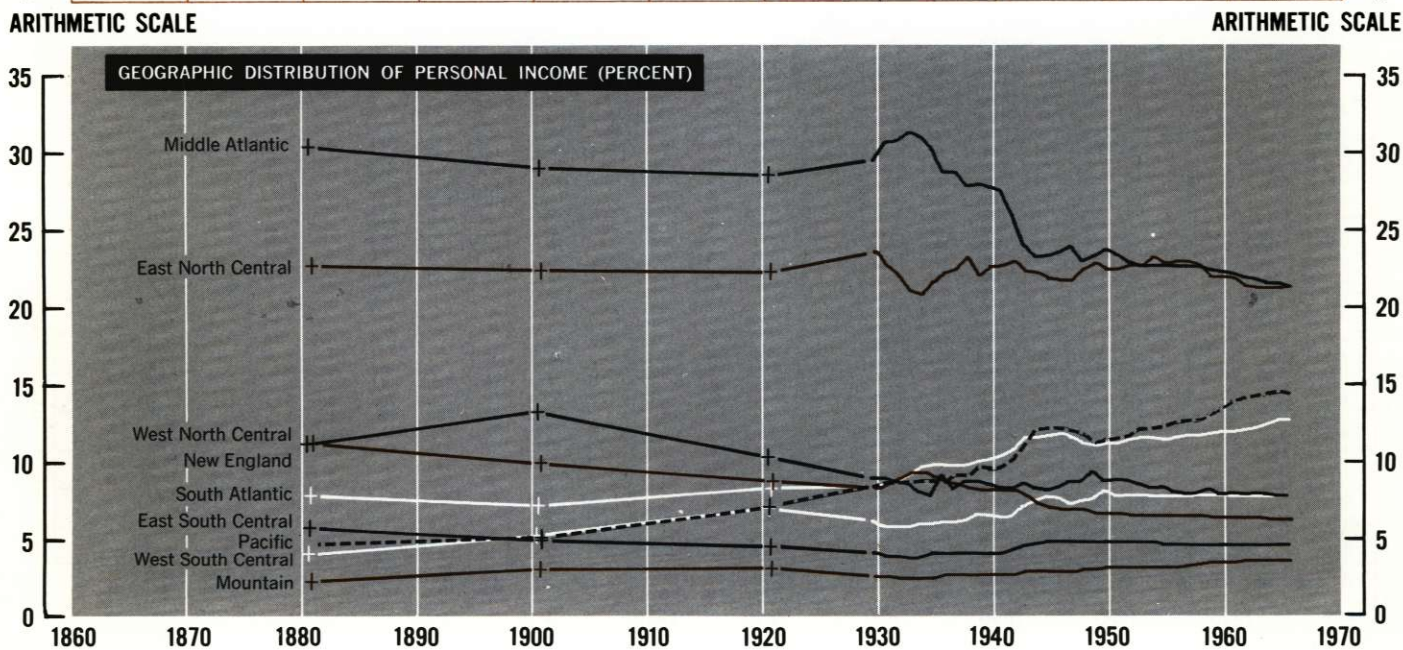
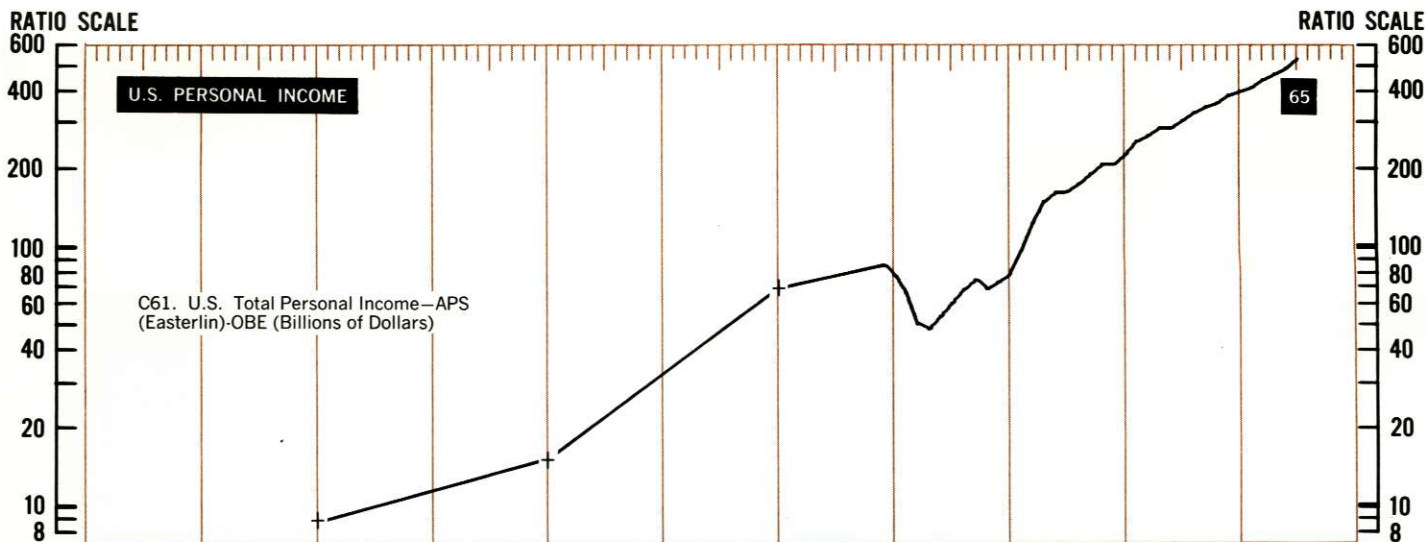
| Year or Cycle        | United States (current dollars) | Percent geographic division is of United States |                 |                    |                    |                |                    |                    |          |         |
|----------------------|---------------------------------|---|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |                                 | New England                                     | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1880                 | \$ 174                          | 141   | 146             | 102                | 90                 | 52             | 52                 | 60                 | 168      | 205     |
| 1900                 | 202                             | 135   | 143             | 107                | 98                 | 51             | 50                 | 61                 | 140      | 163     |
| 1919-21 <sup>1</sup> | 650                             | 125   | 136             | 109                | 87                 | 64             | 53                 | 72                 | 101      | 136     |
| 1929                 | 703                             | 125   | 139             | 114                | 81                 | 66             | 50                 | 62                 | 83       | 130     |
| 1929-37              | 500                             | 133   | 140             | 108                | 79                 | 72             | 48                 | 60                 | 84       | 129     |
| 1937-44              | 756                             | 121   | 125             | 112                | 85                 | 78             | 55                 | 70                 | 91       | 134     |
| 1944-48              | 1,278                           | 109   | 120             | 110                | 93                 | 80             | 62                 | 77                 | 94       | 125     |
| 1948-53              | 1,576                           | 107   | 116             | 112                | 95                 | 81             | 63                 | 81                 | 96       | 120     |
| 1953-57              | 1,890                           | 108   | 115             | 112                | 91                 | 82             | 66                 | 82                 | 92       | 118     |
| 1957-60              | 2,120                           | 109   | 116             | 108                | 93                 | 82             | 67                 | 83                 | 95       | 118     |
| 1960-65 <sup>1</sup> | 2,425                           | 110   | 115             | 107                | 94                 | 85             | 69                 | 82                 | 94       | 117     |
| 1965                 | 2,724                           | 109   | 113             | 109                | 95                 | 86             | 70                 | 81                 | 91       | 114     |

<sup>1</sup> Period does not cover a complete business cycle.

See series C1 to C10 in appendix 2 for sources and in appendix 3 for basic data. From 1929 to 1965, data are annual. Before 1929, data are available for 1880, 1900, and an average for the period 1919 to 1921.



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **9.** Income and population for the United States and geographic areas—continued  
 part **B.** Personal income



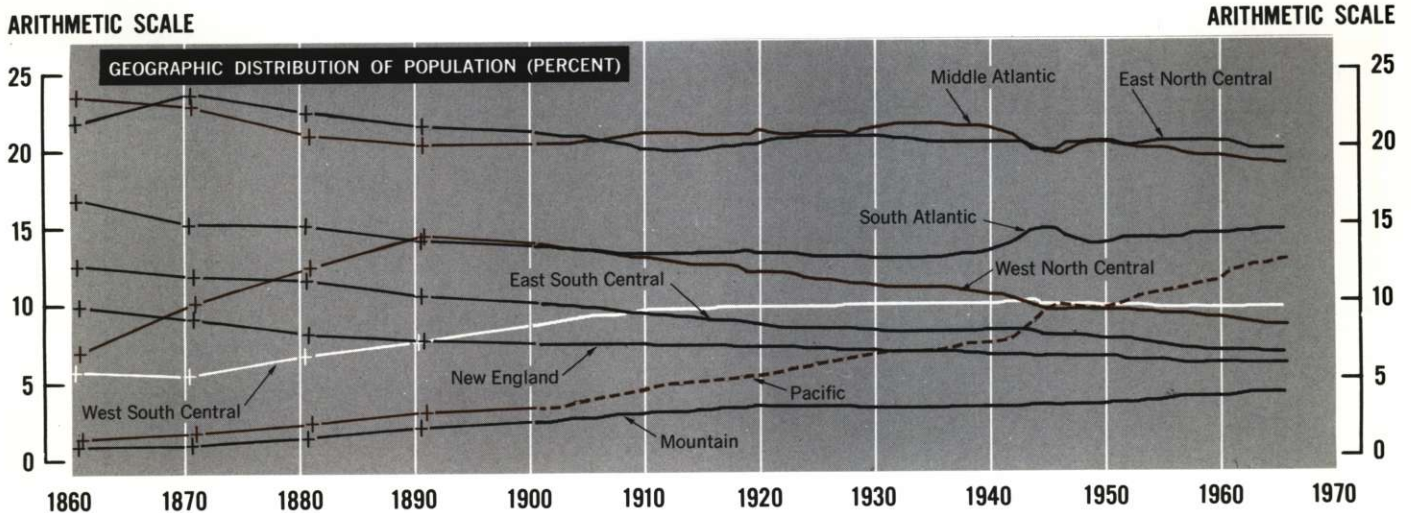
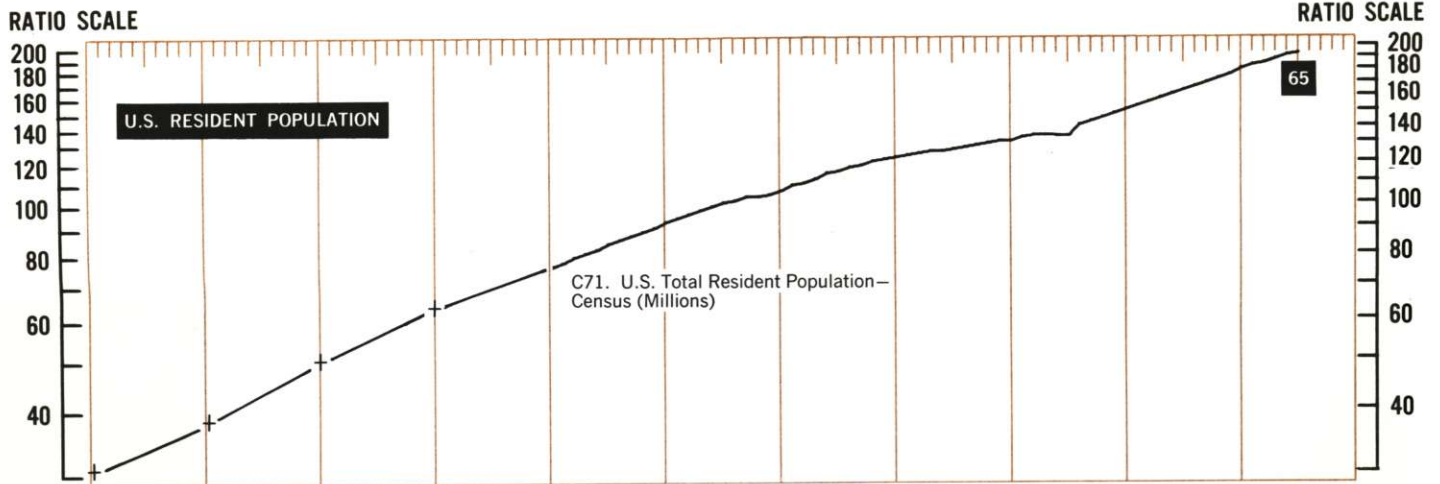
| Year or Cycle        | United States (millions of current dollars) | Geographic distribution of personal income (percent) |                 |                    |                    |                |                    |                    |          |         |
|----------------------|---|--|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |   | New England  | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1880                 | \$ 8,740                                    | 11.3   | 30.4            | 22.8               | 11.1               | 7.9            | 5.7                | 4.0                | 2.2      | 4.6     |
| 1900                 | 15,390                                      | 9.9  | 29.0            | 22.4               | 13.3               | 7.1            | 4.9                | 5.2                | 3.1      | 5.2     |
| 1919-21 <sup>1</sup> | 69,277                                      | 8.7  | 28.5            | 22.2               | 10.3               | 8.4            | 4.4                | 7.0                | 3.2      | 7.3     |
| 1929                 | 85,661                                      | 8.3  | 29.6            | 23.6               | 8.9                | 8.5            | 4.0                | 6.1                | 2.5      | 8.5     |
| 1929-37              | 62,650                                      | 8.8  | 30.0            | 22.1               | 8.5                | 9.3            | 3.9                | 6.0                | 2.5      | 8.8     |
| 1937-44              | 100,492                                     | 7.8  | 25.4            | 22.4               | 8.4                | 11.0           | 4.4                | 6.9                | 2.9      | 10.8    |
| 1944-48              | 178,465                                     | 6.9  | 23.7            | 22.1               | 8.7                | 11.4           | 4.8                | 7.5                | 3.0      | 11.9    |
| 1948-53              | 240,435                                     | 6.6  | 23.1            | 22.7               | 8.7                | 11.4           | 4.7                | 7.9                | 3.2      | 11.8    |
| 1953-57              | 310,828                                     | 6.5  | 22.7            | 22.9               | 8.1                | 11.6           | 4.6                | 7.8                | 3.3      | 12.6    |
| 1957-60              | 371,010                                     | 6.4  | 22.3            | 22.0               | 8.1                | 11.9           | 4.5                | 7.9                | 3.6      | 13.3    |
| 1960-65 <sup>1</sup> | 454,542                                     | 6.4  | 21.7            | 21.2               | 7.9                | 12.4           | 4.6                | 7.8                | 3.7      | 14.4    |
| 1965                 | 527,890                                     | 6.3  | 21.2            | 21.4               | 7.8                | 12.8           | 4.6                | 7.8                | 3.6      | 14.4    |

<sup>1</sup> Period does not cover a complete business cycle.

See series C61 to C70 in appendix 2 for sources and in appendix 3 for basic data. From 1929 to 1965, data are annual. Before 1929, data are available only for 1880, 1900, and an average for the period 1919 to 1921.



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **9.** Income and population for the United States and geographic areas—continued  
 part **C.** Resident population



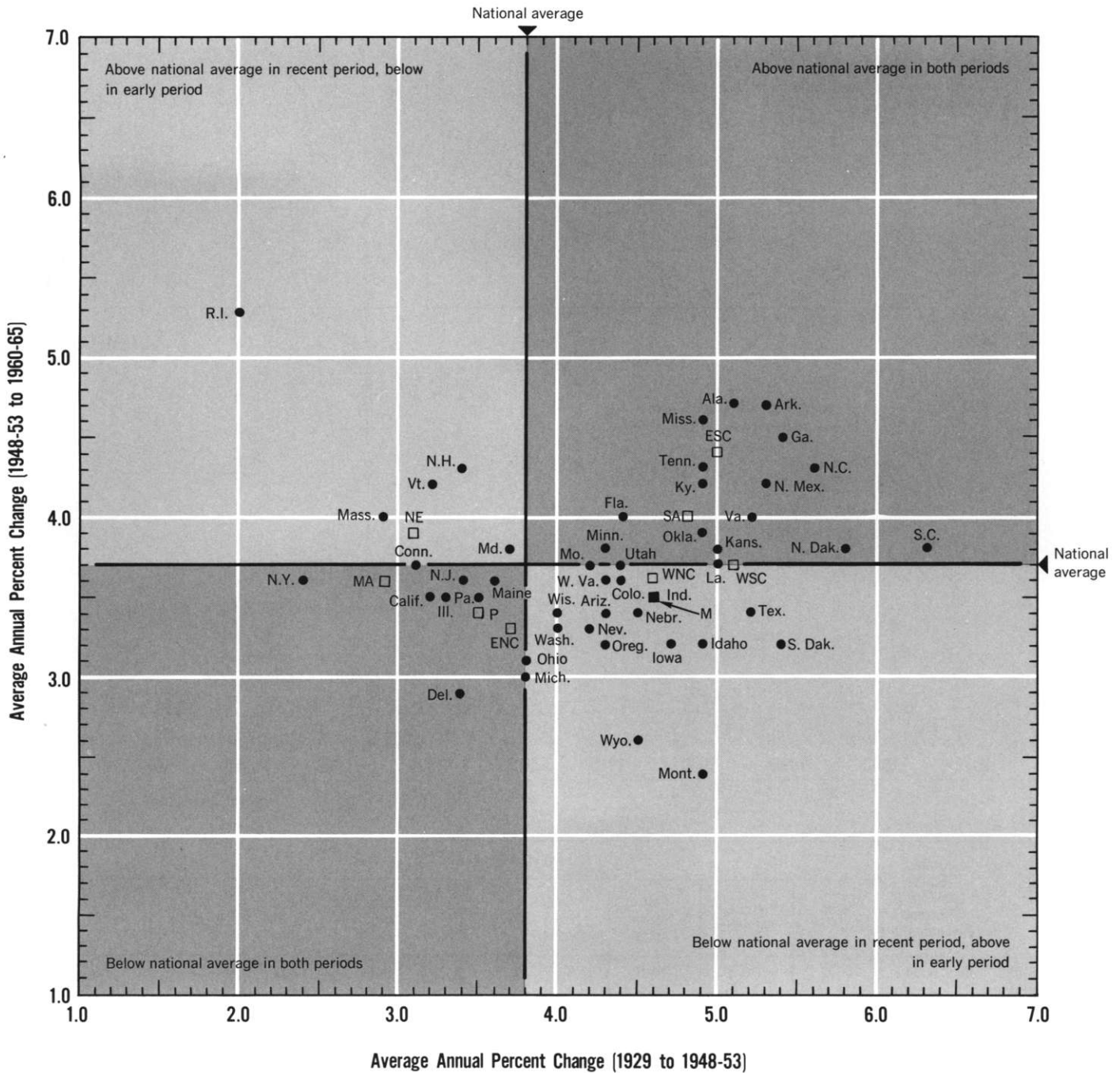
| Year or Cycle        | United States (thousands of persons) | Geographic distribution of population (percent) |                 |                    |                    |                |                    |                    |          |         |
|----------------------|--------------------------------------|---|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |                                      | New England                                     | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1860                 | 31,443                               | 10.0  | 23.7            | 22.0               | 6.9                | 17.1           | 12.8               | 5.6                | 0.6      | 1.4     |
| 1870                 | 38,558                               | 9.0   | 22.9            | 23.7               | 10.0               | 15.2           | 11.4               | 5.3                | 0.8      | 1.8     |
| 1880                 | 50,156                               | 8.0   | 20.9            | 22.3               | 12.3               | 15.1           | 11.1               | 6.6                | 1.3      | 2.2     |
| 1890                 | 62,948                               | 7.5   | 20.2            | 21.4               | 14.2               | 14.1           | 10.2               | 7.5                | 1.9      | 3.0     |
| 1900                 | 76,094                               | 7.3   | 20.3            | 21.0               | 13.6               | 13.7           | 9.9                | 8.6                | 2.2      | 3.2     |
| 1910                 | 92,407                               | 7.1   | 21.0            | 19.9               | 12.6               | 13.3           | 9.1                | 9.6                | 2.9      | 4.6     |
| 1919-21 <sup>1</sup> | 106,506                              | 7.0   | 20.9            | 20.4               | 11.8               | 13.2           | 8.4                | 9.7                | 3.1      | 5.4     |
| 1929                 | 121,770                              | 6.7   | 21.3            | 20.7               | 10.9               | 12.9           | 8.1                | 9.9                | 3.0      | 6.6     |
| 1929-37              | 125,564                              | 6.6   | 21.4            | 20.4               | 10.8               | 12.8           | 8.1                | 10.1               | 3.0      | 6.8     |
| 1937-44              | 132,413                              | 6.4   | 20.5            | 20.1               | 10.0               | 13.9           | 8.1                | 10.0               | 3.1      | 7.8     |
| 1944-48              | 139,444                              | 6.3   | 19.8            | 20.1               | 9.3                | 14.3           | 7.7                | 9.7                | 3.2      | 9.5     |
| 1948-53              | 152,213                              | 6.1   | 20.0            | 20.3               | 9.2                | 14.1           | 7.5                | 9.7                | 3.4      | 9.8     |
| 1953-57              | 164,271                              | 6.0   | 19.7            | 20.5               | 8.9                | 14.2           | 7.0                | 9.5                | 3.6      | 10.6    |
| 1957-60              | 174,930                              | 5.9   | 19.3            | 20.4               | 8.6                | 14.5           | 6.7                | 9.5                | 3.8      | 11.3    |
| 1960-65 <sup>1</sup> | 187,176                              | 5.8   | 18.9            | 19.8               | 8.4                | 14.7           | 6.7                | 9.5                | 4.0      | 12.3    |
| 1965                 | 193,818                              | 5.7   | 18.8            | 19.7               | 8.2                | 14.8           | 6.6                | 9.6                | 4.0      | 12.6    |

<sup>1</sup> Period does not cover a complete business cycle.

See series C71 to C80 in appendix 2 for sources and in appendix 3 for basic data.



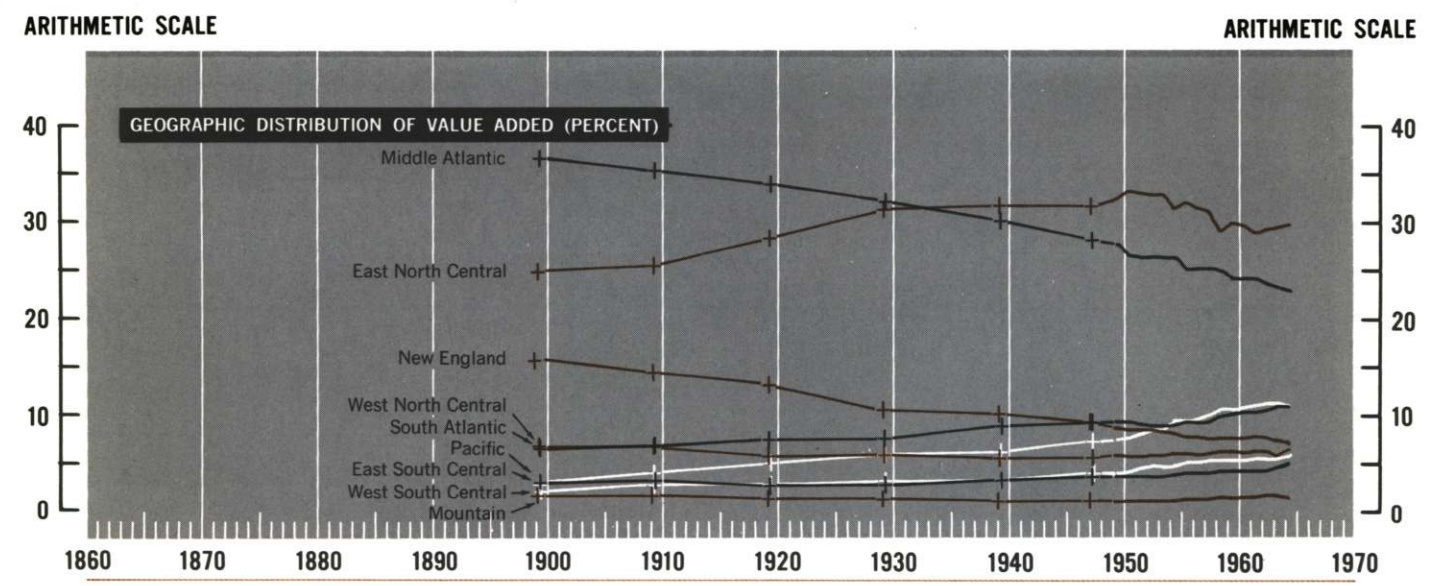
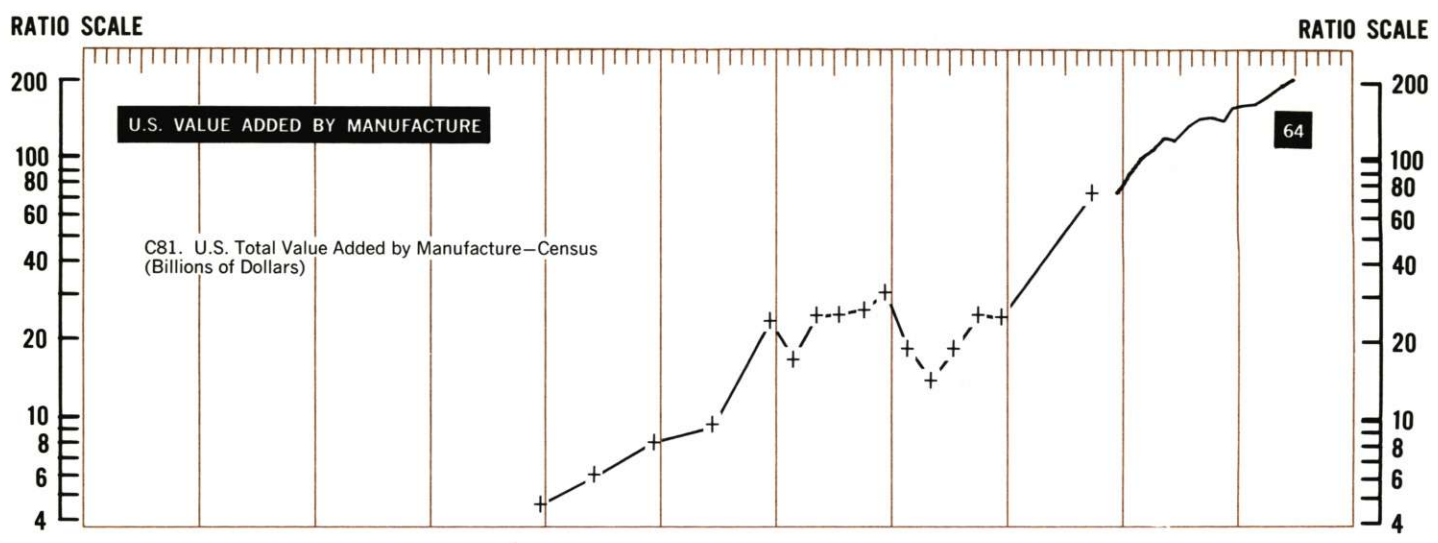
part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **9.** Income and population for the United States and geographic areas—continued  
 part **D.** Average annual percent change of per capita personal income—continued  
 (1929 to 1948-53 compared with 1948-53 to 1960-65)



● Indicates states    □ Indicates geographic divisions    See series C1 to C60 in appendix 2 for sources and in appendix 3 for basic data.



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **10.** Manufacturing value added and employment for the United States and geographic divisions  
 part **A.** Value added by manufacture



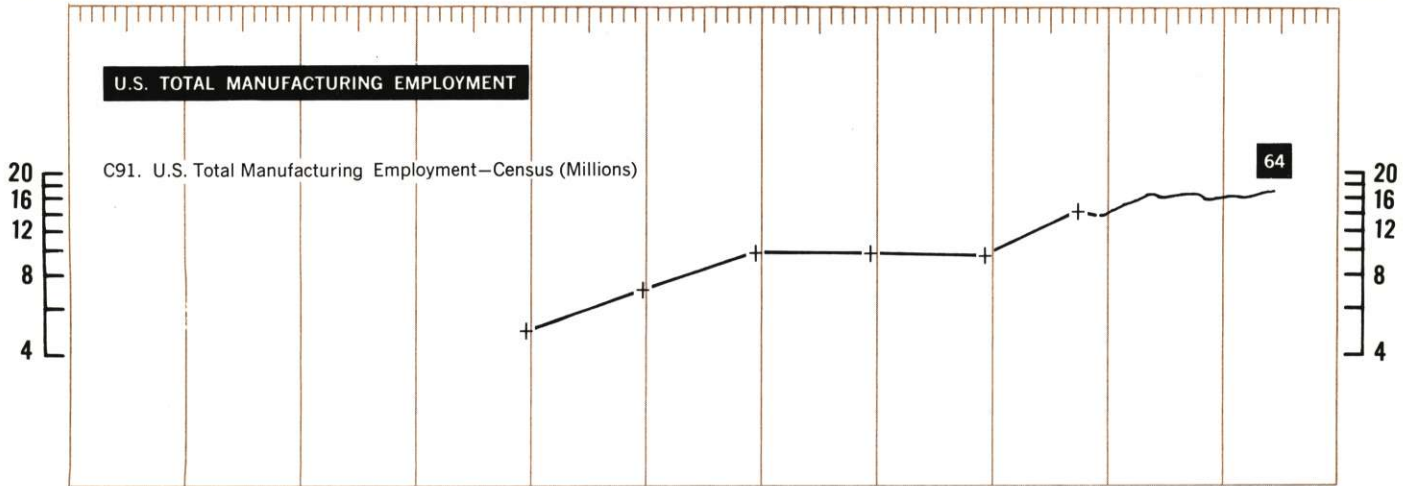
| Year or Cycle        | United States (millions of current dollars) | Percent distribution of U.S. total |                 |                    |                    |                |                    |                    |          |         |
|----------------------|---|------------------------------------|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |   | New England                        | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1899                 | \$ 4,647                                    | 15.7                               | 36.5            | 24.9               | 6.7                | 6.5            | 3.1                | 2.0                | 1.6      | 2.9     |
| 1909                 | 8,160                                       | 14.0                               | 35.0            | 25.5               | 6.6                | 6.9            | 3.4                | 2.8                | 1.6      | 4.1     |
| 1919                 | 23,842                                      | 12.9                               | 33.7            | 28.5               | 5.6                | 7.4            | 2.7                | 2.9                | 1.2      | 5.1     |
| 1929                 | 30,591                                      | 10.2                               | 31.9            | 31.3               | 5.9                | 7.7            | 2.9                | 3.0                | 1.2      | 6.0     |
| 1939                 | 24,487                                      | 10.0                               | 30.2            | 30.8               | 5.6                | 9.2            | 3.4                | 3.4                | 1.1      | 6.4     |
| 1947                 | 74,290                                      | 9.1                                | 27.9            | 31.6               | 5.5                | 9.3            | 3.9                | 4.1                | 1.1      | 7.5     |
| 1949-53 <sup>1</sup> | 99,878                                      | 8.3                                | 26.3            | 32.8               | 5.7                | 9.1            | 3.8                | 4.6                | 1.2      | 8.3     |
| 1953-57              | 132,928                                     | 7.6                                | 25.3            | 31.6               | 6.0                | 9.3            | 4.1                | 5.1                | 1.4      | 9.7     |
| 1957-60              | 152,912                                     | 7.4                                | 24.4            | 29.7               | 6.2                | 10.1           | 4.4                | 5.4                | 1.6      | 10.9    |
| 1960-64 <sup>1</sup> | 180,091                                     | 7.4                                | 23.2            | 29.2               | 6.1                | 10.8           | 4.6                | 5.6                | 1.8      | 11.3    |
| 1964                 | 205,963                                     | 7.0                                | 22.3            | 29.5               | 6.3                | 11.1           | 4.9                | 5.9                | 1.7      | 11.3    |

<sup>1</sup> Period does not cover a complete business cycle.  
 See series C81 to C90 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **10.** Manufacturing value added and employment for the United States and geographic divisions—continued  
 part **B.** Manufacturing employment

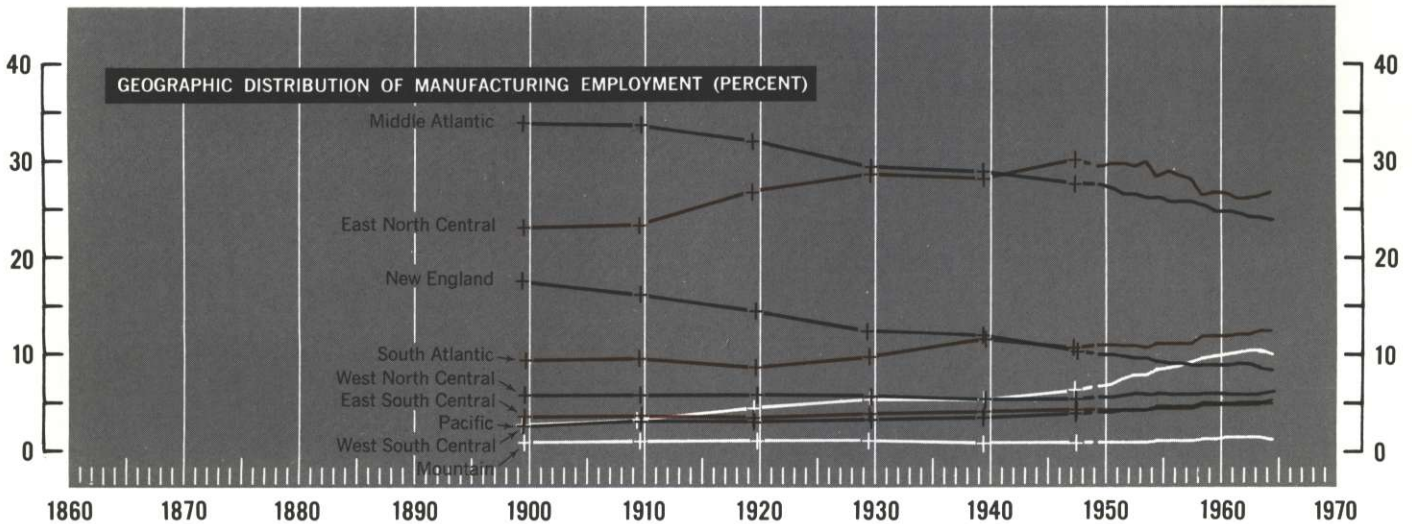
RATIO SCALE

RATIO SCALE



ARITHMETIC SCALE

ARITHMETIC SCALE



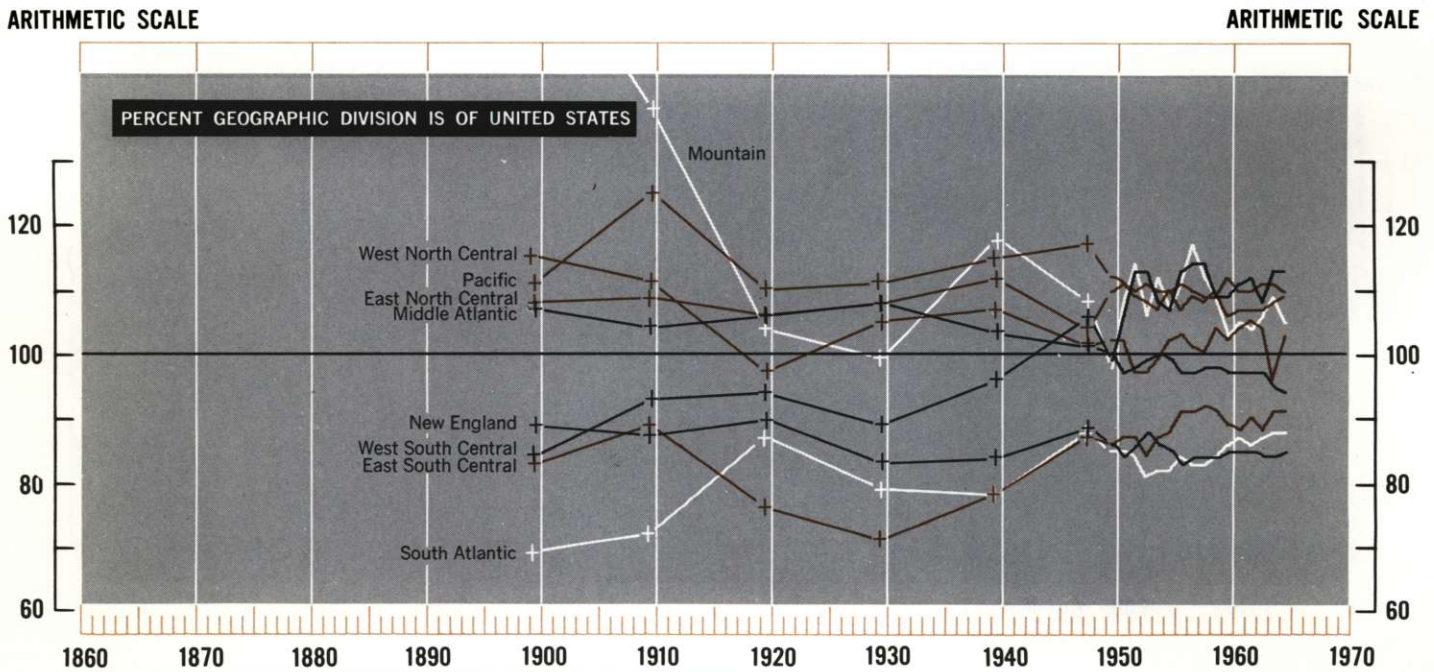
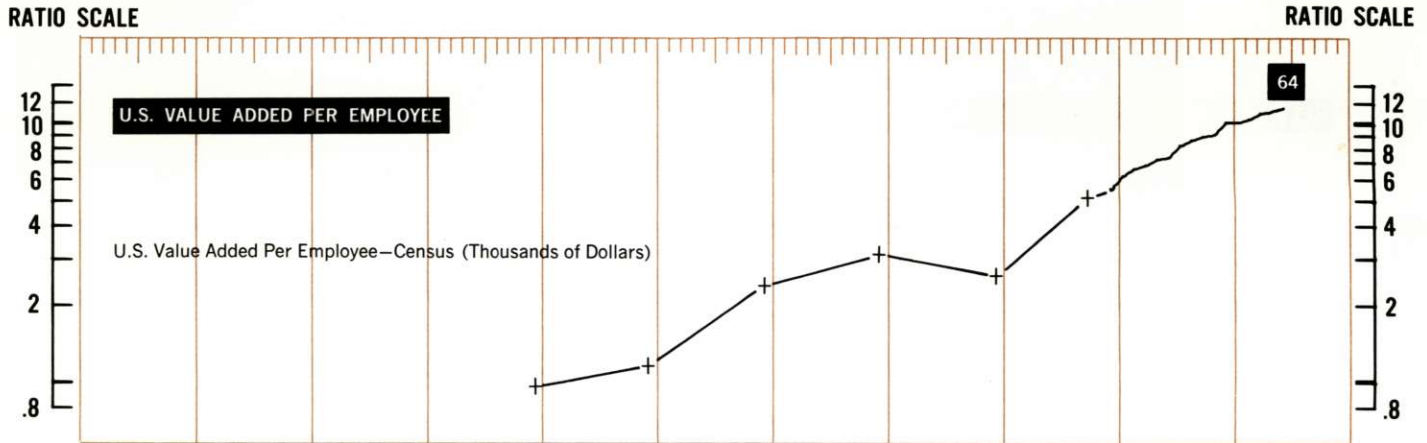
| Year or Cycle        | United States (thousands of persons) | Percent distribution of U.S. total |                 |                    |                    |                |                    |                    |          |         |
|----------------------|--------------------------------------|------------------------------------|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |                                      | New England                        | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1899                 | 4,850                                | 17.7                               | 34.1            | 23.2               | 5.8                | 9.5            | 3.7                | 2.4                | .9       | 2.6     |
| 1909                 | 7,012                                | 16.0                               | 33.6            | 23.4               | 5.9                | 9.7            | 3.9                | 3.1                | 1.1      | 3.3     |
| 1919                 | 9,837                                | 14.4                               | 32.0            | 27.0               | 5.8                | 8.6            | 3.5                | 3.1                | 1.2      | 4.6     |
| 1929                 | 9,660                                | 12.2                               | 29.4            | 28.9               | 5.6                | 9.8            | 4.1                | 3.3                | 1.2      | 5.5     |
| 1939                 | 9,527                                | 11.8                               | 28.9            | 28.3               | 5.2                | 11.7           | 4.3                | 3.5                | .9       | 5.5     |
| 1947                 | 14,294                               | 10.3                               | 27.6            | 30.2               | 5.5                | 10.7           | 4.4                | 3.9                | 1.0      | 6.4     |
| 1949-53 <sup>1</sup> | 15,160                               | 9.6                                | 26.7            | 29.8               | 5.8                | 10.9           | 4.4                | 4.2                | 1.1      | 7.6     |
| 1953-57              | 16,333                               | 9.0                                | 25.9            | 28.8               | 5.9                | 11.2           | 4.6                | 4.6                | 1.2      | 8.9     |
| 1957-60              | 15,938                               | 8.8                                | 25.1            | 26.9               | 6.0                | 11.9           | 4.9                | 4.9                | 1.5      | 10.0    |
| 1960-64 <sup>1</sup> | 16,396                               | 8.7                                | 24.2            | 26.4               | 6.0                | 12.4           | 5.2                | 5.0                | 1.7      | 10.5    |
| 1964                 | 17,280                               | 8.2                                | 23.7            | 26.8               | 6.1                | 12.6           | 5.3                | 5.3                | 1.6      | 10.3    |

<sup>1</sup> Period does not cover a complete business cycle.

See series C91 to C100 in appendix 2 for sources and in appendix 3 for basic data.



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **10.** Manufacturing value added and employment for the United States and geographic divisions—continued  
 part **C.** Value added per employee



| Year or Cycle        | United States (current dollars) | Percent geographic division is of United States |                 |                    |                    |                |                    |                    |          |         |
|----------------------|---------------------------------|---|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |                                 | New England                                     | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1899                 | \$ 958                          | 89  | 107             | 108                | 115                | 69             | 83                 | 85                 | 166      | 111     |
| 1909                 | 1,164                           | 87  | 104             | 109                | 111                | 72             | 89                 | 93                 | 138      | 125     |
| 1919                 | 2,424                           | 90  | 106             | 106                | 97                 | 87             | 76                 | 94                 | 104      | 110     |
| 1929                 | 3,167                           | 83  | 108             | 108                | 106                | 79             | 71                 | 89                 | 99       | 111     |
| 1939                 | 2,570                           | 85  | 104             | 112                | 107                | 78             | 78                 | 96                 | 118      | 115     |
| 1947                 | 5,197                           | 89  | 101             | 104                | 101                | 88             | 87                 | 106                | 108      | 117     |
| 1949-53 <sup>1</sup> | 6,588                           | 86  | 98              | 110                | 99                 | 83             | 86                 | 109                | 109      | 109     |
| 1943-57              | 8,139                           | 84  | 98              | 110                | 101                | 83             | 90                 | 112                | 112      | 108     |
| 1957-60              | 9,594                           | 84  | 97              | 110                | 103                | 85             | 90                 | 110                | 107      | 109     |
| 1960-64 <sup>1</sup> | 10,984                          | 84  | 96              | 110                | 102                | 87             | 89                 | 111                | 106      | 107     |
| 1964                 | 11,919                          | 85  | 94              | 110                | 103                | 88             | 91                 | 113                | 104      | 110     |

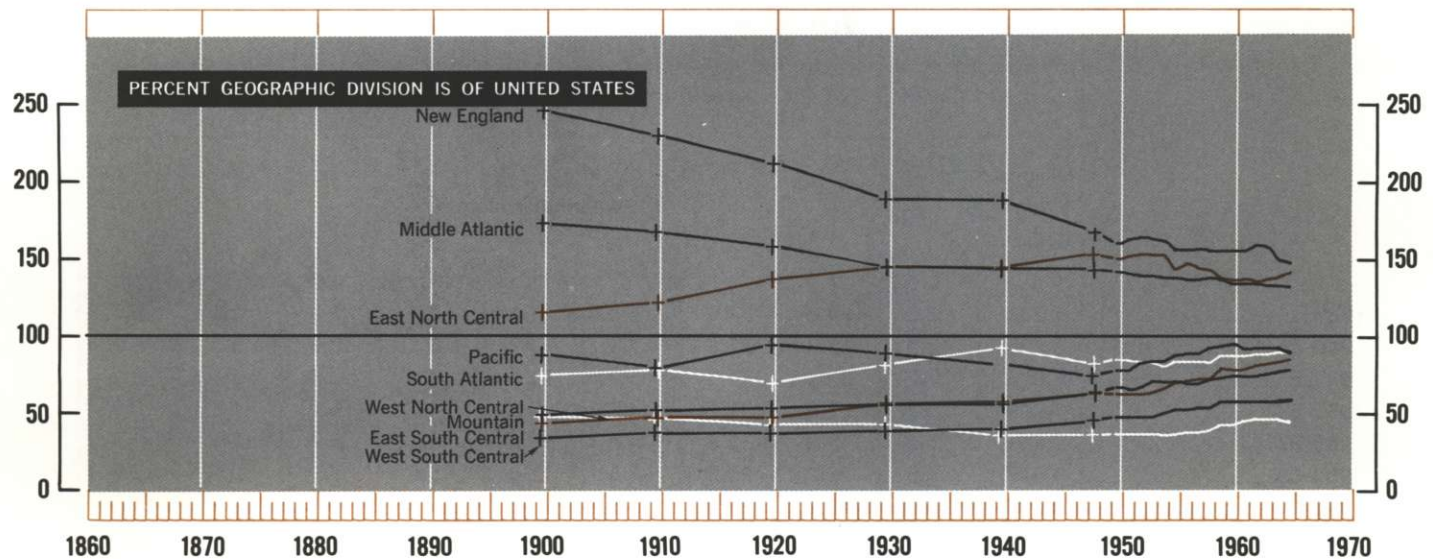
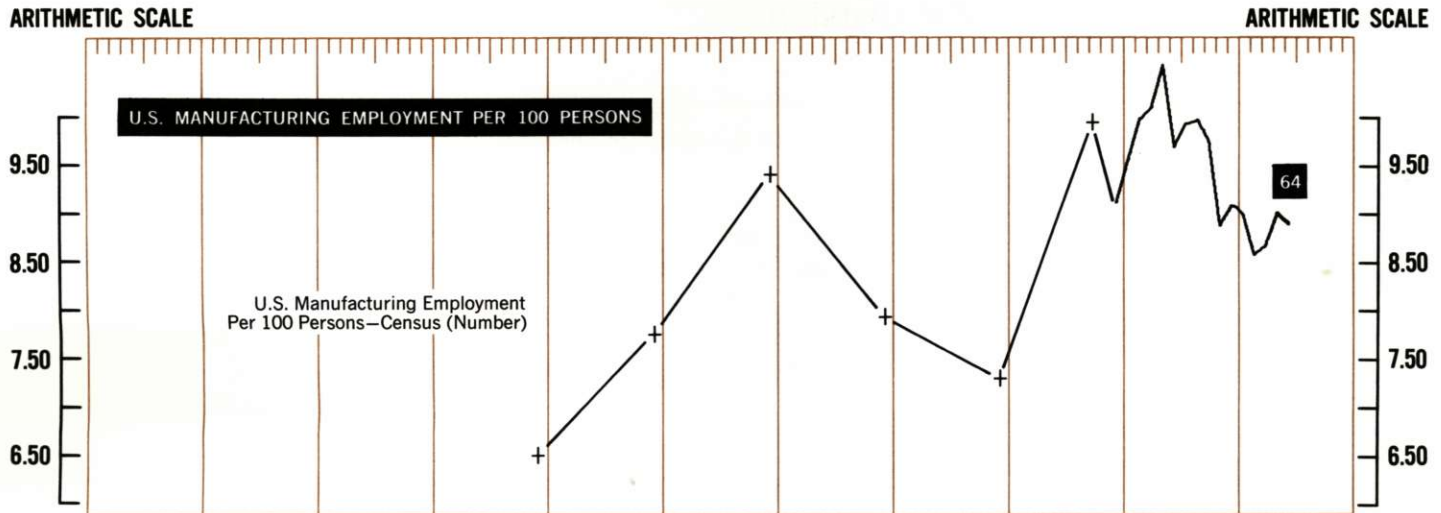
<sup>1</sup> Period does not cover a complete business cycle.

See series C81 to C90 and C91 to C100 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS

chart **10.** Manufacturing value added and employment for the United States and geographic divisions—continued

part **D.** Manufacturing employment per 100 persons



| Year or Cycle        | United States (persons) | Percent geographic division is of United States |                 |                    |                    |                |                    |                    |          |         |
|----------------------|-------------------------|---|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                      |                         | New England                                     | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| 1899                 | 6.49                    | 241   | 168             | 110                | 43                 | 69             | 37                 | 28                 | 43       | 82      |
| 1909                 | 7.75                    | 224   | 161             | 117                | 47                 | 73             | 42                 | 33                 | 41       | 74      |
| 1919                 | 9.41                    | 206   | 152             | 133                | 49                 | 64             | 41                 | 32                 | 37       | 89      |
| 1929                 | 7.93                    | 183   | 139             | 140                | 51                 | 76             | 51                 | 34                 | 39       | 83      |
| 1939                 | 7.28                    | 183   | 137             | 140                | 50                 | 87             | 53                 | 35                 | 30       | 75      |
| 1947                 | 9.95                    | 163   | 138             | 149                | 59                 | 76             | 58                 | 40                 | 31       | 68      |
| 1949-53 <sup>1</sup> | 9.88                    | 157   | 134             | 147                | 63                 | 77             | 59                 | 43                 | 32       | 76      |
| 1953-57              | 9.94                    | 150   | 132             | 140                | 66                 | 79             | 66                 | 48                 | 34       | 83      |
| 1957-60              | 9.11                    | 150   | 130             | 132                | 69                 | 82             | 73                 | 52                 | 39       | 88      |
| 1960-64 <sup>1</sup> | 8.82                    | 150   | 128             | 133                | 71                 | 84             | 77                 | 53                 | 42       | 86      |
| 1964                 | 8.92                    | 143   | 126             | 136                | 73                 | 85             | 81                 | 55                 | 41       | 83      |

<sup>1</sup> Period does not cover a complete business cycle.

See series C71 to C80 and C91 to C100 in appendix 2 for sources and in appendix 3 for basic data.

part

III.

## REGIONAL AND INDUSTRY TRENDS

table

3.

## Tangible assets and new capital expenditures of manufacturing industries for the United States and geographic divisions

| Year or period               | Census geographic divisions                             |   |                 |                    |                    |                |                    |                    |          |         |
|------------------------------|---|---|-----------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------|
|                              | United States   | New England   | Middle Atlantic | East North Central | West North Central | South Atlantic | East South Central | West South Central | Mountain | Pacific |
| End of year: 1957.....       | GROSS BOOK VALUE OF DEPRECIABLE AND DEPLETABLE ASSETS   |   |                 |                    |                    |                |                    |                    |          |         |
|                              | Millions of dollars                                     | Percent distribution                                  |                 |                    |                    |                |                    |                    |          |         |
|                              | 110,489   | 6.0   | 21.9            | 31.6               | 5.2                | 11.3           | 4.9                | 8.2                | 1.8      | 9.2     |
| 1939.....                    | NEW CAPITAL EXPENDITURES                                |   |                 |                    |                    |                |                    |                    |          |         |
|                              | Millions of dollars                                     | Percent distribution                                  |                 |                    |                    |                |                    |                    |          |         |
|                              | 1,246   | 8.2   | 24.6            | 34.0               | 4.5                | 11.1           | 3.9                | 5.9                | 1.3      | 6.5     |
| 1940-44 <sup>1,2</sup> ..... | 5,190   | 5.3   | 19.3            | 31.6               | 7.1                | 6.9            | 6.3                | 10.9               | 3.5      | 9.1     |
| 1947.....                    | 6,004   | 7.0   | 22.2            | 31.1               | 5.7                | 11.2           | 4.3                | 7.6                | 1.6      | 9.2     |
| 1951-53 <sup>1</sup> .....   | 7,899   | 5.3   | 21.9            | 31.7               | 4.5                | 10.2           | 4.7                | 11.1               | 1.6      | 8.9     |
| 1953-57.....                 | 9,441   | 5.2   | 19.0            | 32.8               | 4.8                | 12.2           | 5.1                | 8.7                | 2.1      | 9.9     |
| 1957-60.....                 | 9,827   | 5.8   | 20.2            | 29.2               | 5.5                | 11.8           | 5.6                | 8.9                | 2.0      | 10.9    |
| 1960-64 <sup>1</sup> .....   | 10,753  | 5.9   | 19.2            | 28.5               | 5.6                | 13.3           | 5.9                | 8.4                | 2.2      | 11.1    |
| 1964.....                    | 13,436  | 5.2   | 17.6            | 32.1               | 5.5                | 12.7           | 6.5                | 8.4                | 1.9      | 10.2    |
| 1939.....                    | NEW CAPITAL EXPENDITURES PER 100 DOLLARS OF VALUE ADDED |   |                 |                    |                    |                |                    |                    |          |         |
|                              | Dollars   | Division amount compared with United States (percent) |                 |                    |                    |                |                    |                    |          |         |
|                              | 5.09  | 82  | 82              | 111                | 81                 | 121            | 116                | 177                | 116      | 102     |
| 1947.....                    | 8.08  | 76  | 80              | 99                 | 102                | 121            | 110                | 187                | 150      | 124     |
| 1951-53 <sup>1</sup> .....   | 7.15  | 65  | 84              | 97                 | 77                 | 115            | 126                | 235                | 132      | 104     |
| 1953-57.....                 | 7.10  | 69  | 75              | 104                | 81                 | 132            | 124                | 171                | 150      | 103     |
| 1957-60.....                 | 6.43  | 78  | 83              | 99                 | 89                 | 117            | 127                | 164                | 128      | 101     |
| 1960-64 <sup>1</sup> .....   | 5.97  | 80  | 82              | 97                 | 92                 | 124            | 127                | 149                | 124      | 98      |
| 1964.....                    | 6.52  | 74  | 79              | 109                | 88                 | 114            | 134                | 141                | 109      | 90      |

<sup>1</sup> Period does not cover a complete business cycle.<sup>2</sup> Expenditures authorized by the War Production Board for the period July 1940 to May 1944; data shown as an annual rate. See series C101 to C110 and C81 to C90 in appendix 2 for sources and in appendix 3 for basic data.



part

III.

## REGIONAL AND INDUSTRY TRENDS

table

4.

## National income and persons engaged in production, for industry divisions

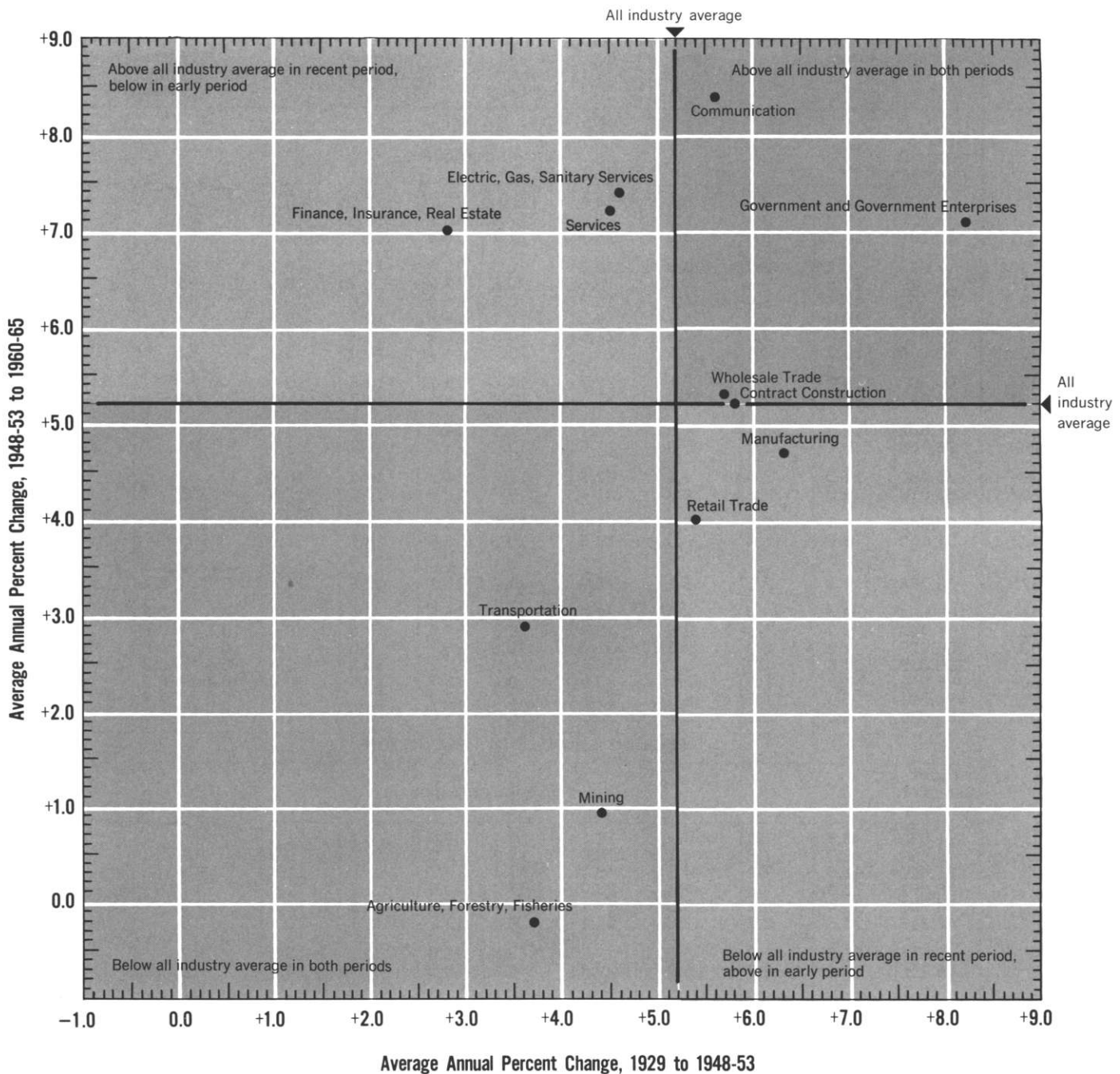
| Year or period                       | Total                       | Industrial divisions |        |                       |               |  |       |                                     |          |         | Government      |     | Rest of the world |
|--------------------------------------|-----------------------------|----------------------|--------|-----------------------|---------------|--|-------|-------------------------------------|----------|---------|-----------------|-----|-------------------|
|                                      |                             | Agriculture          | Mining | Contract construction | Manufacturing | Transportation, communications, public utilities | Trade | Finance, insurance, and real estate | Services | Federal | State and local |     |                   |
| <b>NATIONAL INCOME</b>               |                             |                      |        |                       |               |  |       |                                     |          |         |                 |     |                   |
|                                      | Millions of current dollars | Percent distribution |        |                       |               |  |       |                                     |          |         |                 |     |                   |
| 1869.....                            | 6,827                       | 22.2                 | 1.5    | 5.7                   | 14.6          | 10.9   | 15.2  | 11.5                                | 14.2     | 4.2     |                 | —   |                   |
| 1879.....                            | 7,227                       | 19.0                 | 2.1    | 5.0                   | 13.3          | 12.9   | 16.1  | 12.0                                | 15.2     | 4.5     |                 | —   |                   |
| 1889.....                            | 10,701                      | 14.2                 | 2.2    | 5.9                   | 18.9          | 11.2   | 16.8  | 13.1                                | 12.5     | 5.2     |                 | —   |                   |
| 1899-1903.....                       | 17,313                      | 18.2                 | 2.9    | 4.3                   | 18.6          | 10.3   | 16.6  | 12.7                                | 10.3     | 6.0     |                 | —   |                   |
| 1903-07.....                         | 21,670                      | 17.5                 | 3.5    | 4.7                   | 18.6          | 10.8   | 17.0  | 13.7                                | 8.9      | 5.3     |                 | —   |                   |
| 1907-10.....                         | 25,400                      | 19.4                 | 3.4    | 4.1                   | 18.3          | 10.9   | 16.4  | 13.0                                | 9.1      | 5.4     |                 | —   |                   |
| 1910-13.....                         | 29,111                      | 18.9                 | 3.5    | 4.1                   | 19.9          | 11.1   | 15.8  | 12.7                                | 8.6      | 5.5     |                 | —   |                   |
| 1913-18.....                         | 38,613                      | 19.0                 | 3.5    | 2.8                   | 21.6          | 10.6   | 16.0  | 12.2                                | 7.9      | 6.4     |                 | —   |                   |
| 1918-20.....                         | 62,820                      | 18.9                 | 3.4    | 2.6                   | 23.3          | 10.7   | 14.4  | 10.9                                | 7.2      | 8.5     |                 | —   |                   |
| 1920-23 <sup>1</sup> .....           | 60,303                      | 13.2                 | 3.6    | 3.5                   | 22.2          | 11.8   | 15.1  | <sup>2</sup> 12.8                   | 9.1      | 8.9     |                 | —   |                   |
| 1920-23 <sup>3</sup> .....           | 63,021                      | 10.2                 | 2.7    | 3.8                   | 21.5          | 10.3   | 13.5  | <sup>4</sup> 16.3                   | 11.4     | 10.2    |                 | —   |                   |
| 1923-26 <sup>1</sup> .....           | 68,882                      | 12.5                 | 3.4    | 4.3                   | 22.1          | 11.3   | 14.8  | <sup>2</sup> 13.3                   | 9.7      | 8.5     |                 | —   |                   |
| 1923-26 <sup>3</sup> .....           | 76,168                      | 9.7                  | 2.5    | 5.0                   | 21.6          | 9.7  | 13.5  | <sup>4</sup> 16.4                   | 11.9     | 9.7     |                 | —   |                   |
| 1926-29 <sup>1</sup> .....           | 75,460                      | 11.5                 | 3.0    | 4.2                   | 22.2          | 11.2   | 14.5  | <sup>2</sup> 14.3                   | 10.4     | 8.7     |                 | —   |                   |
| 1926-29 <sup>3</sup> .....           | 82,818                      | 9.0                  | 2.2    | 4.9                   | 21.4          | 9.7  | 12.9  | <sup>4</sup> 17.0                   | 12.8     | 10.2    |                 | —   |                   |
| 1929-37 <sup>1</sup> .....           | 58,943                      | 9.0                  | 2.3    | 2.6                   | 21.0          | 11.6   | 13.7  | <sup>2</sup> 13.8                   | 10.8     | 15.1    |                 | —   |                   |
| 1929-37 <sup>3</sup> .....           | 57,460                      | 8.6                  | 1.7    | 3.0                   | 19.6          | 10.2   | 13.5  | <sup>4</sup> 15.7                   | 13.9     | 13.9    |                 | —   |                   |
| 1929-37 <sup>5</sup> .....           | 58,763                      | 9.3                  | 2.1    | 3.1                   | 22.8          | 11.2   | 16.1  | 12.9                                | 11.4     | 3.7     | 6.6             | 0.8 |                   |
| 1937-44.....                         | 108,684                     | 8.4                  | 2.0    | 3.5                   | 30.6          | 9.2  | 15.8  | 8.6                                 | 8.4      | 8.9     | 4.3             | .3  |                   |
| 1944-48.....                         | 191,442                     | 9.2                  | 1.9    | 3.5                   | 29.4          | 8.3  | 17.5  | 7.8                                 | 8.5      | 10.1    | 3.6             | .3  |                   |
| 1948-53.....                         | 258,476                     | 7.2                  | 2.0    | 5.0                   | 31.6          | 8.5  | 16.7  | 9.0                                 | 8.8      | 6.2     | 4.5             | .5  |                   |
| 1953-57.....                         | 330,092                     | 4.8                  | 1.8    | 5.2                   | 32.1          | 8.5  | 15.7  | 10.3                                | 9.4      | 6.4     | 5.3             | .5  |                   |
| 1957-60.....                         | 386,032                     | 4.3                  | 1.5    | 5.1                   | 30.5          | 8.4  | 15.7  | 10.9                                | 10.4     | 6.2     | 6.2             | .6  |                   |
| 1960-65 <sup>7</sup> .....           | 474,201                     | 3.9                  | 1.2    | 5.0                   | 29.9          | 8.3  | 15.3  | 11.1                                | 11.2     | 6.2     | 7.2             | .7  |                   |
| 1965.....                            | 559,020                     | 3.8                  | 1.2    | 5.1                   | 30.5          | 8.2  | 15.0  | 10.9                                | 11.3     | 6.0     | 7.5             | .8  |                   |
| <b>PERSONS ENGAGED IN PRODUCTION</b> |                             |                      |        |                       |               |  |       |                                     |          |         |                 |     |                   |
|                                      | Thousands of persons        | Percent distribution |        |                       |               |  |       |                                     |          |         |                 |     |                   |
| 1869.....                            | 11,910                      | 48.3                 | 1.3    | 4.9                   | 17.6          | 5.1  | 7.8   | 0.4                                 | 11.1     | 3.5     |                 | —   |                   |
| 1879.....                            | 15,639                      | 48.9                 | 1.8    | 4.1                   | 18.0          | 5.2  | 7.9   | .4                                  | 9.9      | 3.9     |                 | —   |                   |
| 1889.....                            | 21,620                      | 41.6                 | 2.3    | 4.5                   | 18.7          | 7.1  | 9.7   | .8                                  | 11.5     | 3.8     |                 | —   |                   |
| 1899.....                            | 26,861                      | 36.9                 | 2.5    | 4.9                   | 20.0          | 7.7  | 10.8  | 1.2                                 | 11.9     | 4.1     |                 | —   |                   |
| 1909.....                            | 34,785                      | 30.4                 | 3.1    | 5.0                   | 22.1          | 8.8  | 11.8  | 1.6                                 | 12.5     | 4.8     |                 | —   |                   |
| 1919.....                            | 42,313                      | 24.6                 | 2.7    | 3.6                   | 25.1          | 9.4  | 13.2  | 2.1                                 | 10.7     | 8.6     |                 | —   |                   |
| 1929 <sup>6</sup> .....              | 47,611                      | 21.2                 | 2.2    | 5.0                   | 22.2          | 8.6  | 16.9  | 3.3                                 | 13.9     | 6.7     |                 | —   |                   |
| 1929 <sup>5</sup> .....              | 46,216                      | 19.9                 | 2.2    | 5.0                   | 22.8          | 8.8  | 16.9  | 3.4                                 | 14.0     | 6.9     |                 | —   |                   |
| 1929-37.....                         | 42,214                      | 12.3                 | 2.0    | 4.1                   | 20.5          | 7.5  | 16.9  | 3.5                                 | 13.9     | 3.7     | 6.4             | —   |                   |
| 1937-44.....                         | 53,002                      | 15.1                 | 1.8    | 4.0                   | 24.4          | 6.3  | 16.3  | 3.0                                 | 12.4     | 11.4    | 5.4             | —   |                   |
| 1944-48.....                         | 59,952                      | 11.8                 | 1.5    | 4.0                   | 25.9          | 6.8  | 16.7  | 2.9                                 | (NA)     | 13.5    | 3.9             | —   |                   |
| 1948-53.....                         | 61,110                      | 10.6                 | 1.6    | 5.6                   | 26.7          | 6.9  | 18.1  | 3.4                                 | 13.1     | 7.7     | 6.2             | —   |                   |
| 1953-57.....                         | 64,496                      | 8.8                  | 1.3    | 5.6                   | 27.0          | 6.5  | 18.0  | 3.8                                 | 13.5     | 8.4     | 6.9             | —   |                   |
| 1957-60.....                         | 64,798                      | 7.6                  | 1.2    | 5.5                   | 26.1          | 6.3  | 18.6  | 4.1                                 | 15.0     | 7.6     | 8.0             | —   |                   |
| 1960-65 <sup>7</sup> .....           | 67,620                      | 6.6                  | 1.0    | 5.5                   | 25.6          | 5.7  | 18.4  | 4.3                                 | 16.1     | 7.6     | 9.1             | —   |                   |
| 1965.....                            | 71,248                      | 5.7                  | .9     | 5.6                   | 25.9          | 5.6  | 18.4  | 4.3                                 | 16.5     | 7.4     | 9.6             | —   |                   |

— Less than 0.1 percent. (NA) Not available. <sup>1</sup> Martin data. <sup>2</sup> This industry also includes income from fisheries, miscellaneous income of private origin, net international transfer of dividends and interest, as well as income from miscellaneous professional occupations and the hand trades. <sup>3</sup> Kuznets data. <sup>4</sup> This series includes income originating in fisheries and in bus, truck, and air transportation. <sup>5</sup> OBE data. <sup>6</sup> Kendrick data. <sup>7</sup> Period does not cover a complete business cycle. See series C111 to C234 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS

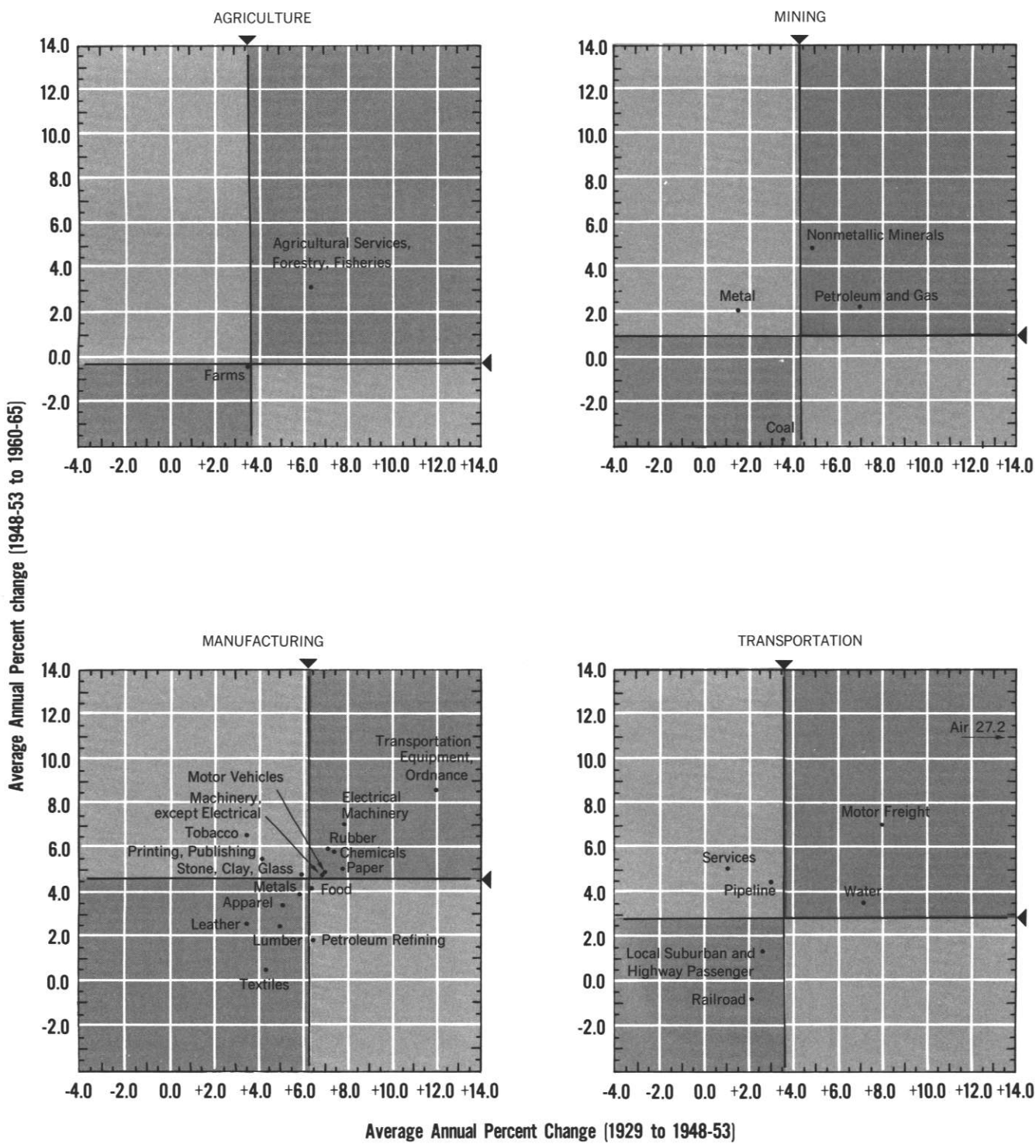
chart **11.** Average annual percent change of national income

part **A.** Industry divisions



See series C132 to C209 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **11.** Average annual percent change of national income—continued  
 part **B.** Industry components

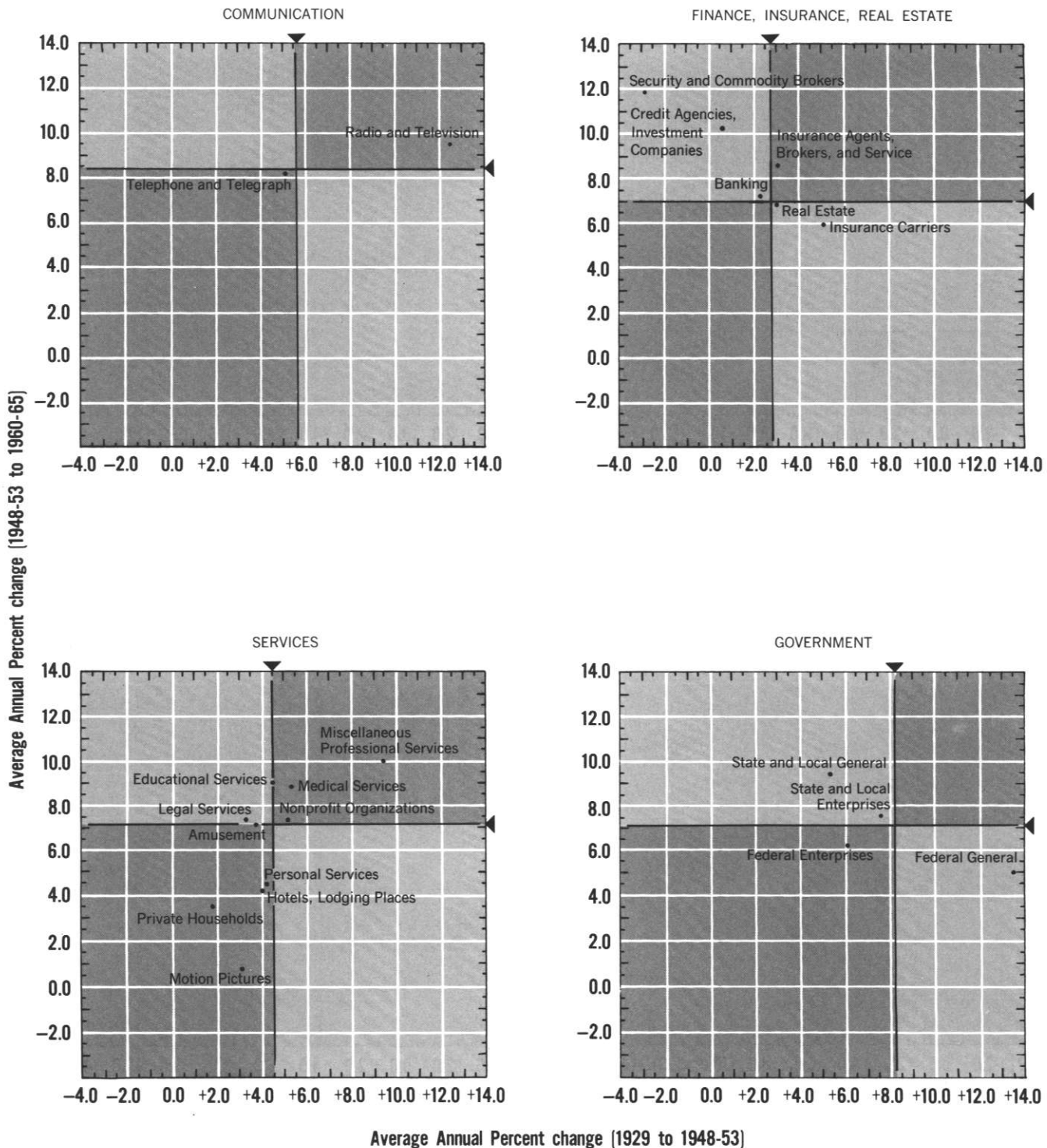


◀ Designates industry average  
 Industry titles are shortened. See series C132 to C209 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS

chart **11.** Average annual percent change of national income—continued

part **B.** Industry components—continued



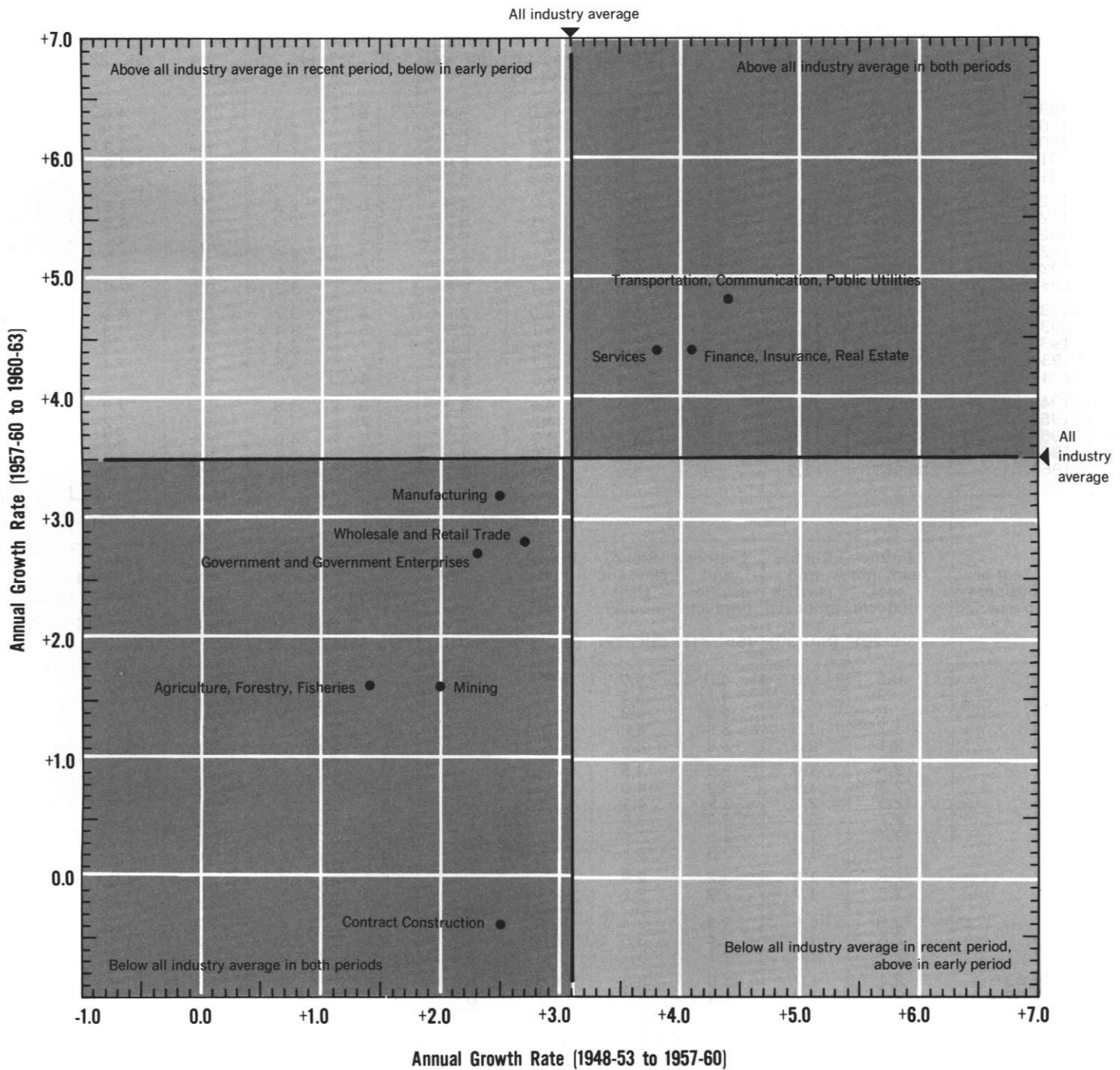
◀ Designates industry average

Industry titles are shortened. See series C132 to C209 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS

chart **12.** Growth rates of gross national product for industry divisions

(1948-53 to 1957-60 compared with 1957-60 to 1960-63)



See series C235 to C247 in appendix 2 for sources and in appendix 3 for basic data.



part III. REGIONAL AND INDUSTRY TRENDS

table 5. Value added by manufacture for major industry groups

| Year or business cycle period | C248. All manufacturing (millions of dollars) | Percent of all manufacturing       |                           |                                |                                       |                                   |                                 |                                    |                                  |  |
|-------------------------------|---|------------------------------------|---------------------------|--------------------------------|---------------------------------------|-----------------------------------|---------------------------------|------------------------------------|----------------------------------|--|
|                               |   | Food and kindred products (SIC 20) | Tobacco products (SIC 21) | Textile mill products (SIC 22) | Apparel and related products (SIC 23) | Lumber and wood products (SIC 24) | Furniture and fixtures (SIC 25) | Paper and allied products (SIC 26) | Printing and publishing (SIC 27) | Chemicals and allied products (SIC 28) |
| 1899                          | 4,647   | 9.0                                | 3.7                       | 9.5                            | 6.6                                   | 9.4                               | 1.8                             | 1.9                                | 6.5                              | 4.6                                    |
| 1904                          | 6,019   | 9.0                                | 3.4                       | 8.6                            | 6.9                                   | 9.6                               | 1.9                             | 2.0                                | 7.0                              | 4.8                                    |
| 1909                          | 8,160   | 9.2                                | 2.9                       | 9.2                            | 7.5                                   | 8.7                               | 1.9                             | 2.1                                | 6.4                              | 4.9                                    |
| 1914                          | 9,386   | 11.4                               | 3.0                       | 8.3                            | 7.3                                   | 6.9                               | 1.9                             | 2.1                                | 6.7                              | 4.9                                    |
| 1919                          | 23,842  | 10.5                               | 2.2                       | 9.6                            | 6.8                                   | 5.4                               | 1.5                             | 2.2                                | 4.6                              | 5.0                                    |
| 1921                          | 17,253  | 12.3                               | 2.6                       | 10.6                           | 8.2                                   | 4.9                               | 2.0                             | 2.3                                | 7.6                              | 4.8                                    |
| 1923                          | 24,569  | 10.2                               | 2.1                       | 9.8                            | 7.1                                   | 5.7                               | 2.1                             | 2.3                                | 6.2                              | 4.8                                    |
| 1925                          | 25,668  | 10.6                               | 2.6                       | 8.6                            | 6.6                                   | 5.2                               | 2.2                             | 2.4                                | 6.8                              | 5.1                                    |
| 1927                          | 26,325  | 10.8                               | 2.8                       | 8.6                            | 7.1                                   | 4.5                               | 2.2                             | 2.6                                | 7.4                              | 5.6                                    |
| 1929                          | 30,591  | 10.9                               | 2.7                       | 7.6                            | 6.3                                   | 4.3                               | 2.0                             | 2.6                                | 7.3                              | 5.7                                    |
| 1931                          | 18,601  | 14.8                               | 2.0                       | 8.2                            | 7.4                                   | 2.8                               | 1.7                             | 3.3                                | 9.5                              | 7.3                                    |
| 1933                          | 14,008  | 17.2                               | 1.8                       | 9.6                            | 5.9                                   | 2.7                               | 1.4                             | 3.7                                | 8.9                              | 8.0                                    |
| 1935                          | 18,553  | 15.1                               | 1.5                       | 7.9                            | 6.1                                   | 2.9                               | 1.5                             | 3.4                                | 8.3                              | 7.3                                    |
| 1937                          | 25,174  | 13.4                               | 1.3                       | 7.1                            | 4.9                                   | 2.8                               | 1.7                             | 3.4                                | 7.1                              | 6.9                                    |
| 1939                          | 24,487  | 14.2                               | 1.4                       | 7.4                            | 5.7                                   | 3.0                               | 1.7                             | 3.6                                | 7.2                              | 7.4                                    |
| 1947                          | 74,290  | 12.3                               | .9                        | 7.2                            | 6.0                                   | 3.4                               | 1.8                             | 3.9                                | 5.7                              | 7.2                                    |
| 1949-53 <sup>1</sup>          | 99,878  | 10.7                               | .9                        | 5.4                            | 4.6                                   | 3.3                               | 1.8                             | 3.8                                | 5.3                              | 7.9                                    |
| 1953-57                       | 132,928                                       | 11.0                               | .8                        | 3.9                            | 4.2                                   | 2.7                               | 1.7                             | 3.9                                | 5.2                              | 8.2                                    |
| 1957-60                       | 152,912                                       | 11.8                               | .9                        | 3.5                            | 4.1                                   | 2.2                               | 1.6                             | 4.0                                | 5.5                              | 8.7                                    |
| 1960-64 <sup>1</sup>          | 180,091                                       | 11.7                               | .9                        | 3.3                            | 4.0                                   | 2.1                               | 1.6                             | 3.9                                | 5.6                              | 9.0                                    |
| 1964                          | 205,963                                       | 11.2                               | .9                        | 3.3                            | 4.0                                   | 2.1                               | 1.6                             | 3.8                                | 5.4                              | 9.3                                    |

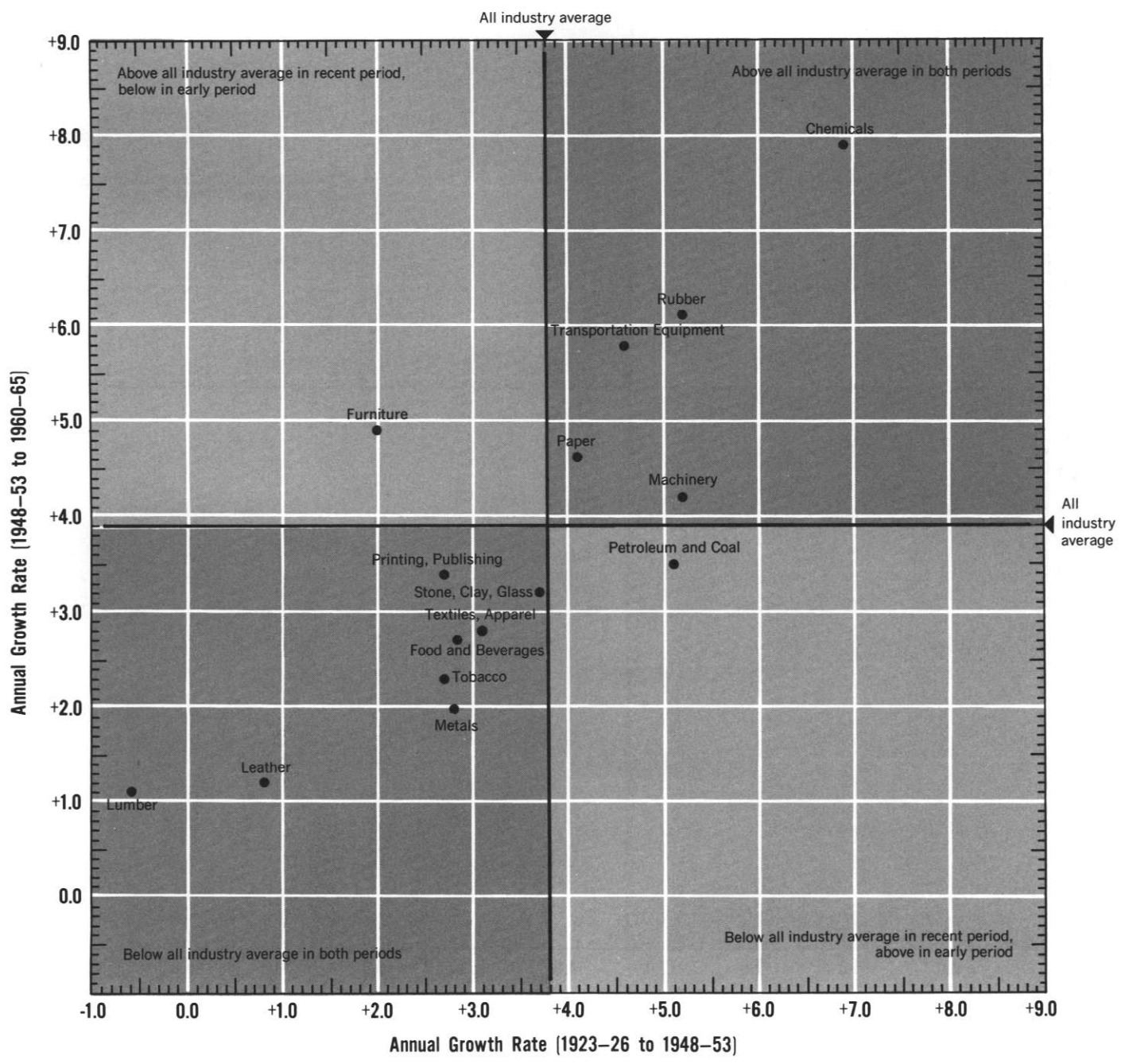
  

| Year or business cycle period | Percent of all manufacturing         |   |                                       |  |                                   |                                    |                                       |                               |                                   |   |
|-------------------------------|--------------------------------------|---|---------------------------------------|--|-----------------------------------|------------------------------------|---------------------------------------|-------------------------------|-----------------------------------|---|
|                               | Petroleum and coal products (SIC 29) | Rubber and plastics products, n.e.c. (SIC 30) | Leather and leather products (SIC 31) | Stone, clay, and glass products (SIC 32) | Primary metal industries (SIC 33) | Fabricated metal products (SIC 34) | Machinery, except electrical (SIC 35) | Electrical machinery (SIC 36) | Transportation equipment (SIC 37) | Instruments and related products (SIC 38) |
| 1899                          | 0.8                                  | 0.9   | 4.0                                   | 4.0                                      |                                   |                                    | 0.9                                   | 5.1                           | 0.7                               |   |
| 1904                          | .9                                   | 1.1   | 4.1                                   | 4.5                                      |                                   |                                    | 1.3                                   | 5.2                           | .8                                |   |
| 1909                          | .9                                   | .9  | 4.0                                   | 4.3                                      |                                   |                                    | 1.5                                   | 5.9                           | .9                                |   |
| 1914                          | 1.2                                  | 1.5   | 3.8                                   | 4.0                                      | 15.6                              |                                    | 2.1                                   | 8.4                           | 1.0                               |   |
| 1919                          | 2.1                                  | 2.3   | 3.8                                   | 2.9                                      | 13.6                              |                                    | 2.8                                   | 13.6                          | 1.0                               |   |
| 1921                          | 2.5                                  | 1.9   | 3.5                                   | 3.5                                      | 10.6                              |                                    | 3.2                                   | 11.5                          | 1.1                               |   |
| 1923                          | 2.3                                  | 1.9   | 3.2                                   | 4.0                                      | 14.4                              |                                    | 3.3                                   | 11.5                          | 1.0                               |   |
| 1925                          | 2.5                                  | 2.1   | 2.9                                   | 4.1                                      | 14.1                              |                                    | 3.7                                   | 11.0                          | 1.0                               |   |
| 1927                          | 2.1                                  | 2.1   | 3.0                                   | 3.9                                      | 13.5                              |                                    | 4.0                                   | 9.6                           | 1.0                               |   |
| 1929                          | 2.7                                  | 1.8   | 2.5                                   | 3.4                                      | 14.4                              |                                    | 10.0                                  | 4.5                           | 10.1                              |   |
| 1931                          | 2.3                                  | 1.9   | 2.8                                   | 3.3                                      | 11.1                              |                                    | 8.3                                   | 4.1                           | 8.6                               |   |
| 1933                          | 2.8                                  | 1.9   | 3.2                                   | 2.9                                      | 11.5                              |                                    | 6.7                                   | 2.9                           | 7.7                               |   |
| 1935                          | 2.5                                  | 1.7   | 2.9                                   | 3.2                                      | 14.3                              |                                    | 9.2                                   | 3.7                           | 7.1                               |   |
| 1937                          | 2.5                                  | 1.5   | 2.3                                   | 3.4                                      | 10.0                              | 5.5                                | 9.4                                   | 4.4                           | 7.9                               |   |
| 1939                          | 2.8                                  | 1.7   | 2.4                                   | 3.5                                      | 8.9                               | 5.7                                | 8.3                                   | 3.8                           | 7.2                               |   |
| 1947                          | 2.7                                  | 1.7   | 2.1                                   | 3.1                                      | 7.7                               | 6.6                                | 10.5                                  | 5.2                           | 7.9                               |   |
| 1949-53 <sup>1</sup>          | 2.4                                  | 1.7   | 1.5                                   | 3.3                                      | 8.8                               | 6.8                                | 10.8                                  | 5.8                           | 10.3                              |   |
| 1953-57                       | 2.1                                  | 1.7   | 1.3                                   | 3.4                                      | 9.2                               | 6.5                                | 10.7                                  | 6.2                           | 12.0                              |   |
| 1957-60                       | 1.9                                  | 2.2   | 1.3                                   | 3.9                                      | 8.4                               | 6.5                                | 9.2                                   | 7.5                           | 11.3                              |   |
| 1960-64 <sup>1</sup>          | 2.0                                  | 2.4   | 1.2                                   | 3.7                                      | 7.9                               | 6.2                                | 9.0                                   | 8.6                           | 11.4                              |   |
| 1964                          | 1.8                                  | 2.4   | 1.1                                   | 3.7                                      | 8.1                               | 6.1                                | 9.6                                   | 8.8                           | 11.6                              |   |

<sup>1</sup> Period does not cover a complete business cycle.

GENERAL NOTE: The sum of percentages in this table for several pre-World War II years exceeds 100 percent. This is due to the reclassification of some industries out of the "all manufacturing" total but not out of the individual industry groups. See series description C248 to C267 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **13.** Growth rates of Federal Reserve production indexes for major industry groups  
 (1923-26 to 1948-53 compared with 1948-53 to 1960-65)

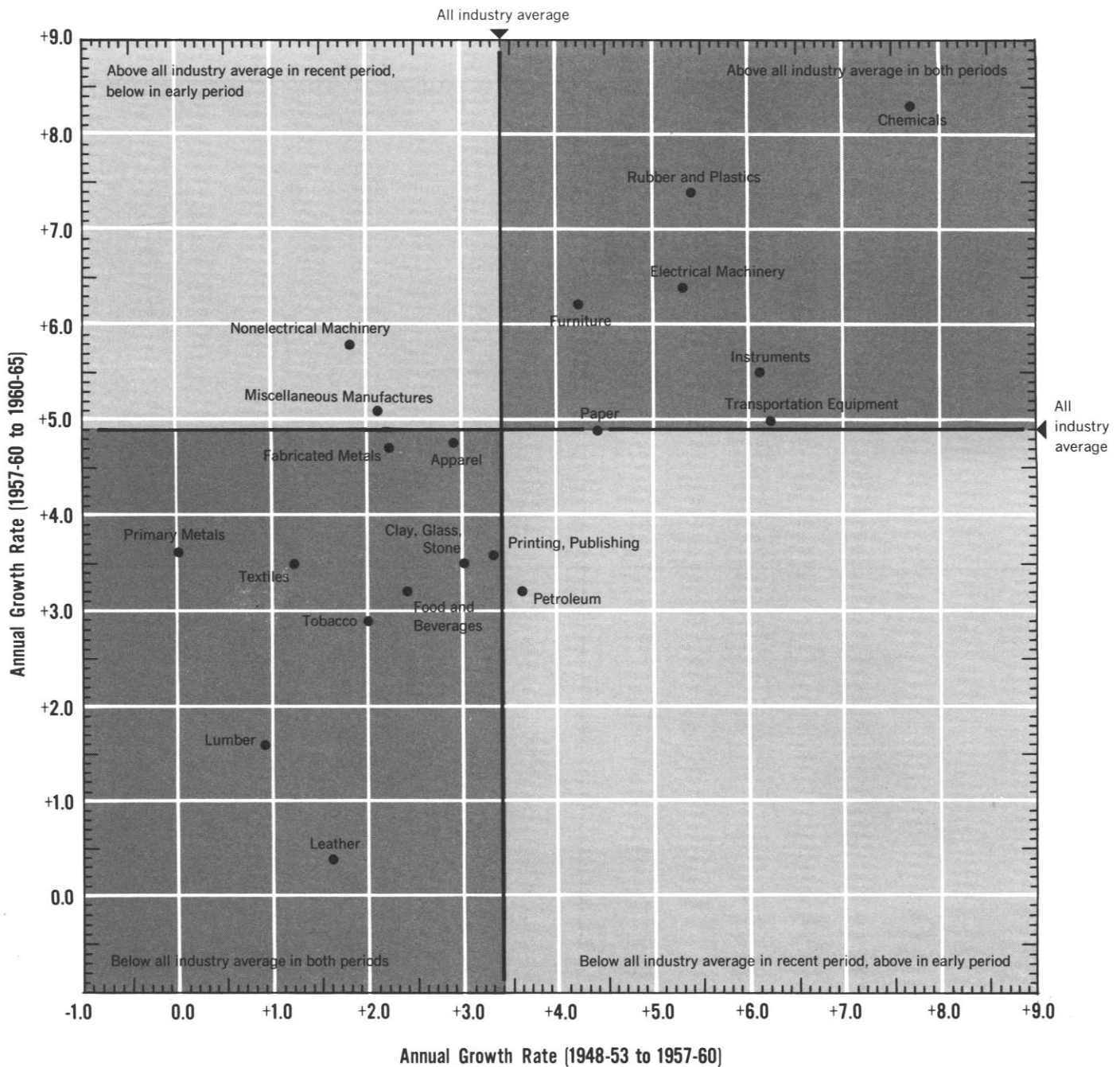


Industry titles are shortened. See series C268 to C306 in appendix 2 for sources and in appendix 3 for basic data. Primary metals and fabricated metal products groups were combined for 1948 to 1965, and iron and steel and nonferrous metals and products groups, for 1923 to 1953 to obtain comparability. Also combined were textile mill products and apparel groups and nonelectrical and electrical machinery groups for 1948 to 1953 to correspond with the textile products group and machinery group for 1923 to 1953. The manufactured food products and alcoholic beverages groups were combined for 1923 to 1953 to correspond with the food and beverage manufactures group for 1948 to 1965.

part **III.** REGIONAL AND INDUSTRY TRENDS

chart **13.** Growth rates of Federal Reserve production indexes for major industry groups—continued

(1948-53 to 1957-60 compared with 1957-60 to 1960-65)



Industry titles are shortened. See series C268 to C306 in appendix 2 for sources and in appendix 3 for basic data.

part **III.** REGIONAL AND INDUSTRY TRENDS

table **6.** Summary of rapidly growing and declining manufacturing industries

| SIC  | Rapidly growing industries   | Growth rate, 1957-60 to 1960-65                   | SIC  | Declining industries   | Growth rate, 1957-60 to 1960-65                   |
|------|--|---|------|--|---|
|      | Components of FR manufacturing index growing by 8 percent or more per year:                            |   |      | Components of FR manufacturing index that are declining:                   |   |
|      | Plastics materials.....  | 17.8  |      | Shoes and slippers.....  | -0.3  |
|      | Magnesium.....   | 12.5  |      | Lumber.....  | -0.5  |
|      | Seamless hosiery.....  | 12.4  |      | Farm tractors.....   | -0.6  |
|      | Man-made fibers.....   | 12.4  |      | Wood containers.....   | -0.7  |
|      | Auto radios.....   | 10.2  |      | Coke.....  | -1.0  |
|      | Light trucks.....  | 9.9   |      | Home freezers.....   | -1.1  |
|      | Basic organic chemicals.....   | 9.7   |      | Cattlehide leather.....  | -1.2  |
|      | Softwood plywood.....  | 9.5   |      | Millwork.....  | -1.2  |
|      | Table television.....  | 9.3   |      | Lead.....  | -1.4  |
|      | Electric housewares.....   | 9.3   |      | Railroad cars.....   | -1.4  |
|      | Man-made fibers.....   | 9.0   |      | Home furnaces.....   | -1.5  |
|      | Aluminum mill shapes.....  | 8.8   |      | Console television.....  | -1.5  |
|      | Kerosene.....  | 8.7   |      | Skin leather.....  | -2.0  |
|      | Asphalt, waxes, etc.....   | 8.3   |      | Men's outercoats.....  | -2.8  |
|      | Misc. rubber and plastics.....   | 8.3   |      | Aviation fuel.....   | -4.5  |
|      | Metalworking machinery.....  | 8.3   |      | Residual fuel oil.....   | -5.3  |
|      | Autos.....   | 8.0   |      | Full-fashioned hosiery.....  | -19.1   |
|      |  |   |      | Medium trucks.....   | -24.1   |
|      |  | Average annual percent change, 1957-60 to 1960-64 |      |  | Average annual percent change, 1957-60 to 1960-64 |
|      | SIC (4-digit) industries in which current-dollar value-added is growing by 8 percent or more per year: |   |      | SIC (4-digit) industries in which current-dollar value-added is declining: |   |
| 3571 | Computing and related machines.....  | 12.3  | 3443 | Boiler shop products.....  | -0.4  |
| 3953 | Marking devices.....   | 11.9  | 3741 | Locomotives and parts.....   | -0.4  |
| 3079 | Plastics products, n.e.c.....  | 11.5  | 3255 | Clay refractories.....   | -0.5  |
| 3799 | Transportation equipment, n.e.c.....   | 10.6  | 2131 | Chewing and smoking tobacco.....   | -0.6  |
| 3534 | Elevators and moving stairways.....  | 10.5  | 3582 | Commercial laundry equipment.....  | -0.6  |
|      |  |   | 351  | Engines and turbines.....  | -0.8  |
| 2844 | Toilet preparations.....   | 10.4  | 3511 | (Steam engines and turbines and internal combustion engines)               |   |
| 2295 | Coated fabric, not rubberized.....   | 10.1  | 3519 | Industrial leather belting.....  | -0.9  |
| 2731 | Books, publishing and printing.....  | 10.0  | 3121 | Transformers.....  | -0.9  |
| 3831 | Optical instruments and lenses.....  | 9.7   | 3612 | Footwear cut stock.....  | -1.0  |
| 2732 | Book printing.....   | 9.6   | 3131 | Vitreous plumbing fixtures.....  | -1.3  |
|      |  |   | 3261 | Fabricated pipe and fitting.....   | -1.5  |
| 3331 | Primary copper refining, smelting.....   | 9.5   | 3498 | Electric industrial goods, n.e.c.....                                      | -1.5  |
| 2256 | Knit fabric mills.....   | 9.2   | 3629 | Aircraft.....  | -1.7  |
| 2087 | Flavorings.....  | 9.1   | 3721 | Steel pipe and tubes.....  | -1.8  |
| 3861 | Photographic equipment.....  | 8.8   | 3317 | Cordage and twine.....   | -2.0  |
| 3717 | Motor vehicles and parts.....  | 8.5   | 2298 | Earthenware food utensils.....   | -2.0  |
|      |  |   | 3263 | Matches.....   | -2.2  |
| 2043 | Cereal preparations.....   | 8.4   | 3983 | Photoengraving.....  | -2.5  |
| 3421 | Cutlery.....   | 8.4   | 2793 | Leather tanning and finishing.....   | -2.6  |
| 2283 | Cellulosic man-made fiber.....   | 8.3   | 3111 | Millinery.....   | -2.7  |
| 2284 | Organic fibers, noncellulosic.....   | 8.3   | 2351 | Electrotyping and stereotyping.....  | -2.7  |
| 3555 | Printing trades machinery.....   | 8.2   | 2794 | Aircraft propellers and parts.....   | -3.2  |
|      |  |   | 3723 | Primary lead.....  | -3.9  |
| 2655 | Fiber cans, tubes, drums, etc.....   | 8.1   | 3332 | Scientific instruments.....  | -4.9  |
| 3341 | Secondary nonferrous metals.....   | 8.1   | 3811 | Electrometallurgical products.....   | -5.1  |
| 3652 | Phonograph records.....  | 8.1   | 3313 |  |   |
| 3691 | Storage batteries.....   | 8.1   |      |  |   |

GENERAL NOTE: These industries are the most rapidly growing or declining of the industries shown on charts 14 and 15. The universe from which the above industries were selected is incomplete. The published components shown on chart 14 account for over 80 percent of the Federal Reserve manufacturing index. Some unpublished components may have exceptional growth rates. The value-added analysis on chart 15 includes 215 industries accounting for over 60 percent of total value added.

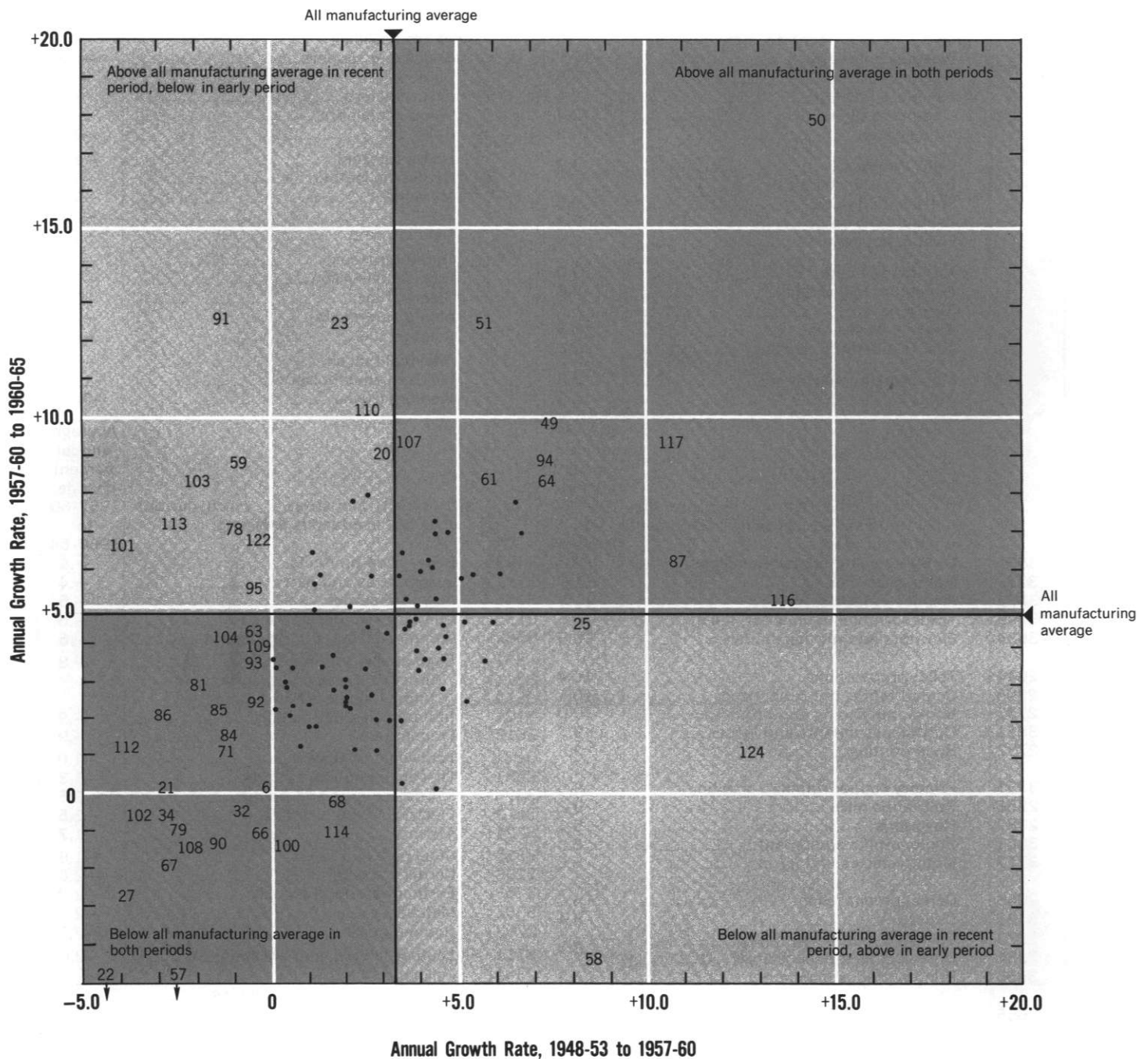
The value-added percent changes are computed from current-dollar data. The lower part of the above list may indicate industries in which prices rather than output have changed substantially. Also there may be industries where price changes have offset output changes resulting in current-dollar value-added percent changes that are neither exceptionally high nor low.

See series C307 to C646 in appendix 2 for sources of data.



part **III.** REGIONAL AND INDUSTRY TRENDS  
 chart **14.** Growth rates of Federal Reserve production indexes for industries

(1957-60 to 1960-65 compared with 1948-53 to 1957-60)



The list on the following page identifies the components of the Federal Reserve manufacturing index shown in the chart above. Each of the 124 charted components and subtotals is identified with a number; however, only the "outliers" are identified with this number on the chart. The charted series account for over 80 percent of the total manufacturing index.

In addition to the charted series, other published components and subtotals are included in

this list; growth rates for those series introduced into the index since 1948 are shown only in the last column. The 20 major industry groups (2-digit SIC level) are shown in chart 13.

The growth rates were computed with the compound interest rate formula using averages of annual data for the 1948-53 and 1957-60 business cycles and the period 1960-65.

See series C307 to C431 in appendix 2 for sources of data.

| Number | Industry  | Growth rates             |                          | Number | Industry  | Growth rates             |                          |
|--------|---|--------------------------|--------------------------|--------|---|--------------------------|--------------------------|
|        |   | 1948-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-65 |        |   | 1948-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-65 |
|        | All Manufacturing.....                              | +3.4                     | +4.9                     | 32     | Lumber.....                                     | -.8                      | -.5                      |
|        | <b>Food and kindred products.....</b>               | +2.4                     | +3.2                     | 33     | Millwork and plywood.....                       | +4.1                     | +3.6                     |
|        | Meat products:                                      |                          |                          |        | Millwork.....                                   | ---                      | -1.2                     |
| 1      | Beef.....   | +4.6                     | +4.5                     |        | Softwood plywood.....                           | ---                      | +9.5                     |
| 2      | Pork.....   | +1.1                     | +2.3                     | 34     | Wood containers.....                            | -2.8                     | -.7                      |
| 3      | Miscellaneous meats.....                            | +4.6                     | +3.6                     |        | <b>Furniture and fixtures.....</b>              | +4.2                     | +6.2                     |
| 4      | Dairy products.....                                 | +2.8                     | +2.0                     | 35     | Household furniture.....                        | +4.4                     | +6.9                     |
|        | Butter.....   | ---                      | +1.4                     | 36     | Fixtures and office furniture.....              | +3.9                     | +4.7                     |
|        | Concentrated milk.....                              | ---                      | +1                       |        | <b>Paper and allied products.....</b>           | +4.4                     | +4.9                     |
|        | Frozen desserts.....                                | ---                      | +3.1                     | 37     | Wood pulp.....                                  | +5.4                     | +5.8                     |
| 5      | Canned and frozen foods.....                        | +4.7                     | +6.9                     |        | Paper:  |                          |                          |
|        | Wheat flour.....                                    | ---                      | +1.4                     | 38     | Printing paper.....                             | +3.3                     | +4.9                     |
| 6      | Cereals and feeds.....                              | -.1                      | +2                       | 39     | Fine paper.....                                 | +4.0                     | +5.9                     |
| 7      | Bakery products.....                                | +1.7                     | +2.8                     | 40     | Coarse paper.....                               | +2.0                     | +2.5                     |
| 8      | Confectionery.....                                  | +1.4                     | +3.4                     | 41     | Miscellaneous paper.....                        | +5.9                     | +4.6                     |
| 9      | Cane sugar.....                                     | +1.2                     | +1.8                     | 42     | Paperboard.....                                 | +4.3                     | +4.8                     |
| 10     | Beet sugar.....                                     | +3.9                     | +5.0                     | 43     | Building paper and board.....                   | +2.7                     | +2.7                     |
| 11     | Miscellaneous food preparations.....                | +4.6                     | +2.8                     | 44     | Shipping containers.....                        | +4.4                     | +5.2                     |
| 12     | Vegetable and animal oils.....                      | +2.6                     | +4.4                     | 45     | Sanitary paper products.....                    | +6.1                     | +5.8                     |
|        | Vegetable oils.....                                 | ---                      | +2.8                     |        | <b>Printing and publishing.....</b>             | +3.3                     | +3.6                     |
|        | Grease and tallow.....                              | ---                      | +7.2                     | 46     | Newspapers.....                                 | +2.0                     | +2.4                     |
|        | Beverages:  |                          |                          | 47     | Job printing.....                               | +4.5                     | +3.9                     |
| 13     | Bottled soft drinks.....                            | +3.8                     | +5.2                     |        | Periodicals and books.....                      | ---                      | +4.6                     |
| 14     | Beer and ale.....                                   | +5                       | +2.1                     |        | <b>Chemicals and allied products.....</b>       | +7.7                     | +8.3                     |
| 15     | Liquor distilling.....                              | +6                       | +3.4                     | 48     | Basic inorganic chemicals.....                  | +6.5                     | +7.7                     |
| 16     | Liquor bottling.....                                | +1.7                     | +3.7                     | 49     | Basic organic chemicals.....                    | +7.5                     | +9.7                     |
|        | <b>Tobacco products.....</b>                        | +2.0                     | +2.9                     | 50     | Plastic materials.....                          | +14.6                    | +17.8                    |
| 17     | Cigarettes.....                                     | +2.5                     | +3.3                     |        | Synthetic rubber.....                           | ---                      | +6.5                     |
| 18     | Cigars.....   | +2.0                     | +3.2                     | 51     | Man-made fibers.....                            | +5.7                     | +12.4                    |
|        | <b>Textile mill products.....</b>                   | +1.2                     | +3.5                     | 52     | Soap and related products.....                  | +4.7                     | +4.2                     |
| 19     | Cotton yarns and fabrics.....                       | +1.0                     | +1.8                     | 53     | Paints.....                                     | +2.3                     | +1.2                     |
| 20     | Man-made fabrics.....                               | +3.3                     | +9.0                     | 54     | Fertilizer.....                                 | +3.7                     | +4.5                     |
| 21     | Wool fabrics.....                                   | -2.8                     | 0.0                      |        | <b>Petroleum and coal products.....</b>         | +3.6                     | +3.2                     |
| 22     | Full-fashioned hosiery.....                         | -4.5                     | -19.1                    | 55     | Automotive gasoline.....                        | +4.0                     | +3.3                     |
| 23     | Seamless hosiery.....                               | +1.9                     | +12.4                    | 56     | Distillate fuel oil.....                        | +5.2                     | +2.5                     |
| 24     | Knit garments.....                                  | +5.1                     | +5.7                     | 57     | Residual fuel oil.....                          | -2.6                     | -5.3                     |
| 25     | Tufted and hard surface floor coverings.....        | +8.3                     | +4.5                     | 58     | Aviation fuel.....                              | +8.6                     | -4.5                     |
|        | <b>Apparel and related products.....</b>            | +2.9                     | +4.8                     | 59     | Kerosene.....                                   | -.9                      | +8.7                     |
|        | Men's suits and coats:                              |                          |                          | 60     | Lubricating oil.....                            | +4                       | +2.9                     |
| 26     | Men's suits.....                                    | +1                       | +2.3                     | 61     | Asphalt, waxes, etc.....                        | +5.8                     | +8.3                     |
| 27     | Men's outercoats.....                               | -3.9                     | -2.8                     |        | <b>Rubber and plastics products, n.e.c.....</b> | +5.4                     | +7.4                     |
| 28     | Shirts and work clothing.....                       | +4.3                     | +6.0                     | 62     | Auto tires.....                                 | +3.5                     | +6.4                     |
| 29     | Women's suits and coats.....                        | +3.9                     | +3.8                     | 63     | Truck and bus tires.....                        | -.4                      | +4.1                     |
| 30     | Dresses.....  | +1.7                     | +3.7                     | 64     | Miscellaneous rubber and plastics.....          | +7.4                     | +8.3                     |
| 31     | Miscellaneous apparel and related manufactures..... | +3.4                     | +5.8                     | 65     | Miscellaneous rubber products.....              | +5.1                     | +4.7                     |
|        | <b>Lumber and wood products.....</b>                | +0.9                     | +1.6                     |        |   |                          |                          |

| Number | Industry                                   | Growth rates             |                          |
|--------|--|--------------------------|--------------------------|
|        |  | 1948-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-65 |
|        | <b>Leather and leather products</b>        | +1.6                     | + .4                     |
| 66     | Cattlehide leather                         | 0.0                      | -1.2                     |
| 67     | Skin leather                               | -2.7                     | -2.0                     |
| 68     | Shoes and slippers                         | +1.8                     | - .3                     |
|        | <b>Stone, clay, and glass products</b>     | +3.0                     | +3.5                     |
| 69     | Flat and other glass                       | +3.7                     | +4.6                     |
| 70     | Glass containers                           | +3.6                     | +4.4                     |
| 71     | Home glassware and pottery                 | -1.1                     | +1.5                     |
| 72     | Cement                                     | +3.5                     | +2.0                     |
| 73     | Brick                                      | + .8                     | +1.3                     |
| 74     | Clay firebrick, pipe and tile              | +2.8                     | +2.0                     |
| 75     | Concrete and plaster products              | +5.7                     | +3.8                     |
|        | Miscellaneous stone and earth manufactures | ---                      | +4.0                     |
|        | <b>Primary metal industries</b>            | 0.0                      | +3.6                     |
|        | <b>Blast furnaces and steel works:</b>     |                          |                          |
| 76     | Pig iron                                   | 0.0                      | +3.6                     |
| 77     | Carbon steel                               | + .1                     | +3.3                     |
| 78     | Alloy steel                                | - .8                     | +6.9                     |
| 79     | Coke                                       | -2.6                     | -1.0                     |
|        | <b>Steel mill products:</b>                |                          |                          |
| 80     | Consumer durable steel                     | +1.3                     | +5.8                     |
| 81     | Equipment steel                            | -2.0                     | +2.9                     |
| 82     | Construction steel                         | + .6                     | +2.4                     |
| 83     | Can and closure steel                      | +2.8                     | +1.2                     |
| 84     | Miscellaneous steel                        | -1.1                     | +1.6                     |
| 85     | Iron and steel castings                    | -1.4                     | +2.2                     |
| 86     | Steel forgings                             | -2.9                     | +2.1                     |
|        | <b>Nonferrous metals and products:</b>     |                          |                          |
| 87     | Aluminum                                   | +10.8                    | +6.2                     |
| 88     | Copper smelting                            | +1.2                     | +5.6                     |
| 89     | Copper refining                            | +2.1                     | +5.0                     |
| 90     | Lead                                       | -1.5                     | -1.4                     |
| 91     | Magnesium                                  | -1.3                     | +12.5                    |
| 92     | Zinc                                       | - .4                     | +2.4                     |
| 93     | Secondary nonferrous metals                | - .4                     | +3.6                     |
| 94     | Aluminum mill shapes                       | +7.3                     | +8.8                     |
| 95     | Copper mill shapes                         | - .4                     | +5.4                     |
| 96     | Nonferrous castings                        | +1.0                     | +2.4                     |
|        | <b>Fabricated metal products</b>           | +2.2                     | +4.7                     |
| 97     | Structural metal parts                     | +3.1                     | +4.3                     |
| 98     | Stampings, tools and miscellaneous         | +1.1                     | +6.4                     |
| 99     | Metal cans                                 | +3.3                     | +1.3                     |
| 100    | Home furnaces                              | + .5                     | -1.5                     |

| Number | Industry                                | Growth rates             |                          |
|--------|---|--------------------------|--------------------------|
|        |   | 1948-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-65 |
|        | <b>Machinery, except electrical</b>     | +1.8                     | +5.8                     |
|        | <b>Farm equipment:</b>                  |                          |                          |
| 101    | Farm machinery                          | -3.9                     | +6.6                     |
| 102    | Farm tractors                           | -3.5                     | - .6                     |
| 103    | Metalworking machinery                  | -1.9                     | +8.3                     |
| 104    | Tracklaying tractors                    | - .8                     | +4.1                     |
| 105    | Miscellaneous nonelectrical equipment   | +2.7                     | +5.8                     |
|        | <b>Electrical machinery</b>             | +5.3                     | +6.4                     |
| 106    | Electrical equipment and parts          | +6.7                     | +6.9                     |
|        | <b>Television and radio sets:</b>       |                          |                          |
| 107    | Table television                        | +3.4                     | +9.3                     |
| 108    | Console television                      | -1.9                     | -1.5                     |
| 109    | Home radios                             | - .4                     | +4.1                     |
| 110    | Auto radios                             | +2.5                     | +10.2                    |
|        | <b>Kitchen appliances:</b>              |                          |                          |
| 111    | Electric ranges                         | +4.4                     | +7.2                     |
| 112    | Gas ranges and ovens                    | -3.9                     | +1.2                     |
| 113    | Refrigerators                           | -2.6                     | +7.1                     |
| 114    | Home freezers                           | +1.8                     | -1.1                     |
|        | <b>Laundry appliances:</b>              |                          |                          |
| 115    | Washing machines                        | +3.5                     | + .3                     |
| 116    | Clothes dryers                          | +13.6                    | +5.1                     |
|        | <b>Miscellaneous appliances:</b>        |                          |                          |
| 117    | Electric housewares                     | +10.7                    | +9.3                     |
| 118    | Vacuum cleaners                         | +1.2                     | +4.8                     |
| 119    | Water heaters                           | +4.4                     | + .1                     |
| 120    | Replacement storage batteries           | + .4                     | +3.0                     |
|        | <b>Transportation equipment</b>         | +6.2                     | +5.0                     |
|        | <b>Motor vehicles and parts:</b>        |                          |                          |
| 121    | Autos                                   | +2.6                     | +8.0                     |
| 122    | Trucks and buses                        | - .4                     | +6.7                     |
|        | Light trucks                            | ---                      | +9.9                     |
|        | Medium trucks                           | ---                      | -24.1                    |
|        | Heavy trucks                            | ---                      | +6.4                     |
|        | Truck trailers                          | ---                      | +6.2                     |
| 123    | Motor vehicle parts                     | +2.2                     | +7.8                     |
| 124    | Aircraft and parts                      | +12.8                    | +1.1                     |
|        | Railroad equipment                      | ---                      | +3.0                     |
|        | Locomotives                             | ---                      | +6.9                     |
|        | Railroad cars                           | ---                      | -1.4                     |
|        | <b>Instruments and related products</b> | +6.1                     | +5.5                     |
|        | <b>Miscellaneous manufacturing</b>      | +2.1                     | +5.1                     |

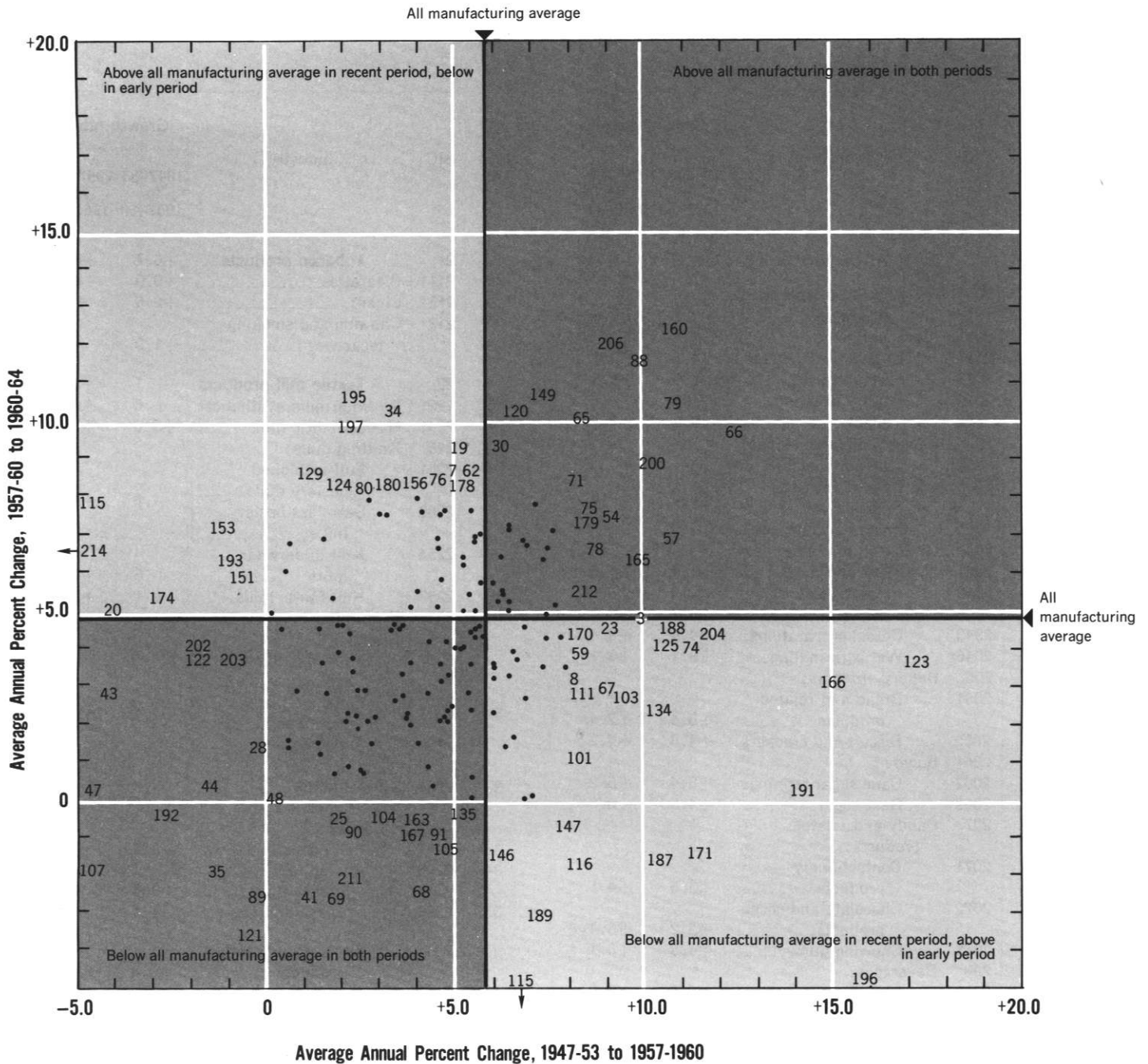
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III.  
15.

### REGIONAL AND INDUSTRY TRENDS

#### Average annual percent change of value added by manufacture for industries

(1957-60 to 1960-64 compared with 1947-53 to 1957-60)



The list on the following pages identifies 215 4-digit SIC industries for which average annual percentage changes are shown in the chart above. Each industry is identified with a number in the list; however, only the "outliers" are identified with this number on the chart. The charted series account for over 60 percent of the total "value added" by all manufacturing industries for which data were compiled in the 1964 Annual Survey of Manufactures.



The average annual percentage changes were computed with the compound interest rate formula using averages of annual data for the 1957-60 business cycle and the period 1960-64. For the 1948-53 business cycle, the data for the years 1947 and 1949-53 were averaged, since no data are available for 1948. For some industries, the percent changes may be affected somewhat by the lack of data for some years in the period 1947, 1949-53, although where such a lack of data was considered serious, the industry was not charted. The procedure followed was to chart those industries for which data are available for at least 3 of the 6 years. Averages based on less data were probably not sufficiently close to the average level of activity in the 1948-53 business cycle. Some other industries were not charted because revisions in the 1957 SIC classification resulted in substantial noncomparabilities for which no allowance was possible.

See series C432 to C646 in appendix 2 for sources of data.

| Number | SIC  | Industry                               | Growth rates       |                    | Number | SIC  | Industry                                  | Growth rates       |                    |
|--------|------|--|--------------------|--------------------|--------|------|---|--------------------|--------------------|
|        |      |  | 1947-53 to 1957-60 | 1957-60 to 1960-64 |        |      |   | 1947-53 to 1957-60 | 1957-60 to 1960-64 |
|        |      | All Manufacturing..                    | +5.8               | +4.8               |        |      |   |                    |                    |
|        | 20   | <b>Food and kindred products</b> ..... | +6.7               | +4.4               | 23     | 2111 | <b>Tobacco products</b> ..                | +6.7               | +4.0               |
|        | 201  | Meat products:                         |                    |                    | 24     | 2121 | Cigarettes.....                           | +9.0               | +4.7               |
| 1      | 2011 | Meat packing plants..                  | +4.8               | +2.1               | 25     | 2131 | Cigars.....                               | +2.6               | + .7               |
| 2      | 2013 | Prepared meats.....                    | +6.0               | +3.5               |        |      | Chewing and smoking tobacco.....          | +1.9               | - .6               |
| 3      | 2015 | Poultry dressing plants.....           | +9.9               | +4.8               | 22     |      | <b>Textile mill products</b>              | + .1               | +3.5               |
|        | 203  | Canned and frozen foods:               |                    |                    | 26     | 2221 | Weaving mills, synthetics..               | + .5               | +6.0               |
|        | 2032 | Canned specialties.....                |                    |                    | 27     | 2241 | Narrow fabric mills.....                  | +3.6               | +3.3               |
| 4      | 2033 | Canned fruits and vegetables.....      | +5.5               | +6.8               |        | 225  | Knitting mills:                           |                    |                    |
|        | 2035 | Pickles and sauces.....                |                    |                    |        | 2251 | Full-fashioned hosiery mills.....         |                    |                    |
|        | 204  | Grain mill products:                   |                    |                    | 28     | 2252 | Seamless hosiery mills.....               | - .2               | +1.3               |
| 5      | 2041 | Flour and meal.....                    | +1.4               | +1.5               | 29     | 2254 | Knit underwear mills.....                 | + .6               | +1.4               |
| 6      | 2042 | Prepared animal feeds.....             | +5.7               | +4.3               | 30     | 2256 | Knit fabric mills.....                    | +6.1               | +9.2               |
| 7      | 2043 | Cereal preparations..                  | +4.4               | +8.4               |        | 226  | Textile finishing, except wool:           |                    |                    |
| 8      | 2046 | Wet corn milling....                   | +8.1               | +3.1               |        | 2261 | Finishing plants, cotton.....             |                    |                    |
|        | 205  | Bakery products:                       |                    |                    | 31     | 2262 | Finishing plants, synthetics.....         | +1.4               | +4.5               |
| 9      | 2051 | Bread and related products.....        | +5.4               | +2.4               |        | 2269 | Finishing plants, n.e.c.....              |                    |                    |
| 10     | 2052 | Biscuit and crackers..                 | +4.8               | +4.2               | 32     | 2284 | Thread mills.....                         | + .3               | +1.4               |
|        | 206  | Sugar:                                 |                    |                    |        | 229  | Miscellaneous textile goods:              |                    |                    |
| 11     | 2062 | Cane sugar refining..                  | +6.4               | +5.2               | 33     | 2291 | Felt goods, n.e.c....                     | +3.7               | +2.2               |
| 12     | 2063 | Beet sugar.....                        | +4.5               | +6.6               | 34     | 2295 | Coated fabric, not rubberized.....        | +3.4               | +10.1              |
|        | 207  | Candy and related products:            |                    |                    | 35     | 2298 | Cordage and twine..                       | -1.4               | -2.0               |
| 13     | 2071 | Confectionery products.....            | +3.5               | +4.5               |        | 23   | <b>Apparel and related products</b> ..... | +3.8               | +4.3               |
| 14     | 2072 | Chocolate and cocoa products.....      | +5.2               | +6.4               | 36     | 2311 | Men's and boys' suits and coats.....      | +1.9               | +3.9               |
| 15     | 2073 | Chewing gum.....                       | +4.5               | +5.1               | 37     | 2321 | Men's dress shirts and nightwear.....     | +3.8               | +5.1               |
|        | 208  | Beverages:                             |                    |                    | 38     | 2335 | Dresses.....                              | +2.6               | +2.9               |
| 16     | 2082 | Malt liquors.....                      | +2.4               | +2.2               |        | 234  | Women's undergarments:                    |                    |                    |
| 17     | 2085 | Distilled liquor, except brandy....    | +1.5               | +3.6               | 39     | 2341 | Women's and children's underwear..        | +6.0               | +3.2               |
| 18     | 2086 | Bottled and canned soft drinks.....    | +6.4               | +7.2               | 40     | 2342 | Corsets and allied garments.....          | +4.3               | +4.2               |
| 19     | 2087 | Flavorings.....                        | +5.1               | +9.1               |        |      |   |                    |                    |
|        | 209  | Other food preparations:               |                    |                    |        |      |   |                    |                    |
| 20     | 2091 | Cottonseed oil mills..                 | -4.1               | +4.9               |        |      |   |                    |                    |
| 21     | 2092 | Soybean oil mills....                  | +4.0               | +2.5               |        |      |   |                    |                    |
| 22     | 2096 | Shortening and cooking oils.....       | +2.3               | +3.7               |        |      |   |                    |                    |

| Number | SIC  | Industry                                  | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
| 41     | 2351 | Millinery.....                            | +1.2                     | -2.7                     |
| 42     | 239  | Fabricated textiles, n.e.c.:              |                          |                          |
|        | 2392 | Housefurnishings,<br>n.e.c.....           | +1.9                     | +4.6                     |
| 43     | 2393 | Textile bags.....                         | -4.1                     | +2.9                     |
|        | 24   | <b>Lumber and wood<br/>products.....</b>  | +1.3                     | +2.3                     |
|        | 242  | Sawmills and planing<br>mills:            |                          |                          |
|        | 2421 | Sawmills and plan-<br>ing mills.....      | -1.5                     | +3                       |
| 44     | 2426 | Hardwood dimen-<br>sion and flooring..    |                          |                          |
|        | 243  | Millwork and related<br>products:         |                          |                          |
| 45     | 2431 | Millwork plants.....                      | +2.2                     | +2.3                     |
| 46     | 2432 | Veneer and plywood<br>plants.....         | +5.7                     | +5.7                     |
| 47     | 2445 | Cooperage.....                            | -4.7                     | +2                       |
| 48     | 2491 | Wood preserving.....                      | +2                       | 0.0                      |
|        | 25   | <b>Furniture and<br/>fixtures.....</b>    | +4.7                     | +3.6                     |
|        | 251  | Household furniture:                      |                          |                          |
| 49     | 2511 | Wood furniture, not<br>upholstered.....   | +3.4                     | +4.6                     |
|        | 2512 | Wood furniture,<br>upholstered.....       | +5.3                     | +2.8                     |
| 50     | 2515 | Mattresses and<br>bedsprings.....         |                          |                          |
| 51     | 2514 | Metal household<br>furniture.....         | +4.4                     | +4                       |
|        | 252  | Office Furniture:                         |                          |                          |
| 52     | 2521 | Wood office<br>furniture.....             | +5.8                     | +6.8                     |
| 53     | 2522 | Metal office<br>furniture.....            | +6.4                     | +3.3                     |
| 54     | 2531 | Public building furniture..               | +9.1                     | +7.4                     |
| 55     | 254  | Partitions and fixtures...                | +7.6                     | +7.1                     |
|        | 26   | <b>Paper and allied<br/>products.....</b> | +6.4                     | +4.3                     |
|        | 2611 | Pulp mills.....                           |                          |                          |
|        | 2621 | Paper mills, except<br>building.....      | +6.0                     | +3.6                     |
| 56     | 2631 | Paperboard mills.....                     |                          |                          |
|        | 2661 | Building paper and<br>board mills.....    |                          |                          |
|        | 264  | Paper and paperboard<br>products:         |                          |                          |
| 57     | 2641 | Paper coating and<br>glazing.....         | +10.7                    | +6.8                     |
| 58     | 2642 | Envelopes.....                            | +5.7                     | +4.3                     |
| 59     | 2643 | Bags, except textile<br>bags.....         | +8.1                     | +3.7                     |
| 60     | 2645 | Die-cut paper and<br>board.....           | +4.1                     | +7.6                     |

| Number | SIC  | Industry  | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
|        | 265  | Paperboard containers<br>and boxes:                 |                          |                          |
|        | 2651 | Folding paperboard<br>boxes.....                    |                          |                          |
| 61     | 2652 | Setup paper boxes.....                              | +5.5                     | +4.3                     |
|        | 2653 | Corrugated shipping<br>containers.....              |                          |                          |
| 62     | 2655 | Fiber cans, tubes,<br>drums, etc.....               | +5.3                     | +8.1                     |
|        | 27   | <b>Printing and<br/>publishing.....</b>             | +6.0                     | +5.1                     |
| 63     | 2711 | Newspapers.....                                     | +5.2                     | +4.0                     |
| 64     | 2721 | Periodicals.....                                    | +5.5                     | +6.2                     |
|        | 273  | Books:  |                          |                          |
| 65     | 2731 | Books, publishing<br>and printing.....              | +8.3                     | +10.0                    |
| 66     | 2732 | Book printing.....                                  | +12.4                    | +9.6                     |
| 67     | 2771 | Greeting cards.....                                 | +9.0                     | +2.8                     |
|        | 279  | Printing trades services:                           |                          |                          |
| 68     | 2793 | Photoengraving.....                                 | +4.1                     | -2.5                     |
| 69     | 2794 | Electrotyping and<br>stereotyping.....              | +1.8                     | -2.7                     |
|        | 28   | <b>Chemicals and allied<br/>products.....</b>       | +7.1                     | +5.9                     |
|        | 281  | Basic chemicals:                                    |                          |                          |
| 70     | 2812 | Alkalies and<br>chlorine.....                       | +6.8                     | +4.5                     |
| 71     | 2813 | Industrial gases.....                               | +8.2                     | +7.9                     |
| 72     | 2814 | Cyclic (coal tar)<br>crudes.....                    | +4.0                     | +1.5                     |
| 73     | 2816 | Inorganic pigments..                                | +7.3                     | +3.5                     |
|        | 282  | Fibers, plastics, rubbers:                          |                          |                          |
| 74     | 2821 | Plastics materials...                               | +11.2                    | +4.0                     |
| 75     | 2822 | Synthetic rubber...                                 | +8.6                     | +7.5                     |
|        | 2823 | Cellulosic man-<br>made fibers.....                 | +4.1                     | +8.3                     |
| 76     | 2824 | Organic fibers, non-<br>cellulosic.....             |                          |                          |
|        | 283  | Drugs:  |                          |                          |
| 77     | 2831 | Biological products..                               | +7.4                     | +6.6                     |
| 78     | 2834 | Pharmaceutical<br>preparations.....                 | +8.7                     | +6.5                     |
| 79     | 2844 | Toilet preparations.....                            | +10.8                    | +10.4                    |
|        | 287  | Agricultural chemicals:                             |                          |                          |
|        | 2871 | Fertilizers.....                                    |                          |                          |
| 80     | 2872 | Fertilizers, mixing<br>only.....                    | +2.7                     | +7.9                     |
| 81     | 2893 | Printing ink.....                                   | +4.6                     | +3.6                     |
|        | 29   | <b>Petroleum and coal<br/>products.....</b>         | +2.7                     | +5.7                     |
| 82     | 2911 | Petroleum refining.....                             | +4.6                     | +5.8                     |
| 83     | 2952 | Asphalt felts and coatings.                         | +2.5                     | +8                       |
|        | 30   | <b>Rubber and plastics<br/>products, n.e.c.....</b> | +9.3                     | +7.1                     |
| 84     | 3011 | Tires and inner tubes...                            | +6.4                     | +1.4                     |
| 85     | 3021 | Rubber footwear.....                                | +4.0                     | +7.9                     |

| Number | SIC  | Industry  | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
| 86     | 3031 | Reclaimed rubber.....   | +6.0                     | +2.3                     |
| 87     | 3069 | Fabricated rubber<br>products, n.e.c.....                           | +5.2                     | +5.0                     |
| 88     | 3079 | Plastics products, n.e.c....  | +9.9                     | +11.5                    |
|        | 31   | <b>Leather and leather<br/>products.....</b>                        | +3.3                     | +1.4                     |
| 89     | 3111 | Leather tanning and<br>finishing.....                               | -.2                      | -2.6                     |
| 90     | 3121 | Industrial leather belting..  | +2.3                     | -.9                      |
| 91     | 3131 | Footwear cut stock.....   | +4.4                     | -1.0                     |
| 92     | 3141 | Footwear, except rubber:<br>Footwear, except<br>house slippers..... | +3.9                     | +2.0                     |
| 93     | 3142 | House slippers.....   | +4.7                     | +2.2                     |
| 94     | 3151 | Leather gloves.....   | +6                       | +3.2                     |
| 95     | 3161 | Luggage.....  | +4.6                     | +2.1                     |
| 96     | 3171 | Handbags and purses.....  | +5.6                     | +4.6                     |
|        | 32   | <b>Stone, clay, and glass<br/>products.....</b>                     | +7.7                     | +3.8                     |
| 97     | 3211 | Flat glass.....   | +6.8                     | 0.0                      |
|        | 322  | Pressed and blown<br>glassware:                                     |                          |                          |
| 98     | 3221 | Glass containers.....   | +7.9                     | +3.5                     |
| 99     | 3229 | Pressed and blown<br>glass, n.e.c.....                              | +6.2                     | +6.4                     |
| 100    | 3231 | Products of purchased<br>glass.....                                 | +4.9                     | +2.5                     |
| 101    | 3241 | Cement, hydraulic.....  | +8.1                     | +1.0                     |
|        | 325  | Structural clay products:   |                          |                          |
| 102    | 3251 | Brick and structural<br>tile.....                                   | +4.3                     | +2.8                     |
| 103    | 3253 | Ceramic wall and<br>floor tile.....                                 | +9.1                     | +2.7                     |
| 104    | 3255 | Clay refractories.....  | +3.1                     | -.5                      |
|        | 326  | Pottery and related<br>products:                                    |                          |                          |
| 105    | 3261 | Vitreous plumbing<br>fixtures.....                                  | +4.7                     | -1.3                     |
| 106    | 3262 | Vitreous china food<br>utensils.....                                | +2.2                     | +9                       |
| 107    | 3263 | Earthenware food<br>utensils.....                                   | -5.0                     | -2.0                     |
| 108    | 3264 | Porcelain electrical<br>supplies.....                               | +3.3                     | +4.5                     |
|        | 327  | Concrete and plaster<br>products:                                   |                          |                          |
| 109    | 3271 | Concrete block and<br>brick.....                                    | +7.4                     | +4.3                     |
|        | 3272 | Concrete products.....  |                          |                          |
| 110    | 3274 | Lime.....   | +6.5                     | +3.9                     |
| 111    | 3275 | Gypsum products.....  | +8.4                     | +2.8                     |
|        | 329  | Nonmetallic minerals,<br>n.e.c.:                                    |                          |                          |
| 112    | 3291 | Abrasive products.....  | +7.1                     | +6.8                     |
| 113    | 3292 | Asbestos products.....  | +6.9                     | +1.7                     |

| Number | SIC  | Industry                                  | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
| 114    | 3293 | Gaskets and<br>insulations.....           | +1.6                     | +6.9                     |
|        | 33   | <b>Primary metal<br/>industries.....</b>  | +5.5                     | +2.8                     |
|        | 331  | Steel rolling and<br>finishing:           |                          |                          |
| 115    | 3313 | Electrometallurgical<br>products.....     | +6.8                     | -5.1                     |
| 116    | 3317 | Steel pipe and tubes.....                 | +8.2                     | -1.8                     |
|        | 332  | Iron and steel foundries:                 |                          |                          |
| 117    | 3321 | Gray iron foundries..                     | +2.0                     | +4.6                     |
| 118    | 3322 | Malleable iron<br>foundries.....          | +1.7                     | +5.3                     |
| 119    | 3323 | Steel foundries.....                      | +2.4                     | +2.9                     |
|        | 333  | Primary nonferrous<br>metal:              |                          |                          |
| 120    | 3331 | Primary copper.....                       | +6.4                     | +9.5                     |
| 121    | 3332 | Primary lead.....                         | -.4                      | -3.9                     |
| 122    | 3333 | Primary zinc.....                         | -1.7                     | +3.8                     |
| 123    | 3334 | Primary aluminum..                        | +17.3                    | +3.6                     |
| 124    | 3341 | Secondary nonferrous<br>metals.....       | +2.0                     | +8.1                     |
| 125    | 3356 | Rolling and drawing,<br>n.e.c.....        | +10.9                    | +4.0                     |
|        | 336  | Nonferrous foundries:                     |                          |                          |
|        | 3361 | Aluminum castings..                       |                          |                          |
|        | 3362 | Brass, bronze, cop-<br>per castings.....  | +3.6                     | +4.6                     |
| 126    | 3369 | Nonferrous castings,<br>n.e.c.....        |                          |                          |
| 127    | 3391 | Iron and steel forgings...                | +2.7                     | +2.1                     |
|        | 34   | <b>Fabricated metal<br/>products.....</b> | +5.4                     | +4.8                     |
| 128    | 3411 | Metal cans.....                           | +7.6                     | +5.1                     |
|        | 342  | Cutlery, hand tools,<br>hardware:         |                          |                          |
| 129    | 3421 | Cutlery.....                              | +1.4                     | +8.4                     |
| 130    | 3425 | Hand saws and saw<br>blades.....          | +2.1                     | +2.1                     |
| 131    | 3429 | Hardware, n.e.c.....                      | +6.4                     | +5.0                     |
|        | 343  | Plumbing and nonelec-<br>tric heating:    |                          |                          |
|        | 3431 | Plumbing fixtures...                      |                          |                          |
| 132    | 3432 | Plumbing fittings,<br>brass goods.....    | +1.8                     | +7                       |
|        | 344  | Structural metal<br>products:             |                          |                          |
|        | 3441 | Fabricated structural<br>steel.....       |                          |                          |
|        | 3446 | Architectural and or-<br>namental metal   | +7.0                     | +1                       |
| 133    | 3449 | Miscellaneous metal<br>work, n.e.c.....   |                          |                          |
| 134    | 3442 | Metal doors, sash,<br>and trim.....       | +10.2                    | +2.3                     |

| Number | SIC  | Industry                                | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
| 135    | 3443 | Boiler shop products                    | +5.2                     | - .4                     |
| 136    | 3444 | Sheet metal work                        | +5.4                     | +3.6                     |
|        | 345  | Screw machine products<br>and bolts:    |                          |                          |
| 137    | 3451 | Screw machine<br>products               | +2.3                     | +3.4                     |
| 138    | 3452 | Bolts, nuts, washers,<br>and rivets     | +4.8                     | +3.3                     |
| 139    | 3461 | Metal stampings                         | +3.4                     | +2.6                     |
| 140    | 3471 | Plating and polishing                   | +7.4                     | +4.9                     |
| 141    | 3481 | Fabricated wire products                | +3.7                     | +2.3                     |
|        | 349  | Fabricated metal<br>products, n.e.c.:   |                          |                          |
| 142    | 3491 | Metal barrels, drums<br>and pails       | +2.5                     | +1.9                     |
| 143    | 3492 | Safes and vaults                        | +7.3                     | +6.3                     |
| 144    | 3493 | Steel springs                           | +2.8                     | +1.5                     |
| 145    | 3494 | Valves and pipe<br>fittings             | +5.1                     | +4.0                     |
| 146    | 3498 | Fabricated pipe and<br>fittings         | +6.1                     | -1.5                     |
|        | 35   | <b>Machinery, except<br/>electrical</b> | +3.8                     | +4.1                     |
|        | 351  | Engines and turbines:                   |                          |                          |
|        | 3511 | Steam engines and<br>turbines           | +7.9                     | - .8                     |
| 147    | 3519 | Internal combustion<br>engines          |                          |                          |
|        | 353  | Construction and like<br>equipment:     |                          |                          |
| 148    | 3533 | Oil field machines<br>and equipment     | +5.4                     | + .6                     |
| 149    | 3534 | Elevators and mov-<br>ing stairways     | +7.2                     | +10.5                    |
| 150    | 3537 | Industrial trucks<br>and tractors       | +3.0                     | +7.5                     |
| 151    | 3541 | Metal-cutting machine<br>tools          | - .7                     | +5.8                     |
|        | 355  | Special industry<br>machinery:          |                          |                          |
| 152    | 3551 | Food products<br>machinery              | +4.7                     | +7.6                     |
| 153    | 3552 | Textile machinery                       | -1.2                     | +7.2                     |
| 154    | 3553 | Woodworking<br>machinery                | +3.6                     | +2.8                     |
| 155    | 3554 | Paper industries<br>machinery           | +6.8                     | +6.8                     |
| 156    | 3555 | Printing trades<br>machinery            | +3.9                     | +8.2                     |
|        | 356  | General industrial<br>machinery:        |                          |                          |
| 157    | 3561 | Pumps and<br>compressors                | +6.2                     | +5.5                     |
| 158    | 3562 | Ball and roller<br>bearings             | +5.5                     | +5.0                     |
| 159    | 3564 | Blowers and fans                        | +4.6                     | +3.1                     |

| Number | SIC  | Industry                             | Growth rates             |                          |
|--------|------|--------------------------------------|--------------------------|--------------------------|
|        |      |                                      | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
|        | 357  | Office machines, n.e.c.:             |                          |                          |
| 160    | 3571 | Computing and re-<br>lated machines  | +10.8                    | +12.3                    |
| 161    | 3572 | Typewriters                          | +5.4                     | +4.4                     |
| 162    | 3576 | Scales and balances                  | +2.6                     | +2.2                     |
|        | 358  | Service industry<br>machines:        |                          |                          |
| 163    | 3582 | Commercial laundry<br>equipment      | +4.0                     | - .6                     |
| 164    | 3586 | Measuring and dis-<br>pensing pumps  | + .1                     | +4.9                     |
| 165    | 3599 | Miscellaneous machinery              | +9.8                     | +6.4                     |
|        | 36   | <b>Electrical machinery</b>          | +9.1                     | +9.0                     |
|        | 361  | Electric distribution<br>products:   |                          |                          |
| 166    | 3611 | Electric measuring<br>instruments    | +15.0                    | +3.0                     |
| 167    | 3612 | Transformers                         | +4.3                     | -0.9                     |
|        | 3613 | Switchgear and<br>switchboards       | +6.6                     | +3.7                     |
| 168    | 3622 | Industrial controls                  |                          |                          |
|        | 362  | Electric industrial<br>apparatus:    |                          |                          |
| 169    | 3621 | Motors and<br>generators             | + .6                     | +1.6                     |
| 170    | 3624 | Carbon and graphite<br>products      | +8.0                     | +4.3                     |
| 171    | 3629 | Electric industrial<br>goods, n.e.c. | +11.4                    | -1.5                     |
|        | 363  | Household appliances:                |                          |                          |
| 172    | 3633 | Household laundry<br>equipment       | +6.0                     | +5.7                     |
| 173    | 3635 | Household vacuum<br>cleaners         | + .4                     | +4.5                     |
| 174    | 3636 | Sewing machines                      | -2.8                     | +5.3                     |
|        | 364  | Lighting and wiring<br>devices:      |                          |                          |
| 175    | 3641 | Electric lamps                       | +7.8                     | +4.3                     |
| 176    | 3642 | Lighting fixtures                    | +4.5                     | +6.9                     |
|        | 3643 | Current carrying<br>devices          | +5.4                     | +7.6                     |
| 177    | 3644 | Noncurrent carrying<br>devices       |                          |                          |
| 178    | 3652 | Phonograph records                   | +5.1                     | +8.1                     |
| 179    | 3661 | Telephone, telegraph<br>apparatus    | +8.6                     | +7.4                     |
|        | 369  | Electrical products,<br>n.e.c.:      |                          |                          |
| 180    | 3691 | Storage batteries                    | +2.9                     | +8.1                     |
| 181    | 3692 | Primary batteries,<br>dry and wet    | +5.7                     | +7.0                     |
| 182    | 3693 | X-ray and thera-<br>peutic apparatus | +5.5                     | +6.9                     |
| 183    | 3694 | Engine electrical<br>equipment       | +5.5                     | +4.5                     |



| Number | SIC  | Industry                                      | Growth rates             |                          |
|--------|------|---|--------------------------|--------------------------|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |
|        | 37   | <b>Transportation equipment</b> .....         | +7.2                     | +5.2                     |
|        | 371  | <b>Motor vehicles and equipment:</b>          |                          |                          |
| 184    | 3713 | Truck and bus bodies.....                     | +3.0                     | +7.5                     |
| 185    | 3715 | Truck trailers.....                           | +5.4                     | +5.4                     |
| 186    | 3717 | Motor vehicles and parts.....                 | +4.6                     | +8.5                     |
|        | 372  | <b>Aircraft and parts:</b>                    |                          |                          |
| 187    | 3721 | Aircraft.....                                 | +10.4                    | -1.7                     |
| 188    | 3722 | Aircraft engines and parts.....               | +10.8                    | +4.5                     |
| 189    | 3723 | Aircraft propellers and parts.....            | +7.2                     | -3.2                     |
|        | 373  | <b>Ships and boats:</b>                       |                          |                          |
| 190    | 3731 | Ship building and repairing.....              | +6.5                     | +1.7                     |
| 191    | 3732 | Boat building and repairing.....              | +14.2                    | +2                       |
|        | 374  | <b>Railroad equipment:</b>                    |                          |                          |
| 192    | 3741 | Locomotives and parts.....                    | -2.7                     | -.4                      |
| 193    | 3742 | Railroad and street cars.....                 | -1.0                     | +6.3                     |
| 194    | 3751 | Motorcycles, bicycles, and parts.....         | +6                       | +6.7                     |
| 195    | 3799 | Transportation equipment, n.e.c.....          | +2.4                     | +10.6                    |
|        | 38   | <b>Instruments and related products</b> ..... | +9.1                     | +6.6                     |
| 196    | 3811 | Scientific instruments.....                   | +15.8                    | -4.9                     |

| Number | SIC  | Industry                                  | Growth rates             |                          |     |
|--------|------|---|--------------------------|--------------------------|-----|
|        |      |   | 1947-53<br>to<br>1957-60 | 1957-60<br>to<br>1960-64 |     |
| 197    | 3831 | Optical instruments and lenses.....       | +2.3                     | +9.7                     |     |
| 198    | 3843 | Dental equipment and supplies.....        | +6.0                     | +5.1                     |     |
| 199    | 3851 | Ophthalmic goods.....                     | +3.8                     | +4.0                     |     |
| 200    | 3861 | Photographic equipment.....               | +10.2                    | +8.8                     |     |
| 201    | 3871 | Watches and clocks.....                   | +1.9                     | +6.9                     |     |
|        | 39   | <b>Miscellaneous manufacturing</b> .....  |                          |                          |     |
|        | 391  | <b>Jewelry and silverware:</b>            |                          |                          |     |
| 202    | 3912 | Jewelers' findings and materials.....     | -1.8                     | +3.9                     |     |
| 203    | 3914 | Silverware and plated ware.....           | -1.0                     | +3.6                     |     |
| 204    | 3949 | Sporting and athletic goods, n.e.c.....   | +11.6                    | +4.3                     |     |
|        | 395  | <b>Office supplies:</b>                   |                          |                          |     |
| 205    | 3951 | Pens and mechanical pencils.....          | +2.2                     | +4.4                     |     |
| 206    | 3953 | Marking devices.....                      | +9.1                     | +11.9                    |     |
| 207    | 3964 | Needles, pins, and fasteners.....         | +3.2                     | +7.5                     |     |
| 208    | 398  | } <b>Miscellaneous manufactures</b> ..... |                          |                          |     |
|        | 399  |   |                          | +5.4                     | 0.0 |
|        | 190  |   |                          |                          |     |
| 209    | 3981 | Brooms and brushes.....                   | +4.8                     | +2.4                     |     |
| 210    | 3982 | Hard surface floor coverings.....         | +1.6                     | +2.8                     |     |
| 211    | 3983 | Matches.....                              | +2.2                     | -2.2                     |     |
| 212    | 3984 | Candles.....                              | +8.4                     | +5.4                     |     |
| 213    | 3988 | Morticians' goods.....                    | +5.0                     | +4.0                     |     |
| 214    | 3992 | Furs, dressed and dyed.....               | -5.5                     | +1.5                     |     |
| 215    | 3993 | Signs and advertising displays.....       | +6.5                     | +7.1                     |     |

## Part IV. INTERNATIONAL COMPARISONS

Comparative measures of economic growth for the United States, Japan, West Germany, the United Kingdom, France, Italy, and Canada are presented in this part. First, measures of total output (in most instances, real GNP) are shown on charts. Then, growth rates for selected time periods are shown for the total output measures and also for output per capita and output per employee. Next, tables showing the distribution of total output by major industry of origin and the distribution of the labor force (employment for 1950 to date) by industry are shown. Finally, the percent of national product directed to investment (including residential and other construction and machinery and equipment) is shown.

The output data in this section are those published by the Organisation for Economic Cooperation and Development (OECD) for the post-World War II period and by Angus Maddison in *ECONOMIC GROWTH IN THE WEST* and in a forthcoming publication, *THE ECONOMICS OF MAXIMUM GROWTH*, for the period 1870 to 1950 or 1955. The OECD adjusts the figures provided by its member countries, where necessary, to the *STANDARDIZED SYSTEM OF NATIONAL ACCOUNTS* in order to obtain better intercountry comparability. In the case of the United States, the adjustment is negligible, about 0.2 percent each year. Thus, the growth rates for the official U.S. series in part I (series A2) and the OECD adjusted series can be used interchangeably. Since they are more up to date, the growth rates computed from the official U.S. series are presented in addition to the OECD figures. Maddison obtained his data from various private and government sources and adjusted them to conform as well as possible to the OECD definitions and to allow for changes in national boundaries. For the United States, he used the Kuznets-Kendrick estimates of total GNP presented in part I, with slight adjustments for the period 1913 to 1933 and a substantial upward adjustment to the 1869-73 average (centered on 1871) as explained in the series descriptions (see series D1 to D7 in appendix 2).

International comparisons involve many definitional and measurement problems similar to, but even more complex than those discussed briefly in the introduction to this report. Broad conceptual problems arise when comparing economies with different cultures or economies directed toward different goals. For the coun-

tries compared in this report, such problems are less serious, but are still present.

There are also problems of a technical nature which arise either from the broader conceptual issues or from differences in the various countries' statistical systems. One such problem is that the figures for early years are not as accurate as the later data. This pertains to both the U.S. data and the data for the foreign countries compared here. A second problem is that some countries define, classify, and measure output and employment differently than others, although adjustments, such as those made by the OECD to the GNP series, can compensate to some extent for such differences.

A third technical problem is that of evaluating different countries' output on a common monetary basis. Although this is not considered too serious a problem in the growth rate comparisons presented in this report, its consideration here is worthwhile since some idea of comparative levels is frequently desired. The output measures—the measure in each country being weighted by its own relative prices—can be converted to a common currency unit using the official exchange rates. This is a simple procedure, but can severely distort the picture when the exchange rates do not reflect the comparative price levels of the countries. For example, if the price level of country A is lower than that of country B, the output of country A converted to country B's currency at the exchange rate will be understated.

An alternative is to construct output measures in which the components of real GNP of the different countries are weighted by the relative prices of one of the countries being compared. Thus, the output levels of the European countries may be compared to the United States in terms of U.S. prices or, similarly, they may be compared in terms of average European prices. Since the relative prices in the United States differ from those in Europe, the results vary depending on whether U.S. or European prices are used. Another alternative is to take the average of the U.S. and European prices as weights in constructing the output measures.

As a rough backdrop against which the growth-rate comparisons made in this report can be interpreted, the post-World War II levels of output are compared on the basis of U.S. and average European prices, and local prices converted at official exchange rates in the table below.

It should also be kept in mind that the output data presented here do not provide a complete basis for assessing current or prospective growth trends. Specifically, these output comparisons do not take account of the changes in

the utilization of labor and capital, nor of the prospective trends in population, labor force, productivity, etc. Such additional data for the foreign countries are beyond the scope of the present report.

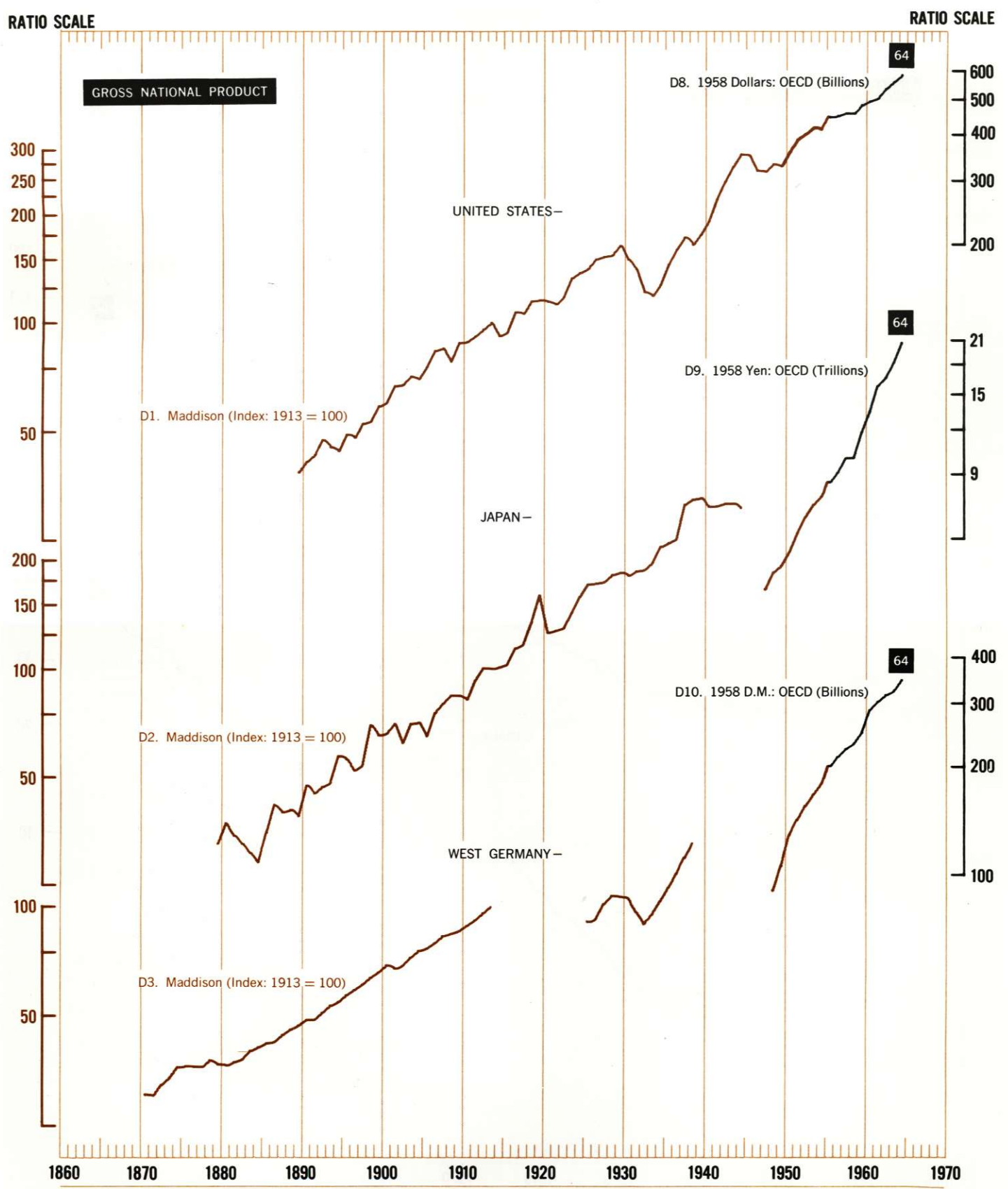
**Table C.**  
INDEXES OF  
GROSS  
NATIONAL PRODUCT  
FOR THE  
UNITED STATES  
AND SELECTED  
FOREIGN COUNTRIES

| Country            | Indexes of per capita GNP |      |      |                        |      |      |                |      |      | Indexes of GNP     |      |      |                        |      |      |
|--------------------|---------------------------|------|------|------------------------|------|------|----------------|------|------|--------------------|------|------|------------------------|------|------|
|                    | U.S. price weights        |      |      | European price weights |      |      | Exchange rates |      |      | U.S. price weights |      |      | European price weights |      |      |
|                    | 1950                      | 1955 | 1964 | 1950                   | 1955 | 1964 | 1950           | 1955 | 1964 | 1950               | 1955 | 1964 | 1950                   | 1955 | 1964 |
| United States..... | 100                       | 100  | 100  | 100                    | 100  | NA   | 100            | 100  | NA   | 100                | 100  | 100  | 100                    | 100  | NA   |
| United Kingdom...  | 62                        | 64   | 70   | 49                     | 51   | NA   | 37             | 42   | NA   | 21                 | 20   | 20   | 16                     | 16   | NA   |
| Germany.....       | 44                        | 58   | 76   | 32                     | 44   | NA   | 26             | 35   | NA   | 13                 | 18   | 22   | 10                     | 13   | NA   |
| Italy.....         | 30                        | 35   | 48   | 21                     | 24   | NA   | 16             | 19   | NA   | 9                  | 10   | 13   | 6                      | 7    | NA   |
| France.....        | 53                        | 56   | 69   | 40                     | 43   | NA   | 35             | 47   | NA   | 15                 | 15   | 17   | 11                     | 11   | NA   |
| Japan.....         | NA                        | NA   | 55   | NA                     | NA   | NA   | NA             | NA   | NA   | NA                 | NA   | 28   | NA                     | NA   | NA   |

NA Not available.

Source: Milton Gilbert and Associates, *Comparative National Products and Price Levels*, Organisation for European Economic Cooperation. Angus Maddison, "Japanese Economic Performance," *Banca Nazionale del Lavoro Quarterly Review*, December 1965.

part **IV.** INTERNATIONAL COMPARISONS  
 chart **16.** Gross national product of the United States and six countries







part **IV.** INTERNATIONAL COMPARISONS  
table **7.** Growth rates of gross national product and output per employee for the United States and six countries

| Period   | United States    | United States    | Japan            | Germany          | United Kingdom | France   | Italy    | Canada   |
|--|------------------|------------------|------------------|------------------|----------------|----------|----------|----------|
| <b>GROWTH RATES OF GROSS NATIONAL PRODUCT</b>            |                  |                  |                  |                  |                |          |          |          |
|  | A1, A2           | D1, D8           | D2, D9           | D3               | D4, D11        | D5, D12  | D6, D13  | D7, D14  |
| 1870-1964.....   | <sup>1</sup> 3.6 | <sup>2</sup> 3.7 | <sup>3</sup> 3.8 | 2.8              | 1.9            | 1.7      | 2.0      | 3.5      |
| 1870-1965.....   | 3.6              | —                | —                | —                | —              | —        | —        | —        |
| 1870-1913.....   | <sup>1</sup> 4.5 | <sup>2</sup> 4.3 | <sup>3</sup> 3.3 | 2.8              | 2.1            | 1.6      | 1.4      | 3.8      |
| 1913-29.....   | 2.8              | 3.1              | 3.9              | 0.4              | 0.8            | 1.7      | 1.8      | 2.4      |
| 1929-64.....   | 3.0              | 3.2              | 4.2              | 3.9              | 2.2            | 1.9      | 2.9      | 3.6      |
| 1929-65.....   | 3.1              | —                | —                | —                | —              | —        | —        | —        |
| 1929-50.....   | 2.7              | 2.9              | 0.6              | 1.9              | 1.6            | 0.0      | 1.0      | 3.2      |
| 1950-64.....   | 3.6              | 3.6              | 9.9              | 7.0              | 3.0            | 4.8      | 5.8      | 4.3      |
| 1950-65.....   | 3.7              | —                | —                | —                | —              | —        | —        | —        |
| 1950-60.....   | 3.2              | 3.2              | 9.4              | 7.8              | 2.7            | 4.6      | 5.8      | 4.0      |
| 1960-64.....   | 4.4              | 4.3              | 11.4             | 4.8              | 3.6            | 5.4      | 5.7      | 5.1      |
| 1960-65.....   | 4.7              | —                | —                | —                | —              | —        | —        | —        |
| <b>GROWTH RATES OF OUTPUT PER EMPLOYEE</b>               |                  |                  |                  |                  |                |          |          |          |
|  | A158, A159       | D28, D35         | D29              | D30, D36         | D31, D37       | D32, D38 | D33, D39 | D34, D40 |
| 1870-1964.....   | —                | <sup>1</sup> 1.9 | —                | <sup>4</sup> 1.7 | 1.1            | 1.7      | 1.6      | 1.7      |
| 1870-1913.....   | —                | <sup>2</sup> 1.9 | —                | <sup>1</sup> 1.6 | 1.0            | 1.4      | 0.8      | 1.7      |
| 1913-29.....   | 1.2              | 1.5              | —                | -0.1             | 0.4            | 2.0      | 1.5      | 0.7      |
| 1929-64.....   | 1.8              | 1.9              | —                | <sup>2</sup> 2.9 | 1.5            | 2.0      | 2.7      | 2.1      |
| 1929-65.....   | 1.8              | —                | —                | —                | —              | —        | —        | —        |
| 1929-50.....   | 1.5              | 1.7              | —                | 1.2              | 1.1            | 0.3      | 1.0      | 2.0      |
| 1950-64.....   | 2.3              | 2.4              | 7.8              | <sup>5</sup> 5.4 | 2.2            | 4.6      | 5.2      | 2.2      |
| 1950-65.....   | 2.4              | —                | —                | —                | —              | —        | —        | —        |
| 1950-60.....   | 2.0              | 2.1              | 6.9              | 5.9              | 2.0            | 4.6      | 4.7      | 2.1      |
| 1960-64.....   | 3.0              | 2.9              | 10.2             | <sup>4</sup> 4.3 | 2.7            | 4.6      | 6.5      | 2.4      |
| 1960-65.....   | 3.1              | —                | —                | —                | —              | —        | —        | —        |
| <b>GROWTH RATES OF PER CAPITA GROSS NATIONAL PRODUCT</b> |                  |                  |                  |                  |                |          |          |          |
|  | A11, A12         | D54, D61         | D55              | D56, D62         | D57, D63       | D58, D64 | D59, D65 | D60, D66 |
| 1870-1964.....   | <sup>1</sup> 1.9 | <sup>2</sup> 2.0 | —                | <sup>4</sup> 1.7 | 1.3            | 1.5      | 1.4      | 1.7      |
| 1870-1965.....   | 1.9              | —                | —                | —                | —              | —        | —        | —        |
| 1870-1913.....   | <sup>1</sup> 2.2 | <sup>2</sup> 2.2 | —                | <sup>1</sup> 1.7 | 1.2            | 1.4      | 0.7      | 2.0      |
| 1913-29.....   | 1.3              | 1.7              | —                | 0.0              | 0.3            | 1.8      | 1.2      | 0.7      |
| 1929-64.....   | 1.7              | 1.8              | —                | <sup>2</sup> 2.8 | 1.7            | 1.4      | 2.2      | 1.8      |
| 1929-65.....   | 1.8              | —                | —                | —                | —              | —        | —        | —        |
| 1929-50.....   | 1.6              | 1.7              | —                | 0.7              | 1.2            | 0.0      | 0.3      | 1.8      |
| 1950-64.....   | 1.8              | 1.9              | 8.7              | <sup>5</sup> 5.9 | 2.4            | 3.8      | 5.2      | 1.8      |
| 1950-65.....   | 2.0              | —                | —                | —                | —              | —        | —        | —        |
| 1950-60.....   | 1.4              | 1.5              | 8.1              | 6.9              | 2.3            | 3.7      | 5.2      | 1.3      |
| 1960-64.....   | 2.8              | 2.7              | 10.3             | <sup>3</sup> 3.5 | 2.7            | 3.9      | 5.0      | 3.2      |
| 1960-65.....   | 3.2              | —                | —                | —                | —              | —        | —        | —        |

<sup>1</sup> Initial year is average of 1869 to 1878 centered on 1874.

<sup>2</sup> Initial year is 1871.

<sup>3</sup> Initial year is 1879.

<sup>4</sup> Based on data which include the Saar and West Berlin for 1960 through 1964.

part **IV.** INTERNATIONAL COMPARISONS

table **8.** Output by industry divisions for the United States and six countries

(Percent of total output)

| Period  | United States     | Japan | Germany | United Kingdom | France | Italy | Canada |
|---|-------------------|-------|---------|----------------|--------|-------|--------|
| AGRICULTURE, FORESTRY, FISHERIES, 1860-1949                                       |                   |       |         |                |        |       |        |
| 1860-69   | —                 | —     | 32      | —              | 45     | 57    | —      |
| 1870-79   | 20                | 65    | 27      | —              | 43     | 56    | 45     |
| 1880-89   | 16                | 58    | 22      | —              | 41     | 48    | 43     |
| 1890-99   | 17                | 52    | 17      | 10             | 37     | 46    | 35     |
| 1900-09   | 17                | 46    | 18      | —              | 35     | 44    | 33     |
| 1910-19   | 16                | 38    | 18      | 8              | 35     | 43    | 28     |
| 1920-29   | 11                | 29    | 13      | 3              | 22     | 36    | 24     |
| 1930-39   | 9                 | 20    | 14      | 4              | 21     | 27    | 13     |
| 1940-49   | 8                 | 21    | 10      | 6              | 23     | 38    | 14     |
| MINING, MANUFACTURING, CONSTRUCTION, 1860-1949                                    |                   |       |         |                |        |       |        |
| 1860-69   | —                 | —     | 24      | —              | 30     | 20    | —      |
| 1870-79   | 21                | 11    | 33      | —              | 30     | 20    | 24     |
| 1880-89   | 24                | 14    | 24      | —              | 30     | 21    | 24     |
| 1890-99   | 26                | 19    | 28      | 37             | 33     | 22    | 30     |
| 1900-09   | 26                | 21    | 38      | —              | 37     | 25    | 28     |
| 1910-19   | 28                | 25    | 39      | 39             | 37     | 27    | 30     |
| 1920-29   | 27                | 26    | 42      | 49             | 39     | 29    | 32     |
| 1930-39   | 28                | 33    | 44      | 47             | 42     | 30    | 32     |
| 1940-49   | 33                | 36    | 44      | 46             | 46     | 30    | 34     |
| ALL OTHER INDUSTRY DIVISIONS, 1860-1949   |                   |       |         |                |        |       |        |
| 1860-69   | —                 | —     | 44      | —              | 25     | 23    | —      |
| 1870-79   | 59                | 24    | 40      | —              | 27     | 24    | 32     |
| 1880-89   | 60                | 28    | 54      | —              | 28     | 31    | 33     |
| 1890-99   | 57                | 29    | 55      | 53             | 30     | 32    | 35     |
| 1900-09   | 57                | 33    | 45      | —              | 28     | 31    | 39     |
| 1910-19   | 56                | 37    | 43      | 53             | 28     | 30    | 42     |
| 1920-29   | 62                | 45    | 45      | 47             | 39     | 35    | 44     |
| 1930-39   | 63                | 47    | 42      | 49             | 37     | 43    | 55     |
| 1940-49   | 59                | 43    | 46      | 48             | 31     | 32    | 52     |
| AGRICULTURE, FORESTRY, FISHERIES, 1950-1964                                       |                   |       |         |                |        |       |        |
| 1950-59   | <sup>1</sup> 4.2  | 19.1  | 8.2     | 4.9            | 11.2   | 22.7  | 9.8    |
| 1960-64   | 3.7               | 13.8  | 5.2     | 3.8            | 8.7    | 16.1  | 6.8    |
| MINING, MANUFACTURING, CONSTRUCTION, 1950-1964                                    |                   |       |         |                |        |       |        |
| 1950-59   | <sup>1</sup> 38.2 | 33.4  | 50.1    | 45.1           | 46.3   | 38.8  | 38.0   |
| 1960-64   | 36.2              | 38.8  | 51.2    | 44.6           | 46.1   | 41.7  | 35.5   |
| ELECTRICITY, GAS, WATER, TRANSPORTATION, COMMUNICATIONS, 1950-1964                |                   |       |         |                |        |       |        |
| 1950-59   | <sup>1</sup> 8.4  | 9.8   | 8.7     | 10.8           | 7.0    | 9.3   | 11.9   |
| 1960-64   | 8.4               | 9.9   | 8.2     | 11.6           | 6.8    | 9.7   | 12.2   |
| WHOLESALE AND RETAIL TRADE, BANKING, INSURANCE, REAL ESTATE (COMMERCE), 1950-1964 |                   |       |         |                |        |       |        |
| 1950-59   | <sup>1</sup> 23.4 | 22.2  | 16.0    | 15.6           | 13.3   | 12.4  | 18.9   |
| 1960-64   | 24.0              | 23.2  | 16.4    | 15.3           | 14.4   | 13.1  | 20.3   |
| SERVICES, 1950-1964   |                   |       |         |                |        |       |        |
| 1950-59   | <sup>1</sup> 25.7 | 15.6  | 17.1    | 23.6           | 22.2   | 16.9  | 21.4   |
| 1960-64   | 27.8              | 14.3  | 19.0    | 24.7           | 24.0   | 19.4  | 25.2   |

<sup>1</sup> Period is 1955-59.  
See series D67 to D122 in appendix 2 for sources of data.

part **IV.** INTERNATIONAL COMPARISONS

table **9.** Labor force and employment by industry divisions for the United States and six countries

(Percent)

| Period  | United States     | Japan             | Germany           | United Kingdom | France            | Italy             | Canada |
|---|-------------------|-------------------|-------------------|----------------|-------------------|-------------------|--------|
| AGRICULTURE, FORESTRY, FISHERIES, 1860-1949 <sup>1</sup>                        |                   |                   |                   |                |                   |                   |        |
| 1860-69.....  | 60                | —                 | —                 | —              | 52                | 62                | —      |
| 1870-79.....  | 52                | 84                | —                 | —              | 53                | 62                | 50     |
| 1880-89.....  | 50                | 79                | 42                | —              | 48                | 57                | 51     |
| 1890-99.....  | 42                | 73                | 36                | 15             | 49                | —                 | 49     |
| 1900-09.....  | 37                | 67                | 34                | —              | 43                | 59                | 43     |
| 1910-19.....  | 31                | 61                | —                 | 12             | —                 | 56                | 39     |
| 1920-29.....  | 27                | 53                | 30                | 6              | 40                | 56                | 36     |
| 1930-39.....  | 22                | 49                | 28                | 6              | 36                | 48                | 32     |
| 1940-49.....  | 18                | 42                | —                 | —              | —                 | —                 | 28     |
| MINING, MANUFACTURING, CONSTRUCTION, 1860-1949 <sup>1</sup>                     |                   |                   |                   |                |                   |                   |        |
| 1860-69.....  | 20                | —                 | —                 | —              | 29                | 25                | —      |
| 1870-79.....  | 24                | 5                 | —                 | —              | 26                | 24                | 13     |
| 1880-89.....  | 25                | 8                 | 36                | —              | 25                | 28                | 29     |
| 1890-99.....  | 28                | 12                | 39                | 54             | 28                | —                 | 27     |
| 1900-09.....  | 29                | 16                | 40                | —              | 32                | 24                | 29     |
| 1910-19.....  | 31                | 18                | —                 | 43             | —                 | 27                | 28     |
| 1920-29.....  | 34                | 22                | 42                | 44             | 35                | 25                | 28     |
| 1930-39.....  | 31                | 21                | 41                | 42             | 35                | 30                | 23     |
| 1940-49.....  | 31                | 26                | —                 | —              | —                 | —                 | 32     |
| ALL OTHER INDUSTRY DIVISIONS, 1860-1949 <sup>1</sup>                            |                   |                   |                   |                |                   |                   |        |
| 1860-69.....  | 20                | —                 | —                 | —              | 20                | 13                | —      |
| 1870-79.....  | 24                | 11                | —                 | —              | 21                | 14                | 37     |
| 1880-89.....  | 25                | 13                | 22                | —              | 27                | 15                | 20     |
| 1890-99.....  | 30                | 15                | 25                | 31             | 23                | —                 | 24     |
| 1900-09.....  | 34                | 17                | 26                | —              | 25                | 16                | 28     |
| 1910-19.....  | 38                | 21                | —                 | 45             | —                 | 17                | 33     |
| 1920-29.....  | 39                | 25                | 28                | 50             | 25                | 19                | 36     |
| 1930-39.....  | 47                | 30                | 31                | 52             | 29                | 22                | 45     |
| 1940-49.....  | 51                | 32                | —                 | —              | —                 | —                 | 41     |
| AGRICULTURE, FORESTRY, FISHERIES, 1950-1964 <sup>2</sup>                        |                   |                   |                   |                |                   |                   |        |
| 1950-59.....  | 11.2              | <sup>3</sup> 38.0 | <sup>4</sup> 16.3 | 5.0            | <sup>5</sup> 25.4 | <sup>5</sup> 38.0 | 17.7   |
| 1960-64.....  | <sup>6</sup> 8.8  | 29.7              | 12.8              | 4.1            | 20.7              | 29.2              | 12.3   |
| MINING, MANUFACTURING, CONSTRUCTION, 1950-1964 <sup>2</sup>                     |                   |                   |                   |                |                   |                   |        |
| 1950-59.....  | 33.7              | <sup>3</sup> 25.2 | <sup>4</sup> 47.1 | 49.4           | <sup>5</sup> 37.3 | <sup>5</sup> 32.6 | 34.7   |
| 1960-64.....  | <sup>6</sup> 31.9 | 29.9              | 48.4              | 46.4           | 38.9              | 38.6              | 32.2   |
| ELECTRICITY, GAS, WATER, TRANSPORTATION, COMMUNICATIONS, 1950-1964 <sup>2</sup> |                   |                   |                   |                |                   |                   |        |
| 1950-59.....  | 6.7               | <sup>3</sup> 4.9  | <sup>4</sup> 6.4  | 9.3            | <sup>5</sup> 6.2  | <sup>5</sup> 4.7  | 8.9    |
| 1960-64.....  | <sup>6</sup> 6.0  | 5.8               | 6.5               | 8.8            | 6.7               | 5.3               | 9.1    |
| COMMERCE, 1950-1964 <sup>2</sup>  |                   |                   |                   |                |                   |                   |        |
| 1950-59.....  | 23.6              | <sup>3</sup> 17.7 | <sup>4</sup> 13.5 | 14.4           | <sup>5</sup> 12.5 | <sup>5</sup> 12.3 | 18.7   |
| 1960-64.....  | <sup>6</sup> 25.0 | 19.1              | 13.9              | 16.4           | 14.0              | 13.3              | 20.7   |
| SERVICES, 1950-1964 <sup>2</sup>  |                   |                   |                   |                |                   |                   |        |
| 1950-59.....  | 24.8              | <sup>3</sup> 14.1 | <sup>4</sup> 16.6 | 21.9           | <sup>5</sup> 18.6 | <sup>5</sup> 12.5 | 20.0   |
| 1960-64.....  | <sup>6</sup> 28.2 | 15.4              | 18.3              | 24.5           | 19.7              | 13.5              | 25.8   |

<sup>1</sup> Labor force data.    <sup>2</sup> Employment data.    <sup>3</sup> Period is 1953-59.    <sup>4</sup> Period is 1957-59.    <sup>5</sup> Period is 1954-59.    <sup>6</sup> Period is 1960-63.  
See series D123 to D178 in appendix 2 for sources of data.

part **IV.** **INTERNATIONAL COMPARISONS**  
table **10.** **Investment as percent of gross national product for the United States and six countries**

(Percent)

| Period       | United States | Japan | Germany           | United Kingdom | France | Italy | Canada            |
|--------------|---------------|-------|-------------------|----------------|--------|-------|-------------------|
| 1860-69..... | —             | —     | —                 | —              | —      | —     | —                 |
| 1870-79..... | —             | —     | —                 | 8.0            | —      | 8.2   | —                 |
| 1880-89..... | —             | —     | —                 | 6.1            | —      | 11.3  | —                 |
| 1890-99..... | 20.0          | —     | —                 | 6.9            | —      | 8.9   | —                 |
| 1900-09..... | 19.0          | —     | —                 | 7.9            | —      | 12.7  | —                 |
| 1910-14..... | 18.0          | —     | —                 | 5.4            | —      | 15.1  | —                 |
| 1920-29..... | 17.3          | —     | <sup>1</sup> 13.8 | 8.7            | —      | 16.0  | <sup>2</sup> 18.6 |
| 1930-38..... | 12.5          | —     | <sup>3</sup> 12.2 | 9.1            | —      | 16.1  | 13.5              |
| 1940-49..... | —             | —     | —                 | —              | —      | —     | —                 |
| 1950-59..... | 17.0          | 24.6  | 21.3              | 14.4           | 17.8   | 19.9  | 23.7              |
| 1960-64..... | 16.6          | 33.4  | 26.7              | 16.6           | 19.9   | 22.7  | 22.1              |

<sup>1</sup> Period is 1925-29.

<sup>2</sup> Period is 1926-29.

<sup>3</sup> Period is 1930-37.

See series D179 to D192 in appendix 2 for sources of data.



## Part V. GROWTH RATE TRIANGLES

This part contains reference tables of average annual growth rates of three key U.S. aggregates: Gross national product, total private man-hours, and gross private product per man-hour. These growth rates have been computed for all combinations of initial and terminal years and are shown in the format of "growth rate triangles." Each triangle has about 3,000 entries and allows the analyst to select any combination of beginning and terminal years he considers appropriate for his study.

A modified compound interest rate table, shown in appendix 1, provides a convenient reference tool for computing growth rates for any series other than the three key series.

Growth rates of gross national product shown in chart 17 are computed by the method of selected points. As noted in the legend of the chart, growth rates computed between years of similar unemployment rates are shown on a white background.<sup>1</sup> Growth rates computed between other years are printed in either black or brown on shaded background. In part A of the chart, the growth rates shown on a white background are those computed between years for which the unemployment rates differ by less than 0.025 of a percentage point per year of the time span. They are designated as *closely approximating* the "actual" rate of economic growth over the

indicated time span. In part B, the rates shown on a white background are those computed between years for which the unemployment rates differ by less than 0.100 of a percentage point per year of the time span. They are considered to approximate *roughly* the "actual" rate of economic growth over the indicated time span.<sup>2</sup>

For all possible combinations of initial and terminal years since 1890, when annual unemployment-rate estimates were first available, there were 2,850 GNP growth rates calculated and then appraised in the light of the similarity of the unemployment-rate estimates. The table below shows the number and range of those GNP growth rates computed between years with similar unemployment rates, as well as the number and range of acceptable growth rates computed between years which were also business cycle peaks. In addition, the ranges of GNP growth rates computed from years of relatively high to years of relatively low unemployment rates and from years of relatively low to years of high unemployment rates are also given in the table.

This technique is intended as a useful although rough guide in selecting appropriate years to compare. The problem is complex and considerable care must still be exercised by the

<sup>1</sup> This technique was suggested by Edward F. Denison.

<sup>2</sup> The unemployment rate limits are based on the following two factors:

(1) For a given time span there is a range within which the initial or terminal year levels of GNP may vary without affecting the annual growth rate by more than a tenth of a percentage point. For example, a difference of  $\leq 0.048$  percent in the level of GNP in the initial or terminal years affects a growth rate of 3.0 percent computed over a 1-year span by  $\leq 0.1$  point, while over a 50-year span a much larger difference in the level of GNP,  $\leq 2.42$  percent, affects the computed growth rate to the same degree,  $\leq 0.1$  point. This variation in the GNP level when expressed on a per year basis is a constant; e.g.,  $2.42/50=0.048$ . Thus, changing the initial or terminal level of GNP by  $\leq 0.048 \times N$  percent (where N is the number of years in the span) results in a growth rate which varies from 3.0 percent by no more than 0.1 point. (For growth rates other than 3.0 percent, the constant varies slightly, ranging from 0.050 at a 0.0 percent rate to 0.045 at a 10.0 percent rate of growth.)

(2) To relate GNP growth rates to unemployment rates, a relationship between GNP and the unemployment rate must be assumed. Assuming a 3-to-1 relationship (see Arthur Okun, "Potential GNP: Its Measurement and Significance," 1962 *Proceedings of the Business and Economic Section of the American Statistical Association*), the "permissible" annual variation in the level of GNP of 0.048 percent in the example above corresponds to a 0.016 point change in the unemployment rate in the opposite direction (i.e., the short-term movements in the unemployment rate are typically about one-third as large as those in GNP). Thus, a difference of up to 0.016 can be considered the permissible limit in the unemployment rate. As a result we may conclude that variations in the unemployment rate of less than 0.016 point per year of the time span are associated with variations in the level of GNP that

probably affect the computed GNP growth rate by not more than 0.1 percentage point.

In a similar manner, the GNP growth rate is affected by not more than 0.2 point by variations in GNP associated with variations in the unemployment rate of less than 0.049 point per year of the time span. Likewise, the GNP growth rate is affected by not more than 0.3 point by variations in the unemployment rate of less than .081 point per year of the time span and by not more than 0.4 percentage points by variation in the unemployment rate of less than .113 points. (Note that the effect on the GNP growth rate increases in a 1, 2, 3, 4 . . . progression while the unemployment rate limit increases in a 1, 3, 5, 7 . . . progression.)

Thus, the unemployment rate limit of 0.025 per year can be considered as identifying GNP growth rates which probably vary by less than one- or two-tenths of a point from the rate of economic growth; i.e., from the rate which would have been calculated if the unemployment rates were equal, and the 0.100 per year limit identifies rates which probably vary by less than three- or four-tenths of a point from the rate of economic growth.

Factors for which no allowance has been made that affect the limits include (a) how the output-unemployment relationship may have varied over time, and also how it may vary over the business cycle; (b) the statistical accuracy of the unemployment and GNP estimates; and (c) changes in the definition of unemployment. Generally, over long spans the effect of these factors is considered to be small.

The power of this technique to pick out those growth rates which approximate the rate of economic growth is greatly diminished for short time spans of say 5 years or less. Hence, many growth rates that probably do approximate the rate of economic growth over short spans are erroneously classified as probably greater than or probably less than the "actual" rate of economic growth.

user in making comparisons, especially over short periods.

Growth rates in total private man-hours computed by the method of selected points are presented in chart 18; growth rates in gross private product per man-hour computed with the

method of selected points in chart 19; and growth rates of gross national product computed by the least squares linear trend line fitted to the logarithms in chart 20. The shading technique has not been applied to these three triangles.

**Table D.**  
NUMBER AND  
RANGE  
OF GNP  
GROWTH RATES  
COMPUTED  
BETWEEN  
YEARS  
WITH SIMILAR  
UNEMPLOYMENT  
RATES,  
1890 TO 1965

| Item  | All combinations of initial and terminal years |                                 | All combinations of business cycle peak years <sup>1</sup> |                                 |
|---|--|---------------------------------|--|---------------------------------|
|   | Difference of <0.025 point/year                | Difference of <0.100 point/year | Difference of <0.025 point/year                            | Difference of <0.100 point/year |
| Total GNP growth rates under examination, number.....                             | 2,850  | 2,850                           | 190  | 190                             |
| Growth rates computed between years with similar unemployment rates: <sup>2</sup> |  |                                 |  |                                 |
| Number.....   | 360  | 993                             | 36   | 101                             |
| Range.....  | -3.6 to 4.5                                    | -3.6 to 9.4                     | 2.4 to 4.3   | 1.5 to 4.4                      |
| Modified range <sup>3</sup> .....   | 2.6 to 3.5                                     | 2.6 to 3.8                      | 2.6 to 3.9   | 2.6 to 3.9                      |
| Growth rates computed between years with dissimilar unemployment rates:           |  |                                 |  |                                 |
| Number.....   | 2,490  | 1,857                           | 154  | 89                              |
| Unemployment rate of initial year is <i>higher</i> than terminal year:            |  |                                 |  |                                 |
| Range.....  | -0.9 to 16.1                                   | 0.7 to 16.1                     | 1.5 to 8.6   | 2.4 to 8.6                      |
| Modified range <sup>4</sup> .....   | 2.9 to 16.1                                    | 3.1 to 16.1                     | 2.8 to 8.6   | 2.9 to 8.6                      |
| Unemployment rate of initial year is <i>lower</i> than terminal year:             |  |                                 |  |                                 |
| Range.....  | -14.8 to 9.4                                   | -14.8 to 4.9                    | -3.9 to 4.0  | -3.9 to 4.0                     |
| Modified range <sup>5</sup> .....   | -14.8 to 3.3                                   | -14.8 to 3.2                    | -3.9 to 3.6  | -3.9 to 3.5                     |

<sup>1</sup> 1965 is considered a peak year for this table.

<sup>2</sup> For the purposes of this table, initial and terminal unemployment rates are considered similar if they differ by less than the given per year difference (the arithmetic difference between the rates of initial and terminal years divided by the number of years separating them).

<sup>3</sup> Upper and lower 5 percent excluded as extreme.

<sup>4</sup> Lower 10 percent excluded as extreme.

<sup>5</sup> Upper 10 percent excluded as extreme.























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## APPENDIX 1. GROWTH RATE CONVERSION AND COMPOUND INTEREST RATE TABLES

The following two tables are intended to aid in calculating and projecting growth rates for economic time series. The first of these, the Growth Rate Conversion Table, is designed to facilitate the computation of growth rates by the compound interest rate formula. Its unique feature is that it eliminates the need for interpolation (in finding growth rates to a tenth of a percent), a necessary hardship when attempting to find growth rates using an ordinary compound interest rate table. Also included is an abbreviated Compound Interest Rate Table to enable users to extrapolate an economic series based on an assumed growth rate.

**Table A1. Growth Rate Conversion Table**

The Growth Rate Conversion Table shows the average annual growth rates, for given time spans ( $n$ ) and given ratios of the terminal year's data to the initial year's data ( $X_t/X_1$ ), computed with the compound interest rate formula:

$$r = \left( \sqrt[n]{\frac{X_t}{X_1}} - 1 \right) 100$$

where  $r$  is the average annual growth rate (percent)

$X_1$  is the initial year's data

$X_t$  is the terminal year's data

$n$  is the difference in years between the terminal and initial years.

To use the table: (1) Compute the ratio  $X_t/X_1$  truncated to five decimal places, (2) locate the horizontal line corresponding to the number of years span, and (3) find the interval in which the ratio falls on the horizontal line.<sup>1</sup> The growth rate, correct to one decimal place, is given above this interval.

Ratios are shown in the table for  $n = 1$  to 70 years and for growth rates of 0.0 percent to 9.9 percent.

Example: GNP was \$323.7 billion in 1948 and \$487.7 billion in 1960. The ratio of 487.7 to 323.7 is 1.50664 and the number of years span is 1960 minus 1948 = 12. The average annual growth rate is then found by locating the interval within which 1.50664 falls on the 12-year horizontal line; i.e., 3.5 percent.

To find growth rates for periods longer than 70 years but less than 140, the procedure is as follows: (1) Compute the ratio  $X_t$  to  $X_1$ , (2) find the square root of this ratio, and (3) on the horizontal line corresponding to one-half the original span, locate the interval in which the square root of the ratio falls. The correct growth rate is given at the top of this interval.

<sup>1</sup>In rare instances, approximately one per 10,000 ratios computed, a truncated ratio will equal a printed ratio. In this case, since the correct growth rate may be either to the left or right at the top of the column, users should calculate the growth rate using the above formula.

For example, suppose GNP was \$25.0 billion in 1874 and \$487.7 billion in 1960. The ratio is 19.50800 and the square root of this ratio is approximately 4.41678.<sup>2</sup> Thus, find on the horizontal line corresponding to 43 years (one-half the span), the interval in which 4.41678 lies. The growth rate of 3.5 percent is given at the top of this interval.

Although only ratios greater than 1.0 are printed on the table, it may also be used for computing negative growth rates. Rates of decline (i.e., when the ratio is less than 1.0) are computed in the following manner: (1) Compute the reciprocal of the ratio (i.e.,  $X_1/X_t$ ), (2) find the growth rate on the table corresponding to the reciprocal, and (3) use the following formula to find the negative growth rate:

$$r = - \left( \frac{R}{R + 100} \right) 100$$

where  $r$  is the desired negative growth rate and  $R$  is the rate found in the table.

**Table A2. Compound Interest Rate Table**

Following the Growth Rate Conversion Table is an abbreviated Compound Interest Rate Table.<sup>3</sup> This table will aid in extrapolating a series based on a particular growth rate such as one found for a historical period in the Growth Rate Conversion Table. Given a growth rate, find on the horizontal line corresponding to the number of years to be projected, the ratio corresponding to the assumed growth rate. This ratio indicates the amount the series will increase over the period if the assumed growth rate persists.

This table is based on the relationship—

$$X_n = X_1 (1 + .01r)^n$$

where  $X_1$  is the value for the initial year

$r$  is the growth rate (percent)

$n$  is the number of years span and

$X_n$  is the desired forecast value.

Example: GNP was \$323.7 billion in 1948 and \$487.7 billion in 1960. Using the Growth Rate Conversion Table gives a growth rate of 3.5 percent per year. To forecast a value of GNP in 1980 (a period of 20 years from 1960) based on the growth rate of 3.5 percent find, on the 20 year horizontal line on the Compound Interest Rate Table, the ratio corresponding to 3.5 percent. This ratio (1.98979) multiplied by the GNP value of \$487.7 billion for 1960 gives \$970 billion, the desired forecast value.

<sup>2</sup>Both tables may aid in approximating square roots since in any given column, the square root of the ratio opposite  $n$  is the ratio opposite  $n/2$ .

<sup>3</sup>A more complete compound interest rate table can be obtained from the Union Carbide Corporation, Public Relations Department, 270 Park Avenue, New York, New York 10017.

**TABLE A1. GROWTH RATE CONVERSION TABLE**

(This table is a modification of the standard compound interest rate table. The columns of ratios are the "breaking points" in calculating growth rates rounded to tenths. For a given span of years, computed ratios ( $X_T/X_1$ ) falling within the interval between two columns correspond to the growth rate shown above the interval. See the text at the beginning of this appendix for more details on how to use this table.)

| Year | GROWTH RATE (PERCENT) — |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 0.0                     | 0.1     | 0.2     | 0.3     | 0.4     | 0.5     | 0.6     | 0.7     | 0.8     | 0.9     |      |
| 1    | 1.00049                 | 1.00149 | 1.00249 | 1.00349 | 1.00449 | 1.00549 | 1.00649 | 1.00749 | 1.00849 | 1.00949 | 1    |
| 2    | 1.00100                 | 1.00300 | 1.00500 | 1.00701 | 1.00902 | 1.01103 | 1.01304 | 1.01505 | 1.01707 | 1.01909 | 2    |
| 3    | 1.00150                 | 1.00450 | 1.00751 | 1.01053 | 1.01356 | 1.01659 | 1.01962 | 1.02266 | 1.02571 | 1.02877 | 3    |
| 4    | 1.00200                 | 1.00601 | 1.01003 | 1.01407 | 1.01812 | 1.02218 | 1.02625 | 1.03033 | 1.03443 | 1.03854 | 4    |
| 5    | 1.00250                 | 1.00752 | 1.01256 | 1.01762 | 1.02270 | 1.02780 | 1.03292 | 1.03806 | 1.04322 | 1.04841 | 5    |
| 6    | 1.00300                 | 1.00903 | 1.01509 | 1.02118 | 1.02730 | 1.03345 | 1.03963 | 1.04585 | 1.05209 | 1.05837 | 6    |
| 7    | 1.00350                 | 1.01054 | 1.01763 | 1.02475 | 1.03192 | 1.03914 | 1.04639 | 1.05369 | 1.06103 | 1.06842 | 7    |
| 8    | 1.00400                 | 1.01206 | 1.02017 | 1.02834 | 1.03657 | 1.04485 | 1.05319 | 1.06159 | 1.07005 | 1.07857 | 8    |
| 9    | 1.00450                 | 1.01358 | 1.02272 | 1.03194 | 1.04123 | 1.05060 | 1.06004 | 1.06956 | 1.07915 | 1.08882 | 9    |
| 10   | 1.00501                 | 1.01510 | 1.02528 | 1.03555 | 1.04592 | 1.05638 | 1.06693 | 1.07758 | 1.08832 | 1.09916 | 10   |
| 11   | 1.00551                 | 1.01662 | 1.02784 | 1.03918 | 1.05062 | 1.06219 | 1.07386 | 1.08566 | 1.09757 | 1.10960 | 11   |
| 12   | 1.00601                 | 1.01814 | 1.03041 | 1.04281 | 1.05535 | 1.06803 | 1.08084 | 1.09380 | 1.10690 | 1.12014 | 12   |
| 13   | 1.00651                 | 1.01967 | 1.03299 | 1.04646 | 1.06010 | 1.07390 | 1.08787 | 1.10201 | 1.11631 | 1.13079 | 13   |
| 14   | 1.00702                 | 1.02120 | 1.03557 | 1.05013 | 1.06487 | 1.07981 | 1.09494 | 1.11027 | 1.12580 | 1.14153 | 14   |
| 15   | 1.00752                 | 1.02273 | 1.03816 | 1.05380 | 1.06966 | 1.08575 | 1.10206 | 1.11860 | 1.13537 | 1.15237 | 15   |
| 16   | 1.00802                 | 1.02427 | 1.04075 | 1.05749 | 1.07448 | 1.09172 | 1.10922 | 1.12699 | 1.14502 | 1.16332 | 16   |
| 17   | 1.00853                 | 1.02580 | 1.04336 | 1.06119 | 1.07931 | 1.09772 | 1.11643 | 1.13544 | 1.15475 | 1.17437 | 17   |
| 18   | 1.00903                 | 1.02734 | 1.04596 | 1.06490 | 1.08417 | 1.10376 | 1.12369 | 1.14396 | 1.16457 | 1.18553 | 18   |
| 19   | 1.00954                 | 1.02888 | 1.04858 | 1.06863 | 1.08905 | 1.10983 | 1.13099 | 1.15253 | 1.17447 | 1.19679 | 19   |
| 20   | 1.01004                 | 1.03043 | 1.05120 | 1.07237 | 1.09395 | 1.11594 | 1.13834 | 1.16118 | 1.18445 | 1.20816 | 20   |
| 21   | 1.01055                 | 1.03197 | 1.05383 | 1.07613 | 1.09887 | 1.12207 | 1.14574 | 1.16989 | 1.19452 | 1.21964 | 21   |
| 22   | 1.01105                 | 1.03352 | 1.05646 | 1.07989 | 1.10382 | 1.12825 | 1.15319 | 1.17866 | 1.20467 | 1.23122 | 22   |
| 23   | 1.01156                 | 1.03507 | 1.05910 | 1.08367 | 1.10878 | 1.13445 | 1.16069 | 1.18750 | 1.21491 | 1.24292 | 23   |
| 24   | 1.01206                 | 1.03662 | 1.06175 | 1.08746 | 1.11377 | 1.14069 | 1.16823 | 1.19641 | 1.22524 | 1.25473 | 24   |
| 25   | 1.01257                 | 1.03818 | 1.06441 | 1.09127 | 1.11878 | 1.14696 | 1.17582 | 1.20538 | 1.23565 | 1.26665 | 25   |
| 26   | 1.01308                 | 1.03973 | 1.06707 | 1.09509 | 1.12382 | 1.15327 | 1.18347 | 1.21442 | 1.24615 | 1.27868 | 26   |
| 27   | 1.01358                 | 1.04129 | 1.06973 | 1.09892 | 1.12888 | 1.15962 | 1.19116 | 1.22353 | 1.25675 | 1.29083 | 27   |
| 28   | 1.01409                 | 1.04286 | 1.07241 | 1.10277 | 1.13396 | 1.16599 | 1.19890 | 1.23271 | 1.26743 | 1.30309 | 28   |
| 29   | 1.01460                 | 1.04442 | 1.07509 | 1.10663 | 1.13906 | 1.17241 | 1.20670 | 1.24195 | 1.27820 | 1.31547 | 29   |
| 30   | 1.01510                 | 1.04599 | 1.07778 | 1.11050 | 1.14418 | 1.17885 | 1.21454 | 1.25127 | 1.28907 | 1.32797 | 30   |
| 31   | 1.01561                 | 1.04756 | 1.08047 | 1.11439 | 1.14933 | 1.18534 | 1.22243 | 1.26065 | 1.30002 | 1.34058 | 31   |
| 32   | 1.01612                 | 1.04913 | 1.08317 | 1.11829 | 1.15451 | 1.19186 | 1.23038 | 1.27011 | 1.31107 | 1.35332 | 32   |
| 33   | 1.01663                 | 1.05070 | 1.08588 | 1.12220 | 1.15970 | 1.19841 | 1.23838 | 1.27963 | 1.32222 | 1.36618 | 33   |
| 34   | 1.01714                 | 1.05228 | 1.08860 | 1.12613 | 1.16492 | 1.20500 | 1.24643 | 1.28923 | 1.33346 | 1.37916 | 34   |
| 35   | 1.01764                 | 1.05386 | 1.09132 | 1.13007 | 1.17016 | 1.21163 | 1.25453 | 1.29890 | 1.34479 | 1.39226 | 35   |
| 36   | 1.01815                 | 1.05544 | 1.09405 | 1.13403 | 1.17543 | 1.21830 | 1.26268 | 1.30864 | 1.35622 | 1.40548 | 36   |
| 37   | 1.01866                 | 1.05702 | 1.09678 | 1.13800 | 1.18072 | 1.22500 | 1.27089 | 1.31845 | 1.36775 | 1.41884 | 37   |
| 38   | 1.01917                 | 1.05860 | 1.09952 | 1.14198 | 1.18603 | 1.23173 | 1.27915 | 1.32834 | 1.37938 | 1.43232 | 38   |
| 39   | 1.01968                 | 1.06019 | 1.10227 | 1.14598 | 1.19137 | 1.23851 | 1.28747 | 1.33831 | 1.39110 | 1.44592 | 39   |
| 40   | 1.02019                 | 1.06178 | 1.10503 | 1.14999 | 1.19673 | 1.24532 | 1.29583 | 1.34834 | 1.40292 | 1.45966 | 40   |
| 41   | 1.02070                 | 1.06338 | 1.10779 | 1.15401 | 1.20211 | 1.25217 | 1.30426 | 1.35846 | 1.41485 | 1.47353 | 41   |
| 42   | 1.02121                 | 1.06497 | 1.11056 | 1.15805 | 1.20752 | 1.25906 | 1.31273 | 1.36864 | 1.42688 | 1.48752 | 42   |
| 43   | 1.02172                 | 1.06657 | 1.11334 | 1.16210 | 1.21296 | 1.26598 | 1.32127 | 1.37891 | 1.43900 | 1.50166 | 43   |
| 44   | 1.02223                 | 1.06817 | 1.11612 | 1.16617 | 1.21841 | 1.27294 | 1.32986 | 1.38925 | 1.45124 | 1.51592 | 44   |
| 45   | 1.02274                 | 1.06977 | 1.11891 | 1.17025 | 1.22390 | 1.27995 | 1.33850 | 1.39967 | 1.46357 | 1.53032 | 45   |
| 46   | 1.02325                 | 1.07137 | 1.12171 | 1.17435 | 1.22941 | 1.28698 | 1.34720 | 1.41017 | 1.47601 | 1.54486 | 46   |
| 47   | 1.02377                 | 1.07298 | 1.12451 | 1.17846 | 1.23494 | 1.29406 | 1.35596 | 1.42074 | 1.48856 | 1.55954 | 47   |
| 48   | 1.02428                 | 1.07459 | 1.12732 | 1.18258 | 1.24049 | 1.30118 | 1.36477 | 1.43140 | 1.50121 | 1.57435 | 48   |
| 49   | 1.02479                 | 1.07620 | 1.13014 | 1.18672 | 1.24608 | 1.30834 | 1.37364 | 1.44213 | 1.51397 | 1.58931 | 49   |
| 50   | 1.02530                 | 1.07782 | 1.13297 | 1.19088 | 1.25168 | 1.31553 | 1.38257 | 1.45295 | 1.52684 | 1.60441 | 50   |
| 51   | 1.02582                 | 1.07943 | 1.13580 | 1.19505 | 1.25732 | 1.32277 | 1.39156 | 1.46385 | 1.53982 | 1.61965 | 51   |
| 52   | 1.02633                 | 1.08105 | 1.13864 | 1.19923 | 1.26297 | 1.33004 | 1.40060 | 1.47483 | 1.55291 | 1.63504 | 52   |
| 53   | 1.02684                 | 1.08268 | 1.14148 | 1.20343 | 1.26866 | 1.33736 | 1.40971 | 1.48589 | 1.56611 | 1.65057 | 53   |
| 54   | 1.02736                 | 1.08430 | 1.14434 | 1.20764 | 1.27437 | 1.34471 | 1.41887 | 1.49703 | 1.57942 | 1.66625 | 54   |
| 55   | 1.02787                 | 1.08593 | 1.14720 | 1.21186 | 1.28010 | 1.35211 | 1.42809 | 1.50826 | 1.59284 | 1.68208 | 55   |
| 56   | 1.02838                 | 1.08755 | 1.15007 | 1.21611 | 1.28586 | 1.35955 | 1.43737 | 1.51957 | 1.60638 | 1.69806 | 56   |
| 57   | 1.02890                 | 1.08919 | 1.15294 | 1.22036 | 1.29165 | 1.36702 | 1.44672 | 1.53097 | 1.62004 | 1.71419 | 57   |
| 58   | 1.02941                 | 1.09082 | 1.15582 | 1.22463 | 1.29746 | 1.37454 | 1.45612 | 1.54245 | 1.63381 | 1.73047 | 58   |
| 59   | 1.02993                 | 1.09246 | 1.15871 | 1.22892 | 1.30330 | 1.38210 | 1.46559 | 1.55402 | 1.64769 | 1.74691 | 59   |
| 60   | 1.03044                 | 1.09409 | 1.16161 | 1.23322 | 1.30916 | 1.38970 | 1.47511 | 1.56567 | 1.66170 | 1.76351 | 60   |
| 61   | 1.03096                 | 1.09574 | 1.16452 | 1.23754 | 1.31506 | 1.39735 | 1.48470 | 1.57742 | 1.67582 | 1.78026 | 61   |
| 62   | 1.03147                 | 1.09738 | 1.16743 | 1.24187 | 1.32097 | 1.40503 | 1.49435 | 1.58925 | 1.69007 | 1.79718 | 62   |
| 63   | 1.03199                 | 1.09903 | 1.17034 | 1.24621 | 1.32692 | 1.41276 | 1.50406 | 1.60117 | 1.70443 | 1.81425 | 63   |
| 64   | 1.03250                 | 1.10067 | 1.17327 | 1.25058 | 1.33289 | 1.42053 | 1.51384 | 1.61318 | 1.71892 | 1.83148 | 64   |
| 65   | 1.03302                 | 1.10233 | 1.17620 | 1.25495 | 1.33889 | 1.42834 | 1.52368 | 1.62527 | 1.73353 | 1.84888 | 65   |
| 66   | 1.03354                 | 1.10398 | 1.17914 | 1.25935 | 1.34491 | 1.43620 | 1.53358 | 1.63746 | 1.74827 | 1.86645 | 66   |
| 67   | 1.03405                 | 1.10563 | 1.18209 | 1.26375 | 1.35096 | 1.44410 | 1.54355 | 1.64975 | 1.76313 | 1.88418 | 67   |
| 68   | 1.03457                 | 1.10729 | 1.18505 | 1.26818 | 1.35704 | 1.45204 | 1.55359 | 1.66212 | 1.77812 | 1.90208 | 68   |
| 69   | 1.03509                 | 1.10895 | 1.18801 | 1.27262 | 1.36315 | 1.46003 | 1.56368 | 1.67458 | 1.79323 | 1.92015 | 69   |
| 70   | 1.03561                 | 1.11062 | 1.19098 | 1.27707 | 1.36929 | 1.46806 | 1.57385 | 1.68714 | 1.80847 | 1.93839 | 70   |

**TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED**

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 1.0                     | 1.1     | 1.2     | 1.3     | 1.4     | 1.5     | 1.6     | 1.7     | 1.8     | 1.9     |      |
| 1    | 1.01049                 | 1.01149 | 1.01249 | 1.01349 | 1.01449 | 1.01549 | 1.01649 | 1.01749 | 1.01849 | 1.01949 | 1    |
| 2    | 1.02111                 | 1.02313 | 1.02515 | 1.02718 | 1.02921 | 1.03124 | 1.03327 | 1.03530 | 1.03734 | 1.03938 | 2    |
| 3    | 1.03183                 | 1.03489 | 1.03797 | 1.04104 | 1.04413 | 1.04722 | 1.05032 | 1.05342 | 1.05653 | 1.05964 | 3    |
| 4    | 1.04266                 | 1.04679 | 1.05094 | 1.05510 | 1.05927 | 1.06345 | 1.06765 | 1.07185 | 1.07607 | 1.08031 | 4    |
| 5    | 1.05361                 | 1.05883 | 1.06408 | 1.06934 | 1.07463 | 1.07993 | 1.08526 | 1.09061 | 1.09598 | 1.10137 | 5    |
| 6    | 1.06467                 | 1.07101 | 1.07738 | 1.08378 | 1.09021 | 1.09667 | 1.10317 | 1.10970 | 1.11626 | 1.12285 | 6    |
| 7    | 1.07585                 | 1.08333 | 1.09085 | 1.09841 | 1.10602 | 1.11367 | 1.12137 | 1.12912 | 1.13691 | 1.14474 | 7    |
| 8    | 1.08715                 | 1.09578 | 1.10448 | 1.11324 | 1.12206 | 1.13093 | 1.13987 | 1.14888 | 1.15794 | 1.16707 | 8    |
| 9    | 1.09856                 | 1.10839 | 1.11829 | 1.12827 | 1.13833 | 1.14846 | 1.15868 | 1.16898 | 1.17936 | 1.18983 | 9    |
| 10   | 1.11010                 | 1.12113 | 1.13227 | 1.14350 | 1.15483 | 1.16627 | 1.17780 | 1.18944 | 1.20118 | 1.21303 | 10   |
| 11   | 1.12175                 | 1.13403 | 1.14642 | 1.15894 | 1.17158 | 1.18434 | 1.19723 | 1.21025 | 1.22340 | 1.23668 | 11   |
| 12   | 1.13353                 | 1.14707 | 1.16075 | 1.17458 | 1.18856 | 1.20270 | 1.21699 | 1.23143 | 1.24603 | 1.26080 | 12   |
| 13   | 1.14543                 | 1.16026 | 1.17526 | 1.19044 | 1.20580 | 1.22134 | 1.23707 | 1.25298 | 1.26907 | 1.28538 | 13   |
| 14   | 1.15746                 | 1.17360 | 1.18995 | 1.20651 | 1.22328 | 1.24027 | 1.25748 | 1.27491 | 1.29257 | 1.31045 | 14   |
| 15   | 1.16961                 | 1.18710 | 1.20482 | 1.22280 | 1.24102 | 1.25950 | 1.27823 | 1.29722 | 1.31648 | 1.33600 | 15   |
| 16   | 1.18190                 | 1.20075 | 1.21988 | 1.23930 | 1.25902 | 1.27902 | 1.29932 | 1.31992 | 1.34083 | 1.36205 | 16   |
| 17   | 1.19431                 | 1.21456 | 1.23513 | 1.25604 | 1.27727 | 1.29884 | 1.32076 | 1.34302 | 1.36564 | 1.38861 | 17   |
| 18   | 1.20685                 | 1.22853 | 1.25057 | 1.27299 | 1.29579 | 1.31898 | 1.34255 | 1.36653 | 1.39090 | 1.41569 | 18   |
| 19   | 1.21952                 | 1.24265 | 1.26620 | 1.29018 | 1.31458 | 1.33942 | 1.36470 | 1.39044 | 1.41663 | 1.44330 | 19   |
| 20   | 1.23232                 | 1.25694 | 1.28203 | 1.30759 | 1.33364 | 1.36018 | 1.38722 | 1.41477 | 1.44284 | 1.47144 | 20   |
| 21   | 1.24526                 | 1.27140 | 1.29806 | 1.32525 | 1.35298 | 1.38126 | 1.41011 | 1.43953 | 1.46954 | 1.50013 | 21   |
| 22   | 1.25834                 | 1.28602 | 1.31428 | 1.34314 | 1.37260 | 1.40267 | 1.43338 | 1.46472 | 1.49672 | 1.52939 | 22   |
| 23   | 1.27155                 | 1.30081 | 1.33071 | 1.36127 | 1.39250 | 1.42442 | 1.45703 | 1.49036 | 1.52441 | 1.55921 | 23   |
| 24   | 1.28490                 | 1.31577 | 1.34735 | 1.37965 | 1.41269 | 1.44649 | 1.48107 | 1.51644 | 1.55261 | 1.58962 | 24   |
| 25   | 1.29839                 | 1.33090 | 1.36419 | 1.39827 | 1.43318 | 1.46891 | 1.50551 | 1.54298 | 1.58134 | 1.62061 | 25   |
| 26   | 1.31203                 | 1.34621 | 1.38124 | 1.41715 | 1.45396 | 1.49168 | 1.53035 | 1.56998 | 1.61059 | 1.65221 | 26   |
| 27   | 1.32580                 | 1.36169 | 1.39851 | 1.43628 | 1.47504 | 1.51480 | 1.55560 | 1.59745 | 1.64039 | 1.68443 | 27   |
| 28   | 1.33972                 | 1.37735 | 1.41599 | 1.45567 | 1.49643 | 1.53828 | 1.58127 | 1.62541 | 1.67073 | 1.71728 | 28   |
| 29   | 1.35379                 | 1.39319 | 1.43369 | 1.47532 | 1.51813 | 1.56213 | 1.60736 | 1.65385 | 1.70164 | 1.75077 | 29   |
| 30   | 1.36801                 | 1.40921 | 1.45161 | 1.49524 | 1.54014 | 1.58634 | 1.63388 | 1.68279 | 1.73312 | 1.78491 | 30   |
| 31   | 1.38237                 | 1.42541 | 1.46975 | 1.51543 | 1.56247 | 1.61093 | 1.66084 | 1.71224 | 1.76519 | 1.81971 | 31   |
| 32   | 1.39688                 | 1.44181 | 1.48812 | 1.53588 | 1.58513 | 1.63590 | 1.68824 | 1.74221 | 1.79784 | 1.85520 | 32   |
| 33   | 1.41155                 | 1.45839 | 1.50673 | 1.55662 | 1.60811 | 1.66125 | 1.71610 | 1.77270 | 1.83110 | 1.89137 | 33   |
| 34   | 1.42637                 | 1.47516 | 1.52556 | 1.57763 | 1.63143 | 1.68700 | 1.74441 | 1.80372 | 1.86498 | 1.92825 | 34   |
| 35   | 1.44135                 | 1.49212 | 1.54463 | 1.59893 | 1.65508 | 1.71315 | 1.77320 | 1.83528 | 1.89948 | 1.96586 | 35   |
| 36   | 1.45648                 | 1.50928 | 1.56394 | 1.62052 | 1.67908 | 1.73971 | 1.80245 | 1.86740 | 1.93462 | 2.00419 | 36   |
| 37   | 1.47178                 | 1.52664 | 1.58349 | 1.64239 | 1.70343 | 1.76667 | 1.83220 | 1.90008 | 1.97041 | 2.04327 | 37   |
| 38   | 1.48723                 | 1.54419 | 1.60328 | 1.66457 | 1.72813 | 1.79406 | 1.86243 | 1.93333 | 2.00686 | 2.08312 | 38   |
| 39   | 1.50285                 | 1.56195 | 1.62332 | 1.68704 | 1.75319 | 1.82186 | 1.89316 | 1.96717 | 2.04399 | 2.12374 | 39   |
| 40   | 1.51863                 | 1.57992 | 1.64361 | 1.70981 | 1.77861 | 1.85010 | 1.92439 | 2.00159 | 2.08180 | 2.16515 | 40   |
| 41   | 1.53457                 | 1.59808 | 1.66416 | 1.73290 | 1.80440 | 1.87878 | 1.95615 | 2.03662 | 2.12032 | 2.20737 | 41   |
| 42   | 1.55069                 | 1.61646 | 1.68496 | 1.75629 | 1.83056 | 1.90790 | 1.98842 | 2.07226 | 2.15954 | 2.25041 | 42   |
| 43   | 1.56697                 | 1.63505 | 1.70602 | 1.78000 | 1.85711 | 1.93747 | 2.02123 | 2.10853 | 2.19950 | 2.29430 | 43   |
| 44   | 1.58342                 | 1.65385 | 1.72735 | 1.80403 | 1.88403 | 1.96750 | 2.05458 | 2.14542 | 2.24019 | 2.33904 | 44   |
| 45   | 1.60005                 | 1.67287 | 1.74894 | 1.82838 | 1.91135 | 1.99800 | 2.08848 | 2.18279 | 2.28163 | 2.38465 | 45   |
| 46   | 1.61685                 | 1.69211 | 1.77080 | 1.85307 | 1.93907 | 2.02897 | 2.12294 | 2.22117 | 2.32384 | 2.43115 | 46   |
| 47   | 1.63382                 | 1.71157 | 1.79294 | 1.87808 | 1.96718 | 2.06042 | 2.15797 | 2.26004 | 2.36683 | 2.47856 | 47   |
| 48   | 1.65098                 | 1.73125 | 1.81535 | 1.90344 | 1.99571 | 2.09235 | 2.19358 | 2.29959 | 2.41062 | 2.52689 | 48   |
| 49   | 1.66832                 | 1.75116 | 1.83804 | 1.92913 | 2.02465 | 2.12479 | 2.22977 | 2.33984 | 2.45521 | 2.57616 | 49   |
| 50   | 1.68583                 | 1.77130 | 1.86102 | 1.95518 | 2.05400 | 2.15772 | 2.26656 | 2.38078 | 2.50063 | 2.62640 | 50   |
| 51   | 1.70353                 | 1.79167 | 1.88428 | 1.98157 | 2.08379 | 2.19116 | 2.30396 | 2.42245 | 2.54690 | 2.67761 | 51   |
| 52   | 1.72142                 | 1.81228 | 1.90783 | 2.00832 | 2.11400 | 2.22513 | 2.34198 | 2.46484 | 2.59401 | 2.72982 | 52   |
| 53   | 1.73950                 | 1.83312 | 1.93168 | 2.03544 | 2.14465 | 2.25962 | 2.38062 | 2.50797 | 2.64200 | 2.78306 | 53   |
| 54   | 1.75776                 | 1.85420 | 1.95583 | 2.06291 | 2.17575 | 2.29464 | 2.41990 | 2.55186 | 2.69088 | 2.83733 | 54   |
| 55   | 1.77622                 | 1.87552 | 1.98027 | 2.09076 | 2.20730 | 2.33021 | 2.45983 | 2.59652 | 2.74066 | 2.89265 | 55   |
| 56   | 1.79487                 | 1.89709 | 2.00503 | 2.11899 | 2.23931 | 2.36633 | 2.50042 | 2.64196 | 2.79136 | 2.94906 | 56   |
| 57   | 1.81371                 | 1.91891 | 2.03009 | 2.14760 | 2.27178 | 2.40300 | 2.54167 | 2.68820 | 2.84350 | 3.00657 | 57   |
| 58   | 1.83276                 | 1.94097 | 2.05547 | 2.17659 | 2.30472 | 2.44025 | 2.58361 | 2.73524 | 2.89560 | 3.06520 | 58   |
| 59   | 1.85200                 | 1.96330 | 2.08116 | 2.20597 | 2.33814 | 2.47808 | 2.62624 | 2.78311 | 2.94917 | 3.12497 | 59   |
| 60   | 1.87145                 | 1.98587 | 2.10717 | 2.23575 | 2.37204 | 2.51649 | 2.66957 | 2.83181 | 3.00373 | 3.18590 | 60   |
| 61   | 1.89110                 | 2.00871 | 2.13351 | 2.26594 | 2.40643 | 2.55549 | 2.71362 | 2.88137 | 3.05930 | 3.24803 | 61   |
| 62   | 1.91095                 | 2.03181 | 2.16018 | 2.29653 | 2.44133 | 2.59510 | 2.75840 | 2.93179 | 3.11589 | 3.31137 | 62   |
| 63   | 1.93102                 | 2.05518 | 2.18718 | 2.32753 | 2.47673 | 2.63533 | 2.80391 | 2.98310 | 3.17354 | 3.37594 | 63   |
| 64   | 1.95130                 | 2.07881 | 2.21452 | 2.35895 | 2.51264 | 2.67617 | 2.85017 | 3.03530 | 3.23225 | 3.44177 | 64   |
| 65   | 1.97178                 | 2.10272 | 2.24221 | 2.39080 | 2.54907 | 2.71765 | 2.89720 | 3.08842 | 3.29205 | 3.50888 | 65   |
| 66   | 1.99249                 | 2.12690 | 2.27023 | 2.42307 | 2.58603 | 2.75978 | 2.94501 | 3.14247 | 3.35295 | 3.57731 | 66   |
| 67   | 2.01341                 | 2.15136 | 2.29861 | 2.45578 | 2.62353 | 2.80255 | 2.99360 | 3.19746 | 3.41498 | 3.64706 | 67   |
| 68   | 2.03455                 | 2.17610 | 2.32734 | 2.48894 | 2.66157 | 2.84599 | 3.04299 | 3.25342 | 3.47816 | 3.71818 | 68   |
| 69   | 2.05591                 | 2.20113 | 2.35644 | 2.52254 | 2.70017 | 2.89011 | 3.09320 | 3.31035 | 3.54250 | 3.79069 | 69   |
| 70   | 2.07750                 | 2.22644 | 2.38589 | 2.55659 | 2.73932 | 2.93490 | 3.14424 | 3.36828 | 3.60804 | 3.86060 | 70   |



**TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED**

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 2.0                     | 2.1     | 2.2     | 2.3     | 2.4     | 2.5     | 2.6     | 2.7     | 2.8     | 2.9     |      |
| 1    | 1.02049                 | 1.02149 | 1.02249 | 1.02349 | 1.02449 | 1.02549 | 1.02649 | 1.02749 | 1.02849 | 1.02949 | 1    |
| 2    | 1.04142                 | 1.04346 | 1.04550 | 1.04755 | 1.04960 | 1.05165 | 1.05370 | 1.05575 | 1.05781 | 1.05987 | 2    |
| 3    | 1.06276                 | 1.06589 | 1.06903 | 1.07216 | 1.07531 | 1.07846 | 1.08162 | 1.08478 | 1.08795 | 1.09113 | 3    |
| 4    | 1.08455                 | 1.08881 | 1.09308 | 1.09736 | 1.10166 | 1.10596 | 1.11028 | 1.11462 | 1.11896 | 1.12332 | 4    |
| 5    | 1.10678                 | 1.11222 | 1.11767 | 1.12315 | 1.12865 | 1.13417 | 1.13971 | 1.14527 | 1.15085 | 1.15646 | 5    |
| 6    | 1.12947                 | 1.13613 | 1.14282 | 1.14954 | 1.15630 | 1.16309 | 1.16991 | 1.17676 | 1.18365 | 1.19057 | 6    |
| 7    | 1.15263                 | 1.16056 | 1.16853 | 1.17656 | 1.18463 | 1.19275 | 1.20091 | 1.20912 | 1.21739 | 1.22570 | 7    |
| 8    | 1.17626                 | 1.18551 | 1.19483 | 1.20421 | 1.21365 | 1.22316 | 1.23274 | 1.24238 | 1.25208 | 1.26185 | 8    |
| 9    | 1.20037                 | 1.21100 | 1.22171 | 1.23251 | 1.24339 | 1.25435 | 1.26540 | 1.27654 | 1.28777 | 1.29908 | 9    |
| 10   | 1.22498                 | 1.23703 | 1.24920 | 1.26147 | 1.27385 | 1.28634 | 1.29894 | 1.31165 | 1.32447 | 1.33740 | 10   |
| 11   | 1.25009                 | 1.26363 | 1.27731 | 1.29111 | 1.30506 | 1.31914 | 1.33336 | 1.34772 | 1.36221 | 1.37686 | 11   |
| 12   | 1.27572                 | 1.29080 | 1.30604 | 1.32146 | 1.33703 | 1.35278 | 1.36869 | 1.38478 | 1.40104 | 1.41747 | 12   |
| 13   | 1.30187                 | 1.31855 | 1.33543 | 1.35251 | 1.36979 | 1.38727 | 1.40496 | 1.42286 | 1.44097 | 1.45929 | 13   |
| 14   | 1.32856                 | 1.34690 | 1.36548 | 1.38429 | 1.40335 | 1.42265 | 1.44219 | 1.46199 | 1.48204 | 1.50234 | 14   |
| 15   | 1.35579                 | 1.37586 | 1.39620 | 1.41682 | 1.43773 | 1.45893 | 1.48041 | 1.50219 | 1.52427 | 1.54666 | 15   |
| 16   | 1.38359                 | 1.40544 | 1.42762 | 1.45012 | 1.47296 | 1.49613 | 1.51964 | 1.54350 | 1.56772 | 1.59228 | 16   |
| 17   | 1.41195                 | 1.43566 | 1.45974 | 1.48420 | 1.50904 | 1.53428 | 1.55991 | 1.58595 | 1.61240 | 1.63926 | 17   |
| 18   | 1.44090                 | 1.46652 | 1.49258 | 1.51908 | 1.54602 | 1.57340 | 1.60125 | 1.62956 | 1.65835 | 1.68761 | 18   |
| 19   | 1.47043                 | 1.49805 | 1.52616 | 1.55478 | 1.58389 | 1.61353 | 1.64369 | 1.67438 | 1.70561 | 1.73740 | 19   |
| 20   | 1.50058                 | 1.53026 | 1.56050 | 1.59131 | 1.62270 | 1.65467 | 1.68724 | 1.72042 | 1.75422 | 1.78865 | 20   |
| 21   | 1.53134                 | 1.56316 | 1.59562 | 1.62871 | 1.66245 | 1.69687 | 1.73196 | 1.76773 | 1.80422 | 1.84142 | 21   |
| 22   | 1.56273                 | 1.59677 | 1.63152 | 1.66698 | 1.70319 | 1.74014 | 1.77785 | 1.81635 | 1.85564 | 1.89574 | 22   |
| 23   | 1.59477                 | 1.63110 | 1.66823 | 1.70616 | 1.74491 | 1.78451 | 1.82497 | 1.86630 | 1.90852 | 1.95166 | 23   |
| 24   | 1.62746                 | 1.66517 | 1.70376 | 1.74325 | 1.78366 | 1.83001 | 1.87333 | 1.91762 | 1.96292 | 2.00924 | 24   |
| 25   | 1.66082                 | 1.70199 | 1.74414 | 1.78729 | 1.83146 | 1.87668 | 1.92297 | 1.97036 | 2.01886 | 2.06851 | 25   |
| 26   | 1.69487                 | 1.73859 | 1.78338 | 1.82929 | 1.87633 | 1.92454 | 1.97393 | 2.02454 | 2.07640 | 2.12953 | 26   |
| 27   | 1.72962                 | 1.77597 | 1.82351 | 1.87228 | 1.92230 | 1.97361 | 2.02624 | 2.08021 | 2.13557 | 2.19235 | 27   |
| 28   | 1.76507                 | 1.81415 | 1.86454 | 1.91628 | 1.96940 | 2.02394 | 2.07993 | 2.13742 | 2.19644 | 2.25703 | 28   |
| 29   | 1.80126                 | 1.85315 | 1.90649 | 1.96131 | 2.01765 | 2.07555 | 2.13505 | 2.19620 | 2.25904 | 2.32361 | 29   |
| 30   | 1.83818                 | 1.89300 | 1.94939 | 2.00740 | 2.06708 | 2.12848 | 2.19163 | 2.25660 | 2.32342 | 2.39216 | 30   |
| 31   | 1.87587                 | 1.93370 | 1.99325 | 2.05458 | 2.11773 | 2.18275 | 2.24971 | 2.31865 | 2.38964 | 2.46272 | 31   |
| 32   | 1.91432                 | 1.97527 | 2.03810 | 2.10286 | 2.16961 | 2.23841 | 2.30933 | 2.38242 | 2.45774 | 2.53537 | 32   |
| 33   | 1.95357                 | 2.01774 | 2.08395 | 2.15227 | 2.22277 | 2.29549 | 2.37052 | 2.44793 | 2.52779 | 2.61017 | 33   |
| 34   | 1.99361                 | 2.06112 | 2.13084 | 2.20285 | 2.27722 | 2.35403 | 2.43334 | 2.51525 | 2.59983 | 2.68717 | 34   |
| 35   | 2.03448                 | 2.10543 | 2.17879 | 2.25462 | 2.33302 | 2.41405 | 2.49783 | 2.58442 | 2.67393 | 2.76644 | 35   |
| 36   | 2.07619                 | 2.15070 | 2.22781 | 2.30760 | 2.39017 | 2.47561 | 2.56402 | 2.65549 | 2.75013 | 2.84805 | 36   |
| 37   | 2.11875                 | 2.19694 | 2.27794 | 2.36183 | 2.44873 | 2.53873 | 2.63197 | 2.72852 | 2.82851 | 2.93207 | 37   |
| 38   | 2.16219                 | 2.24418 | 2.32919 | 2.41734 | 2.50873 | 2.60348 | 2.70171 | 2.80355 | 2.90912 | 3.01856 | 38   |
| 39   | 2.20651                 | 2.29243 | 2.38160 | 2.47414 | 2.57019 | 2.66987 | 2.77331 | 2.88065 | 2.99203 | 3.10761 | 39   |
| 40   | 2.25174                 | 2.34171 | 2.43518 | 2.53229 | 2.63316 | 2.73795 | 2.84680 | 2.95987 | 3.07731 | 3.19929 | 40   |
| 41   | 2.29791                 | 2.39206 | 2.48997 | 2.59179 | 2.69767 | 2.80777 | 2.92224 | 3.04126 | 3.16501 | 3.29367 | 41   |
| 42   | 2.34501                 | 2.44349 | 2.54600 | 2.65270 | 2.76377 | 2.87937 | 2.99968 | 3.12490 | 3.25521 | 3.39083 | 42   |
| 43   | 2.39309                 | 2.49602 | 2.60328 | 2.71504 | 2.83148 | 2.95279 | 3.07917 | 3.21083 | 3.34799 | 3.49086 | 43   |
| 44   | 2.44214                 | 2.54969 | 2.66186 | 2.77884 | 2.90085 | 3.02809 | 3.16077 | 3.29913 | 3.44341 | 3.59384 | 44   |
| 45   | 2.49221                 | 2.60451 | 2.72175 | 2.84415 | 2.97192 | 3.10530 | 3.24453 | 3.38986 | 3.54154 | 3.69986 | 45   |
| 46   | 2.54330                 | 2.66050 | 2.78299 | 2.91098 | 3.04473 | 3.18449 | 3.33051 | 3.48308 | 3.64248 | 3.80900 | 46   |
| 47   | 2.59544                 | 2.71771 | 2.84561 | 2.97939 | 3.11933 | 3.26569 | 3.41877 | 3.57886 | 3.74629 | 3.92137 | 47   |
| 48   | 2.64864                 | 2.77614 | 2.90963 | 3.04941 | 3.19575 | 3.34897 | 3.50937 | 3.67728 | 3.85306 | 4.03705 | 48   |
| 49   | 2.70294                 | 2.83582 | 2.97510 | 3.12107 | 3.27405 | 3.43437 | 3.60237 | 3.77841 | 3.96287 | 4.15614 | 49   |
| 50   | 2.75835                 | 2.89679 | 3.04204 | 3.19442 | 3.35427 | 3.52194 | 3.69783 | 3.88231 | 4.07581 | 4.27875 | 50   |
| 51   | 2.81490                 | 2.95907 | 3.11049 | 3.26948 | 3.43644 | 3.61175 | 3.79582 | 3.98908 | 4.19197 | 4.40497 | 51   |
| 52   | 2.87260                 | 3.02269 | 3.18047 | 3.34632 | 3.52064 | 3.70385 | 3.89641 | 4.09878 | 4.31144 | 4.53492 | 52   |
| 53   | 2.93149                 | 3.08768 | 3.25203 | 3.42496 | 3.60689 | 3.79830 | 3.99967 | 4.21149 | 4.43432 | 4.66870 | 53   |
| 54   | 2.99159                 | 3.15407 | 3.32520 | 3.50544 | 3.69526 | 3.89516 | 4.10566 | 4.32731 | 4.56070 | 4.80642 | 54   |
| 55   | 3.05291                 | 3.22188 | 3.40002 | 3.58782 | 3.78580 | 3.99448 | 4.21446 | 4.44631 | 4.69068 | 4.94821 | 55   |
| 56   | 3.11550                 | 3.29115 | 3.47652 | 3.67213 | 3.87855 | 4.09634 | 4.32614 | 4.56858 | 4.82436 | 5.09419 | 56   |
| 57   | 3.17937                 | 3.36191 | 3.55474 | 3.75843 | 3.97357 | 4.20080 | 4.44078 | 4.69422 | 4.96186 | 5.24447 | 57   |
| 58   | 3.24454                 | 3.43419 | 3.63472 | 3.84675 | 4.07093 | 4.30792 | 4.55846 | 4.82331 | 5.10327 | 5.39918 | 58   |
| 59   | 3.31106                 | 3.50803 | 3.71651 | 3.93715 | 4.17066 | 4.41777 | 4.67926 | 4.95595 | 5.24871 | 5.55845 | 59   |
| 60   | 3.37893                 | 3.58345 | 3.80013 | 4.02967 | 4.27284 | 4.53042 | 4.80326 | 5.09224 | 5.39830 | 5.72243 | 60   |
| 61   | 3.44820                 | 3.66049 | 3.88563 | 4.12437 | 4.37753 | 4.64595 | 4.93055 | 5.23228 | 5.55215 | 5.89124 | 61   |
| 62   | 3.51889                 | 3.73919 | 3.97306 | 4.22129 | 4.48478 | 4.76442 | 5.06121 | 5.37617 | 5.71039 | 6.06503 | 62   |
| 63   | 3.59103                 | 3.81959 | 4.06245 | 4.32049 | 4.59466 | 4.88591 | 5.19533 | 5.52401 | 5.87313 | 6.24395 | 63   |
| 64   | 3.66464                 | 3.90171 | 4.15386 | 4.42203 | 4.70723 | 5.01051 | 5.33301 | 5.67592 | 6.04052 | 6.42815 | 64   |
| 65   | 3.73977                 | 3.98560 | 4.24732 | 4.52595 | 4.82255 | 5.13827 | 5.47433 | 5.83201 | 6.21267 | 6.61778 | 65   |
| 66   | 3.81643                 | 4.07129 | 4.34288 | 4.63231 | 4.94070 | 5.26930 | 5.61940 | 5.99239 | 6.38973 | 6.81300 | 66   |
| 67   | 3.89467                 | 4.15882 | 4.44060 | 4.74116 | 5.06175 | 5.40367 | 5.76832 | 6.15718 | 6.57184 | 7.01399 | 67   |
| 68   | 3.97451                 | 4.24823 | 4.54051 | 4.85258 | 5.18576 | 5.54146 | 5.92118 | 6.32650 | 6.75914 | 7.22090 | 68   |
| 69   | 4.05599                 | 4.33957 | 4.64267 | 4.96662 | 5.31282 | 5.68277 | 6.07809 | 6.50048 | 6.95177 | 7.43392 | 69   |
| 70   | 4.13914                 | 4.43287 | 4.74713 | 5.08333 | 5.44298 | 5.82768 | 6.23916 | 6.67924 | 7.14990 | 7.65322 | 70   |

TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED

| Year | GROWTH RATE (PERCENT) - |         |         |          |          |          |          |          |          |          | Year |
|------|-------------------------|---------|---------|----------|----------|----------|----------|----------|----------|----------|------|
|      | 3.0                     | 3.1     | 3.2     | 3.3      | 3.4      | 3.5      | 3.6      | 3.7      | 3.8      | 3.9      |      |
| 1    | 1.03049                 | 1.03149 | 1.03249 | 1.03349  | 1.03449  | 1.03549  | 1.03649  | 1.03749  | 1.03849  | 1.03949  | 1    |
| 2    | 1.06193                 | 1.06399 | 1.06605 | 1.06812  | 1.07019  | 1.07226  | 1.07433  | 1.07640  | 1.07848  | 1.08056  | 2    |
| 3    | 1.09431                 | 1.09750 | 1.10070 | 1.10390  | 1.10711  | 1.11032  | 1.11354  | 1.11677  | 1.12000  | 1.12324  | 3    |
| 4    | 1.12769                 | 1.13207 | 1.13647 | 1.14088  | 1.14530  | 1.14974  | 1.15418  | 1.15865  | 1.16312  | 1.16761  | 4    |
| 5    | 1.16209                 | 1.16773 | 1.17341 | 1.17910  | 1.18482  | 1.19055  | 1.19631  | 1.20209  | 1.20790  | 1.21373  | 5    |
| 6    | 1.19753                 | 1.20452 | 1.21154 | 1.21860  | 1.22569  | 1.23282  | 1.23998  | 1.24717  | 1.25440  | 1.26167  | 6    |
| 7    | 1.23405                 | 1.24246 | 1.25092 | 1.25942  | 1.26798  | 1.27658  | 1.28524  | 1.29394  | 1.30270  | 1.31150  | 7    |
| 8    | 1.27169                 | 1.28160 | 1.29157 | 1.30161  | 1.31172  | 1.32190  | 1.33215  | 1.34247  | 1.35285  | 1.36331  | 8    |
| 9    | 1.31048                 | 1.32197 | 1.33355 | 1.34522  | 1.35698  | 1.36883  | 1.38077  | 1.39281  | 1.40494  | 1.41716  | 9    |
| 10   | 1.35045                 | 1.36361 | 1.37689 | 1.39028  | 1.40379  | 1.41742  | 1.43117  | 1.44504  | 1.45903  | 1.47314  | 10   |
| 11   | 1.39164                 | 1.40657 | 1.42164 | 1.43686  | 1.45222  | 1.46774  | 1.48341  | 1.49923  | 1.51520  | 1.53133  | 11   |
| 12   | 1.43408                 | 1.45087 | 1.46784 | 1.48499  | 1.50233  | 1.51985  | 1.53755  | 1.55545  | 1.57354  | 1.59181  | 12   |
| 13   | 1.47782                 | 1.49658 | 1.51555 | 1.53474  | 1.55416  | 1.57380  | 1.59367  | 1.61378  | 1.63412  | 1.65469  | 13   |
| 14   | 1.52290                 | 1.54372 | 1.56480 | 1.58615  | 1.60778  | 1.62967  | 1.65184  | 1.67430  | 1.69703  | 1.72005  | 14   |
| 15   | 1.56935                 | 1.59234 | 1.61566 | 1.63929  | 1.66324  | 1.68752  | 1.71214  | 1.73708  | 1.76237  | 1.78799  | 15   |
| 16   | 1.61721                 | 1.64250 | 1.66817 | 1.69421  | 1.72063  | 1.74743  | 1.77463  | 1.80222  | 1.83022  | 1.85862  | 16   |
| 17   | 1.66654                 | 1.69424 | 1.72238 | 1.75096  | 1.77999  | 1.80947  | 1.83940  | 1.86981  | 1.90068  | 1.93204  | 17   |
| 18   | 1.71736                 | 1.74761 | 1.77836 | 1.80962  | 1.84140  | 1.87370  | 1.90654  | 1.93992  | 1.97386  | 2.00835  | 18   |
| 19   | 1.76974                 | 1.80266 | 1.83616 | 1.87024  | 1.90493  | 1.94022  | 1.97613  | 2.01267  | 2.04985  | 2.08768  | 19   |
| 20   | 1.82372                 | 1.85945 | 1.89583 | 1.93290  | 1.97065  | 2.00910  | 2.04826  | 2.08815  | 2.12877  | 2.17014  | 20   |
| 21   | 1.87935                 | 1.91802 | 1.95745 | 1.99765  | 2.03863  | 2.08042  | 2.12302  | 2.16645  | 2.21073  | 2.25587  | 21   |
| 22   | 1.93667                 | 1.97844 | 2.02106 | 2.06457  | 2.10897  | 2.15427  | 2.20051  | 2.24769  | 2.29584  | 2.34497  | 22   |
| 23   | 1.99573                 | 2.04076 | 2.08675 | 2.13373  | 2.18173  | 2.23075  | 2.28083  | 2.33198  | 2.38423  | 2.43760  | 23   |
| 24   | 2.05660                 | 2.10504 | 2.15457 | 2.20521  | 2.25700  | 2.30994  | 2.36408  | 2.41943  | 2.47603  | 2.53388  | 24   |
| 25   | 2.11933                 | 2.17135 | 2.22459 | 2.27909  | 2.33486  | 2.39195  | 2.45037  | 2.51016  | 2.57135  | 2.63397  | 25   |
| 26   | 2.18397                 | 2.23975 | 2.29689 | 2.35544  | 2.41542  | 2.47686  | 2.53981  | 2.60429  | 2.67035  | 2.73801  | 26   |
| 27   | 2.25058                 | 2.31030 | 2.37154 | 2.43434  | 2.49872  | 2.56479  | 2.63251  | 2.70195  | 2.77316  | 2.84617  | 27   |
| 28   | 2.31922                 | 2.38307 | 2.44862 | 2.51589  | 2.58495  | 2.65584  | 2.72860  | 2.80328  | 2.87992  | 2.95859  | 28   |
| 29   | 2.38996                 | 2.45814 | 2.52820 | 2.60018  | 2.67414  | 2.75012  | 2.82819  | 2.90840  | 2.99080  | 3.07545  | 29   |
| 30   | 2.46285                 | 2.53557 | 2.61036 | 2.68728  | 2.76639  | 2.84775  | 2.93142  | 3.01747  | 3.10595  | 3.19694  | 30   |
| 31   | 2.53797                 | 2.61544 | 2.69520 | 2.77731  | 2.86183  | 2.94885  | 3.03842  | 3.13062  | 3.22553  | 3.32321  | 31   |
| 32   | 2.61538                 | 2.69783 | 2.78279 | 2.87035  | 2.96057  | 3.05353  | 3.14932  | 3.24802  | 3.34971  | 3.45448  | 32   |
| 33   | 2.69515                 | 2.78281 | 2.87323 | 2.96650  | 3.06271  | 3.16193  | 3.26427  | 3.36982  | 3.47867  | 3.59093  | 33   |
| 34   | 2.77735                 | 2.87047 | 2.96661 | 3.06588  | 3.16837  | 3.27418  | 3.38342  | 3.49619  | 3.61260  | 3.73278  | 34   |
| 35   | 2.86206                 | 2.96089 | 3.06303 | 3.16859  | 3.27768  | 3.39041  | 3.50691  | 3.62729  | 3.75169  | 3.88022  | 35   |
| 36   | 2.94935                 | 3.05416 | 3.16258 | 3.27474  | 3.39076  | 3.51077  | 3.63491  | 3.76332  | 3.89613  | 4.03349  | 36   |
| 37   | 3.03931                 | 3.15036 | 3.26536 | 3.38444  | 3.50774  | 3.63541  | 3.76759  | 3.90444  | 4.04613  | 4.19281  | 37   |
| 38   | 3.13201                 | 3.24960 | 3.37149 | 3.49782  | 3.62876  | 3.76446  | 3.90511  | 4.05086  | 4.20191  | 4.35843  | 38   |
| 39   | 3.22753                 | 3.35196 | 3.48106 | 3.61500  | 3.75395  | 3.89810  | 4.04764  | 4.20277  | 4.36368  | 4.53059  | 39   |
| 40   | 3.32597                 | 3.45755 | 3.59419 | 3.73610  | 3.88346  | 4.03648  | 4.19538  | 4.36037  | 4.53168  | 4.70954  | 40   |
| 41   | 3.42742                 | 3.56646 | 3.71100 | 3.86126  | 4.01744  | 4.17978  | 4.34851  | 4.52389  | 4.70615  | 4.89557  | 41   |
| 42   | 3.53195                 | 3.67881 | 3.83161 | 3.99061  | 4.15604  | 4.32816  | 4.50723  | 4.69353  | 4.88734  | 5.08895  | 42   |
| 43   | 3.63968                 | 3.79469 | 3.95614 | 4.12429  | 4.29943  | 4.48181  | 4.67175  | 4.86954  | 5.07550  | 5.28996  | 43   |
| 44   | 3.75069                 | 3.91422 | 4.08471 | 4.26246  | 4.44776  | 4.64092  | 4.84227  | 5.05215  | 5.27091  | 5.49891  | 44   |
| 45   | 3.86508                 | 4.03752 | 4.21747 | 4.40525  | 4.60120  | 4.80567  | 5.01901  | 5.24160  | 5.47384  | 5.71612  | 45   |
| 46   | 3.98297                 | 4.16470 | 4.35454 | 4.55283  | 4.75995  | 4.97627  | 5.20220  | 5.43816  | 5.68458  | 5.94191  | 46   |
| 47   | 4.10445                 | 4.29589 | 4.49606 | 4.70535  | 4.92416  | 5.15293  | 5.39208  | 5.64209  | 5.90344  | 6.17661  | 47   |
| 48   | 4.22964                 | 4.43121 | 4.64218 | 4.86298  | 5.09405  | 5.33586  | 5.58890  | 5.85367  | 6.13072  | 6.42059  | 48   |
| 49   | 4.35864                 | 4.57079 | 4.79305 | 5.02589  | 5.26979  | 5.52528  | 5.79289  | 6.07318  | 6.36675  | 6.67420  | 49   |
| 50   | 4.49158                 | 4.71477 | 4.94882 | 5.19425  | 5.45160  | 5.72143  | 6.00433  | 6.30093  | 6.61187  | 6.93783  | 50   |
| 51   | 4.62857                 | 4.86329 | 5.10966 | 5.36826  | 5.63968  | 5.92454  | 6.22349  | 6.53721  | 6.86643  | 7.21188  | 51   |
| 52   | 4.76974                 | 5.01648 | 5.27573 | 5.54810  | 5.83425  | 6.13486  | 6.45065  | 6.78236  | 7.13079  | 7.49675  | 52   |
| 53   | 4.91522                 | 5.17450 | 5.44719 | 5.73396  | 6.03553  | 6.35265  | 6.68610  | 7.03670  | 7.40532  | 7.79287  | 53   |
| 54   | 5.06514                 | 5.33750 | 5.62422 | 5.92605  | 6.24376  | 6.57817  | 6.93014  | 7.30057  | 7.69043  | 8.10069  | 54   |
| 55   | 5.21962                 | 5.50563 | 5.80701 | 6.12457  | 6.45917  | 6.81169  | 7.18309  | 7.57435  | 7.98651  | 8.42066  | 55   |
| 56   | 5.37882                 | 5.67906 | 5.99574 | 6.32974  | 6.68201  | 7.05351  | 7.44527  | 7.85838  | 8.29399  | 8.75328  | 56   |
| 57   | 5.54287                 | 5.85795 | 6.19060 | 6.54179  | 6.91254  | 7.30390  | 7.71702  | 8.15307  | 8.61331  | 9.09903  | 57   |
| 58   | 5.71193                 | 6.04247 | 6.39179 | 6.76094  | 7.15102  | 7.56319  | 7.99869  | 8.45881  | 8.94492  | 9.45845  | 58   |
| 59   | 5.88615                 | 6.23281 | 6.59952 | 6.98743  | 7.39773  | 7.83169  | 8.29065  | 8.77602  | 9.28930  | 9.83205  | 59   |
| 60   | 6.06567                 | 6.42915 | 6.81401 | 7.22151  | 7.65295  | 8.10971  | 8.59326  | 9.10512  | 9.64694  | 10.22042 | 60   |
| 61   | 6.25068                 | 6.63166 | 7.03546 | 7.46343  | 7.91698  | 8.39761  | 8.90691  | 9.44656  | 10.01835 | 10.62413 | 61   |
| 62   | 6.44132                 | 6.84056 | 7.26412 | 7.71345  | 8.19012  | 8.69572  | 9.23201  | 9.80081  | 10.40405 | 11.04378 | 62   |
| 63   | 6.63778                 | 7.05604 | 7.50020 | 7.97185  | 8.47267  | 9.00442  | 9.56898  | 10.16834 | 10.80461 | 11.48001 | 63   |
| 64   | 6.84024                 | 7.27831 | 7.74396 | 8.23891  | 8.76498  | 9.32408  | 9.91825  | 10.54965 | 11.22059 | 11.93347 | 64   |
| 65   | 7.04886                 | 7.50757 | 7.99564 | 8.51492  | 9.06737  | 9.65508  | 10.28026 | 10.94526 | 11.65258 | 12.40484 | 65   |
| 66   | 7.26385                 | 7.74406 | 8.25550 | 8.80017  | 9.38020  | 9.99784  | 10.65549 | 11.35571 | 12.10121 | 12.89484 | 66   |
| 67   | 7.48540                 | 7.98800 | 8.52380 | 9.09497  | 9.70381  | 10.35276 | 11.04442 | 11.78155 | 12.56710 | 13.40418 | 67   |
| 68   | 7.71371                 | 8.23962 | 8.80082 | 9.39965  | 10.03860 | 10.72029 | 11.44754 | 12.22336 | 13.05094 | 13.93365 | 68   |
| 69   | 7.94897                 | 8.49917 | 9.08685 | 9.71454  | 10.38493 | 11.10086 | 11.86538 | 12.68174 | 13.55340 | 14.48403 | 69   |
| 70   | 8.19142                 | 8.76690 | 9.38217 | 10.03998 | 10.74321 | 11.49494 | 12.29846 | 13.15730 | 14.07520 | 15.05614 | 70   |

**TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED**

| Year | GROWTH RATE (PERCENT) - |          |          |          |          |          |          |          |          |          | Year |
|------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|      | 4.0                     | 4.1      | 4.2      | 4.3      | 4.4      | 4.5      | 4.6      | 4.7      | 4.8      | 4.9      |      |
| 1    | 1.04049                 | 1.04149  | 1.04249  | 1.04349  | 1.04449  | 1.04549  | 1.04649  | 1.04749  | 1.04849  | 1.04949  | 1    |
| 2    | 1.08264                 | 1.08472  | 1.08680  | 1.08889  | 1.09098  | 1.09307  | 1.09516  | 1.09725  | 1.09935  | 1.10145  | 2    |
| 3    | 1.12648                 | 1.12973  | 1.13299  | 1.13625  | 1.13951  | 1.14280  | 1.14608  | 1.14937  | 1.15267  | 1.15597  | 3    |
| 4    | 1.17210                 | 1.17662  | 1.18114  | 1.18568  | 1.19023  | 1.19480  | 1.19938  | 1.20397  | 1.20857  | 1.21319  | 4    |
| 5    | 1.21958                 | 1.22545  | 1.23134  | 1.23726  | 1.24320  | 1.24916  | 1.25515  | 1.26115  | 1.26719  | 1.27324  | 5    |
| 6    | 1.26897                 | 1.27630  | 1.28367  | 1.29108  | 1.29852  | 1.30600  | 1.31351  | 1.32106  | 1.32864  | 1.33627  | 6    |
| 7    | 1.32036                 | 1.32927  | 1.33823  | 1.34724  | 1.35631  | 1.36542  | 1.37459  | 1.38381  | 1.39308  | 1.40241  | 7    |
| 8    | 1.37384                 | 1.38444  | 1.39511  | 1.40585  | 1.41666  | 1.42755  | 1.43851  | 1.44954  | 1.46065  | 1.47183  | 8    |
| 9    | 1.42948                 | 1.44189  | 1.45440  | 1.46700  | 1.47970  | 1.49250  | 1.50540  | 1.51840  | 1.53149  | 1.54469  | 9    |
| 10   | 1.48737                 | 1.50173  | 1.51621  | 1.53082  | 1.54555  | 1.56041  | 1.57540  | 1.59052  | 1.60577  | 1.62115  | 10   |
| 11   | 1.54761                 | 1.56405  | 1.58065  | 1.59741  | 1.61433  | 1.63141  | 1.64866  | 1.66607  | 1.68365  | 1.70140  | 11   |
| 12   | 1.61029                 | 1.62896  | 1.64783  | 1.66689  | 1.68616  | 1.70564  | 1.72532  | 1.74521  | 1.76531  | 1.78562  | 12   |
| 13   | 1.67550                 | 1.69656  | 1.71786  | 1.73940  | 1.76120  | 1.78325  | 1.80555  | 1.82810  | 1.85092  | 1.87400  | 13   |
| 14   | 1.74336                 | 1.76697  | 1.79087  | 1.81507  | 1.83957  | 1.86438  | 1.88950  | 1.91494  | 1.94069  | 1.96677  | 14   |
| 15   | 1.81397                 | 1.84030  | 1.86698  | 1.89402  | 1.92143  | 1.94921  | 1.97737  | 2.00590  | 2.03482  | 2.06412  | 15   |
| 16   | 1.88744                 | 1.91667  | 1.94633  | 1.97641  | 2.00694  | 2.03790  | 2.06931  | 2.10118  | 2.13351  | 2.16630  | 16   |
| 17   | 1.96388                 | 1.99621  | 2.02905  | 2.06239  | 2.09625  | 2.13063  | 2.16554  | 2.20099  | 2.23698  | 2.27353  | 17   |
| 18   | 2.04341                 | 2.07905  | 2.11528  | 2.15210  | 2.18953  | 2.22757  | 2.26624  | 2.30553  | 2.34547  | 2.38607  | 18   |
| 19   | 2.12617                 | 2.16533  | 2.20518  | 2.24572  | 2.28696  | 2.32893  | 2.37162  | 2.41505  | 2.45923  | 2.50418  | 19   |
| 20   | 2.21228                 | 2.25520  | 2.29890  | 2.34341  | 2.38873  | 2.43489  | 2.48190  | 2.52976  | 2.57850  | 2.62814  | 20   |
| 21   | 2.30188                 | 2.34879  | 2.39660  | 2.44535  | 2.49503  | 2.54568  | 2.59730  | 2.64993  | 2.70356  | 2.75823  | 21   |
| 22   | 2.39511                 | 2.44626  | 2.49846  | 2.55172  | 2.60606  | 2.66151  | 2.71808  | 2.77580  | 2.83468  | 2.89476  | 22   |
| 23   | 2.49211                 | 2.54778  | 2.60464  | 2.66272  | 2.72203  | 2.78261  | 2.84447  | 2.90765  | 2.97217  | 3.03805  | 23   |
| 24   | 2.59304                 | 2.65352  | 2.71534  | 2.77855  | 2.84316  | 2.90922  | 2.97674  | 3.04576  | 3.11632  | 3.18844  | 24   |
| 25   | 2.69806                 | 2.76364  | 2.83074  | 2.89942  | 2.96968  | 3.04159  | 3.11516  | 3.19043  | 3.26746  | 3.34626  | 25   |
| 26   | 2.80733                 | 2.87833  | 2.95105  | 3.02554  | 3.10184  | 3.17998  | 3.26001  | 3.34198  | 3.42593  | 3.51190  | 26   |
| 27   | 2.92103                 | 2.99778  | 3.07647  | 3.15715  | 3.23987  | 3.32467  | 3.41160  | 3.50073  | 3.59209  | 3.68574  | 27   |
| 28   | 3.03933                 | 3.12219  | 3.20722  | 3.29449  | 3.38404  | 3.47594  | 3.57024  | 3.66701  | 3.76630  | 3.86819  | 28   |
| 29   | 3.16242                 | 3.25176  | 3.34353  | 3.43780  | 3.53463  | 3.63410  | 3.73626  | 3.84119  | 3.94897  | 4.05966  | 29   |
| 30   | 3.29050                 | 3.38671  | 3.48563  | 3.58734  | 3.69192  | 3.79945  | 3.90999  | 4.02365  | 4.14049  | 4.26062  | 30   |
| 31   | 3.42376                 | 3.52725  | 3.63377  | 3.74339  | 3.85621  | 3.97232  | 4.09181  | 4.21477  | 4.34131  | 4.47152  | 31   |
| 32   | 3.56243                 | 3.67633  | 3.78820  | 3.90623  | 4.02782  | 4.15306  | 4.28208  | 4.41497  | 4.55186  | 4.69286  | 32   |
| 33   | 3.70670                 | 3.82609  | 3.94920  | 4.07615  | 4.20705  | 4.34203  | 4.48120  | 4.62469  | 4.77263  | 4.92516  | 33   |
| 34   | 3.85683                 | 3.98487  | 4.11704  | 4.25346  | 4.39427  | 4.53959  | 4.68957  | 4.84436  | 5.00410  | 5.16895  | 34   |
| 35   | 4.01303                 | 4.15025  | 4.29202  | 4.43849  | 4.58981  | 4.74614  | 4.90764  | 5.07447  | 5.24680  | 5.42481  | 35   |
| 36   | 4.17556                 | 4.32248  | 4.47443  | 4.63156  | 4.79406  | 4.96209  | 5.13584  | 5.31550  | 5.50127  | 5.69334  | 36   |
| 37   | 4.34467                 | 4.50186  | 4.66459  | 4.83304  | 5.00739  | 5.18787  | 5.37466  | 5.56799  | 5.76808  | 5.97516  | 37   |
| 38   | 4.52062                 | 4.68869  | 4.86284  | 5.04327  | 5.23022  | 5.42392  | 5.62458  | 5.83247  | 6.04783  | 6.27093  | 38   |
| 39   | 4.70371                 | 4.88327  | 5.06951  | 5.26266  | 5.46297  | 5.67070  | 5.88612  | 6.10951  | 6.34115  | 6.58135  | 39   |
| 40   | 4.89421                 | 5.08593  | 5.28496  | 5.49158  | 5.70607  | 5.92872  | 6.15983  | 6.39971  | 6.64870  | 6.90712  | 40   |
| 41   | 5.09243                 | 5.29699  | 5.50957  | 5.73047  | 5.95999  | 6.19848  | 6.44626  | 6.70370  | 6.97116  | 7.24902  | 41   |
| 42   | 5.29867                 | 5.51682  | 5.74373  | 5.97974  | 6.22521  | 6.48051  | 6.74601  | 7.02213  | 7.30926  | 7.60785  | 42   |
| 43   | 5.51327                 | 5.74577  | 5.98784  | 6.23986  | 6.50223  | 6.77537  | 7.05970  | 7.35568  | 7.66376  | 7.98444  | 43   |
| 44   | 5.73655                 | 5.98422  | 6.24232  | 6.51129  | 6.79158  | 7.08365  | 7.38798  | 7.70507  | 8.03546  | 8.37967  | 44   |
| 45   | 5.96888                 | 6.23256  | 6.50762  | 6.79454  | 7.09381  | 7.40596  | 7.73152  | 8.07106  | 8.42517  | 8.79446  | 45   |
| 46   | 6.21062                 | 6.49121  | 6.78419  | 7.09010  | 7.40948  | 7.74293  | 8.09103  | 8.45444  | 8.83380  | 9.22979  | 46   |
| 47   | 6.46215                 | 6.76060  | 7.07252  | 7.39852  | 7.73921  | 8.09523  | 8.46727  | 8.85603  | 9.26223  | 9.68666  | 47   |
| 48   | 6.72387                 | 7.04117  | 7.37311  | 7.72035  | 8.08360  | 8.46357  | 8.86100  | 9.27669  | 9.71145  | 10.16615 | 48   |
| 49   | 6.99619                 | 7.33337  | 7.68646  | 8.05619  | 8.44332  | 8.84866  | 9.27303  | 9.71733  | 10.18246 | 10.66938 | 49   |
| 50   | 7.27953                 | 7.63771  | 8.01314  | 8.40663  | 8.81905  | 9.25127  | 9.70423  | 10.17890 | 10.67631 | 11.19751 | 50   |
| 51   | 7.57435                 | 7.95467  | 8.35370  | 8.77232  | 9.21150  | 9.67220  | 10.15547 | 10.66240 | 11.19411 | 11.75179 | 51   |
| 52   | 7.88112                 | 8.28479  | 8.70873  | 9.15392  | 9.62141  | 10.11229 | 10.62770 | 11.16886 | 11.73702 | 12.33350 | 52   |
| 53   | 8.20030                 | 8.62861  | 9.07885  | 9.55211  | 10.04956 | 10.57240 | 11.12189 | 11.69939 | 12.30627 | 12.94401 | 53   |
| 54   | 8.53241                 | 8.98670  | 9.46470  | 9.96763  | 10.49677 | 11.05344 | 11.63906 | 12.25511 | 12.90312 | 13.58474 | 54   |
| 55   | 8.87798                 | 9.35965  | 9.86695  | 10.40122 | 10.96387 | 11.55638 | 12.18028 | 12.83722 | 13.52892 | 14.25719 | 55   |
| 56   | 9.23753                 | 9.74807  | 10.28629 | 10.85367 | 11.45177 | 12.08219 | 12.74666 | 13.44699 | 14.18508 | 14.96292 | 56   |
| 57   | 9.61165                 | 10.15262 | 10.72346 | 11.32581 | 11.96137 | 12.63193 | 13.33938 | 14.08572 | 14.87305 | 15.70358 | 57   |
| 58   | 10.00093                | 10.57395 | 11.17921 | 11.81848 | 12.49365 | 13.20668 | 13.95966 | 14.75480 | 15.59440 | 16.48091 | 58   |
| 59   | 10.40596                | 11.01277 | 11.65433 | 12.33259 | 13.04962 | 13.80759 | 14.60878 | 15.45565 | 16.35072 | 17.29671 | 59   |
| 60   | 10.82740                | 11.46980 | 12.14963 | 12.86905 | 13.63033 | 14.43583 | 15.28809 | 16.18979 | 17.14373 | 18.15290 | 60   |
| 61   | 11.26591                | 11.94580 | 12.66599 | 13.42886 | 14.23688 | 15.09266 | 15.99899 | 16.95881 | 17.97521 | 19.05147 | 61   |
| 62   | 11.72218                | 12.44155 | 13.20430 | 14.01301 | 14.87042 | 15.77938 | 16.74294 | 17.76435 | 18.84700 | 19.99452 | 62   |
| 63   | 12.19693                | 12.95787 | 13.76548 | 14.62258 | 15.53215 | 16.49734 | 17.52149 | 18.60816 | 19.76108 | 20.98425 | 63   |
| 64   | 12.69091                | 13.49562 | 14.35051 | 15.25866 | 16.22333 | 17.24797 | 18.33624 | 19.49204 | 20.71950 | 22.02297 | 64   |
| 65   | 13.20489                | 14.05569 | 14.96042 | 15.92241 | 16.94526 | 18.03275 | 19.18887 | 20.41791 | 21.72439 | 23.11310 | 65   |
| 66   | 13.73969                | 14.63900 | 15.59623 | 16.61504 | 17.69933 | 18.85325 | 20.08115 | 21.38776 | 22.77803 | 24.25720 | 66   |
| 67   | 14.29615                | 15.24652 | 16.25907 | 17.33779 | 18.48695 | 19.71107 | 21.01492 | 22.40368 | 23.88276 | 25.45793 | 67   |
| 68   | 14.87514                | 15.87925 | 16.95008 | 18.09199 | 19.30962 | 20.66792 | 21.99222 | 23.46786 | 25.04108 | 26.71809 | 68   |
| 69   | 15.47758                | 16.53824 | 17.67046 | 18.87899 | 20.16889 | 21.54558 | 23.01475 | 24.58258 | 26.25557 | 28.04064 | 69   |
| 70   | 16.10443                | 17.22457 | 18.42146 | 19.70022 | 21.06641 | 22.52591 | 24.08493 | 25.75025 | 27.52896 | 29.42865 | 70   |

TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED

| Year | GROWTH RATE (PERCENT) - |          |          |          |          |          |          |          |          |          | Year |
|------|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|      | 5.0                     | 5.1      | 5.2      | 5.3      | 5.4      | 5.5      | 5.6      | 5.7      | 5.8      | 5.9      |      |
| 1    | 1.05049                 | 1.05149  | 1.05249  | 1.05349  | 1.05449  | 1.05549  | 1.05649  | 1.05749  | 1.05849  | 1.05949  | 1    |
| 2    | 1.10355                 | 1.10565  | 1.10775  | 1.10986  | 1.11197  | 1.11408  | 1.11619  | 1.11830  | 1.12042  | 1.12254  | 2    |
| 3    | 1.15927                 | 1.16259  | 1.16591  | 1.16923  | 1.17257  | 1.17591  | 1.17925  | 1.18260  | 1.18596  | 1.18933  | 3    |
| 4    | 1.21782                 | 1.22246  | 1.22712  | 1.23179  | 1.23647  | 1.24117  | 1.24588  | 1.25060  | 1.25534  | 1.26009  | 4    |
| 5    | 1.27932                 | 1.28542  | 1.29154  | 1.29769  | 1.30386  | 1.31005  | 1.31627  | 1.32251  | 1.32878  | 1.33507  | 5    |
| 6    | 1.34392                 | 1.35162  | 1.35935  | 1.36712  | 1.37492  | 1.38276  | 1.39064  | 1.39856  | 1.40651  | 1.41450  | 6    |
| 7    | 1.41179                 | 1.42123  | 1.43072  | 1.44026  | 1.44985  | 1.45951  | 1.46921  | 1.47898  | 1.48879  | 1.49867  | 7    |
| 8    | 1.48309                 | 1.49442  | 1.50583  | 1.51731  | 1.52887  | 1.54051  | 1.55222  | 1.56402  | 1.57589  | 1.58784  | 8    |
| 9    | 1.55798                 | 1.57138  | 1.58488  | 1.59849  | 1.61220  | 1.62601  | 1.63993  | 1.65395  | 1.66808  | 1.68231  | 9    |
| 10   | 1.63666                 | 1.65231  | 1.66809  | 1.68401  | 1.70006  | 1.71625  | 1.73258  | 1.74905  | 1.76566  | 1.78241  | 10   |
| 11   | 1.71931                 | 1.73740  | 1.75567  | 1.77410  | 1.79271  | 1.81150  | 1.83047  | 1.84962  | 1.86895  | 1.88847  | 11   |
| 12   | 1.80614                 | 1.82688  | 1.84784  | 1.86902  | 1.89042  | 1.91204  | 1.93389  | 1.95598  | 1.97829  | 2.00083  | 12   |
| 13   | 1.89735                 | 1.92096  | 1.94485  | 1.96901  | 1.99345  | 2.01816  | 2.04316  | 2.06844  | 2.09402  | 2.11988  | 13   |
| 14   | 1.99317                 | 2.01989  | 2.04695  | 2.07435  | 2.10209  | 2.13017  | 2.15860  | 2.18738  | 2.21652  | 2.24601  | 14   |
| 15   | 2.09382                 | 2.12392  | 2.15442  | 2.18533  | 2.21665  | 2.24839  | 2.28056  | 2.31315  | 2.34618  | 2.37965  | 15   |
| 16   | 2.19956                 | 2.23330  | 2.26753  | 2.30225  | 2.33746  | 2.37318  | 2.40941  | 2.44616  | 2.48343  | 2.52124  | 16   |
| 17   | 2.31064                 | 2.34832  | 2.38657  | 2.42542  | 2.46485  | 2.50489  | 2.54554  | 2.58682  | 2.62872  | 2.67125  | 17   |
| 18   | 2.42733                 | 2.46926  | 2.51187  | 2.55518  | 2.59919  | 2.64391  | 2.68937  | 2.73556  | 2.78250  | 2.83019  | 18   |
| 19   | 2.54991                 | 2.59642  | 2.64374  | 2.69188  | 2.74084  | 2.79065  | 2.84132  | 2.89285  | 2.94527  | 2.99859  | 19   |
| 20   | 2.67868                 | 2.73014  | 2.78254  | 2.83589  | 2.89022  | 2.94553  | 3.00185  | 3.05919  | 3.11757  | 3.17701  | 20   |
| 21   | 2.81395                 | 2.87074  | 2.92862  | 2.98761  | 3.04774  | 3.10901  | 3.17146  | 3.23510  | 3.29995  | 3.36604  | 21   |
| 22   | 2.95605                 | 3.01858  | 3.08237  | 3.14745  | 3.21384  | 3.28156  | 3.35064  | 3.42111  | 3.49300  | 3.56632  | 22   |
| 23   | 3.10534                 | 3.17404  | 3.24420  | 3.31584  | 3.38899  | 3.46369  | 3.53996  | 3.61783  | 3.69734  | 3.77852  | 23   |
| 24   | 3.26215                 | 3.33750  | 3.41452  | 3.49324  | 3.57369  | 3.65592  | 3.73996  | 3.82585  | 3.91363  | 4.00334  | 24   |
| 25   | 3.42689                 | 3.50939  | 3.59378  | 3.68013  | 3.76846  | 3.85883  | 3.95127  | 4.04584  | 4.14258  | 4.24154  | 25   |
| 26   | 3.59995                 | 3.69012  | 3.78246  | 3.87701  | 3.97384  | 4.07299  | 4.17452  | 4.27848  | 4.38492  | 4.49391  | 26   |
| 27   | 3.78175                 | 3.88016  | 3.98103  | 4.08443  | 4.19041  | 4.29904  | 4.41038  | 4.52449  | 4.64144  | 4.76130  | 27   |
| 28   | 3.97273                 | 4.07999  | 4.19004  | 4.30295  | 4.41879  | 4.53764  | 4.65957  | 4.78465  | 4.91296  | 5.04459  | 28   |
| 29   | 4.17335                 | 4.29011  | 4.41002  | 4.53316  | 4.65962  | 4.78948  | 4.92283  | 5.05976  | 5.20037  | 5.34475  | 29   |
| 30   | 4.38411                 | 4.51105  | 4.64154  | 4.77568  | 4.91357  | 5.05529  | 5.20097  | 5.35070  | 5.50459  | 5.66276  | 30   |
| 31   | 4.60550                 | 4.74337  | 4.88522  | 5.03118  | 5.18135  | 5.33586  | 5.49483  | 5.65837  | 5.82661  | 5.99969  | 31   |
| 32   | 4.83808                 | 4.98765  | 5.14170  | 5.30035  | 5.46374  | 5.63200  | 5.80528  | 5.98372  | 6.16747  | 6.35668  | 32   |
| 33   | 5.08240                 | 5.24452  | 5.41164  | 5.58392  | 5.76151  | 5.94458  | 6.13328  | 6.32779  | 6.52826  | 6.73490  | 33   |
| 34   | 5.33907                 | 5.51461  | 5.69575  | 5.88266  | 6.07552  | 6.27450  | 6.47981  | 6.69163  | 6.91017  | 7.13562  | 34   |
| 35   | 5.60869                 | 5.79861  | 5.99478  | 6.19738  | 6.40663  | 6.62274  | 6.84592  | 7.07640  | 7.31441  | 7.56019  | 35   |
| 36   | 5.89193                 | 6.09724  | 6.30950  | 6.52894  | 6.75579  | 6.99030  | 7.23272  | 7.48330  | 7.74231  | 8.01003  | 36   |
| 37   | 6.18947                 | 6.41125  | 6.64075  | 6.87824  | 7.12398  | 7.37826  | 7.64137  | 7.91359  | 8.19523  | 8.48662  | 37   |
| 38   | 6.50204                 | 6.74143  | 6.98939  | 7.24623  | 7.51224  | 7.78776  | 8.07310  | 8.36862  | 8.67465  | 8.99158  | 38   |
| 39   | 6.83039                 | 7.08861  | 7.35633  | 7.63390  | 7.92166  | 8.21998  | 8.52923  | 8.84981  | 9.18212  | 9.52657  | 39   |
| 40   | 7.17533                 | 7.45368  | 7.74254  | 8.04231  | 8.35339  | 8.67619  | 9.01114  | 9.35868  | 9.71927  | 10.09341 | 40   |
| 41   | 7.53768                 | 7.83754  | 8.14902  | 8.47258  | 8.80865  | 9.15771  | 9.52027  | 9.89680  | 10.28785 | 10.69396 | 41   |
| 42   | 7.91833                 | 8.24118  | 8.57685  | 8.92586  | 9.28872  | 9.66597  | 10.05816 | 10.46587 | 10.88969 | 11.33025 | 42   |
| 43   | 8.31821                 | 8.66560  | 9.02713  | 9.40339  | 9.79495  | 10.20243 | 10.62645 | 11.06766 | 11.52674 | 12.00440 | 43   |
| 44   | 8.73828                 | 9.11187  | 9.50106  | 9.90647  | 10.32878 | 10.76866 | 11.22684 | 11.70405 | 12.20105 | 12.71867 | 44   |
| 45   | 9.17956                 | 9.58114  | 9.99986  | 10.43647 | 10.89170 | 11.36632 | 11.86116 | 12.37703 | 12.91481 | 13.47543 | 45   |
| 46   | 9.64313                 | 10.07456 | 10.52485 | 10.99482 | 11.48530 | 11.99716 | 12.53131 | 13.08871 | 13.67033 | 14.27721 | 46   |
| 47   | 10.13011                | 10.59340 | 11.07741 | 11.58305 | 12.11124 | 12.66300 | 13.23933 | 13.84131 | 14.47004 | 15.12671 | 47   |
| 48   | 10.64168                | 11.13897 | 11.65897 | 12.20274 | 12.77131 | 13.36579 | 13.98736 | 14.63718 | 15.31654 | 16.02675 | 48   |
| 49   | 11.17909                | 11.71262 | 12.27107 | 12.85559 | 13.46734 | 14.10760 | 14.77764 | 15.47882 | 16.21256 | 16.98034 | 49   |
| 50   | 11.74363                | 12.31582 | 12.91530 | 13.54336 | 14.20131 | 14.89057 | 15.61258 | 16.36885 | 17.16099 | 17.99067 | 50   |
| 51   | 12.33668                | 12.95009 | 13.59335 | 14.26793 | 14.97528 | 15.71699 | 16.49469 | 17.31006 | 18.16491 | 19.06111 | 51   |
| 52   | 12.95968                | 13.61702 | 14.30700 | 15.03126 | 15.79144 | 16.58929 | 17.42664 | 18.30539 | 19.22756 | 20.19525 | 52   |
| 53   | 13.61415                | 14.31829 | 15.05812 | 15.83544 | 16.65207 | 17.50999 | 18.41124 | 19.35795 | 20.35237 | 21.39687 | 53   |
| 54   | 14.30166                | 15.05568 | 15.84867 | 16.68263 | 17.55961 | 18.48180 | 19.45148 | 20.47103 | 21.54028 | 22.66998 | 54   |
| 55   | 15.02390                | 15.83105 | 16.68073 | 17.57515 | 18.51661 | 19.50754 | 20.55049 | 21.64812 | 22.80325 | 24.01884 | 55   |
| 56   | 15.78260                | 16.64635 | 17.55647 | 18.51542 | 19.52576 | 20.59020 | 21.71159 | 22.89289 | 24.13724 | 25.44796 | 56   |
| 57   | 16.57963                | 17.50364 | 18.47818 | 19.50600 | 20.58992 | 21.73296 | 22.93830 | 24.20923 | 25.54927 | 26.96212 | 57   |
| 58   | 17.41690                | 18.40508 | 19.44828 | 20.54957 | 21.71207 | 22.93914 | 24.23431 | 25.60126 | 27.04390 | 28.56636 | 58   |
| 59   | 18.29645                | 19.35294 | 20.46932 | 21.64897 | 22.89537 | 24.21226 | 25.60355 | 27.07333 | 28.62597 | 30.26606 | 59   |
| 60   | 19.22042                | 20.34961 | 21.54396 | 22.80719 | 24.14317 | 25.55604 | 27.05015 | 28.63004 | 30.30058 | 32.06689 | 60   |
| 61   | 20.19105                | 21.39762 | 22.67501 | 24.02737 | 25.45897 | 26.97440 | 28.57848 | 30.27627 | 32.07317 | 33.97487 | 61   |
| 62   | 21.21070                | 22.49960 | 23.86545 | 25.31284 | 26.84649 | 28.47148 | 30.19316 | 32.01716 | 33.94945 | 35.99637 | 62   |
| 63   | 22.28184                | 23.65833 | 25.11839 | 26.66707 | 28.30962 | 30.05165 | 31.89908 | 33.85814 | 35.93549 | 38.13816 | 63   |
| 64   | 23.40707                | 24.87673 | 26.43710 | 28.09376 | 29.85249 | 31.71951 | 33.70138 | 35.80499 | 38.03772 | 40.40738 | 64   |
| 65   | 24.58913                | 26.15788 | 27.82504 | 29.59677 | 31.47945 | 33.47994 | 35.60549 | 37.86377 | 40.26290 | 42.81160 | 65   |
| 66   | 25.83088                | 27.50501 | 29.28586 | 31.18020 | 33.19508 | 35.33808 | 37.61720 | 40.04094 | 42.61828 | 45.35889 | 66   |
| 67   | 27.13534                | 28.92152 | 30.82336 | 32.84834 | 35.00421 | 37.29934 | 39.74257 | 42.34329 | 45.11145 | 48.05775 | 67   |
| 68   | 28.50568                | 30.41098 | 32.44159 | 34.60572 | 36.91194 | 39.36945 | 41.98803 | 44.77803 | 47.75047 | 50.91718 | 68   |
| 69   | 29.94521                | 31.97714 | 34.14477 | 36.45713 | 38.92364 | 41.55446 | 44.36035 | 47.35277 | 50.54387 | 53.94675 | 69   |
| 70   | 31.45744                | 33.62397 | 35.93737 | 38.40758 | 41.04497 | 43.86073 | 46.86671 | 50.07555 | 53.50069 | 57.15658 | 70   |



**TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED**

| Year | GROWTH RATE (PERCENT) - |          |          |          |           |           |           |           |           |           | Year |
|------|-------------------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|      | 6.0                     | 6.1      | 6.2      | 6.3      | 6.4       | 6.5       | 6.6       | 6.7       | 6.8       | 6.9       |      |
| 1    | 1.06049                 | 1.06149  | 1.06249  | 1.06349  | 1.06449   | 1.06549   | 1.06649   | 1.06749   | 1.06849   | 1.06949   | 1    |
| 2    | 1.12466                 | 1.12678  | 1.12890  | 1.13103  | 1.13316   | 1.13529   | 1.13742   | 1.13955   | 1.14169   | 1.14383   | 2    |
| 3    | 1.19270                 | 1.19607  | 1.19946  | 1.20285  | 1.20624   | 1.20963   | 1.21306   | 1.21647   | 1.21989   | 1.22332   | 3    |
| 4    | 1.26486                 | 1.26963  | 1.27442  | 1.27923  | 1.28405   | 1.28888   | 1.29372   | 1.29858   | 1.30346   | 1.30834   | 4    |
| 5    | 1.34138                 | 1.34772  | 1.35408  | 1.36046  | 1.36687   | 1.37330   | 1.37976   | 1.38624   | 1.39274   | 1.39927   | 5    |
| 6    | 1.42253                 | 1.43060  | 1.43871  | 1.44685  | 1.45503   | 1.46325   | 1.47151   | 1.47981   | 1.48815   | 1.49652   | 6    |
| 7    | 1.50860                 | 1.51858  | 1.52863  | 1.53872  | 1.54888   | 1.55910   | 1.56937   | 1.57970   | 1.59008   | 1.60053   | 7    |
| 8    | 1.59987                 | 1.61198  | 1.62416  | 1.63643  | 1.64878   | 1.66122   | 1.67373   | 1.68633   | 1.69901   | 1.71177   | 8    |
| 9    | 1.69666                 | 1.71111  | 1.72568  | 1.74035  | 1.75513   | 1.77003   | 1.78503   | 1.80015   | 1.81539   | 1.83074   | 9    |
| 10   | 1.79931                 | 1.81635  | 1.83353  | 1.85086  | 1.86834   | 1.88596   | 1.90374   | 1.92166   | 1.93974   | 1.95797   | 10   |
| 11   | 1.90817                 | 1.92805  | 1.94813  | 1.96839  | 1.98885   | 2.00949   | 2.03034   | 2.05138   | 2.07262   | 2.09405   | 11   |
| 12   | 2.02361                 | 2.04663  | 2.06988  | 2.09338  | 2.11713   | 2.14112   | 2.16536   | 2.18985   | 2.21459   | 2.23959   | 12   |
| 13   | 2.14604                 | 2.17250  | 2.19925  | 2.22631  | 2.25368   | 2.28136   | 2.30935   | 2.33766   | 2.36629   | 2.39524   | 13   |
| 14   | 2.27587                 | 2.30610  | 2.33671  | 2.36768  | 2.39904   | 2.43079   | 2.46292   | 2.49545   | 2.52838   | 2.56171   | 14   |
| 15   | 2.41357                 | 2.44793  | 2.48275  | 2.51803  | 2.55378   | 2.59009   | 2.62671   | 2.66390   | 2.70157   | 2.73975   | 15   |
| 16   | 2.55959                 | 2.59848  | 2.63792  | 2.67793  | 2.71850   | 2.75965   | 2.80138   | 2.84371   | 2.88663   | 2.93016   | 16   |
| 17   | 2.71444                 | 2.75828  | 2.80279  | 2.84798  | 2.89385   | 2.94041   | 2.98768   | 3.03566   | 3.08437   | 3.13381   | 17   |
| 18   | 2.87867                 | 2.92792  | 2.97797  | 3.02882  | 3.08050   | 3.13301   | 3.18636   | 3.24057   | 3.29565   | 3.35161   | 18   |
| 19   | 3.05282                 | 3.10799  | 3.16409  | 3.22115  | 3.27919   | 3.33822   | 3.39825   | 3.45931   | 3.52140   | 3.58455   | 19   |
| 20   | 3.23752                 | 3.29913  | 3.36185  | 3.42570  | 3.49070   | 3.55687   | 3.62423   | 3.69281   | 3.76261   | 3.83367   | 20   |
| 21   | 3.43339                 | 3.50202  | 3.57196  | 3.64323  | 3.71585   | 3.78985   | 3.86525   | 3.94207   | 4.02035   | 4.10011   | 21   |
| 22   | 3.64111                 | 3.71740  | 3.79521  | 3.87458  | 3.95552   | 4.03808   | 4.12229   | 4.20816   | 4.29575   | 4.38507   | 22   |
| 23   | 3.86140                 | 3.94602  | 4.03241  | 4.12061  | 4.21065   | 4.30258   | 4.39642   | 4.49222   | 4.59001   | 4.68983   | 23   |
| 24   | 4.09501                 | 4.18870  | 4.28444  | 4.38227  | 4.48224   | 4.58440   | 4.68878   | 4.79544   | 4.90442   | 5.01578   | 24   |
| 25   | 4.34276                 | 4.44630  | 4.55221  | 4.66054  | 4.77135   | 4.88467   | 5.00058   | 5.11913   | 5.24038   | 5.36437   | 25   |
| 26   | 4.60550                 | 4.71975  | 4.83673  | 4.95649  | 5.07910   | 5.20462   | 5.33312   | 5.46467   | 5.59934   | 5.73720   | 26   |
| 27   | 4.88413                 | 5.01002  | 5.13902  | 5.27123  | 5.40670   | 5.54552   | 5.68778   | 5.83354   | 5.98290   | 6.13593   | 27   |
| 28   | 5.17962                 | 5.31813  | 5.46021  | 5.60595  | 5.75534   | 5.90876   | 6.06601   | 6.22730   | 6.39273   | 6.56238   | 28   |
| 29   | 5.49299                 | 5.64520  | 5.80148  | 5.96193  | 6.12666   | 6.29578   | 6.46940   | 6.64765   | 6.83063   | 7.01847   | 29   |
| 30   | 5.82532                 | 6.09238  | 6.36407  | 6.64051  | 6.92183   | 7.20815   | 7.49962   | 7.79636   | 8.09853   | 8.40625   | 30   |
| 31   | 6.17775                 | 6.56091  | 6.94932  | 7.34313  | 7.74248   | 8.14754   | 8.55844   | 8.97537   | 9.39848   | 9.82794   | 31   |
| 32   | 6.55150                 | 7.03211  | 7.51866  | 8.01132  | 8.51027   | 9.01570   | 9.52778   | 10.04657  | 10.57216  | 11.10463  | 32   |
| 33   | 6.94787                 | 7.53536  | 8.12866  | 8.72797  | 9.33340   | 9.94504   | 10.56299  | 11.18734  | 11.81819  | 12.45604  | 33   |
| 34   | 7.36821                 | 8.06316  | 8.76466  | 9.47291  | 10.18812  | 10.91037  | 11.63976  | 12.37639  | 13.12036  | 13.87181  | 34   |
| 35   | 7.81399                 | 8.61606  | 9.42466  | 10.23991 | 11.06192  | 11.89079  | 12.72662  | 13.56951  | 14.42051  | 15.27972  | 35   |
| 36   | 8.28674                 | 9.19723  | 10.11423 | 11.03783 | 11.96814  | 12.90525  | 13.84916  | 14.79987  | 15.75828  | 16.72449  | 36   |
| 37   | 8.78809                 | 9.80996  | 10.83856 | 11.87391 | 12.91606  | 13.96501  | 15.02076  | 16.08321  | 17.15246  | 18.23361  | 37   |
| 38   | 9.31977                 | 10.45366 | 11.59926 | 12.75666 | 13.92597  | 15.10728  | 16.29959  | 17.50290  | 18.71721  | 19.94262  | 38   |
| 39   | 9.88361                 | 11.12956 | 12.38826 | 13.65871 | 14.94016  | 16.23261  | 17.53606  | 18.85051  | 20.17596  | 21.52241  | 39   |
| 40   | 10.48157                | 11.84227 | 13.21502 | 14.60007 | 15.97432  | 17.36507  | 18.77132  | 20.19307  | 21.63052  | 23.07897  | 40   |
| 41   | 11.11570                | 12.59365 | 14.08442 | 15.58827 | 17.09812  | 18.62307  | 20.16312  | 21.71827  | 23.29352  | 24.87987  | 41   |
| 42   | 11.78820                | 13.37620 | 14.97307 | 16.58412 | 18.19907  | 19.82502  | 21.46607  | 23.13512  | 24.82617  | 26.48322  | 42   |
| 43   | 12.50139                | 14.20184 | 15.91271 | 17.63506 | 19.34801  | 21.01296  | 22.72791  | 24.41286  | 26.12581  | 27.83026  | 43   |
| 44   | 13.25773                | 15.01909 | 16.84366 | 18.67601 | 20.53296  | 22.34791  | 24.12286  | 25.84781  | 27.57276  | 29.14521  | 44   |
| 45   | 14.05982                | 15.96896 | 17.93388 | 19.84665 | 21.84812  | 23.76307  | 25.68822  | 27.45312  | 29.36807  | 30.77052  | 45   |
| 46   | 14.91044                | 16.97110 | 19.13638 | 21.16397 | 23.32812  | 25.25827  | 27.36352  | 29.29377  | 31.32402  | 32.91587  | 46   |
| 47   | 15.81252                | 18.03283 | 20.36366 | 22.55101 | 24.88412  | 26.94327  | 29.16872  | 31.32402  | 33.44052  | 35.11227  | 47   |
| 48   | 16.76918                | 19.15424 | 21.64366 | 23.98412 | 26.57412  | 28.72912  | 31.12307  | 33.44052  | 35.72702  | 37.36852  | 48   |
| 49   | 17.78371                | 20.33627 | 23.00012 | 25.51912 | 28.32412  | 30.58412  | 33.12307  | 35.72702  | 38.12302  | 40.62302  | 49   |
| 50   | 18.85962                | 21.57697 | 24.44270 | 27.16012 | 30.17412  | 32.63912  | 35.12307  | 38.12302  | 40.62302  | 43.07802  | 50   |
| 51   | 20.00063                | 22.88550 | 25.45178 | 28.99998 | 32.23412  | 34.82292  | 37.66878  | 40.79444  | 43.52272  | 45.76653  | 51   |
| 52   | 21.21067                | 24.27611 | 27.39399 | 31.06683 | 34.57972  | 37.48812  | 40.42225  | 43.52272  | 46.35269  | 48.51550  | 52   |
| 53   | 22.49392                | 25.74609 | 28.95611 | 32.61283 | 37.16120  | 40.42239  | 43.33366  | 46.35269  | 49.18785  | 51.30313  | 53   |
| 54   | 23.85480                | 27.30032 | 30.60962 | 34.35588 | 39.23245  | 42.75288  | 46.35269  | 49.18785  | 52.17952  | 54.14975  | 54   |
| 55   | 25.29801                | 28.94399 | 32.45022 | 36.30028 | 41.11794  | 45.276719 | 49.18785  | 52.17952  | 55.124709 | 57.146640 | 55   |
| 56   | 26.82854                | 30.68260 | 34.39398 | 38.46272 | 43.2504   | 47.91344  | 52.17952  | 55.124709 | 58.171756 | 60.22889  | 56   |
| 57   | 28.45167                | 32.52198 | 36.63736 | 40.72232 | 45.526161 | 50.20027  | 55.124709 | 58.171756 | 61.32640  | 63.44793  | 57   |
| 58   | 30.17299                | 34.46833 | 38.89719 | 43.19464 | 48.153598 | 52.73389  | 58.171756 | 61.32640  | 62.57555  | 66.72896  | 58   |
| 59   | 31.99846                | 36.52823 | 41.37076 | 45.80172 | 50.95705  | 55.53310  | 61.32640  | 64.47149  | 65.85359  | 69.96245  | 59   |
| 60   | 33.93437                | 38.70867 | 43.99581 | 48.62013 | 53.93428  | 58.59937  | 64.47149  | 67.00584  | 69.12686  | 73.14388  | 60   |
| 61   | 35.98739                | 41.11705 | 46.87055 | 51.67597 | 57.27774  | 62.194683 | 67.00584  | 70.17564  | 72.32764  | 76.42578  | 61   |
| 62   | 38.16463                | 43.66125 | 49.89371 | 54.56991 | 60.9815   | 65.08734  | 70.17564  | 73.44676  | 75.59628  | 79.81631  | 62   |
| 63   | 40.47359                | 46.49962 | 52.97456 | 57.63525 | 64.93063  | 68.13356  | 73.44676  | 76.71752  | 78.92222  | 83.22696  | 63   |
| 64   | 42.92224                | 49.59102 | 56.32297 | 60.97293 | 69.16223  | 71.99896  | 76.71752  | 80.14889  | 82.43350  | 86.71738  | 64   |
| 65   | 45.51902                | 52.9484  | 60.04938 | 64.69362 | 73.63898  | 76.79790  | 80.14889  | 83.72004  | 86.18971  | 90.4073   | 65   |
| 66   | 48.27292                | 56.67112 | 64.16646 | 68.66666 | 78.48895  | 81.84566  | 83.72004  | 87.52115  | 90.27171  | 94.32016  | 66   |
| 67   | 51.19343                | 60.83044 | 68.6152  | 72.86024 | 83.588078 | 87.15855  | 87.52115  | 91.55133  | 94.70182  | 98.18041  | 67   |
| 68   | 54.29063                | 65.48406 | 73.71161 | 77.78837 | 88.70309  | 92.75393  | 91.55133  | 96.02104  | 99.50389  | 103.44795 | 68   |
| 69   | 57.57521                | 70.64393 | 79.56859 | 83.96593 | 94.65348  | 99.65031  | 96.02104  | 100.65321 | 105.70340 | 109.15107 | 69   |
| 70   | 61.05851                | 76.42273 | 86.66662 | 91.40876 | 102.46863 | 108.86740 | 100.65321 | 106.77230 | 112.32759 | 118.32007 | 70   |

TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED

| Year | GROWTH RATE (PERCENT) - |           |           |           |           |           |           |           |           |           | Year |
|------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|      | 7.0                     | 7.1       | 7.2       | 7.3       | 7.4       | 7.5       | 7.6       | 7.7       | 7.8       | 7.9       |      |
| 1    | 1.07049                 | 1.07149   | 1.07249   | 1.07349   | 1.07449   | 1.07549   | 1.07649   | 1.07749   | 1.07849   | 1.07949   | 1    |
| 2    | 1.14597                 | 1.14811   | 1.15025   | 1.15240   | 1.15455   | 1.15670   | 1.15885   | 1.16100   | 1.16316   | 1.16532   | 2    |
| 3    | 1.22676                 | 1.23020   | 1.23364   | 1.23710   | 1.24056   | 1.24403   | 1.24750   | 1.25098   | 1.25447   | 1.25796   | 3    |
| 4    | 1.31324                 | 1.31816   | 1.32308   | 1.32803   | 1.33298   | 1.33795   | 1.34293   | 1.34793   | 1.35294   | 1.35797   | 4    |
| 5    | 1.40583                 | 1.41241   | 1.41901   | 1.42564   | 1.43229   | 1.43897   | 1.44567   | 1.45240   | 1.45915   | 1.46592   | 5    |
| 6    | 1.50494                 | 1.51339   | 1.52189   | 1.53042   | 1.53899   | 1.54761   | 1.55626   | 1.56496   | 1.57369   | 1.58247   | 6    |
| 7    | 1.61104                 | 1.62160   | 1.63222   | 1.64291   | 1.65365   | 1.66445   | 1.67532   | 1.68624   | 1.69723   | 1.70827   | 7    |
| 8    | 1.72461                 | 1.73755   | 1.75056   | 1.76366   | 1.77685   | 1.79012   | 1.80348   | 1.81692   | 1.83046   | 1.84408   | 8    |
| 9    | 1.84620                 | 1.86178   | 1.87748   | 1.89329   | 1.90922   | 1.92527   | 1.94145   | 1.95774   | 1.97415   | 1.99069   | 9    |
| 10   | 1.97636                 | 1.99490   | 2.01359   | 2.03245   | 2.05146   | 2.07063   | 2.08997   | 2.10946   | 2.12912   | 2.14895   | 10   |
| 11   | 2.11569                 | 2.13753   | 2.15958   | 2.18183   | 2.20429   | 2.22697   | 2.24985   | 2.27295   | 2.29626   | 2.31979   | 11   |
| 12   | 2.26485                 | 2.29037   | 2.31615   | 2.34220   | 2.36851   | 2.39510   | 2.42196   | 2.44910   | 2.47651   | 2.50421   | 12   |
| 13   | 2.42452                 | 2.45413   | 2.48407   | 2.51435   | 2.54497   | 2.57593   | 2.60724   | 2.63890   | 2.67092   | 2.70329   | 13   |
| 14   | 2.59545                 | 2.62960   | 2.66417   | 2.69915   | 2.73457   | 2.77042   | 2.80670   | 2.84342   | 2.88059   | 2.91821   | 14   |
| 15   | 2.77843                 | 2.81762   | 2.85732   | 2.89754   | 2.93829   | 2.97958   | 3.02141   | 3.06378   | 3.10671   | 3.15021   | 15   |
| 16   | 2.97431                 | 3.01908   | 3.06447   | 3.11051   | 3.15720   | 3.20454   | 3.25255   | 3.30123   | 3.35059   | 3.40065   | 16   |
| 17   | 3.18400                 | 3.23494   | 3.28665   | 3.33914   | 3.39241   | 3.44648   | 3.50137   | 3.55707   | 3.61361   | 3.67100   | 17   |
| 18   | 3.40847                 | 3.46624   | 3.52493   | 3.58456   | 3.64514   | 3.70669   | 3.76922   | 3.83275   | 3.89728   | 3.96281   | 18   |
| 19   | 3.64877                 | 3.71407   | 3.78049   | 3.84803   | 3.91671   | 3.98655   | 4.05757   | 4.12979   | 4.20322   | 4.27789   | 19   |
| 20   | 3.90600                 | 3.97963   | 4.05457   | 4.13086   | 4.20850   | 4.28753   | 4.36797   | 4.44984   | 4.53317   | 4.61798   | 20   |
| 21   | 4.18138                 | 4.26417   | 4.34853   | 4.43448   | 4.52204   | 4.61124   | 4.70212   | 4.79471   | 4.88903   | 4.98511   | 21   |
| 22   | 4.47616                 | 4.56906   | 4.66380   | 4.76041   | 4.85893   | 4.95939   | 5.06184   | 5.16630   | 5.27282   | 5.38143   | 22   |
| 23   | 4.79173                 | 4.89575   | 5.00193   | 5.11030   | 5.22092   | 5.33383   | 5.44907   | 5.56669   | 5.68673   | 5.80925   | 23   |
| 24   | 5.12955                 | 5.24580   | 5.36456   | 5.48591   | 5.60988   | 5.73653   | 5.86592   | 5.99810   | 6.13314   | 6.27109   | 24   |
| 25   | 5.49118                 | 5.62087   | 5.75350   | 5.88912   | 6.02781   | 6.16964   | 6.31466   | 6.46296   | 6.61459   | 6.76964   | 25   |
| 26   | 5.87831                 | 6.02276   | 6.17062   | 6.32197   | 6.47689   | 6.63545   | 6.79774   | 6.96384   | 7.13384   | 7.30783   | 26   |
| 27   | 6.29273                 | 6.45339   | 6.61800   | 6.78664   | 6.95941   | 7.13642   | 7.31776   | 7.50353   | 7.69384   | 7.88880   | 27   |
| 28   | 6.73637                 | 6.91481   | 7.09780   | 7.28546   | 7.47789   | 7.67522   | 7.87757   | 8.08506   | 8.29781   | 8.51596   | 28   |
| 29   | 7.21129                 | 7.40922   | 7.61239   | 7.82094   | 8.03499   | 8.25470   | 8.48021   | 8.71165   | 8.94919   | 9.19298   | 29   |
| 30   | 7.71968                 | 7.93898   | 8.16429   | 8.39578   | 8.63360   | 8.87793   | 9.12894   | 9.38680   | 9.65170   | 9.92382   | 30   |
| 31   | 8.26392                 | 8.50662   | 8.75620   | 9.01287   | 9.27681   | 9.54822   | 9.82731   | 10.11428  | 10.40936  | 10.71276  | 31   |
| 32   | 8.84653                 | 9.11484   | 9.39102   | 9.67531   | 9.96793   | 10.26911  | 10.57910  | 10.89814  | 11.22649  | 11.56443  | 32   |
| 33   | 9.47021                 | 9.76655   | 10.07187  | 10.38645  | 10.71054  | 11.04443  | 11.38840  | 11.74274  | 12.10777  | 12.48380  | 33   |
| 34   | 10.13786                | 10.46486  | 10.80208  | 11.14985  | 11.50847  | 11.87828  | 12.25961  | 12.65281  | 13.05823  | 13.47626  | 34   |
| 35   | 10.85258                | 11.21310  | 11.58524  | 11.96937  | 12.36585  | 12.77509  | 13.19747  | 13.63340  | 14.08331  | 14.54762  | 35   |
| 36   | 11.61768                | 12.01483  | 12.42517  | 12.84911  | 13.28711  | 13.73961  | 14.20708  | 14.68999  | 15.18885  | 15.70416  | 36   |
| 37   | 12.43673                | 12.87389  | 13.32599  | 13.79352  | 14.27700  | 14.77695  | 15.29392  | 15.82846  | 16.38117  | 16.95264  | 37   |
| 38   | 13.31352                | 13.79438  | 14.29212  | 14.80735  | 15.34064  | 15.89261  | 16.46390  | 17.05517  | 17.66709  | 18.30037  | 38   |
| 39   | 14.25212                | 14.78067  | 15.32830  | 15.89569  | 16.48351  | 17.09250  | 17.72339  | 18.37694  | 19.05396  | 19.75525  | 39   |
| 40   | 15.25690                | 15.83749  | 16.43960  | 17.06402  | 17.71154  | 18.38299  | 19.07923  | 19.80115  | 20.54969  | 21.32580  | 40   |
| 41   | 16.33251                | 16.96987  | 17.63148  | 18.31823  | 19.03104  | 19.77090  | 20.53879  | 21.33574  | 22.16284  | 23.02120  | 41   |
| 42   | 17.48395                | 18.18322  | 18.90976  | 19.66461  | 20.44886  | 21.26361  | 22.11001  | 22.98926  | 23.90263  | 24.85138  | 42   |
| 43   | 18.71657                | 19.48332  | 20.28071  | 21.10996  | 21.97230  | 22.86901  | 23.80143  | 24.77093  | 25.77898  | 26.82707  | 43   |
| 44   | 20.03608                | 20.87638  | 21.75107  | 22.66155  | 23.60923  | 24.59562  | 25.62223  | 26.69068  | 27.80263  | 28.95982  | 44   |
| 45   | 21.44863                | 22.36904  | 23.32802  | 24.32717  | 25.36812  | 26.45259  | 27.58234  | 28.75920  | 29.98514  | 31.26212  | 45   |
| 46   | 22.96075                | 23.96842  | 25.01930  | 26.11522  | 27.25805  | 28.44976  | 29.69238  | 30.98804  | 32.33897  | 33.74746  | 46   |
| 47   | 24.57949                | 25.68217  | 26.83320  | 28.03468  | 29.28877  | 30.59772  | 31.96385  | 33.38961  | 34.87758  | 36.43038  | 47   |
| 48   | 26.31234                | 27.51844  | 28.77860  | 30.09523  | 31.47078  | 32.90784  | 34.40908  | 35.97731  | 37.61547  | 39.32660  | 48   |
| 49   | 28.16736                | 29.48601  | 30.86505  | 32.30723  | 33.81536  | 35.39239  | 37.04138  | 38.76555  | 40.56828  | 42.45306  | 49   |
| 50   | 30.15316                | 31.59426  | 33.10277  | 34.68181  | 36.33460  | 38.06451  | 39.87504  | 41.76988  | 43.75289  | 45.82808  | 50   |
| 51   | 32.27896                | 33.85325  | 35.50272  | 37.23093  | 39.04153  | 40.93838  | 42.92548  | 45.00704  | 47.18750  | 49.47141  | 51   |
| 52   | 34.55462                | 36.27375  | 38.07666  | 39.96740  | 41.95012  | 44.02923  | 46.20928  | 48.49509  | 50.89171  | 53.40439  | 52   |
| 53   | 36.99072                | 38.86733  | 40.83722  | 42.90500  | 45.07540  | 47.35343  | 49.74429  | 52.25345  | 54.88671  | 57.65003  | 53   |
| 54   | 39.59857                | 41.64634  | 43.79792  | 46.05852  | 48.43352  | 50.92862  | 53.54973  | 56.30310  | 59.19532  | 62.23321  | 54   |
| 55   | 42.39026                | 44.62405  | 46.97327  | 49.44382  | 52.04181  | 54.77373  | 57.64628  | 60.66658  | 63.84215  | 67.18075  | 55   |
| 56   | 45.37878                | 47.81467  | 50.37883  | 53.07794  | 55.91893  | 58.90914  | 62.05622  | 65.36824  | 68.85375  | 72.52162  | 56   |
| 57   | 48.57798                | 51.23342  | 54.03129  | 56.97916  | 60.08489  | 63.35678  | 66.80352  | 70.43428  | 74.25877  | 78.28708  | 57   |
| 58   | 52.00272                | 54.89661  | 57.94856  | 61.16713  | 64.56121  | 68.14022  | 71.91399  | 75.89294  | 80.08808  | 84.51090  | 58   |
| 59   | 55.66892                | 58.82171  | 62.14983  | 65.66291  | 69.37102  | 73.28481  | 77.41541  | 81.77463  | 86.37499  | 91.22952  | 59   |
| 60   | 59.59357                | 63.02746  | 66.65569  | 70.48914  | 74.53916  | 78.81781  | 83.33769  | 88.11217  | 93.15543  | 98.48226  | 60   |
| 61   | 63.79492                | 67.53392  | 71.48822  | 75.67009  | 80.09232  | 84.76855  | 89.71302  | 94.94086  | 100.46813 | 106.31160 | 61   |
| 62   | 68.29246                | 72.36260  | 76.67112  | 81.23184  | 86.05920  | 91.16858  | 96.57606  | 102.29877 | 108.35487 | 114.76337 | 62   |
| 63   | 73.10708                | 77.53652  | 82.22977  | 87.20238  | 92.47061  | 98.05180  | 103.96413 | 110.22692 | 116.86073 | 123.88705 | 63   |
| 64   | 78.26112                | 83.08038  | 88.19143  | 93.61175  | 99.35966  | 105.45471 | 111.91739 | 118.76951 | 126.03429 | 133.73607 | 64   |
| 65   | 83.77854                | 89.02060  | 94.58535  | 100.49221 | 106.76195 | 113.41650 | 120.47906 | 127.97417 | 135.92797 | 144.36807 | 65   |
| 66   | 89.68492                | 95.38557  | 101.44278 | 107.87839 | 114.71572 | 121.97945 | 129.69571 | 137.89216 | 146.59832 | 155.84534 | 66   |
| 67   | 96.00770                | 102.20563 | 108.79738 | 115.80744 | 123.26204 | 131.18888 | 139.61743 | 148.57879 | 158.10627 | 168.23503 | 67   |
| 68   | 102.77625               | 109.51334 | 116.68519 | 124.31929 | 132.44505 | 141.09365 | 150.29816 | 160.09364 | 170.51762 | 181.60973 | 68   |
| 69   | 110.02197               | 117.34354 | 125.14486 | 133.45674 | 142.31220 | 151.74621 | 161.79596 | 172.50089 | 183.90325 | 196.04769 | 69   |
| 70   | 117.77852               | 125.73360 | 134.21786 | 143.26581 | 152.91446 | 163.20305 | 174.17335 | 185.86972 | 198.33963 | 211.63347 | 70   |

**TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED**

| Year | GROWTH RATE (PERCENT) - |           |           |           |           |           |           |           |           |           | Year |
|------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|      | 8.0                     | 8.1       | 8.2       | 8.3       | 8.4       | 8.5       | 8.6       | 8.7       | 8.8       | 8.9       |      |
| 1    | 1.08049                 | 1.08149   | 1.08249   | 1.08349   | 1.08449   | 1.08549   | 1.08649   | 1.08749   | 1.08849   | 1.08949   | 1    |
| 2    | 1.16748                 | 1.16964   | 1.17180   | 1.17397   | 1.17614   | 1.17831   | 1.18048   | 1.18265   | 1.18483   | 1.18701   | 2    |
| 3    | 1.26146                 | 1.26496   | 1.26848   | 1.27199   | 1.27552   | 1.27905   | 1.28259   | 1.28613   | 1.28968   | 1.29324   | 3    |
| 4    | 1.36300                 | 1.36806   | 1.37312   | 1.37821   | 1.38330   | 1.38841   | 1.39353   | 1.39867   | 1.40382   | 1.40899   | 4    |
| 5    | 1.47273                 | 1.47955   | 1.48641   | 1.49329   | 1.50019   | 1.50712   | 1.51407   | 1.52105   | 1.52806   | 1.53509   | 5    |
| 6    | 1.59128                 | 1.60014   | 1.60904   | 1.61798   | 1.62696   | 1.63598   | 1.64504   | 1.65415   | 1.66329   | 1.67248   | 6    |
| 7    | 1.71938                 | 1.73055   | 1.74178   | 1.75308   | 1.76443   | 1.77585   | 1.78734   | 1.79889   | 1.81050   | 1.82217   | 7    |
| 8    | 1.85779                 | 1.87159   | 1.88548   | 1.89946   | 1.91353   | 1.92769   | 1.94194   | 1.95629   | 1.97073   | 1.98526   | 8    |
| 9    | 2.00734                 | 2.02413   | 2.04103   | 2.05806   | 2.07522   | 2.09251   | 2.10992   | 2.12746   | 2.14514   | 2.16294   | 9    |
| 10   | 2.16894                 | 2.18909   | 2.20942   | 2.22991   | 2.25058   | 2.27142   | 2.29243   | 2.31362   | 2.33498   | 2.35652   | 10   |
| 11   | 2.34353                 | 2.36750   | 2.39170   | 2.41611   | 2.44075   | 2.46563   | 2.49073   | 2.51606   | 2.54163   | 2.56743   | 11   |
| 12   | 2.53219                 | 2.56046   | 2.58901   | 2.61786   | 2.64700   | 2.67644   | 2.70617   | 2.73621   | 2.76656   | 2.79722   | 12   |
| 13   | 2.73603                 | 2.76913   | 2.80260   | 2.83645   | 2.87067   | 2.90527   | 2.94026   | 2.97563   | 3.01140   | 3.04757   | 13   |
| 14   | 2.95628                 | 2.99482   | 3.03382   | 3.07329   | 3.11324   | 3.15367   | 3.19459   | 3.23600   | 3.27791   | 3.32032   | 14   |
| 15   | 3.19426                 | 3.23890   | 3.28411   | 3.32991   | 3.37631   | 3.42331   | 3.47092   | 3.51915   | 3.56801   | 3.61749   | 15   |
| 16   | 3.45140                 | 3.50287   | 3.55505   | 3.60796   | 3.66161   | 3.71601   | 3.77116   | 3.82708   | 3.88378   | 3.94126   | 16   |
| 17   | 3.72924                 | 3.78835   | 3.84834   | 3.90923   | 3.97102   | 4.03373   | 4.09736   | 4.16195   | 4.22749   | 4.29400   | 17   |
| 18   | 4.02944                 | 4.09710   | 4.16583   | 4.23565   | 4.30657   | 4.37861   | 4.45179   | 4.52612   | 4.60162   | 4.67832   | 18   |
| 19   | 4.35381                 | 4.43102   | 4.50951   | 4.58932   | 4.67047   | 4.75298   | 4.83687   | 4.92215   | 5.00887   | 5.09702   | 19   |
| 20   | 4.70430                 | 4.79214   | 4.88155   | 4.97253   | 5.06513   | 5.15936   | 5.25526   | 5.35284   | 5.45215   | 5.55321   | 20   |
| 21   | 5.08299                 | 5.18270   | 5.28427   | 5.38774   | 5.49313   | 5.60049   | 5.70984   | 5.82122   | 5.93467   | 6.05022   | 21   |
| 22   | 5.49217                 | 5.60509   | 5.72023   | 5.83761   | 5.95730   | 6.07933   | 6.20374   | 6.33057   | 6.45989   | 6.59172   | 22   |
| 23   | 5.93429                 | 6.06191   | 6.19214   | 6.32506   | 6.46069   | 6.59911   | 6.74036   | 6.88450   | 7.03159   | 7.18167   | 23   |
| 24   | 6.41201                 | 6.55595   | 6.70300   | 6.85320   | 7.00662   | 7.16334   | 7.32340   | 7.48689   | 7.65388   | 7.82444   | 24   |
| 25   | 6.92817                 | 7.09027   | 7.25599   | 7.42544   | 7.59868   | 7.77580   | 7.95688   | 8.14200   | 8.33125   | 8.52472   | 25   |
| 26   | 7.48589                 | 7.66812   | 7.85461   | 8.04546   | 8.24077   | 8.44063   | 8.64515   | 8.85442   | 9.06856   | 9.28768   | 26   |
| 27   | 8.08850                 | 8.29307   | 8.50262   | 8.71726   | 8.93712   | 9.16231   | 9.39295   | 9.62918   | 9.87113   | 10.11893  | 27   |
| 28   | 8.73963                 | 8.96896   | 9.20409   | 9.44515   | 9.69220   | 9.94568   | 10.20544  | 10.47174  | 10.74473  | 11.02458  | 28   |
| 29   | 9.44317                 | 9.69993   | 9.96342   | 10.23382  | 10.51130  | 10.79604  | 11.08821  | 11.38801  | 11.69564  | 12.01128  | 29   |
| 30   | 10.20334                | 10.49948  | 10.78541  | 11.08835  | 11.39951  | 11.71910  | 12.04734  | 12.38446  | 12.73070  | 13.08629  | 30   |
| 31   | 11.02471                | 11.34545  | 11.67520  | 12.01422  | 12.36276  | 12.72108  | 13.08944  | 13.46811  | 13.85737  | 14.25751  | 31   |
| 32   | 11.91220                | 12.27010  | 12.63841  | 13.01741  | 13.40724  | 13.80874  | 14.22168  | 14.64656  | 15.08374  | 15.53356  | 32   |
| 33   | 12.87114                | 13.27012  | 13.68107  | 14.10437  | 14.54034  | 14.98938  | 15.45185  | 15.92814  | 16.41866  | 16.92381  | 33   |
| 34   | 13.90726                | 14.35163  | 14.80976  | 15.28208  | 15.76900  | 16.27098  | 16.78844  | 17.32185  | 17.87171  | 18.43849  | 34   |
| 35   | 15.02680                | 15.52129  | 16.03157  | 16.55813  | 17.10148  | 17.66214  | 18.24064  | 18.83751  | 19.45335  | 20.08873  | 35   |
| 36   | 16.23645                | 16.78627  | 17.35417  | 17.94074  | 18.54656  | 19.17226  | 19.81845  | 20.48579  | 21.17497  | 21.88668  | 36   |
| 37   | 17.54349                | 18.15436  | 18.78589  | 19.43879  | 20.11374  | 20.81148  | 21.53275  | 22.27830  | 23.04896  | 23.84553  | 37   |
| 38   | 18.95574                | 19.63393  | 20.33573  | 21.06193  | 21.81335  | 22.59087  | 23.39533  | 24.22765  | 25.08879  | 25.97971  | 38   |
| 39   | 20.48167                | 21.23340  | 22.01342  | 22.82060  | 23.65658  | 24.52238  | 25.41902  | 26.34757  | 27.30915  | 28.30489  | 39   |
| 40   | 22.13045                | 22.96468  | 23.82953  | 24.72612  | 25.65556  | 26.61905  | 27.61777  | 28.65298  | 29.72601  | 30.83818  | 40   |
| 41   | 23.91195                | 24.83630  | 25.79547  | 26.79075  | 27.82346  | 28.89498  | 30.00670  | 31.16012  | 32.35676  | 33.59819  | 41   |
| 42   | 25.83686                | 26.86046  | 27.92359  | 29.02778  | 30.17454  | 31.36550  | 32.60228  | 33.88663  | 35.22033  | 36.60523  | 42   |
| 43   | 27.91673                | 29.04959  | 30.22729  | 31.45159  | 32.72429  | 34.04725  | 35.42238  | 36.85170  | 38.33733  | 39.88140  | 43   |
| 44   | 30.16402                | 31.47173  | 32.82104  | 34.21778  | 35.66330  | 37.15898  | 38.70642  | 40.30762  | 41.96118  | 43.72018  | 44   |
| 45   | 32.59223                | 33.97762  | 35.42052  | 36.92330  | 38.48835  | 40.11822  | 41.81549  | 43.58290  | 45.42330  | 47.33963  | 45   |
| 46   | 35.21590                | 36.74680  | 38.34272  | 40.00639  | 41.74061  | 43.54832  | 45.43253  | 47.39640  | 49.44326  | 51.57652  | 46   |
| 47   | 38.05078                | 39.74166  | 41.50599  | 43.34692  | 45.26769  | 47.27170  | 49.36244  | 51.54358  | 53.81898  | 56.19262  | 47   |
| 48   | 41.11387                | 42.98061  | 44.93023  | 46.96639  | 49.09281  | 51.31343  | 53.63229  | 56.05364  | 58.58196  | 61.22186  | 48   |
| 49   | 44.42353                | 46.48352  | 48.63697  | 50.88808  | 53.24115  | 55.70073  | 58.27148  | 60.95833  | 63.76646  | 66.70121  | 49   |
| 50   | 47.99963                | 50.27193  | 52.64952  | 55.13724  | 57.74003  | 60.46314  | 63.31196  | 66.29219  | 69.40979  | 72.67097  | 50   |
| 51   | 51.86359                | 54.36909  | 56.99311  | 59.74120  | 62.61906  | 65.63274  | 68.78845  | 72.09275  | 75.55256  | 79.17502  | 51   |
| 52   | 56.03861                | 58.80017  | 61.69504  | 64.72958  | 67.91037  | 71.24434  | 74.73865  | 78.40086  | 82.23896  | 86.26118  | 52   |
| 53   | 60.54972                | 63.59238  | 66.78487  | 70.13450  | 73.64879  | 77.33573  | 81.20354  | 85.26093  | 89.51710  | 93.98155  | 53   |
| 54   | 65.42397                | 68.77516  | 72.29462  | 75.99073  | 79.87211  | 83.94793  | 88.22764  | 92.72126  | 97.43936  | 102.39289 | 54   |
| 55   | 70.69060                | 74.38034  | 78.25893  | 82.33595  | 86.62131  | 91.12548  | 95.85933  | 100.83437 | 106.06274 | 111.55706 | 55   |
| 56   | 76.38119                | 80.44233  | 84.71529  | 89.21100  | 93.94080  | 98.91670  | 104.15116 | 109.65737 | 115.44929 | 121.54141 | 56   |
| 57   | 82.52987                | 86.99838  | 91.70430  | 96.66012  | 101.87880 | 107.37408 | 113.16023 | 119.25239 | 125.66654 | 132.41936 | 57   |
| 58   | 89.17353                | 94.08875  | 99.26990  | 104.73124 | 110.48755 | 116.55456 | 122.94858 | 129.68697 | 136.78803 | 144.27089 | 58   |
| 59   | 96.35199                | 101.75698 | 107.45966 | 113.47629 | 119.82375 | 126.51997 | 133.58363 | 141.03457 | 148.89376 | 157.18313 | 59   |
| 60   | 104.10832               | 110.05017 | 116.32508 | 122.95156 | 129.94885 | 137.33742 | 145.13861 | 153.37509 | 162.07085 | 171.25101 | 60   |
| 61   | 112.48904               | 119.01925 | 125.92189 | 133.21801 | 140.92952 | 149.07976 | 157.69310 | 166.79540 | 176.41412 | 186.57797 | 61   |
| 62   | 121.54441               | 128.71931 | 136.31044 | 144.34171 | 152.83806 | 161.82609 | 171.33354 | 181.38999 | 192.02676 | 203.27669 | 62   |
| 63   | 131.32872               | 139.20993 | 147.55604 | 156.39423 | 165.75287 | 175.66220 | 186.15389 | 197.26160 | 209.02111 | 221.46995 | 63   |
| 64   | 141.90067               | 150.55554 | 159.72941 | 169.45314 | 179.75897 | 190.68132 | 202.25620 | 214.52200 | 227.51947 | 241.29149 | 64   |
| 65   | 153.32372               | 162.82584 | 172.90705 | 183.60247 | 194.94870 | 206.98458 | 219.75140 | 233.29270 | 247.65499 | 262.88708 | 65   |
| 66   | 165.66627               | 176.09615 | 187.17188 | 198.93327 | 211.42185 | 224.68176 | 238.75989 | 253.70580 | 269.57244 | 286.41547 | 66   |
| 67   | 179.00242               | 190.44798 | 202.61353 | 215.54419 | 229.28701 | 243.89204 | 259.41262 | 275.90504 | 293.42958 | 312.04963 | 67   |
| 68   | 193.41210               | 205.96948 | 219.32916 | 233.54211 | 248.66175 | 264.74480 | 281.85180 | 300.04673 | 319.39810 | 339.97808 | 68   |
| 69   | 208.98177               | 222.75598 | 237.42381 | 253.04287 | 269.67365 | 287.38047 | 306.23198 | 326.30079 | 347.66480 | 370.40608 | 69   |
| 70   | 225.80480               | 240.91059 | 257.01125 | 274.17193 | 292.46107 | 311.95149 | 332.72104 | 354.85210 | 378.43315 | 403.55743 | 70   |

TABLE A1. GROWTH RATE CONVERSION TABLE - CONTINUED

| Year | GROWTH RATE (PERCENT) - |           |           |           |           |           |           |           |           |           | Year |
|------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
|      | 9.0                     | 9.1       | 9.2       | 9.3       | 9.4       | 9.5       | 9.6       | 9.7       | 9.8       | 9.9       |      |
| 1    | 1.09049                 | 1.09149   | 1.09249   | 1.09349   | 1.09449   | 1.09549   | 1.09649   | 1.09749   | 1.09849   | 1.09949   | 1    |
| 2    | 1.18919                 | 1.19137   | 1.19355   | 1.19574   | 1.19793   | 1.20012   | 1.20231   | 1.20450   | 1.20670   | 1.20890   | 2    |
| 3    | 1.29681                 | 1.30038   | 1.30396   | 1.30754   | 1.31113   | 1.31473   | 1.31833   | 1.32194   | 1.32556   | 1.32918   | 3    |
| 4    | 1.41417                 | 1.41936   | 1.42457   | 1.42979   | 1.43503   | 1.44028   | 1.44555   | 1.45083   | 1.45613   | 1.46143   | 4    |
| 5    | 1.54215                 | 1.54923   | 1.55634   | 1.56348   | 1.57064   | 1.57783   | 1.58505   | 1.59229   | 1.59955   | 1.60685   | 5    |
| 6    | 1.68172                 | 1.69099   | 1.70031   | 1.70967   | 1.71907   | 1.72851   | 1.73800   | 1.74753   | 1.75711   | 1.76673   | 6    |
| 7    | 1.83391                 | 1.84572   | 1.85759   | 1.86952   | 1.88152   | 1.89359   | 1.90572   | 1.91792   | 1.93019   | 1.94252   | 7    |
| 8    | 1.99988                 | 2.01460   | 2.02941   | 2.04432   | 2.05933   | 2.07443   | 2.08962   | 2.10492   | 2.12031   | 2.13580   | 8    |
| 9    | 2.18087                 | 2.19894   | 2.21713   | 2.23547   | 2.25393   | 2.27253   | 2.29127   | 2.31015   | 2.32916   | 2.34831   | 9    |
| 10   | 2.37824                 | 2.40014   | 2.42222   | 2.44448   | 2.46693   | 2.48956   | 2.51238   | 2.53539   | 2.55858   | 2.58197   | 10   |
| 11   | 2.59347                 | 2.61975   | 2.64627   | 2.67304   | 2.70005   | 2.72731   | 2.75483   | 2.78259   | 2.81060   | 2.83888   | 11   |
| 12   | 2.82818                 | 2.85946   | 2.89106   | 2.92297   | 2.95521   | 2.98777   | 3.02067   | 3.05389   | 3.08745   | 3.12135   | 12   |
| 13   | 3.08413                 | 3.12110   | 3.15848   | 3.19627   | 3.23448   | 3.27311   | 3.31216   | 3.35164   | 3.39156   | 3.43192   | 13   |
| 14   | 3.36325                 | 3.40668   | 3.45064   | 3.49512   | 3.54014   | 3.58569   | 3.63178   | 3.67843   | 3.72563   | 3.77340   | 14   |
| 15   | 3.66762                 | 3.71839   | 3.76982   | 3.82191   | 3.87468   | 3.92812   | 3.98225   | 4.03708   | 4.09261   | 4.14885   | 15   |
| 16   | 3.99954                 | 4.05863   | 4.11853   | 4.17926   | 4.24084   | 4.30326   | 4.36654   | 4.43069   | 4.49573   | 4.56166   | 16   |
| 17   | 4.36150                 | 4.42999   | 4.49949   | 4.57002   | 4.64160   | 4.71422   | 4.78791   | 4.86269   | 4.93856   | 5.01555   | 17   |
| 18   | 4.75621                 | 4.83534   | 4.91570   | 4.99732   | 5.08023   | 5.16443   | 5.24995   | 5.33680   | 5.42501   | 5.51459   | 18   |
| 19   | 5.18665                 | 5.27777   | 5.37040   | 5.46457   | 5.56031   | 5.65763   | 5.75657   | 5.85714   | 5.95937   | 6.06329   | 19   |
| 20   | 5.65604                 | 5.76068   | 5.86716   | 5.97551   | 6.08576   | 6.19793   | 6.31207   | 6.42821   | 6.54637   | 6.66659   | 20   |
| 21   | 6.16791                 | 6.28779   | 6.40988   | 6.53422   | 6.66086   | 6.78984   | 6.92119   | 7.05496   | 7.19119   | 7.32992   | 21   |
| 22   | 6.72611                 | 6.86312   | 7.00279   | 7.14517   | 7.29031   | 7.43827   | 7.58908   | 7.74282   | 7.89952   | 8.05925   | 22   |
| 23   | 7.33482                 | 7.49110   | 7.65055   | 7.81324   | 7.97925   | 8.14862   | 8.32143   | 8.49774   | 8.67762   | 8.86114   | 23   |
| 24   | 7.99863                 | 8.17653   | 8.35822   | 8.54378   | 8.73329   | 8.92681   | 9.12445   | 9.32627   | 9.53237   | 9.74282   | 24   |
| 25   | 8.72250                 | 8.92468   | 9.13136   | 9.34263   | 9.55858   | 9.77933   | 10.00496  | 10.23558  | 10.47131  | 10.71224  | 25   |
| 26   | 9.51189                 | 9.74129   | 9.97601   | 10.21616  | 10.46187  | 10.71325  | 10.97044  | 11.23355  | 11.50273  | 11.77810  | 26   |
| 27   | 10.37272                | 10.63262  | 10.89879  | 11.17137  | 11.45051  | 11.73637  | 12.02908  | 12.32882  | 12.63575  | 12.95002  | 27   |
| 28   | 11.31145                | 11.60551  | 11.90693  | 12.21590  | 12.53259  | 12.85719  | 13.18989  | 13.53088  | 13.88037  | 14.23855  | 28   |
| 29   | 12.33513                | 12.66741  | 13.00832  | 13.35808  | 13.71692  | 14.08505  | 14.46272  | 14.85014  | 15.24758  | 15.65529  | 29   |
| 30   | 13.45146                | 13.82648  | 14.21159  | 14.60706  | 15.01317  | 15.43017  | 15.85837  | 16.29803  | 16.74947  | 17.21299  | 30   |
| 31   | 14.66882                | 15.09160  | 15.52616  | 15.97282  | 16.43191  | 16.90376  | 17.38870  | 17.88709  | 18.39929  | 18.92568  | 31   |
| 32   | 15.99635                | 16.47248  | 16.96233  | 17.46628  | 17.98473  | 18.51806  | 19.06671  | 19.63108  | 20.21162  | 20.80878  | 32   |
| 33   | 17.44402                | 17.97971  | 18.53134  | 19.09938  | 19.68428  | 20.28654  | 20.90665  | 21.54511  | 22.20247  | 22.87926  | 33   |
| 34   | 19.02270                | 19.62486  | 20.24549  | 20.88517  | 21.54445  | 22.22390  | 22.92414  | 23.64576  | 24.38941  | 25.15574  | 34   |
| 35   | 20.74425                | 21.42053  | 22.11820  | 22.83793  | 23.58040  | 24.34628  | 25.13632  | 25.95122  | 26.79177  | 27.65874  | 35   |
| 36   | 22.62161                | 23.38051  | 24.16413  | 24.97328  | 25.80874  | 26.67135  | 27.56197  | 28.48146  | 29.43075  | 30.41078  | 36   |
| 37   | 24.66886                | 25.51983  | 26.39931  | 27.30828  | 28.24767  | 29.21847  | 30.22170  | 31.25840  | 32.32968  | 33.43665  | 37   |
| 38   | 26.90139                | 27.85489  | 28.84125  | 29.86160  | 30.91707  | 32.00883  | 33.13809  | 34.30609  | 35.51416  | 36.76360  | 38   |
| 39   | 29.33597                | 30.40361  | 31.50906  | 32.65366  | 33.83873  | 35.06567  | 36.33592  | 37.65094  | 39.01230  | 40.42157  | 39   |
| 40   | 31.99087                | 33.18554  | 34.42365  | 35.70678  | 37.03649  | 38.41444  | 39.84233  | 41.32190  | 42.85501  | 44.44352  | 40   |
| 41   | 34.88605                | 36.22202  | 37.60784  | 39.04536  | 40.53644  | 42.08302  | 43.68712  | 45.35079  | 47.07622  | 48.86565  | 41   |
| 42   | 38.04323                | 39.53633  | 41.08656  | 42.69610  | 44.36713  | 46.10195  | 47.90292  | 49.77249  | 51.71323  | 53.72778  | 42   |
| 43   | 41.48614                | 43.15390  | 44.88707  | 46.68818  | 48.55983  | 50.50469  | 52.52556  | 54.62530  | 56.80698  | 59.07369  | 43   |
| 44   | 45.24064                | 47.10248  | 49.03912  | 51.05352  | 53.14873  | 55.32788  | 57.59427  | 59.95127  | 62.40247  | 64.95152  | 44   |
| 45   | 49.33491                | 51.41236  | 53.57524  | 55.82703  | 58.17128  | 60.61169  | 63.15212  | 65.79651  | 68.54911  | 71.41419  | 45   |
| 46   | 53.79972                | 56.11659  | 58.53094  | 61.04685  | 63.66847  | 66.40011  | 69.24629  | 72.21167  | 75.30119  | 78.51990  | 46   |
| 47   | 58.66860                | 61.25126  | 63.94505  | 66.75473  | 69.68513  | 72.74131  | 75.92856  | 79.25230  | 82.71835  | 86.33262  | 47   |
| 48   | 63.97810                | 66.85574  | 69.85997  | 72.99629  | 76.27038  | 79.68811  | 83.25566  | 86.97940  | 90.86611  | 94.92272  | 48   |
| 49   | 69.76812                | 72.97304  | 76.32201  | 79.82144  | 83.47792  | 87.29832  | 91.28983  | 95.45989  | 99.81642  | 104.36752 | 49   |
| 50   | 76.08213                | 79.65007  | 83.38179  | 87.28474  | 91.36658  | 95.63530  | 100.09930 | 104.76722 | 109.64833 | 114.75208 | 50   |
| 51   | 82.96756                | 86.93805  | 91.09460  | 95.44586  | 100.00072 | 104.76647 | 109.75887 | 114.98202 | 120.44868 | 126.16991 | 51   |
| 52   | 90.47612                | 94.89288  | 99.52085  | 104.37005 | 109.45079 | 114.77386 | 120.35060 | 126.19276 | 132.31286 | 138.72381 | 52   |
| 53   | 98.66421                | 103.57558 | 108.72653 | 114.12864 | 119.79388 | 125.73476 | 131.96443 | 138.49655 | 145.34567 | 152.52682 | 53   |
| 54   | 107.59331               | 113.05274 | 118.78372 | 124.79966 | 131.11439 | 137.74242 | 144.69898 | 151.99996 | 159.66222 | 167.70323 | 54   |
| 55   | 117.33051               | 123.39706 | 129.77120 | 136.46843 | 143.50469 | 150.89682 | 158.66244 | 166.81994 | 175.38895 | 184.38970 | 55   |
| 56   | 127.94891               | 134.68788 | 141.77503 | 149.22822 | 157.06588 | 165.30745 | 173.97335 | 183.08488 | 192.66474 | 202.73646 | 56   |
| 57   | 139.52827               | 147.01182 | 154.88923 | 163.18104 | 171.90861 | 181.09432 | 190.76177 | 200.93565 | 211.64221 | 222.90873 | 57   |
| 58   | 152.15559               | 160.46340 | 169.21647 | 178.43846 | 188.15397 | 198.38881 | 209.17029 | 220.52687 | 232.48897 | 245.08814 | 58   |
| 59   | 165.92566               | 175.14578 | 184.86898 | 195.12246 | 205.93451 | 217.33493 | 229.35522 | 242.02823 | 255.38912 | 269.47439 | 59   |
| 60   | 180.94192               | 191.17162 | 201.96936 | 213.36640 | 225.39531 | 238.09042 | 251.48799 | 265.62597 | 280.54494 | 296.28707 | 60   |
| 61   | 197.31717               | 208.66381 | 220.65151 | 233.31615 | 246.69515 | 260.82803 | 275.75657 | 291.52448 | 308.17860 | 325.76763 | 61   |
| 62   | 215.17435               | 227.75656 | 241.06178 | 255.13119 | 270.00784 | 285.73710 | 302.36707 | 319.94811 | 338.53417 | 358.18148 | 62   |
| 63   | 234.64762               | 248.59627 | 263.35997 | 278.98595 | 295.52358 | 313.02498 | 331.54548 | 351.14304 | 371.87976 | 393.82053 | 63   |
| 64   | 255.88322               | 271.34281 | 287.72075 | 305.07112 | 323.45054 | 342.91886 | 363.53961 | 385.37946 | 408.50990 | 433.00565 | 64   |
| 65   | 279.04075               | 296.17080 | 314.33495 | 333.59536 | 354.01653 | 375.66759 | 398.62116 | 422.95390 | 448.74804 | 476.08988 | 65   |
| 66   | 304.29392               | 323.27043 | 343.41092 | 364.78651 | 387.47106 | 411.54384 | 437.08811 | 464.19188 | 492.94969 | 523.46079 | 66   |
| 67   | 331.83252               | 352.84968 | 375.17643 | 398.89403 | 424.08706 | 450.84626 | 479.26710 | 509.45055 | 541.50520 | 575.54511 | 67   |
| 68   | 361.86335               | 385.13540 | 409.88024 | 436.19061 | 464.16330 | 493.90206 | 525.51636 | 559.12196 | 594.84344 | 632.81184 | 68   |
| 69   | 394.61197               | 420.37527 | 447.79414 | 476.97442 | 508.02670 | 541.06969 | 576.22864 | 613.63633 | 653.43549 | 695.77659 | 69   |
| 70   | 430.32435               | 458.83960 | 489.21508 | 521.57149 | 556.03518 | 592.74181 | 631.83469 | 673.46583 | 717.79886 | 765.00632 | 70   |



**TABLE A2. COMPOUND INTEREST RATE TABLE**

(Amount of 1 at compound interest)

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 0.0                     | 0.1     | 0.2     | 0.3     | 0.4     | 0.5     | 0.6     | 0.7     | 0.8     | 0.9     |      |
| 1    | 1.00000                 | 1.00100 | 1.00200 | 1.00300 | 1.00400 | 1.00500 | 1.00600 | 1.00700 | 1.00800 | 1.00900 | 1    |
| 2    | 1.00000                 | 1.00200 | 1.00400 | 1.00601 | 1.00802 | 1.01002 | 1.01204 | 1.01405 | 1.01606 | 1.01808 | 2    |
| 3    | 1.00000                 | 1.00300 | 1.00601 | 1.00903 | 1.01205 | 1.01508 | 1.01811 | 1.02115 | 1.02419 | 1.02724 | 3    |
| 4    | 1.00000                 | 1.00401 | 1.00802 | 1.01205 | 1.01610 | 1.02015 | 1.02422 | 1.02830 | 1.03239 | 1.03649 | 4    |
| 5    | 1.00000                 | 1.00501 | 1.01004 | 1.01509 | 1.02016 | 1.02525 | 1.03036 | 1.03549 | 1.04065 | 1.04582 | 5    |
| 6    | 1.00000                 | 1.00601 | 1.01206 | 1.01814 | 1.02424 | 1.03038 | 1.03654 | 1.04274 | 1.04897 | 1.05523 | 6    |
| 7    | 1.00000                 | 1.00702 | 1.01408 | 1.02119 | 1.02834 | 1.03553 | 1.04276 | 1.05004 | 1.05736 | 1.06473 | 7    |
| 8    | 1.00000                 | 1.00803 | 1.01611 | 1.02425 | 1.03245 | 1.04071 | 1.04902 | 1.05739 | 1.06582 | 1.07431 | 8    |
| 9    | 1.00000                 | 1.00904 | 1.01814 | 1.02733 | 1.03658 | 1.04591 | 1.05531 | 1.06479 | 1.07435 | 1.08398 | 9    |
| 10   | 1.00000                 | 1.01004 | 1.02018 | 1.03041 | 1.04073 | 1.05114 | 1.06165 | 1.07225 | 1.08294 | 1.09373 | 10   |
| 11   | 1.00000                 | 1.01105 | 1.02222 | 1.03350 | 1.04489 | 1.05640 | 1.06802 | 1.07975 | 1.09161 | 1.10358 | 11   |
| 12   | 1.00000                 | 1.01207 | 1.02427 | 1.03660 | 1.04907 | 1.06168 | 1.07442 | 1.08731 | 1.10034 | 1.11351 | 12   |
| 13   | 1.00000                 | 1.01308 | 1.02631 | 1.03971 | 1.05327 | 1.06699 | 1.08087 | 1.09492 | 1.10914 | 1.12353 | 13   |
| 14   | 1.00000                 | 1.01409 | 1.02837 | 1.04283 | 1.05748 | 1.07232 | 1.08736 | 1.10259 | 1.11801 | 1.13364 | 14   |
| 15   | 1.00000                 | 1.01511 | 1.03042 | 1.04596 | 1.06171 | 1.07768 | 1.09388 | 1.11030 | 1.12696 | 1.14385 | 15   |
| 16   | 1.00000                 | 1.01612 | 1.03248 | 1.04909 | 1.06596 | 1.08307 | 1.10044 | 1.11808 | 1.13597 | 1.15414 | 16   |
| 17   | 1.00000                 | 1.01714 | 1.03455 | 1.05224 | 1.07022 | 1.08849 | 1.10705 | 1.12590 | 1.14506 | 1.16453 | 17   |
| 18   | 1.00000                 | 1.01815 | 1.03662 | 1.05540 | 1.07450 | 1.09393 | 1.11369 | 1.13378 | 1.15422 | 1.17501 | 18   |
| 19   | 1.00000                 | 1.01917 | 1.03869 | 1.05857 | 1.07880 | 1.09940 | 1.12037 | 1.14172 | 1.16346 | 1.18558 | 19   |
| 20   | 1.00000                 | 1.02019 | 1.04077 | 1.06174 | 1.08311 | 1.10490 | 1.12709 | 1.14971 | 1.17276 | 1.19625 | 20   |
|      |                         |         |         |         |         |         |         |         |         |         |      |
|      | 1.0                     | 1.1     | 1.2     | 1.3     | 1.4     | 1.5     | 1.6     | 1.7     | 1.8     | 1.9     |      |
| 1    | 1.01000                 | 1.01100 | 1.01200 | 1.01300 | 1.01400 | 1.01500 | 1.01600 | 1.01700 | 1.01800 | 1.01900 | 1    |
| 2    | 1.02010                 | 1.02212 | 1.02414 | 1.02617 | 1.02820 | 1.03022 | 1.03226 | 1.03429 | 1.03632 | 1.03836 | 2    |
| 3    | 1.03030                 | 1.03336 | 1.03643 | 1.03951 | 1.04259 | 1.04568 | 1.04877 | 1.05187 | 1.05498 | 1.05809 | 3    |
| 4    | 1.04060                 | 1.04473 | 1.04887 | 1.05302 | 1.05719 | 1.06136 | 1.06555 | 1.06975 | 1.07397 | 1.07819 | 4    |
| 5    | 1.05101                 | 1.05622 | 1.06146 | 1.06671 | 1.07199 | 1.07728 | 1.08260 | 1.08794 | 1.09330 | 1.09868 | 5    |
| 6    | 1.06152                 | 1.06784 | 1.07419 | 1.08058 | 1.08700 | 1.09344 | 1.09992 | 1.10643 | 1.11298 | 1.11955 | 6    |
| 7    | 1.07214                 | 1.07959 | 1.08709 | 1.09463 | 1.10221 | 1.10984 | 1.11752 | 1.12524 | 1.13301 | 1.14083 | 7    |
| 8    | 1.08286                 | 1.09146 | 1.10013 | 1.10886 | 1.11764 | 1.12649 | 1.13540 | 1.14437 | 1.15341 | 1.16250 | 8    |
| 9    | 1.09369                 | 1.10347 | 1.11333 | 1.12327 | 1.13329 | 1.14339 | 1.15357 | 1.16383 | 1.17417 | 1.18459 | 9    |
| 10   | 1.10462                 | 1.11561 | 1.12669 | 1.13787 | 1.14916 | 1.16054 | 1.17203 | 1.18361 | 1.19530 | 1.20710 | 10   |
| 11   | 1.11567                 | 1.12788 | 1.14021 | 1.15267 | 1.16525 | 1.17795 | 1.19078 | 1.20373 | 1.21682 | 1.23003 | 11   |
| 12   | 1.12682                 | 1.14029 | 1.15389 | 1.16765 | 1.18156 | 1.19562 | 1.20983 | 1.22420 | 1.23872 | 1.25340 | 12   |
| 13   | 1.13809                 | 1.15283 | 1.16774 | 1.18283 | 1.19810 | 1.21355 | 1.22919 | 1.24501 | 1.26102 | 1.27722 | 13   |
| 14   | 1.14947                 | 1.16551 | 1.18175 | 1.19821 | 1.21487 | 1.23176 | 1.24885 | 1.26617 | 1.28372 | 1.30148 | 14   |
| 15   | 1.16097                 | 1.17833 | 1.19594 | 1.21378 | 1.23188 | 1.25023 | 1.26884 | 1.28770 | 1.30682 | 1.32621 | 15   |
| 16   | 1.17258                 | 1.19129 | 1.21029 | 1.22956 | 1.24913 | 1.26899 | 1.28914 | 1.30959 | 1.33035 | 1.35141 | 16   |
| 17   | 1.18430                 | 1.20440 | 1.22481 | 1.24555 | 1.26662 | 1.28802 | 1.30976 | 1.33185 | 1.35429 | 1.37709 | 17   |
| 18   | 1.19615                 | 1.21765 | 1.23951 | 1.26174 | 1.28435 | 1.30734 | 1.33072 | 1.35449 | 1.37867 | 1.40325 | 18   |
| 19   | 1.20811                 | 1.23104 | 1.25438 | 1.27814 | 1.30233 | 1.32695 | 1.35201 | 1.37752 | 1.40348 | 1.42991 | 19   |
| 20   | 1.22019                 | 1.24458 | 1.26943 | 1.29476 | 1.32056 | 1.34685 | 1.37364 | 1.40094 | 1.42875 | 1.45708 | 20   |
|      |                         |         |         |         |         |         |         |         |         |         |      |
|      | 2.0                     | 2.1     | 2.2     | 2.3     | 2.4     | 2.5     | 2.6     | 2.7     | 2.8     | 2.9     |      |
| 1    | 1.02000                 | 1.02100 | 1.02200 | 1.02300 | 1.02400 | 1.02500 | 1.02600 | 1.02700 | 1.02800 | 1.02900 | 1    |
| 2    | 1.04040                 | 1.04244 | 1.04448 | 1.04653 | 1.04858 | 1.05062 | 1.05268 | 1.05473 | 1.05678 | 1.05884 | 2    |
| 3    | 1.06121                 | 1.06433 | 1.06746 | 1.07060 | 1.07374 | 1.07689 | 1.08005 | 1.08321 | 1.08637 | 1.08955 | 3    |
| 4    | 1.08243                 | 1.08668 | 1.09095 | 1.09522 | 1.09951 | 1.10381 | 1.10813 | 1.11245 | 1.11679 | 1.12114 | 4    |
| 5    | 1.10408                 | 1.10950 | 1.11495 | 1.12041 | 1.12590 | 1.13141 | 1.13694 | 1.14249 | 1.14806 | 1.15366 | 5    |
| 6    | 1.12616                 | 1.13280 | 1.13948 | 1.14618 | 1.15292 | 1.15969 | 1.16650 | 1.17334 | 1.18021 | 1.18711 | 6    |
| 7    | 1.14869                 | 1.15659 | 1.16454 | 1.17254 | 1.18059 | 1.18869 | 1.19683 | 1.20502 | 1.21325 | 1.22154 | 7    |
| 8    | 1.17166                 | 1.18088 | 1.19016 | 1.19951 | 1.20893 | 1.21840 | 1.22794 | 1.23755 | 1.24723 | 1.25696 | 8    |
| 9    | 1.19509                 | 1.20568 | 1.21635 | 1.22710 | 1.23794 | 1.24886 | 1.25987 | 1.27097 | 1.28215 | 1.29342 | 9    |
| 10   | 1.21899                 | 1.23100 | 1.24311 | 1.25533 | 1.26765 | 1.28008 | 1.29263 | 1.30528 | 1.31805 | 1.33093 | 10   |
| 11   | 1.24337                 | 1.25685 | 1.27046 | 1.28420 | 1.29807 | 1.31209 | 1.32624 | 1.34052 | 1.35495 | 1.36952 | 11   |
| 12   | 1.26824                 | 1.28324 | 1.29841 | 1.31373 | 1.32923 | 1.34489 | 1.36072 | 1.37672 | 1.39289 | 1.40924 | 12   |
| 13   | 1.29361                 | 1.31019 | 1.32697 | 1.34395 | 1.36113 | 1.37851 | 1.39610 | 1.41389 | 1.43189 | 1.45011 | 13   |
| 14   | 1.31948                 | 1.33771 | 1.35616 | 1.37486 | 1.39380 | 1.41297 | 1.43240 | 1.45207 | 1.47199 | 1.49216 | 14   |
| 15   | 1.34587                 | 1.36580 | 1.38600 | 1.40648 | 1.42725 | 1.44830 | 1.46964 | 1.49127 | 1.51320 | 1.53543 | 15   |
| 16   | 1.37279                 | 1.39448 | 1.41649 | 1.43883 | 1.46150 | 1.48451 | 1.50785 | 1.53154 | 1.55557 | 1.57996 | 16   |
| 17   | 1.40024                 | 1.42376 | 1.44765 | 1.47192 | 1.49658 | 1.52161 | 1.54705 | 1.57289 | 1.59913 | 1.62578 | 17   |
| 18   | 1.42825                 | 1.45366 | 1.47950 | 1.50578 | 1.53250 | 1.55966 | 1.58728 | 1.61535 | 1.64390 | 1.67293 | 18   |
| 19   | 1.45681                 | 1.48419 | 1.51205 | 1.54041 | 1.56927 | 1.59865 | 1.62854 | 1.65897 | 1.68993 | 1.72144 | 19   |
| 20   | 1.48595                 | 1.51536 | 1.54532 | 1.57584 | 1.60694 | 1.63862 | 1.67089 | 1.70376 | 1.73725 | 1.77136 | 20   |

**TABLE A2. COMPOUND INTEREST RATE TABLE - CONTINUED**

(Amount of 1 at compound interest)

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 3.0                     | 3.1     | 3.2     | 3.3     | 3.4     | 3.5     | 3.6     | 3.7     | 3.8     | 3.9     |      |
| 1    | 1.03000                 | 1.03100 | 1.03200 | 1.03300 | 1.03400 | 1.03500 | 1.03600 | 1.03700 | 1.03800 | 1.03900 | 1    |
| 2    | 1.06090                 | 1.06296 | 1.06502 | 1.06709 | 1.06916 | 1.07122 | 1.07330 | 1.07537 | 1.07744 | 1.07952 | 2    |
| 3    | 1.09273                 | 1.09591 | 1.09910 | 1.10230 | 1.10551 | 1.10872 | 1.11193 | 1.11516 | 1.11839 | 1.12162 | 3    |
| 4    | 1.12551                 | 1.12989 | 1.13428 | 1.13868 | 1.14309 | 1.14752 | 1.15196 | 1.15642 | 1.16089 | 1.16537 | 4    |
| 5    | 1.15927                 | 1.16491 | 1.17057 | 1.17626 | 1.18196 | 1.18769 | 1.19343 | 1.19921 | 1.20500 | 1.21081 | 5    |
| 6    | 1.19405                 | 1.20102 | 1.20803 | 1.21507 | 1.22215 | 1.22926 | 1.23640 | 1.24358 | 1.25079 | 1.25804 | 6    |
| 7    | 1.22987                 | 1.23826 | 1.24669 | 1.25517 | 1.26370 | 1.27228 | 1.28091 | 1.28959 | 1.29832 | 1.30710 | 7    |
| 8    | 1.26677                 | 1.27664 | 1.28658 | 1.29659 | 1.30667 | 1.31681 | 1.32702 | 1.33730 | 1.34766 | 1.35808 | 8    |
| 9    | 1.30477                 | 1.31622 | 1.32775 | 1.33938 | 1.35109 | 1.36290 | 1.37479 | 1.38678 | 1.39887 | 1.41104 | 9    |
| 10   | 1.34392                 | 1.35702 | 1.37024 | 1.38358 | 1.39703 | 1.41060 | 1.42429 | 1.43809 | 1.45202 | 1.46607 | 10   |
| 11   | 1.38423                 | 1.39909 | 1.41409 | 1.42923 | 1.44453 | 1.45997 | 1.47556 | 1.49130 | 1.50720 | 1.52325 | 11   |
| 12   | 1.42576                 | 1.44246 | 1.45934 | 1.47640 | 1.49364 | 1.51107 | 1.52868 | 1.54648 | 1.56447 | 1.58266 | 12   |
| 13   | 1.46853                 | 1.48718 | 1.50604 | 1.52512 | 1.54443 | 1.56396 | 1.58371 | 1.60370 | 1.62392 | 1.64438 | 13   |
| 14   | 1.51259                 | 1.53328 | 1.55423 | 1.57545 | 1.59694 | 1.61869 | 1.64073 | 1.66304 | 1.68563 | 1.70851 | 14   |
| 15   | 1.55797                 | 1.58081 | 1.60397 | 1.62744 | 1.65123 | 1.67535 | 1.69979 | 1.72457 | 1.74969 | 1.77514 | 15   |
| 16   | 1.60471                 | 1.62982 | 1.65529 | 1.68114 | 1.70737 | 1.73399 | 1.76099 | 1.78838 | 1.81617 | 1.84437 | 16   |
| 17   | 1.65285                 | 1.68034 | 1.70826 | 1.73662 | 1.76542 | 1.79468 | 1.82438 | 1.85455 | 1.88519 | 1.91630 | 17   |
| 18   | 1.70243                 | 1.73243 | 1.76293 | 1.79393 | 1.82545 | 1.85749 | 1.89006 | 1.92317 | 1.95683 | 1.99104 | 18   |
| 19   | 1.75351                 | 1.78614 | 1.81934 | 1.85313 | 1.88751 | 1.92250 | 1.95810 | 1.99433 | 2.03119 | 2.06869 | 19   |
| 20   | 1.80611                 | 1.84151 | 1.87756 | 1.91428 | 1.95169 | 1.98979 | 2.02859 | 2.06812 | 2.10837 | 2.14937 | 20   |
|      |                         |         |         |         |         |         |         |         |         |         |      |
|      | 4.0                     | 4.1     | 4.2     | 4.3     | 4.4     | 4.5     | 4.6     | 4.7     | 4.8     | 4.9     |      |
| 1    | 1.04000                 | 1.04100 | 1.04200 | 1.04300 | 1.04400 | 1.04500 | 1.04600 | 1.04700 | 1.04800 | 1.04900 | 1    |
| 2    | 1.08160                 | 1.08368 | 1.08576 | 1.08785 | 1.08994 | 1.09202 | 1.09412 | 1.09621 | 1.09830 | 1.10040 | 2    |
| 3    | 1.12486                 | 1.12811 | 1.13137 | 1.13463 | 1.13789 | 1.14117 | 1.14445 | 1.14773 | 1.15102 | 1.15432 | 3    |
| 4    | 1.16986                 | 1.17436 | 1.17888 | 1.18342 | 1.18796 | 1.19252 | 1.19709 | 1.20167 | 1.20627 | 1.21088 | 4    |
| 5    | 1.21665                 | 1.22251 | 1.22840 | 1.23430 | 1.24023 | 1.24618 | 1.25216 | 1.25815 | 1.26417 | 1.27022 | 5    |
| 6    | 1.26532                 | 1.27264 | 1.27999 | 1.28738 | 1.29480 | 1.30226 | 1.30975 | 1.31729 | 1.32485 | 1.33246 | 6    |
| 7    | 1.31593                 | 1.32481 | 1.33375 | 1.34273 | 1.35177 | 1.36086 | 1.37000 | 1.37920 | 1.38845 | 1.39775 | 7    |
| 8    | 1.36857                 | 1.37913 | 1.38977 | 1.40047 | 1.41125 | 1.42210 | 1.43302 | 1.44402 | 1.45509 | 1.46624 | 8    |
| 9    | 1.42331                 | 1.43568 | 1.44814 | 1.46069 | 1.47334 | 1.48609 | 1.49894 | 1.51189 | 1.52494 | 1.53808 | 9    |
| 10   | 1.48024                 | 1.49454 | 1.50896 | 1.52350 | 1.53817 | 1.55297 | 1.56789 | 1.58295 | 1.59813 | 1.61345 | 10   |
| 11   | 1.53945                 | 1.55582 | 1.57233 | 1.58901 | 1.60585 | 1.62285 | 1.64002 | 1.65735 | 1.67484 | 1.69251 | 11   |
| 12   | 1.60103                 | 1.61960 | 1.63837 | 1.65734 | 1.67651 | 1.69588 | 1.71546 | 1.73524 | 1.75524 | 1.77544 | 12   |
| 13   | 1.66507                 | 1.68601 | 1.70718 | 1.72861 | 1.75028 | 1.77220 | 1.79437 | 1.81680 | 1.83949 | 1.86244 | 13   |
| 14   | 1.73168                 | 1.75513 | 1.77889 | 1.80294 | 1.82729 | 1.85194 | 1.87691 | 1.90219 | 1.92778 | 1.95369 | 14   |
| 15   | 1.80094                 | 1.82709 | 1.85360 | 1.88046 | 1.90769 | 1.93528 | 1.96325 | 1.99159 | 2.02032 | 2.04943 | 15   |
| 16   | 1.87298                 | 1.90200 | 1.93145 | 1.96132 | 1.99163 | 2.02237 | 2.05356 | 2.08520 | 2.11729 | 2.14985 | 16   |
| 17   | 1.94790                 | 1.97999 | 2.01257 | 2.04566 | 2.07926 | 2.11338 | 2.14802 | 2.18320 | 2.21892 | 2.25519 | 17   |
| 18   | 2.02582                 | 2.06117 | 2.09710 | 2.13362 | 2.17074 | 2.20848 | 2.24683 | 2.28581 | 2.32543 | 2.36569 | 18   |
| 19   | 2.10685                 | 2.14567 | 2.18518 | 2.22537 | 2.26626 | 2.30786 | 2.35018 | 2.39324 | 2.43705 | 2.48161 | 19   |
| 20   | 2.19112                 | 2.23365 | 2.27695 | 2.32106 | 2.36597 | 2.41171 | 2.45829 | 2.50573 | 2.55403 | 2.60321 | 20   |
|      |                         |         |         |         |         |         |         |         |         |         |      |
|      | 5.0                     | 5.1     | 5.2     | 5.3     | 5.4     | 5.5     | 5.6     | 5.7     | 5.8     | 5.9     |      |
| 1    | 1.05000                 | 1.05100 | 1.05200 | 1.05300 | 1.05400 | 1.05500 | 1.05600 | 1.05700 | 1.05800 | 1.05900 | 1    |
| 2    | 1.10250                 | 1.10460 | 1.10670 | 1.10881 | 1.11092 | 1.11302 | 1.11514 | 1.11725 | 1.11936 | 1.12148 | 2    |
| 3    | 1.15762                 | 1.16094 | 1.16425 | 1.16758 | 1.17091 | 1.17424 | 1.17758 | 1.18093 | 1.18429 | 1.18765 | 3    |
| 4    | 1.21551                 | 1.22014 | 1.22479 | 1.22946 | 1.23413 | 1.23882 | 1.24353 | 1.24825 | 1.25298 | 1.25772 | 4    |
| 5    | 1.27628                 | 1.28237 | 1.28848 | 1.29462 | 1.30078 | 1.30696 | 1.31317 | 1.31940 | 1.32565 | 1.33192 | 5    |
| 6    | 1.34010                 | 1.34777 | 1.35548 | 1.36323 | 1.37102 | 1.37884 | 1.38670 | 1.39460 | 1.40254 | 1.41051 | 6    |
| 7    | 1.40710                 | 1.41651 | 1.42597 | 1.43548 | 1.44505 | 1.45468 | 1.46436 | 1.47409 | 1.48388 | 1.49373 | 7    |
| 8    | 1.47746                 | 1.48875 | 1.50012 | 1.51157 | 1.52309 | 1.53469 | 1.54636 | 1.55812 | 1.56995 | 1.58186 | 8    |
| 9    | 1.55133                 | 1.56468 | 1.57813 | 1.59168 | 1.60533 | 1.61909 | 1.63296 | 1.64693 | 1.66100 | 1.67519 | 9    |
| 10   | 1.62889                 | 1.64447 | 1.66019 | 1.67604 | 1.69202 | 1.70814 | 1.72440 | 1.74080 | 1.75734 | 1.77402 | 10   |
| 11   | 1.71034                 | 1.72834 | 1.74652 | 1.76487 | 1.78339 | 1.80209 | 1.82097 | 1.84003 | 1.85927 | 1.87869 | 11   |
| 12   | 1.79586                 | 1.81649 | 1.83734 | 1.85841 | 1.87969 | 1.90121 | 1.92295 | 1.94491 | 1.96711 | 1.98953 | 12   |
| 13   | 1.88565                 | 1.90913 | 1.93288 | 1.95690 | 1.98120 | 2.00577 | 2.03063 | 2.05577 | 2.08120 | 2.10692 | 13   |
| 14   | 1.97993                 | 2.00649 | 2.03339 | 2.06062 | 2.08818 | 2.11609 | 2.14435 | 2.17295 | 2.20191 | 2.23122 | 14   |
| 15   | 2.07893                 | 2.10883 | 2.13912 | 2.16983 | 2.20094 | 2.23248 | 2.26443 | 2.29681 | 2.32962 | 2.36287 | 15   |
| 16   | 2.18287                 | 2.21638 | 2.25036 | 2.28483 | 2.31980 | 2.35526 | 2.39124 | 2.42773 | 2.46474 | 2.50228 | 16   |
| 17   | 2.29202                 | 2.32941 | 2.36738 | 2.40593 | 2.44506 | 2.48480 | 2.52515 | 2.56611 | 2.60769 | 2.64991 | 17   |
| 18   | 2.40662                 | 2.44821 | 2.49048 | 2.53344 | 2.57710 | 2.62147 | 2.66655 | 2.71237 | 2.75894 | 2.80625 | 18   |
| 19   | 2.52695                 | 2.57307 | 2.61999 | 2.66771 | 2.71626 | 2.76565 | 2.81588 | 2.86698 | 2.91896 | 2.97182 | 19   |
| 20   | 2.65330                 | 2.70430 | 2.75622 | 2.80910 | 2.86294 | 2.91776 | 2.97357 | 3.03040 | 3.08826 | 3.14716 | 20   |

**TABLE A2. COMPOUND INTEREST RATE TABLE - CONTINUED**

(Amount of 1 at compound interest)

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         | Year    |     |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
|      | 6.0                     | 6.1     | 6.2     | 6.3     | 6.4     | 6.5     | 6.6     | 6.7     | 6.8     |         | 6.9 |
| 1    | 1.06000                 | 1.06100 | 1.06200 | 1.06300 | 1.06400 | 1.06500 | 1.06600 | 1.06700 | 1.06800 | 1.06900 | 1   |
| 2    | 1.12360                 | 1.12572 | 1.12784 | 1.12997 | 1.13210 | 1.13422 | 1.13636 | 1.13849 | 1.14062 | 1.14276 | 2   |
| 3    | 1.19102                 | 1.19439 | 1.19777 | 1.20116 | 1.20455 | 1.20795 | 1.21136 | 1.21477 | 1.21819 | 1.22161 | 3   |
| 4    | 1.26248                 | 1.26725 | 1.27203 | 1.27683 | 1.28164 | 1.28647 | 1.29130 | 1.29616 | 1.30102 | 1.30590 | 4   |
| 5    | 1.33823                 | 1.34455 | 1.35090 | 1.35727 | 1.36367 | 1.37009 | 1.37653 | 1.38300 | 1.38949 | 1.39601 | 5   |
| 6    | 1.41852                 | 1.42657 | 1.43465 | 1.44278 | 1.45094 | 1.45914 | 1.46738 | 1.47566 | 1.48398 | 1.49233 | 6   |
| 7    | 1.50363                 | 1.51359 | 1.52360 | 1.53367 | 1.54380 | 1.55399 | 1.56423 | 1.57453 | 1.58489 | 1.59531 | 7   |
| 8    | 1.59385                 | 1.60592 | 1.61807 | 1.63029 | 1.64260 | 1.65500 | 1.66747 | 1.68002 | 1.69266 | 1.70538 | 8   |
| 9    | 1.68948                 | 1.70388 | 1.71839 | 1.73300 | 1.74773 | 1.76257 | 1.77752 | 1.79258 | 1.80776 | 1.82305 | 9   |
| 10   | 1.79085                 | 1.80781 | 1.82493 | 1.84218 | 1.85959 | 1.87714 | 1.89484 | 1.91269 | 1.93069 | 1.94884 | 10  |
| 11   | 1.89830                 | 1.91809 | 1.93807 | 1.95824 | 1.97860 | 1.99915 | 2.01990 | 2.04084 | 2.06198 | 2.08331 | 11  |
| 12   | 2.01220                 | 2.03509 | 2.05823 | 2.08161 | 2.10523 | 2.12910 | 2.15321 | 2.17757 | 2.20219 | 2.22706 | 12  |
| 13   | 2.13293                 | 2.15923 | 2.18584 | 2.21275 | 2.23996 | 2.26749 | 2.29532 | 2.32347 | 2.35194 | 2.38073 | 13  |
| 14   | 2.26090                 | 2.29095 | 2.32136 | 2.35215 | 2.38332 | 2.41487 | 2.44681 | 2.47914 | 2.51187 | 2.54500 | 14  |
| 15   | 2.39656                 | 2.43070 | 2.46529 | 2.50034 | 2.53585 | 2.57184 | 2.60830 | 2.64525 | 2.68268 | 2.72060 | 15  |
| 16   | 2.54035                 | 2.57897 | 2.61814 | 2.65786 | 2.69815 | 2.73901 | 2.78045 | 2.82248 | 2.86510 | 2.90833 | 16  |
| 17   | 2.69277                 | 2.73628 | 2.78046 | 2.82530 | 2.87083 | 2.91705 | 2.96396 | 3.01158 | 3.05993 | 3.10900 | 17  |
| 18   | 2.85434                 | 2.90320 | 2.95285 | 3.00330 | 3.05456 | 3.10665 | 3.15958 | 3.21336 | 3.26800 | 3.32352 | 18  |
| 19   | 3.02560                 | 3.08029 | 3.13592 | 3.19251 | 3.25006 | 3.30859 | 3.36811 | 3.42866 | 3.49023 | 3.55284 | 19  |
| 20   | 3.20713                 | 3.26819 | 3.33035 | 3.39363 | 3.45806 | 3.52364 | 3.59041 | 3.65837 | 3.72756 | 3.79799 | 20  |
|      |                         |         |         |         |         |         |         |         |         |         |     |
|      | 7.0                     | 7.1     | 7.2     | 7.3     | 7.4     | 7.5     | 7.6     | 7.7     | 7.8     | 7.9     |     |
| 1    | 1.07000                 | 1.07100 | 1.07200 | 1.07300 | 1.07400 | 1.07500 | 1.07600 | 1.07700 | 1.07800 | 1.07900 | 1   |
| 2    | 1.14490                 | 1.14704 | 1.14918 | 1.15133 | 1.15348 | 1.15562 | 1.15778 | 1.15993 | 1.16208 | 1.16424 | 2   |
| 3    | 1.22504                 | 1.22848 | 1.23193 | 1.23538 | 1.23883 | 1.24230 | 1.24577 | 1.24924 | 1.25273 | 1.25622 | 3   |
| 4    | 1.31080                 | 1.31570 | 1.32062 | 1.32556 | 1.33051 | 1.33547 | 1.34045 | 1.34544 | 1.35044 | 1.35546 | 4   |
| 5    | 1.40255                 | 1.40912 | 1.41571 | 1.42232 | 1.42896 | 1.43563 | 1.44232 | 1.44903 | 1.45577 | 1.46254 | 5   |
| 6    | 1.50073                 | 1.50917 | 1.51764 | 1.52615 | 1.53471 | 1.54330 | 1.55194 | 1.56061 | 1.56932 | 1.57808 | 6   |
| 7    | 1.60578                 | 1.61632 | 1.62691 | 1.63756 | 1.64828 | 1.65905 | 1.66988 | 1.68078 | 1.69173 | 1.70275 | 7   |
| 8    | 1.71819                 | 1.73107 | 1.74405 | 1.75710 | 1.77025 | 1.78348 | 1.79679 | 1.81020 | 1.82369 | 1.83726 | 8   |
| 9    | 1.83846                 | 1.85398 | 1.86962 | 1.88537 | 1.90125 | 1.91724 | 1.93335 | 1.94958 | 1.96593 | 1.98241 | 9   |
| 10   | 1.96715                 | 1.98561 | 2.00423 | 2.02301 | 2.04194 | 2.06103 | 2.08028 | 2.09970 | 2.11928 | 2.13902 | 10  |
| 11   | 2.10485                 | 2.12659 | 2.14854 | 2.17069 | 2.19304 | 2.21561 | 2.23839 | 2.26138 | 2.28458 | 2.30800 | 11  |
| 12   | 2.25219                 | 2.27758 | 2.30323 | 2.32915 | 2.35533 | 2.38178 | 2.40850 | 2.43550 | 2.46278 | 2.49033 | 12  |
| 13   | 2.40984                 | 2.43929 | 2.46906 | 2.49917 | 2.52962 | 2.56041 | 2.59155 | 2.62303 | 2.65487 | 2.68707 | 13  |
| 14   | 2.57853                 | 2.61248 | 2.64683 | 2.68161 | 2.71681 | 2.75244 | 2.78851 | 2.82501 | 2.86195 | 2.89935 | 14  |
| 15   | 2.75903                 | 2.79796 | 2.83741 | 2.87737 | 2.91786 | 2.95888 | 3.00043 | 3.04253 | 3.08519 | 3.12839 | 15  |
| 16   | 2.95216                 | 2.99662 | 3.04170 | 3.08742 | 3.13378 | 3.18079 | 3.22847 | 3.27681 | 3.32583 | 3.37554 | 16  |
| 17   | 3.15881                 | 3.20938 | 3.26070 | 3.31280 | 3.36568 | 3.41935 | 3.47383 | 3.52912 | 3.58524 | 3.64221 | 17  |
| 18   | 3.37993                 | 3.43724 | 3.49547 | 3.55463 | 3.61474 | 3.67580 | 3.73784 | 3.80087 | 3.86489 | 3.92994 | 18  |
| 19   | 3.61653                 | 3.68129 | 3.74715 | 3.81412 | 3.88223 | 3.95149 | 4.02192 | 4.09353 | 4.16635 | 4.24040 | 19  |
| 20   | 3.86968                 | 3.94266 | 4.01694 | 4.09255 | 4.16951 | 4.24785 | 4.32758 | 4.40873 | 4.49133 | 4.57540 | 20  |
|      |                         |         |         |         |         |         |         |         |         |         |     |
|      | 8.0                     | 8.1     | 8.2     | 8.3     | 8.4     | 8.5     | 8.6     | 8.7     | 8.8     | 8.9     |     |
| 1    | 1.08000                 | 1.08100 | 1.08200 | 1.08300 | 1.08400 | 1.08500 | 1.08600 | 1.08700 | 1.08800 | 1.08900 | 1   |
| 2    | 1.16640                 | 1.16856 | 1.17072 | 1.17289 | 1.17506 | 1.17722 | 1.17940 | 1.18157 | 1.18374 | 1.18592 | 2   |
| 3    | 1.25971                 | 1.26321 | 1.26672 | 1.27024 | 1.27376 | 1.27729 | 1.28082 | 1.28437 | 1.28791 | 1.29147 | 3   |
| 4    | 1.36049                 | 1.36553 | 1.37059 | 1.37567 | 1.38076 | 1.38586 | 1.39097 | 1.39611 | 1.40125 | 1.40641 | 4   |
| 5    | 1.46933                 | 1.47614 | 1.48298 | 1.48985 | 1.49674 | 1.50366 | 1.51060 | 1.51757 | 1.52456 | 1.53158 | 5   |
| 6    | 1.58687                 | 1.59571 | 1.60459 | 1.61351 | 1.62247 | 1.63147 | 1.64051 | 1.64959 | 1.65872 | 1.66789 | 6   |
| 7    | 1.71382                 | 1.72496 | 1.73616 | 1.74743 | 1.75875 | 1.77014 | 1.78159 | 1.79311 | 1.80469 | 1.81633 | 7   |
| 8    | 1.85093                 | 1.86468 | 1.87853 | 1.89246 | 1.90649 | 1.92060 | 1.93481 | 1.94911 | 1.96350 | 1.97798 | 8   |
| 9    | 1.99900                 | 2.01572 | 2.03257 | 2.04954 | 2.06663 | 2.08385 | 2.10120 | 2.11868 | 2.13629 | 2.15403 | 9   |
| 10   | 2.15892                 | 2.17900 | 2.19924 | 2.21965 | 2.24023 | 2.26098 | 2.28191 | 2.30301 | 2.32428 | 2.34573 | 10  |
| 11   | 2.33164                 | 2.35550 | 2.37958 | 2.40388 | 2.42841 | 2.45317 | 2.47815 | 2.50337 | 2.52882 | 2.55450 | 11  |
| 12   | 2.51817                 | 2.54629 | 2.57470 | 2.60340 | 2.63240 | 2.66169 | 2.69127 | 2.72116 | 2.75135 | 2.78185 | 12  |
| 13   | 2.71962                 | 2.75254 | 2.78583 | 2.81948 | 2.85352 | 2.88793 | 2.92272 | 2.95790 | 2.99347 | 3.02944 | 13  |
| 14   | 2.93719                 | 2.97550 | 3.01427 | 3.05350 | 3.09321 | 3.13340 | 3.17408 | 3.21524 | 3.25690 | 3.29906 | 14  |
| 15   | 3.17217                 | 3.21651 | 3.26143 | 3.30694 | 3.35304 | 3.39974 | 3.44705 | 3.49497 | 3.54351 | 3.59268 | 15  |
| 16   | 3.42594                 | 3.47705 | 3.52887 | 3.58142 | 3.63470 | 3.68872 | 3.74349 | 3.79903 | 3.85533 | 3.91242 | 16  |
| 17   | 3.70002                 | 3.75869 | 3.81824 | 3.87868 | 3.94002 | 4.00226 | 4.06543 | 4.12954 | 4.19460 | 4.26063 | 17  |
| 18   | 3.99602                 | 4.06314 | 4.13134 | 4.20061 | 4.27097 | 4.34245 | 4.41506 | 4.48881 | 4.56373 | 4.63982 | 18  |
| 19   | 4.31570                 | 4.39226 | 4.47010 | 4.54926 | 4.62973 | 4.71156 | 4.79475 | 4.87934 | 4.96534 | 5.05277 | 19  |
| 20   | 4.66095                 | 4.74803 | 4.83665 | 4.92684 | 5.01863 | 5.11204 | 5.20710 | 5.30384 | 5.40229 | 5.50247 | 20  |

**TABLE A2. COMPOUND INTEREST RATE TABLE - CONTINUED**

(Amount of 1 at compound interest)

| Year | GROWTH RATE (PERCENT) - |         |         |         |         |         |         |         |         |         | Year |
|------|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|
|      | 9.0                     | 9.1     | 9.2     | 9.3     | 9.4     | 9.5     | 9.6     | 9.7     | 9.8     | 9.9     |      |
| 1    | 1.09000                 | 1.09100 | 1.09200 | 1.09300 | 1.09400 | 1.09500 | 1.09600 | 1.09700 | 1.09800 | 1.09900 | 1    |
| 2    | 1.18810                 | 1.19028 | 1.19246 | 1.19465 | 1.19684 | 1.19902 | 1.20122 | 1.20341 | 1.20560 | 1.20780 | 2    |
| 3    | 1.29503                 | 1.29860 | 1.30217 | 1.30575 | 1.30934 | 1.31293 | 1.31653 | 1.32014 | 1.32375 | 1.32737 | 3    |
| 4    | 1.41158                 | 1.41677 | 1.42197 | 1.42719 | 1.43242 | 1.43766 | 1.44292 | 1.44819 | 1.45348 | 1.45878 | 4    |
| 5    | 1.53862                 | 1.54569 | 1.55279 | 1.55991 | 1.56706 | 1.57424 | 1.58144 | 1.58867 | 1.59592 | 1.60320 | 5    |
| 6    | 1.67710                 | 1.68635 | 1.69565 | 1.70499 | 1.71437 | 1.72379 | 1.73326 | 1.74277 | 1.75232 | 1.76192 | 6    |
| 7    | 1.82804                 | 1.83981 | 1.85165 | 1.86355 | 1.87552 | 1.88755 | 1.89965 | 1.91182 | 1.92405 | 1.93635 | 7    |
| 8    | 1.99256                 | 2.00723 | 2.02200 | 2.03686 | 2.05182 | 2.06687 | 2.08202 | 2.09726 | 2.11261 | 2.12805 | 8    |
| 9    | 2.17189                 | 2.18989 | 2.20802 | 2.22629 | 2.24469 | 2.26322 | 2.28189 | 2.30070 | 2.31964 | 2.33872 | 9    |
| 10   | 2.36736                 | 2.38917 | 2.41116 | 2.43333 | 2.45569 | 2.47823 | 2.50095 | 2.52386 | 2.54697 | 2.57026 | 10   |
| 11   | 2.58043                 | 2.60659 | 2.63299 | 2.65963 | 2.68652 | 2.71366 | 2.74104 | 2.76868 | 2.79657 | 2.82471 | 11   |
| 12   | 2.81266                 | 2.84379 | 2.87522 | 2.90698 | 2.93905 | 2.97146 | 3.00418 | 3.03724 | 3.07063 | 3.10436 | 12   |
| 13   | 3.06580                 | 3.10257 | 3.13974 | 3.17733 | 3.21533 | 3.25374 | 3.29258 | 3.33185 | 3.37155 | 3.41169 | 13   |
| 14   | 3.34173                 | 3.38490 | 3.42860 | 3.47282 | 3.51757 | 3.56285 | 3.60867 | 3.65504 | 3.70197 | 3.74945 | 14   |
| 15   | 3.64248                 | 3.69293 | 3.74403 | 3.79579 | 3.84822 | 3.90132 | 3.95510 | 4.00958 | 4.06476 | 4.12064 | 15   |
| 16   | 3.97030                 | 4.02899 | 4.08848 | 4.14880 | 4.20995 | 4.27194 | 4.33479 | 4.39851 | 4.46311 | 4.52859 | 16   |
| 17   | 4.32763                 | 4.39562 | 4.46462 | 4.53464 | 4.60568 | 4.67778 | 4.75093 | 4.82517 | 4.90049 | 4.97692 | 17   |
| 18   | 4.71712                 | 4.79562 | 4.87537 | 4.95636 | 5.03862 | 5.12217 | 5.20702 | 5.29321 | 5.38074 | 5.46963 | 18   |
| 19   | 5.14166                 | 5.23203 | 5.32390 | 5.41730 | 5.51225 | 5.60877 | 5.70690 | 5.80665 | 5.90805 | 6.01113 | 19   |
| 20   | 5.60441                 | 5.70814 | 5.81370 | 5.92111 | 6.03040 | 6.14161 | 6.25476 | 6.36989 | 6.48704 | 6.60623 | 20   |





## APPENDIX 2. SERIES DESCRIPTIONS AND SOURCES

Series A1 to A3; A7, A8, A11, and A12  
Gross National Product and Per Capita Gross National Product in 1929 and 1958 Dollars

Gross national product (GNP) as defined by the Department of Commerce (series A2), is the market value of the output of final goods and services produced by the Nation's economy (i.e., by the labor and property supplied by residents of the Nation) before deduction of allowances for capital consumption. GNP measures this output in terms of the expenditures by which final goods are acquired by the ultimate consumers and the addition to business inventories. These expenditures are the sum of four major items: (1) Personal consumption expenditures (series A24), (2) gross private domestic investment, which includes the addition to business inventories (series A28), (3) net exports of goods and services (series A32), and (4) government purchases of goods and services (series A34).

In order to eliminate the effects of price changes and measure the changes in the physical volume of output, the Department of Commerce calculates GNP in constant dollars. In general, the constant-dollar series are derived by dividing the current-dollar estimates, in as fine a product breakdown as possible, by appropriate price indexes based on 1958 as 100, in order to eliminate from the current-dollar estimates all price changes as compared with 1958. GNP in current dollars is also shown as series A8.

The Kuznets-Kendrick series (A1 in 1929 dollars and A7 in current dollars) are also on the Department of Commerce conceptual basis. (Kendrick adjusted the Kuznets estimates to conform with the Commerce concept as it existed before the revision explained in the August 1965 Survey of Current Business. The figures published in this report are those published by Kendrick with no further attempt at conceptual comparability.) Kendrick has adjusted the Kuznets Variant III GNP estimates as follows: Direct government services to consumers were subtracted from, and the imputed services of financial intermediaries were added to Kuznets' flow of goods; public construction, public purchases of durable equipment (including munitions), and the net change in inventories of monetary metals were subtracted from his gross capital formation; and total government purchases of goods and services were added to Kuznets' private purchases of goods and services.

These adjustments were necessary in order to bring Kuznets' GNP estimates more into line with the Department of Commerce concept of national product. The principal difference between the concepts underlying the Kuznets and Commerce estimates affects the classification of products as final or intermediate. Kuznets defines as final products all goods and services which contribute to a socially determined set of goals; that is, goods and services which satisfy the wants of individual consumers, both present and future.

The Department of Commerce definition of a final product, on the other hand, relies on "operational rules" whereby the business accounting practices followed determine whether a product or service is classified as an intermediate cost or a final sale. For example, a final product is a purchase that is not resold or charged to current operating cost, whereas, a purchase that is resold or charged to current cost is an intermediate purchase or product.

This conceptual difference between the delineation of final and intermediate products results in estimates which differ principally in the government sector of the economy. Kuznets includes only those government services and products which he judged to be of direct benefit to consumers, whereas, the Commerce Department includes all goods not resold.

Per capita GNP (series A11 and A12) is based on both of the constant-dollar GNP series discussed above (series A1 and A2) and the total population of the United States (series A106).

The Kuznets Variant I GNP estimates (series A3) are conceptually the same as his estimates described above, but differ from his other variants in the statistics used to derive the service component of flow of goods to consumers. In Variant I, this component has been approximated by subtracting estimates of cost of commodities to consumers and net capital formation from independently derived estimates of national income (which appeared in Kuznets' National Income and Its Composition, 1919-1938, NBER) and was extrapolated forward from the 1930's by appropriate items in the Commerce national income accounts. Variant III incorporates Commerce Department estimates of this component beginning with 1929 and is extrapolated back to 1919 using certain components of both Variants I and II.

For the period 1889 to 1908, the data are Kuznets' 5-year moving averages of underlying annual estimates "which tend to cancel the short-term fluctuations while still revealing the underlying secular movements and any longer swings in them with sufficient accuracy."

The author incorporated earlier work at the National Bureau of Economic Research in deriving the 1909 to 1918 data and believes they "are probably subject to a wider margin of error than those for the years beginning with 1919." Data before 1889 "did not seem sufficiently reliable" to Kuznets as an annual measure and so his overlapping decade averages at 5-year intervals are presented.

There is some controversy over the high rate of growth of GNP in the first decade of Kuznets' estimates (series A3) and Kendrick's adjustments to the Commerce concept (series A1). Kuznets recognized that the census of manufactures was understated in 1869 relative to 1879 by 5 to 13 percent but made no adjustment since the effect on decade averages would be fairly small. Some investigators prefer a more conservative estimate of the decade increase. Milton Friedman (in "Monetary Data and National Income Estimates," Economic Development and Cultural Change, April 1961), using data for certain money stock components, has estimated that the understatement may have been as high as 18 to 22 percent. Also, Neal Potter and Francis T. Christy (in Trends in Natural Resource Commodities, Resources for the Future, Inc.) interpolated annual data between Kuznets' 10-year figures using a commodity output index. Potter and Christy estimate the 1870 to 1880 increase in GNP as 70 percent as opposed to the 120 percent in Kuznets' estimates. For this period, the authors have evaluated various industry percentage increases in output and the percent distribution of the labor force.

Sources: Series A1 and A7 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series A2 and A8 are from the Survey of

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

Current Business, U.S. Department of Commerce, Office of Business Economics. For series A11 and A12, see also the population series, A106. Series A3 is from Simon Kuznets, Capital in the American Economy, Its Formation and Financing, National Bureau of Economic Research. For additional discussions of concepts of national income accounting see, A Critique of the U.S. Income and Product Accounts, Studies in Income and Wealth, Volume XXII, National Bureau of Economic Research; and National Income, 1954, U.S. Income and Output, 1958, and the Survey of Current Business, August 1965, all published by the Office of Business Economics.

### Series A4 and A5 Potential Gross National Product in 1958 and 1954 Dollars

These potential GNP measures are estimates of the volume of goods and services (adjusted for price changes) which the economy could ordinarily produce each year at assumed high levels of employment and capital utilization.

Knowles describes potential output and its relation to capacity output as follows:

"In a host of ways, therefore, the maximum output of the economy is flexible over a considerable range, even when each industry or trade is operating at what managements ordinarily would call full capacity rates. No attempt was made, therefore, to measure the ultimate capacity of the economy. It is clear only that it must be much higher than the measure of potential output arrived at in this study. For each year, the potential output level represents the amount the economy could produce at some stipulated rate of use of the labor force and of capital, and under the assumption that productive resources are used at something approaching the economy's notion of a least-cost combination of inputs. That is, capacity, however conceived, is being operated so as to produce output at the least cost per unit of output, in accordance with the best practices possible with existing management, capital, and training and knowledge of the labor force. It is, in a word, a measure of what practical man can do under the usual operating conditions maintainable over long periods of time without excess strain or breakdown, on the one hand, or, on the other, excessive, wasteful slack in the system, particularly prolonged, involuntary unemployment of labor." (pages 7 and 8.)

Both the Council of Economic Advisers (series A4) and Knowles (series A5) specify utilization of 96 percent of the labor force (4 percent unemployment) in their definition of potential. The CEA estimates that the levels of potential and actual GNP were approximately equal in mid-1955 and that potential increased 3-1/2 percent per year from mid-1955 to the end of 1962 and increased about 3-3/4 percent per year since 1962. The CEA states that these estimates are based on the evidence that, over the period considered, the potential labor force has grown by about 1-1/4 percent per year, while hours of work have decreased almost 1/4 percent per year and that the normal growth of man-hour productivity for the entire work force was about 2-1/2 percent per year.

Knowles, in addition to taking account of the above variables, took explicit account of the age and stock of capital and included a time trend to allow for factors such as changes in

health, education, and managerial skill for which data were not available.

Sources: Series A4 is from The Economic Report of the President, together with The Annual Report of the Council of Economic Advisers, U.S. Government Printing Office, Washington, 1966. Series A5 is from James W. Knowles, The Potential Economic Growth in the United States, Study Paper No. 20, Study of Employment, Growth and Price Levels, Joint Economic Committee of Congress, U.S. Government Printing Office, Washington, 1960. See also Arthur Okun, "Potential GNP: Its Measurement and Significance," The 1962 Proceedings of the Business and Economic Statistics Section, American Statistical Association.

### Series A6 Net National Product in 1929 Dollars

This series measures the market value of the output of final goods and services net of capital consumption. It is equal to Kendrick's constant dollar GNP series (A1) less capital consumption allowances also in 1929 dollars.

Kendrick adjusted the Kuznets capital consumption allowance estimates to the Commerce Department concept by subtracting estimates of natural resource depletion and depreciation on publicly owned capital goods. Kuznets' capital consumption figures were generally derived from his estimates of fixed capital formation, in constant dollars, in accordance with estimated life spans of major classes of producer goods. Kuznets estimates were based on replacement costs.

According to Kendrick, real capital consumption estimates should be interpreted as measuring the resources required to maintain the income-producing ability of the capital stock in terms of base-period prices rather than the volume of capital goods production necessary to maintain intact the productive capacity of the economy, since a given amount of capital goods in constant prices would be expected to have a greater output capacity in one period than another as a result of technological advance.

Source: Series A6 is from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research.

### Series A9 and A10 National Income

These series measure total output in terms of payments to the factors of production. They are equal to the aggregate earnings arising from current production and accruing to labor and property employed in production. National income, published in current dollars by the Department of Commerce (series A10), differs from GNP in that it does not include indirect business taxes and nontax liabilities, business transfer payments, capital consumption allowances, and the current surplus of government enterprises less subsidies.

The Goldsmith-Kendrick series (A9) was constructed by adjusting Kendrick's current-dollar GNP estimates (series A7)

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

for the items accounting for the difference between GNP and national income. The adjustment items were estimated by Raymond W. Goldsmith (A Study of Saving in the United States, Vol. III). The Kendrick GNP estimates and the Goldsmith adjustment items, for the most part, conform to the Commerce Department concepts and definitions prior to the revisions in definitions introduced in the August 1965 Survey of Current Business.

The breakdown of national income by type of income (employee compensation, profits, net interest, and rental income) is shown as series A54 through A58.

*Sources:* Series A9 is from Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census. Series A10 is from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series A13 and A14

#### Gross Private Domestic Product in 1929 and 1958 Dollars

Series A13, compiled by Kendrick, measures the private domestic sector of GNP on the Commerce Department conceptual basis (see series A1 to A3). It was derived by subtracting from GNP in 1929 dollars (series A1), government product and net factor income from abroad. In this context, government product includes the compensation of general government employees but not the compensation of employees in government enterprises.

The Department of Commerce series (A14) consists of GNP in 1958 dollars less gross product originating in general government and gross product accruing from the rest of the world, both in 1958 dollars. This subtrahend excludes product originating in government enterprises which is included in business gross product.

*Sources:* Series A13 is from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series A14 is from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series A15 and A16

#### Industrial Production, Index: 1913 = 100; 1957-59 = 100

These indexes measure the changes in the physical volume or quantity of output in manufacturing and mining establishments and in electric and gas utilities. Production on farms, in the construction industry, in transportation, or in various trade and service industries is not included.

Series A15 (1860 to 1928) was prepared by Nutter using a system of moving income-originating weights to combine the component industries. The sources used for this series were Edwin Frickey, Production in the United States, 1860-1914; Solomon Fabricant, The Output of Manufacturing Industries, 1899-1937; Warren Persons, Forecasting Business Cycles; Y. S. Leong, "Index of the Physical Volume Production of Minerals, 1880-1948," Journal of the American Statistical Association, March 1950; Harold Barger and Sam Schurr, The Mining Industries, 1899-1939, National Bureau of Economic

Research; and Jacob Gould, Output and Productivity in the Electric and Gas Utilities, 1899-1942, National Bureau of Economic Research.

The Federal Reserve series (A16—1919 to the present) industry grouping of durable manufactures, nondurable manufactures, mining, and utilities is based largely on the 1957 edition of the Standard Industrial Classification Manual (SIC). A total of about 200 monthly series, adjusted for under-coverage or other deficiencies where necessary, are included in the index. The industries covered by this index currently produce about 35 percent of the value of the total output of goods and services in the United States. The individual series are combined by means of weighted averages of relatives where the weights are based on the base period value added; that is, the difference between the value of production and the cost of materials. The index, which is on a 1957-59 base, covers the production of both final and intermediate products.

*Sources:* Series A15 is from G. Warren Nutter, Growth of Industrial Production in the Soviet Union, National Bureau of Economic Research. Series A16 is from Industrial Production, 1957-59 Base and Federal Reserve Bulletins, Board of Governors of the Federal Reserve System.

### Series A17 and A18

#### Gross Nonfarm Product in 1929 and 1958 Dollars

These series measure the gross output of the nonagricultural sector of the private economy. The Kendrick series (A17) is expressed in 1929 dollars and the Department of Commerce series (A18) is in 1958 dollars.

*Sources:* Series A17 is from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series A18 is from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series A19

#### Manufacturing Output, Index: 1929 = 100

This series measures the physical volume or quantity of output in manufacturing industries. Kendrick extended the output index developed by Solomon Fabricant (Employment in Manufacturing, 1899-1939, National Bureau of Economic Research).

Following the procedure used by Fabricant, Kendrick has, using a variety of sources, interpolated annual data between the census of manufactures value-added estimates for 1947 and 1954. Indexes of individual industries were combined to obtain the total index by means of the Edgeworth formula using quantity of final products and unit value added. Kendrick has, in addition to making certain adjustments for coverage and continuity, shifted from the original base (1899) to 1929. This index measures output net of intermediate products.

*Source:* Same source as for series A1.



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series 20 Gross Manufacturing Product in 1954 Dollars

This series represents the portion of GNP (series A2) attributable to manufacturing. It is measured at its market value (i.e., includes indirect business taxes) and is net of the value of materials and services manufacturing industries buy. This series has not been revised to reflect the definitional and statistical revisions introduced in the U.S. National Income and Products Accounts by the Office of Business Economics in 1965, and is shown in 1954 dollars.

*Source:* Series A20 is from Survey of Current Business, October 1962, and September 1964, U.S. Department of Commerce, Office of Business Economics.

### Series A21 and A22 Gross Farm Product in 1929 and 1958 Dollars

These series measure the gross output of the agricultural sector of the economy. Series A22, as defined by the Department of Commerce, was obtained by deducting from the total value of farm output, the value of intermediate products such as fertilizer, purchased feed, and motor fuel. Purchases by one farmer from another and gross rents paid to nonfarm landlords are also deducted as intermediate products. Farm production is thus measured without duplication and it is "gross" only in the sense that depreciation and other capital consumption allowances are not deducted. The total value of output includes (1) cash receipts from farm marketings and Commodity Credit Corporation loans, (2) farm home consumption, (3) net changes in inventories, and (4) gross rental of farm homes. This series is in 1958 dollars.

The Kendrick series (A21) differs from the Department of Commerce series in that Kendrick has not deducted the rents paid to nonfarm landlords and Kendrick's series does not include revisions introduced in the August 1965 Survey of Current Business. This series represents, therefore, the return to capital used in farming irrespective of the location of the owner. This series is expressed in 1929 dollars.

*Sources:* Series A21 is from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series A22 is from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series A23 to A26 Personal Consumption Expenditures and Per Capita Personal Consumption Expenditures in 1929 and 1958 Dollars

These series represent the market value of purchases of goods and services by individuals and nonprofit institutions, as well as the value of food, clothing, housing, and financial services received by them as income in kind. The Department of Commerce series (A24) covers the total purchase cost to persons including general sales taxes. The purchase of a home, which is considered to be a capital good, is excluded from this series. Instead, an estimated rental value to the homeowner is included if he occupies the home. Consumer interest payments are excluded from this series.

Personal consumption expenditures are the sum of three major items: (1) Durable goods (items which generally last 3 years or longer such as automobiles, furniture, etc.), (2) nondurable goods (items with a shorter life than 3 years such as food, clothing, gas, etc.) and (3) services (expenses such as housing, transportation, and shoe repair). This series is expressed in 1958 dollars.

The Kendrick series (A23 in 1929 dollars) is the sum of Kuznets' flow of goods to consumers, Variant III (see series A3) and services rendered by financial intermediaries, except insurance companies, without explicit payment less personal tax and nontax payments. This series was adjusted to a 1929 price base on the basis of broad product groupings rather than detailed product deflators used for the Commerce series. The Kendrick personal consumption series is, however, conceptually comparable with that of the Department of Commerce except for conceptual changes introduced in the 1965 revision (see description for series A1).

Per capita personal consumption expenditures (series A25 and A26) are derived from the two series described above and the total population of the United States (series A106).

*Sources:* For series A23 and A25, see source for series A1. For series A24 and A26, see source for series A2.

### Series A27 and A28 Gross Private Domestic Investment in 1929 and 1958 Dollars

These series measure gross fixed investment and net changes in business inventories. The "gross fixed investment" (or gross fixed capital formation) component includes (1) producers' durable equipment (goods generally lasting longer than 1 year) and (2) structures, including residential nonfarm housekeeping and nonhousekeeping units (such as hotels, motels, and dormitories) acquired by private business or nonprofit institutions. "Structures", refers to private as opposed to public (government) construction based on ownership rather than the source of funds for construction. The "change in inventories" component measures the change in the physical volume of inventories valued at current replacement cost. The Department of Commerce series (A28) is in 1958 dollars.

The Kendrick series (A27) is also on the Department of Commerce conceptual basis (prior to the 1965 revisions) since, for the years before 1929, the author adjusted the Kuznets' estimates (see series A1 to A3) by subtracting public construction from gross construction, public purchases of durable equipment (including munitions) from gross producers' durables, and net changes in inventories of monetary metals from net changes in business inventories.

After 1929, Kendrick accepts the current-dollar estimates of the Department of Commerce but converts them to 1929 dollars on the basis of broad product groupings rather than the full product detail used by Commerce.

*Sources:* For series A27, see source for series A1. For series A28, see source for series A2.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series A29 and A30 Gross Fixed Business Investment in 1929 and 1958 Dollars

Series A29 and A30 consist of producers' durable equipment and new nonresidential structures. Kuznets' series (A29), which also includes new residential farm construction, is in 1929 dollars and is a 5-year moving average of annual estimates. The Commerce data (series A30) are in 1958 dollars and are annual estimates.

*Sources:* For series A29, see source for series A3. For series A30, see source for series A2.

### Series A31 and A32 Net Exports of Goods and Services in 1929 and 1958 Dollars

These series measure the excess of exports of goods and services over imports. Exports include both domestic output sold abroad and production abroad credited to U.S. owned resources. Imports include U.S. purchases of foreign output and production in the United States credited to foreign owned resources. This measure is equivalent to the net change in international assets and liabilities, including the monetary gold stock, arising out of these current international flows. Series A31 includes net unilateral transfers.

*Sources:* Series A31 is from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. This series was developed by Simon Kuznets, (Capital in the American Economy, Its Formation and Financing, National Bureau of Economic Research) using Commerce Department data for the years since 1929. For series A32, see source for series A2.

### Series A33 to A36 Government Purchases of Goods and Services in 1929 and 1958 Dollars

Series A34, as defined by the Department of Commerce, measures total government purchases of goods and services exclusive of current outlays of government enterprises, transfer payments (such as social security), government interest paid to domestic creditors, subsidies, and loans. Included are general government expenditures for compensation of employees, purchases from business (net of sales by government), net government purchases from abroad, government interest payments to foreign creditors, the gross investment of government enterprises, and payments to private nonprofit institutions for research and development.

Prior to 1929, Kendrick's estimates of Federal Government purchases are mainly from the Annual Report of the Secretary of the Treasury adjusted to conform to the Department of Commerce series (A34). The Treasury estimates were also converted from a fiscal-year to a calendar-year basis by Kendrick. Kendrick's estimates for State and local purchases (not shown separately) are annual interpolations between estimates prepared by the Governments Division of the Bureau of the Census.

For the Office of Business Economics' series (A34), Federal (A35) and State and local (A36), government purchases are shown separately.

*Sources:* For series A33, see source for series A1. For series A34 through A36, see source for series A2.

### Series A37 and A38 Personal Income

Series A38 consists of the total of wages, salaries, and other labor income, income of unincorporated enterprises, dividends, transfer payments to persons (such as Social Security), interest, and rental income of persons. Personal income differs from national income in that the former excludes undistributed corporate profits, corporate tax liability and inventory valuation adjustment, contributions for social insurance, and the excess of wage accruals over disbursements; it includes net interest paid by government and consumers and business and government transfer payments to persons.

The Goldsmith-Kendrick series (A37) was constructed by adjusting Kendrick's current-dollar GNP estimates (series A7) for items accounting for the difference between GNP and personal income. The adjustment items were estimated by Raymond W. Goldsmith (A Study of Saving in the United States, Vol. III). The Kendrick GNP estimates and the Goldsmith adjustment items conform, for the most part, to the Commerce Department concepts and definitions.

*Sources:* Series A37 is from Historical Statistics of the United States, Colonial Times to 1957; U.S. Department of Commerce, Bureau of the Census. For series A38, see source for series A2.

### Series A39 to A42 Disposable Personal Income in Current and 1958 Dollars and Per Capita Disposable Personal Income in 1958 Dollars

Total disposable personal income (series A39 and A40) measures the portion of total personal income (series A37 and A38) which is available for consumption or saving. That is, it is personal income less personal taxes and other payments to government such as license fees and inspection fees.

The Goldsmith-Kendrick series (A39) was constructed by adjusting Kendrick's current-dollar GNP estimates (series A7) for the items accounting for the difference between GNP and disposable personal income. The adjustment items were estimated by Raymond W. Goldsmith (A Study of Saving in the United States, Vol. III). The Kendrick GNP estimates and the Goldsmith adjustment items conform, for the most part, to the Commerce Department concepts and definitions.

Disposable income is deflated to dollars of 1958 purchasing power (series A41) by the Office of Business Economics using the implicit price deflator for personal consumption expenditures (series B66).

Per capita disposable personal income in 1958 dollars (series A42) is a measure of the real purchasing power per person.

*Sources:* Series A39 is from Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census. For series A40 and A41, see source for series A2. Series A42 is from Economic Indicators, Council of Economic Advisers. Data before 1954, however, were computed by dividing series A41 by series A106, the population of the United States.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series A43 to A47

#### Percent Distribution of Family Personal Income by Quintiles of Consumer Units

These series measure the percentage of total current-dollar family personal income (before Federal income taxes) which is received by the lowest (series A43) to the highest (series A47) quintiles of consumer units. Consumer units, which include both families and unattached individuals, are ranked in quintiles by their family personal income level.

Family personal income differs slightly from personal income (series A38) in that the former excludes certain items which do not flow to consumer units. Family personal income does include, however, imputed as well as money income.

*Sources:* Data for 1935-36 are from "Size Distribution of Income Since the Mid-Thirties," by Selma Goldsmith, George Jaszi, Hyman Kaitz, and Maurice Liebenberg in The Review of Economics and Statistics, February 1954, Harvard University Press, (Used by permission. These series may not be reproduced without written permission from the publisher.) Data for 1944, 1946, and 1947 are from Income Distribution in the United States, 1944-1950, U.S. Department of Commerce, Office of Business Economics. The latter publication also gives a detailed description of the types of income included. The remaining data are from the Survey of Current Business, Office of Business Economics.

### Series A48 to A53

#### Percent Distribution of Consumer Units by Level of Family Personal Income in 1954 Dollars

These series measure the percentage of total consumer units (families and unattached individuals) whose real annual income before taxes, measured in 1954 dollars, is within the following brackets: Under \$2,000 (series A48); \$2,000 to \$3,999 (series A49); \$4,000 to \$5,999 (series A50); \$6,000 to \$7,499 (series A51); \$7,500 to \$9,999 (series A52); and \$10,000 and over (series A53). See series A43 to A47 for a description of family personal income.

*Source:* Series A48 to A53 are from Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series A54 to A58

#### Percent Distribution of National Income by Type of Income

These series measure the percentage of total national income (series A10 for 1929 to date) which represent employee compensation (series A54), proprietors' income (series A55), rental income of persons (series A56), corporate profits before taxes and inventory valuation adjustment (series A57), and net interest (series A58).

Compensation of employees (series A54) includes income accruing to persons in an employee status as wages and salaries, tips, bonuses, commissions, vacation pay, and payments in kind. Also included are supplements and fringe benefits such as employer contributions to private pension, health, and welfare funds.

Proprietors' income or income of unincorporated businesses (series A55) includes earnings of sole proprietor-

ships partnerships, and producers' cooperatives deriving from current business operations. Capital gains and losses are excluded and no depletion charges are deducted.

Rental income of persons (series A56) includes the money income accruing to persons (except those engaged primarily in the real estate business) from the rental of real property. This series also includes the imputed net rental returns for owner-occupied nonfarm residential structures and royalties received by persons from patents, copyrights, and rights to natural resources.

Corporate profits before taxes (series A57) represent the earnings of corporations organized for profit. Depletion charges are not deducted and capital gains and losses are not included. An inventory valuation adjustment is included beginning with 1929.

Net interest (series A58) represents the total monetary and imputed, private and government interest accruing to persons and governments in the United States minus the total interest paid out by the U.S. governments. Imputed interest is not included before 1929 and consumer interest payments are excluded beginning with 1930.

The percentages in table 1, prepared by D. Gale Johnston, are decade averages. The author used the following sources for the period before 1929: Simon Kuznets, National Income and Its Composition, 1919-1938, National Bureau of Economic Research; Willford I. King, The National Income and Its Purchasing Power, National Bureau of Economic Research; and Robert F. Martin, National Income in the United States, National Industrial Conference Board.

*Sources:* Series A54 to A58 are from D. Gale Johnston, "The Functional Distribution of Income in the United States," Review of Economics and Statistics, May 1954, Harvard University Press. Johnston's decade averages were extended from 1930 to the present using national income data from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics. (The 1900-29 data are used by permission. These series may not be reproduced without written permission from the publisher.)

### Series A59, A60, A63, and A65

#### Indexes of Input, Indexes: 1929 = 100

These indexes are measures of labor (series A63), capital (series A65), and total input (series A59 and A60) in the private domestic economy. They attempt to measure what these resources would have produced if technological and other conditions of efficiency had remained the same as in the base period.

The labor input index was derived by weighting man-hours worked in various industries by the average hourly compensation in each industry.

The capital input index was derived by weighting real net capital stock (land, structures, equipment, and inventories) for each industry by base-period rates of return.

The index of total input (weighted, series A59) was derived by combining the labor and capital input indexes, weighting them by their respective factor prices.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

An alternative index of total input, (unweighted, series A60) is also shown. This series was derived by combining unweighted man-hours (series A68) and unweighted real capital stock using fixed weights based on factor prices in 1929. This is not strictly an unweighted index, since labor and capital represent unlike quantities, but it represents the minimum weighting possible.

*Source:* Series A59, A60, A63 and A65 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research.

**Series A61, A62, A64, A66, and A67**  
**Indexes of Input, Indexes: 1929 = 100**

These series are indexes of labor, capital, and total input in the national economy.

The index of labor input (series A64) was derived by adjusting the quantity of labor input (man-hours) for changes in quality resulting from the reduction of normal working hours, the increased formal education of adult males, changes in age-sex composition of the labor force, and changes in the value of women's work relative to that of adult men. This series is thus an approximation to the quantity of labor input adjusted to include changes in quality.

The indexes of capital input (series A66 and A67) were derived by weighting real stock for five separate types of capital goods (business structures and equipment, nonfarm residential structures, inventories, assets abroad owned by U.S. residents, and assets in the United States owned by foreigners) by their respective shares of national income and combining them into an index of total capital input. In constructing series A66, the weights were changed each 5 years, and for A67, the same weights were used throughout the period.

The indexes of total input (series A61 and A62) were derived by weighting the quantity of labor, land (which was assumed constant throughout the period), and capital by their respective shares of national income. For series A61, the weights were changed each 5 years, and the capital index also constructed in this manner (series A66) was used. Series A62 was constructed by weighting the inputs by their average income share for the entire period.

*Source:* Series A61, A62, A64, A66, and A67 are from Edward F. Denison, The Sources of Economic Growth in the United States and the Alternatives Before Us, Committee for Economic Development.

### LABOR FORCE, EMPLOYMENT, AND MAN-HOURS (Series A68 to A113)

*General Note:* Two different sets of figures are used for these series: Labor force data collected for the Bureau of Labor Statistics (BLS) by the Census Bureau and establishment data collected by BLS.

Labor force data are estimated by the Census Bureau from its monthly sample household survey which is designed to represent all persons 14 years and older in the United States, except those living in institutions or in the Armed Forces. The survey provides estimates of the labor force, employment, and unemployment as well as broad components within these aggregates.

Instituted in March 1940, the household survey is taken during the week containing the 12th of each month (prior to July 1955, the 8th of each month). For years before 1940, the estimates have been derived using the 1930 and 1940 Censuses of Population and employment trends from BLS and Department of Agriculture series.

The labor force estimates cover only hours actually worked by all persons and include wage and salary employees, the self-employed, and unpaid family workers.

Establishment data are collected by the BLS from reports of employing establishment and provide more industrial detail on employment and average hours than do the labor force data. Establishment data measure hours paid for (i.e., include hours paid by the employer for sick leave, holidays, and vacations as well as for work). The establishment survey does not cover agricultural employment, the self-employed, or unpaid family workers.

**Series A68, A70, A73, and A75**  
**Man-Hours, Indexes: 1929 = 100**

These series measure man-hours in the total private economy (series A68), in nonagricultural industries (series A70), in manufacturing (series A73), and in agriculture (series A75).

Kendrick derived these series by multiplying his estimates of employment (see series A83) by average weekly hours worked and by 52 weeks for each of various industrial groups and summing them up to the appropriate aggregates.

Both labor force and establishment data were used by Kendrick in estimating weekly hours and employment.

*Source:* Same sources as for series A59.



## SERIES DESCRIPTIONS AND SOURCES — CONTINUED

Series A69, A71, and A76

Man-Hours—Labor Force Data, Indexes: 1957-59 = 100

These series measure annual man-hours worked in the total private economy (series A69), the nonagricultural industries (series A71), and in agriculture (series A76).

The employment figures based on labor force data (series A80 and A86) were used, except that estimates of general government employees were subtracted from the estimates of nonagricultural employment.

The man-hours data are then derived by multiplying employment by average weekly hours (based on labor force data) and 52 weeks.

*Source:* Series A69, A71, and A76 are from U.S. Department of Labor, Bureau of Labor Statistics.

Series A72 and A74

Man-Hours—Establishment Data, Indexes: 1957-59 = 100

These series measure annual man-hours in the nonagricultural industries of the private economy (series A72) and in manufacturing (series A74) and are based on the establishment data for employment and average hours collected by BLS.

The BLS employment data (series A88 and A90) are adjusted to exclude general government employees and to include active proprietors of unincorporated businesses, unpaid family workers, domestics, and employees of government enterprises. Also, the average hours data collected by BLS were supplemented with labor force data.

The man-hours data are then derived by multiplying employment by average weekly hours and 52 weeks.

*Source:* Series A72 and A74 are from U.S. Department of Labor, Bureau of Labor Statistics.

Series A77 to A80, A85, and A86  
Employment—Labor Force Data

Series A77 and A78 measure total employment including members of the Armed Forces; series A79 and A80 measure total civilian employment, and series A85 and A86 measure nonagricultural employment. These series are based on the labor force data collected by the Census Bureau.

The employed consist of all persons 14 years of age and older who, during the survey week (1) did any work for pay or profit or worked at least 15 hours without pay on a family farm or business, or (2) were temporarily away from work due to illness, vacation, labor dispute, bad weather, etc.

Persons holding more than one job are counted in the job at which they worked the most number of hours.

Series A77, A79, and A85 were developed by Lebergott to be as comparable as possible with the series based on labor force data published by BLS.

*Sources:* Series A77, A79, and A85 are from Stanley Lebergott, *Manpower in Economic Growth*, copyright 1964, McGraw-Hill Book Co. (Used by permission. These series may not be reproduced without written permission from the publisher.) Series A78, A80, and A86 are from *Employment and Earnings and Monthly Report on The Labor Force*, U.S. Department of Labor, Bureau of Labor Statistics.

Series A81 to A84

Persons Engaged in National and Private Economy

Series A81 and A82 measure employment in the national economy while series A83 and A84 refer to the private domestic economy (i.e., they exclude general government employees and residents of the United States employed by foreigners).

These series measure total employed persons reduced to full-time equivalents (i.e., part-time workers are converted to a full-time basis) in all industries. Included are all persons working for wages or salaries and active proprietors of unincorporated enterprises devoting most of their time to the business.

For years since 1929, Kendrick's estimates differ from those of the Department of Commerce because he includes estimates of unpaid nonfarm family workers and substitutes Department of Agriculture estimates of farm employment (which include unpaid family workers) for those used by the Commerce Department.

*Sources:* Series A81 and A83 are from same source as series A59. Series A82 and A84 are from *Survey of Current Business*, U.S. Department of Commerce, Office of Business Economics.

Series A87 to A90

Nonagricultural and Manufacturing Employment—Establishment Data

Series A87 and A88 measure the number of persons on nonagricultural payrolls excluding the Armed Forces, and series A89 and A90 measure the number of persons employed in manufacturing, the largest industrial division of nonagricultural employment.

Persons employed are those on establishment payrolls who received pay for any part of the pay period containing the 12th of the month or, for Federal employees, those who occupied a position at the end of the month. Persons are considered employed if they are receiving paid sick leave (except sick leave compensated for under insurance programs), holiday or vacation pay, or who work for part of the pay period and are unemployed or on strike for the rest of the period. Persons laid off, on leave without pay, on strike for the whole period, or hired but will not start work during the pay period are not included. Also excluded are the self-employed, unpaid family workers, and domestics.

Persons holding more than one job are counted more than once.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

Series A87 and A89 were developed by Lebergott to be as comparable as possible with the series based on establishment data published by BLS.

Sources: A87 and A89 are from Stanley Lebergott, Manpower in Economic Growth, copyright 1964, McGraw-Hill Book Co. (Used by permission. These series may not be reproduced without written permission from the publisher.) Series A88 and A90 are from Employment and Earnings and Monthly Report on the Labor Force, U.S. Department of Labor, Bureau of Labor Statistics.

### Series A91 to A105 Occupational Distribution of Experienced Civilian Labor Force

These series show the composition of the experienced civilian labor force by major occupation groups. The experienced civilian labor force includes the employed, who are classified according to their current job, and the unemployed, who are classified according to their last civilian job, but does not include unemployed persons who never held a full-time civilian job.

First are shown four aggregates: (1) farm workers (series A91); (2) manual workers (series A92); (3) white-collar workers (series A93); and (4) service workers (series A94). Next are shown the major occupation groups for these four aggregates: (1) farmers and farm managers (series A95), and farm laborers and foremen (series A96) for farm workers; (2) craftsmen, foremen and kindred workers (series A97); operatives and kindred workers (series A98), and laborers, except farm and mine (series A99) for manual workers; (3) professional, technical, and kindred workers (series A100), managers, officials and proprietors, except farm (series A101), clerical and kindred workers (series A102), and sales workers (series A103) for white-collar workers; and (4) private household workers (series A104) and service workers, except private household (series A105) for service workers.

Sources: Series A91 to A105, for 1900 to 1940, are from David Kaplan and M. Claire Casey, Occupational Trends in the United States, 1900-1950, Bureau of the Census Working Paper No. 5. For 1947 to 1960, series are from Labor Force, Employment, and Unemployment Statistics, 1947-61, October 1962, and for 1961 to 1964, Special Labor Force Report No. 52, Monthly Labor Review, April 1965, U.S. Department of Labor, Bureau of Labor Statistics.

### Series A106 Population of the United States

This series measures total population of the United States as of July 1 of each year. For 1930 to date, Armed Forces stationed overseas are included, and prior to 1930 are excluded.

Sources: For 1860 to 1899, data are based on linear interpolation between census years by the Bureau of the Census and for 1900 to date, data come from Current Population Reports, U.S. Department of Commerce, Bureau of the Census.

### Series A107 Farm Population

This series measures the number of persons living on farms, regardless of occupations. Since 1960, farm population has been defined as all persons living in rural places of 10 acres or more and selling at least \$50 worth of agricultural products during the year, or those living on less than 10 acres but selling at least \$250 worth of farm products during the year. Prior to 1960, farm residence was determined on the basis of the respondents reply as to whether or not his house was on a farm (or ranch). Data are for April 1 of each year.

Source: Series A107 is from Farm Population, U.S. Department of Agriculture, Economic Research Service, Decennial data for 1880 to 1900 are from Farm Population 1880-1950, Leon E. Truesdell, Bureau of the Census Technical Paper No. 3, U.S. Department of Commerce.

### Series A108 to A111 Total Labor Force

Series A108 and A109 measure the total labor force including members of the Armed Forces and series A110 and A111 measure the civilian labor force.

The civilian labor force is the sum of the employed and the unemployed persons 14 years of age and over. See series A78 for a description of persons considered employed and series B2 for persons unemployed.

Series A108 and A110 were developed by Lebergott to be as comparable as possible with series A109 and A111 published by BLS.

Sources: Series A108 and A110 are from Stanley Lebergott, Manpower in Economic Growth, copyright 1964, McGraw-Hill Book Co. (Used by permission. These series may not be reproduced without written permission from the publisher.) Series A109 and A111 are from Employment and Earnings and Monthly Report on the Labor Force, U.S. Department of Labor, Bureau of Labor Statistics.

### Series A112 and A113 Female Labor Force

These series measure the number of females 14 years of age and older, who are either employed, unemployed, or in the Armed Forces. See series A78 for a description of persons considered employed and series B2 for those considered unemployed.

Sources: Decennial data for series A112 are from John D. Durand, The Labor Force in the United States, 1890-1960, Social Science Research Council. Series A113 is from Employment and Earnings and Monthly Report on the Labor Force, U.S. Department of Labor, Bureau of Labor Statistics.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series A114 to A119

#### Percent Distribution of the Population of the United States by Age

These series show the annual percentage of the total population of the United States in selected age groups: Under 14 (series A114); 14 to 19 (series A115); 20 to 24 (series A116); 25 to 44 (series A117); 45 to 64 (series A118); and 65 and over (series A119). The total population is that residing in continental United States as of July 1 of each year from 1900 to 1939; for 1940 to date it also includes the Armed Forces stationed abroad. Beginning with 1950, total population includes Alaska and Hawaii.

*Sources:* Series A114 to A119 are from Current Population Reports, Series P-25, U.S. Department of Commerce, Bureau of the Census.

### Series A120 and A121

#### Birth Rate

These series measure the number of live births per 1,000 population of the United States.

The data for 1860, 1880, and 1900 were prepared by Sheldon on the basis of decennial census statistics on the number of children in various age groups.

For 1909 to 1939, data are from the National Center for Health Statistics and are based on the total resident population of the United States (the population for 1917 to 1919 includes Armed Forces overseas). Data for 1909 to 1914 are for the 10 original registration States. The 1915 to 1932 data, however, have been adjusted by P. K. Whelpton to represent the entire United States (see "Births and Birth Rates in the Entire United States, 1909-1948," Vital Statistics--Special Reports, Vol. 33, No. 8, 1950). Data for 1940 to date are published by the Census Bureau and differ from those published by the National Center for Health Statistics by the inclusion of Armed Forces abroad and estimates for Hawaii and Alaska in the population base.

*Sources:* Series A120, for the years 1860 to 1900, is from Henry D. Sheldon, The Older Population of the United States, for the Social Science Research Council in cooperation with the U.S. Department of Commerce, Bureau of the Census. Series A121, for the years 1909 to 1939, is from Vital Statistics of the United States, 1963, Vol. I, Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics, and for the years 1940 to date, from Current Population Reports, Series P25, No. 331, Department of Commerce, Bureau of the Census.

### Series A122 and A123

#### Death Rates

These series are measures of the number of deaths per 1,000 population of all ages (series A122) and the number of deaths in the resident population 15 to 64 years of age per 1,000 population in that age group (series A123).

Data for series A122 for 1900 to 1939 are published by the National Center for Health Statistics and based on the total resident population of conterminous United States. Only 10 States were included in the death registration area in 1910, but this number increased gradually until 1933 when 48 States were included. Data for 1940 to date were published by the Census Bureau and differ from those published by the National Center for Health Statistics by the inclusion of Armed Forces

abroad and estimates for Hawaii and Alaska in the population base.

*Sources:* Series A122, for the years 1900 to 1939, is from Vital Statistics of the United States, 1963, Vol. II, Department of Health, Education, and Welfare, Public Health Service, National Center for Health Statistics. For 1940 to date, data are from Current Population Reports, Series P25, No. 331, U.S. Department of Commerce, Bureau of the Census. Series A123 was computed at the Census Bureau by dividing total deaths for ages 15 to 64 (from Vital Statistics of the United States, various years) by total resident population age 15 to 64 (Current Population Reports, Series P25). Alaska is included beginning in 1959 and Hawaii beginning in 1960.

### Series A124 and A125

#### Immigration Rate

Series A124, covering the period 1860 to date, represents total immigration to the United States per 1,000 population of the United States (series A106). An immigrant is defined as an alien, other than a returning resident alien, admitted for permanent residence. This definition has generally been in use since 1889; before that year different concepts were used (see source cited below).

Series A125 represents net civilian immigration to the United States per 1,000 population (series A106 plus estimates for Hawaii and Alaska in all years). This series measures the change in population attributable to immigration and is not strictly comparable with series A124.

*Sources:* Immigration data for series A124 are from Annual Report, U.S. Department of Justice, Immigration and Naturalization Service. Series A125 is from Current Population Reports, Series P25 No. 331, U.S. Department of Commerce, Bureau of the Census.

### Series A126 and A127

#### Stock of Civilian Tangible National Wealth in 1947-49 Dollars

These two series measure the value of all tangible civilian assets situated in the United States plus net foreign balances. Series A126 measures the real gross stock of wealth and carries assets at their original cost while series A127 measures the real net stock of assets at their original cost less accrued depreciation.

The stock of tangible civilian assets includes reproducible private business wealth (series A128), government civilian assets (series A133), private residential structures (series A134), private land (series A135), and consumer durables (series A136).

Assets are included in these series until their estimated useful life is completed. The estimates of most components of reproducible wealth are estimated by the perpetual inventory method by which past expenditures are cumulated, allowing for depreciation based on an assumed average length of life for each particular type of asset. The author states that neither the net nor gross estimates are direct measures of the productive capacity of the stock, but that such a measure will usually lie somewhere between the net and gross esti-

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

mates. Data are available annually for 1945 to 1958 and for benchmark years since 1900. "Two values for 1945—usually differing but little—are shown. The first of these... is comparable with... estimates back to 1900; the second belongs to the set of annual estimates for the postwar period."

*Source:* Series A126 and A127 are from Raymond Goldsmith, National Wealth of the United States in the Postwar Period, National Bureau of Economic Research.

### Series A128 to A132 Net Reproducible Private Business Wealth in 1947-49 Dollars

Series A128 measures the total reproducible wealth owned by corporations, unincorporated businesses, and farms. This stock of wealth is composed of nonfarm producer durables (series A131), nonresidential nonfarm structures (series A129), agricultural equipment and nonresidential structures (series A132), private inventories (series A130) and monetary metals.

Depreciation for nonfarm producer durables is based primarily on Bulletin F of the Internal Revenue Service. For nonfarm nonresidential structures, straight-line depreciation estimates were based on an average life of 40 years for industrial and commercial structures and 50 years for public utility structures. Straight-line depreciation estimates, based on an average life of 45 years for service buildings and 15 years for farm machinery and tractors, were used for farm equipment and structures. Inventories were deflated by the wholesale price indexes and various agricultural price indexes.

*Source:* Same source as for series A126 and A127.

### Series A133 Net Stock of Government Civilian Assets in 1947-49 Dollars

This series measures the net stock of structures, land, producer durables, inventories, monetary metals, and net foreign assets, owned by the Federal and State and local governments. Straight-line depreciation estimates were based on an average life of 50 years for structures, 30 years for highways, and 12 years for producers' durables.

*Source:* Same source as for series A126 and A127.

### Series A134 Net Stock of Private Residential Structures in 1947-49 Dollars

This series measures the net stock of private residential structures of which nonfarm households compose over 80 percent. Straight-line depreciation estimates were based on an average life of 80 years for one-to-four family nonfarm homes and 65 years for multifamily dwellings.

*Source:* Same source as for series A126 and A127

### Series A135 Net Stock of Private Land in 1947-49 Dollars

This series measures the value of the stock of private agricultural, residential, and nonresidential land. The estimated value of nonagricultural land is based on average ratios of land values to the values of structures on the land. Agricultural land values were based on census data.

*Source:* Same source as for series A126 and A127.

### Series A136 Net Stock of Consumer Durables in 1947-49 Dollars

This series measures the depreciated stock of consumer durables. Coverage is similar to that used by the Office of Business Economics in the Survey of Current Business. Depreciation estimates were based on an average life ranging from 4 years for ophthalmic products and orthopedic appliances to 15 years for furniture, passenger cars, and jewelry and watches.

*Source:* Same source as for series A126 and A127.

### Series A137 Net Reproducible Business Wealth Per Person Engaged, Index: 1947-49 = 100

This series is the ratio of net reproducible private business wealth (series A128) to persons engaged in the private sector of the economy. For 1929 to 1958, OBE's estimates of total persons engaged (series A82) less all government employees were used and prior to 1929, comparable figures were estimated on the basis of Kendrick's data (series A83) assuming that unpaid household workers and employees of government enterprises comprised 4 percent (as they did in 1929) of total persons engaged.

*Sources:* Data for persons engaged prior to 1929 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. For 1929 to 1965, data for persons engaged are from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics. Data for net reproducible business wealth are from Raymond Goldsmith, National Wealth of the United States in the Postwar Period, National Bureau of Economic Research.

### Series A138 Net-Gross Stock Ratio of Private Producer Durables

This series is defined as the ratio of the net value to the gross value of producer durables owned by corporations, unincorporated businesses, and farms. This ratio indicates the proportion of the life of private producer durables still available for use in production.

*Source:* Same source as for series A126 and A127.

### Series A139 Net-Gross Stock Ratio of Private Nonresidential Structures

This series is the ratio of the net value to the gross value of nonresidential structures, owned by unincorporated busi-



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

nesses, corporations, and farms. This ratio indicates the proportion of the life of nonresidential structures still available for use in production.

*Source:* Same source as for series A126 and A127.

### Series A140 to A145 Stock of Fixed Business Capital in 1954 Dollars

These series measure the total stock of fixed business capital. They are obtained by the perpetual inventory method; i.e., by cumulating annual investment expenditures based on assumed service lives of structures and equipment.

Series A140, A142, and A144 are based on service lives published in the Internal Revenue Service's Bulletin F, 1942, and Series A141, A143, and A145 are based on service lives 20 percent shorter than those of Bulletin F.

Series A140 and A141 are measures of gross stocks and series A142 to A145, are measures of net stock.

Two different methods of depreciation were used for the net stock series. Series A142 and A143 assume straight-line depreciation and series A144 and A145 assume the double declining balance method whereby an asset is depreciated at twice the straight-line rate of depreciation in the first year and the same rate is applied in succeeding years.

These series are described as being useful in viewing the effect of alternative service lives and depreciation schedules, but probably not as useful for detailed analysis of components as other studies conducted on a less aggregate basis.

*Source:* George Jaszi, Robert Wasson, Lawrence Grose, "Expansion of Fixed Business Capital in the United States," Survey of Current Business, November 1962, U.S. Department of Commerce, Office of Business Economics.

### Series A146 Capacity for Manufacturing Industries, Index: December 1950 = 100

This series shows the growth of manufacturing capacity as compared with capacity in the base period. It is based upon replies to the annual McGraw-Hill survey in which businessmen are asked to report expected changes in the physical volume of their capacity. From these replies capacity indexes for 15 manufacturing industries are compiled and then weighted by the 1957 value-added weights used in the manufacturing component of the Federal Reserve index of industrial production.

This series measures the capacity in terms of plant and equipment and assumes a given supply of labor, materials, and competent management. In other words, increasing or decreasing manpower and materials are not taken into account. This method is considered an engineering concept as opposed to an economic concept which allows for costs, demand, and alternative uses of resources.

*Source:* McGraw-Hill, Department of Economics, Business' Plans for New Plants and Equipment, 1966-1969, and earlier issues.

### Series A147 Manufacturing Capacity Index

This series measures the changes in manufacturing capacity. Three separate series are used to estimate manufacturing capacity: (1) the McGraw-Hill utilization rate (series B33) divided into the end-of-year index of industrial production for manufacturing (average of unadjusted indexes for December and January); (2) the McGraw-Hill capacity index (series A146); and (3) the Commerce Department estimates of fixed capital stock in 1954 dollars.

These three series are used in combination in order to reduce short-term random influences and other biases. Two regressions are computed with the first measure as a dependent variable and the second and third measures, respectively, and time (with 1955 = 1) as independent variables. Subsequent averaging of the estimated values of the dependent variables provides the final capacity measure.

Additional information concerning these series may be found in Frank de Leeuw's "The Concept of Capacity," Journal of the American Statistical Association (December 1962, volume 57) and in "Manufacturing Capacity Measures and Current Economic Analysis," by Peter Gajewski Proceedings of the Business and Economics Section, American Statistical Association, 1964. This series is measured as a percent of the 1957-59 average output.

*Sources:* Data are computed by the Board of Governors of the Federal Reserve System and published in The Annual Report of the Council of Economic Advisers, January 1966.

### Series A148 and A149 Number of Operating Businesses

Series A148 measures the number of business firms in operation as of January 1 of each year (data for 1929 to 1940 are averages of end-of-quarter estimates). A firm is defined by the Office of Business Economics as a financially responsible business organization under one management with an established place of business which may control one or more plants or outlets although corporate subsidiaries and the parent corporations are counted separately. All nonfarm businesses, regardless of size, and all self-employed persons with either a place of business or one or more paid employees are included. Professional practices (doctors, lawyers, etc.) are not considered business firms.

Series A149, is the total of listed concerns in the Dun and Bradstreet Reference Book. This book includes manufacturers, wholesalers, retailers, building contractors, and certain types of commercial services. This series is not as broad in coverage as series A148. The specific types of business not covered are finance, insurance, real estate companies, railroads, terminals, amusements, many types of small service and construction enterprises, professional practices, and farmers. Data represent the number of firms in existence as of July 1 of each year.

*Sources:* Series A148 is from Business Statistics and the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics. Series A149 is from Dun and Bradstreet Reference Book and Failure Statistics.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

**Series A150, A152, and A154**  
**Indexes of Productivity, Indexes: 1929 = 100**

These series are measures of total productivity (series A150), labor productivity (series A152), and capital productivity (series A154). Kendrick derived these series by dividing gross private domestic product (series A13) by appropriate indexes of input (series A59, A63 and A65).

Total factor productivity measures the net change in the productive efficiency of the economy, and the labor and capital productivity indexes measure the efficiency with which these two inputs are utilized individually.

*Source:* Series A150, A152, and A154 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research.

**Series A151, A153, and A155**  
**Indexes of Productivity, Indexes: 1929 = 100**

These series are measures of total productivity (series A151), labor productivity (series A153) and capital productivity (series A155). They were derived by dividing gross national product (in 1954 dollars) by appropriate indexes of input (series A61, A64, and A66).

As described by Denison, these series show changes in the output produced by a unit of input as a result of increasing scientific, technological, and managerial knowledge, changes in the efficiency of the economy, economies and diseconomies of scale, and all other influences not measured in the input indexes.

*Source:* Series A151, A153, and A155 are from Edward F. Denison, The Sources of Economic Growth in the United States and the Alternatives Before Us, Committee for Economic Development.

**Series A156, A162, A165, and A167**  
**Output Per Man-Hour, Indexes: 1929 = 100**

These series are productivity indexes for the total private domestic economy (series A156), the nonagricultural (series A162) industries, manufacturing (series A165), and agriculture (series A167).

Kendrick derived these series by dividing appropriate output series (A13, A17, A19 and A21) by corresponding series of man-hours (A68, A70, A73, and A75).

*Source:* Series A156, A162, A165, and A167 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research.

**Series A157, A163, A164, A166 and A168**  
**Output Per Man-Hour, Indexes: 1957-59 = 100**

These series represent measures of labor productivity for the total private economy (series A157), the nonagricultural industries (series A163 and A164), manufacturing (series A166), and agriculture (series A168).

BLS has derived these series by dividing the appropriate output series (A14, A18, A20, and A22 but including output originating in the rest of the world sector except for manufacturing) by corresponding estimates of man-hours (A69, A71, A72, A74, and A76).

*Source:* Series A157, A163, A164, A166, and A168 are from U.S. Department of Labor, Bureau of Labor Statistics.

**Series A158 and A159**  
**Output Per Employee, in 1929 and 1958 Dollars**

These series represent measures of labor productivity and are derived by dividing GNP by total employment including members of the Armed Forces.

Series A158 is GNP in 1929 dollars (series A1) divided by total employment (series A77 and A78).

Series A159, covering the period 1929 to date, is GNP in 1958 dollars (series A2) divided by total employment (series A78).

*Sources:* GNP data for series A158 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research, and for series A159 from Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

Employment data for series A158 are from Stanley Lebergott, Manpower in Economic Growth, McGraw-Hill Book Co., and for A159, from Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics.

**Series A160 and A161**  
**Output Per Person Engaged, In 1929 and 1958 Dollars**

These series are a measure of labor productivity and are obtained by dividing gross private domestic product by persons engaged in the private domestic economy.

Series A160, covering the period 1890 to 1957, is gross private domestic product in 1929 dollars (series A13) divided by persons engaged in the private economy (series A83).

Series A161, covering the period 1929 to date, is gross private domestic product in 1958 dollars (series A14) divided by persons engaged in the private domestic economy (series A84).

*Sources:* Data for series A160 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Data for series A161 are from Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

**Series B1 to B3**  
**Unemployment Rates (Labor Force Data)**

These series measure the total number of unemployed as a percent of the total civilian labor force (series B1 and B2) and the number of unemployed married men with wives present as a percent of their labor force (series B3).

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

For series B2 and B3, persons classified as unemployed are those 14 years of age and older, who, during the survey week (week containing the 12th of each month; prior to July 1955, the 8th of each month) did no work at all but were looking for work or would have been looking for work if they weren't temporarily ill or if they believed work was available in their line or community.

Series B1 was developed by Lebergott to be as comparable as possible with the BLS series (B2). Lebergott derived his series on unemployment by making direct benchmark estimates of unemployment in 1900, 1910, and 1930, using the population census data in those years. Then intercensal estimates were obtained by estimating the civilian labor force (series A110) and employment (series A79) and deducting one series from the other.

*Sources:* Series B1 is from Stanley Lebergott, Manpower in Economic Growth, copyright 1964, McGraw-Hill Book Company (Used by permission. This series may not be reproduced without written permission from the publisher.) Series B2 and B3 are from Employment and Earnings and Monthly Report on the Labor Force, U.S. Department of Labor, Bureau of Labor Statistics.

### Series B4 and B5 Actual and Potential Average Annual Hours Per Employee

These series measure the actual (series B4) and the potential (series B5) average annual hours per employee in the national economy. Actual average annual hours per employee (series B4) was derived by dividing Kendrick's estimates of man-hours (a series comparable to A68 but which includes government employees, civilian, and military) by his estimates of persons engaged (series A81).

Potential average annual hours per employee series (B5) measures normal or standard hours which eliminate the effect of short-run deviations from secular movements, including those related to the business cycle. Knowles developed this series by hand fitting a trend to actual hours (described above) by means of linear interpolations "over short and economically meaningful periods—in each of three sectors—agriculture, private nonfarm, and government." In fitting a curve to this period (1909 to 1958), the author assumed that the long-term movement of hours consisted of "a gradual decline until the thirties, a sharp decline until the late forties and then a slowing down of the decline into the fifties."

*Sources:* Series B4 is based on data from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series B5 is from James W. Knowles, The Potential Economic Growth in the United States, Joint Economic Committee.

### Series B6 to B9 Average Weekly Hours

These series measure the average weekly hours worked per employee in the civilian economy (series B6 and B7), and the average weekly hours worked (B8) and average weekly hours for which pay was received (B9) by nonsupervisory production workers in manufacturing establishments.

Series B7 measures the average weekly hours worked either full time (35 hours or more) or part time (1 to 34 hours) during the survey week (week ending nearest the 12th of the month). Persons holding two or more jobs have their hours credited to the job at which they spend the most time. For a description of sources of data, see the general note for series A68 to A113.

Kendrick's series for average weekly hours in all industries (B6) was developed from his individual industry components relying on the hours-worked concept wherever possible (see the general note for series A68 to A113). These averages have been adjusted to a full-time equivalent basis and include sole proprietors and unpaid family workers.

Series B8, also developed by Kendrick, measures the average length of the workweek for nonsupervisory production workers in manufacturing. The author relied on BLS estimates beginning in 1909, which measure hours paid for rather than hours worked. The difference between the two concepts, however, "is not operationally significant prior to 1939." Also, the author has used the Annual Survey of Manufactures in which man-hours relate to time actually worked for the data since 1947. Average hours estimates were extended to early decades by means of available estimates of the standard, or full-time workweek adjusted to represent hours actually worked by means of a regression between the ratios of actual to full-time average hours and the ratios of employment to labor force in manufacturing.

Series B9 measures the average weekly hours for which pay is received during the pay period containing the 12th of the month, by nonsupervisory production workers in manufacturing. Hours include overtime, holidays, vacations, and sick leave when pay is received directly from the firm.

*Sources:* Series B6 and B8 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Series B7 and B9 are from Employment and Earnings and the Monthly Report on the Labor Force, U.S. Department of Labor, Bureau of Labor Statistics.

### Series B10 to B30 Labor Force Participation Rates

These series indicate the average annual percentage of the total noninstitutional population 14 years of age and older who are in the labor force, by various age-sex components, (data prior to 1947 include the institutional population). Data since 1940 include members of the Armed Forces.

Labor force participation rates are shown for the total population as described above (series B10); the total male population (series B11), males 14 to 19 years, 20 to 24 years, 25 to 44 years, 25 to 34 years, 35 to 44 years, 45 to 64 years, 45 to 54 years, 55 to 64 years, and 65 years and over (series B13 to B21, respectively); the total female population (series B12); and females in the above age groups (series B22 to B30, respectively).

For a description of the labor force, see series A109.

*Sources:* For the total labor force (series B10), data before 1940 are from Stanley Lebergott, Manpower in Economic Growth, McGraw-Hill Book Co. (Used by permission. This

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

series may not be reproduced without written permission from the publisher.) For series B11 through B30, 1890 to 1946 data are from Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census (the decennial data through 1930 were based on previous estimates developed by John D. Durand, The Labor Force in the United States, 1890-1960, Social Science Research Council; data for 1947 to present (beginning 1940 for series B10) are from The Manpower Report of the President and Employment and Earnings and Monthly Report on the Labor Force, both published by the U.S. Department of Labor, Bureau of Labor Statistics.

### Series B31

#### Utilization of Industrial Capacity

This series measures the rate of utilization of capacity in manufacturing, mining, and utilities. It is derived by selecting specific business cycle peaks (for the individual series rather than for general economic activity) for each of 30 major industries included in the Federal Reserve index of industrial production and assuming that the industry is at full capacity (i.e., all available labor and facilities are being used) during the peak period. Linear interpolation between peaks provides a measure of capacity for each industry. Wherever the trend line fitted to the preceding two peaks is exceeded, a new peak is established and a new trend is computed. The ratios of the actual production values to the capacity values are the utilization rates. These ratios for the 30 industries are then averaged using Federal Reserve industrial production weights. Quarterly averages of monthly data are used in computing this series.

The Wharton School capacity measure entails an economic concept since it is conditioned by the aggregate output of the economy and consequently by costs of labor and materials at capacity.

*Source:* Quarterly data are from the Wharton School of Finance and Commerce, University of Pennsylvania, Economic Research Services Unit. The annual data shown are averages of four quarters. For a more detailed description of how this series is computed, including the procedure for selecting peaks, see K. Krishnamurty, "Industrial Utilization of Capacity," in The Proceedings of the Business and Economics Statistics Section, American Statistical Association, 1961.

### Series B32

#### Manufacturing Output as a Percent of Capacity

This series measures the utilization rates of manufacturing capacity. The output measure is the Federal Reserve index of industrial production (the manufacturing component of A16) and the capacity measure is also compiled at the Federal Reserve (series A147). See the series descriptions for A16 and A147.

*Source:* The data are from The Annual Report of the Council of Economic Advisers, January 1966.

### Series B33

#### Actual Operating Rate in Manufacturing

This series measures the rate of utilization of manufacturing capacity. It is based upon replies to the annual

McGraw-Hill Survey in which businessmen are asked to report at what percentage of capacity their companies are actually operating at the end of the year. The same weighting scheme is used as for the capacity index for manufacturing (series A146).

This series is thought to represent a combination of economic and engineering concepts since the definition of capacity is left to the respondent.

*Source:* Series B33 is from McGraw-Hill Department of Economics, Business' Plans for New Plants and Equipment, various issues.

### Series B34

#### Rate of Capacity Utilization

This series measures the actual operating rate of industry (including manufacturing, transportation, public utilities, communications, trade, service, finance, contract construction and farming) relative to its estimated capacity (capacity is an index with 1949 = 100).

The numerator or output measure of this index is "normal" or "expected" rather than actual output. That is, it consists of a weighted average of current output and recent output since, according to the source, this provides a better indication to the businessman of persistent pressure of output on capacity.

Most economic definitions describe capacity as that level of output where the cost of producing additional units would be prohibitively high because of rising costs of capital and labor throughout the economy. Utilization rates deriving from such definitions rarely exceed 100 percent. For this series, however, the denominator or capacity measure is defined as that level of output where average or unit cost is minimized. This utilization series is almost always above 100 percent since, according to the author, the economy is usually operating between the points of minimum average cost and maximum attainable output.

Capacity is estimated by a regression technique which takes into account the size of the capital stock, the level of production techniques and the prices of productive resources. The regression included observations for the period 1949 to 1960 and additional data were extrapolated to 1962.

*Source:* Series B34 is from Bert G. Hickman, Investment Demand and U.S. Economic Growth, copyright 1965, The Brookings Institution, Washington, D.C. (Used by permission. This series may not be reproduced without written permission from the publisher.)

### Series B35

#### Manufacturing Production Per Net Value of Equipment Index: 1957-59 = 100

This series is a measure of the capacity utilized in the manufacturing sector of the economy. It consists of the index of production for manufacturing (annual averages of the monthly index on a 1957-59 base) divided by the real net value



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

of manufacturing equipment in 1954 dollars at the end of the calendar years.

The total industrial production index (which includes mining and utilities as well as manufacturing) is described in series A16. Net value of equipment is determined by the "perpetual inventory" method whereby new purchases less depreciation charges are added to the previous end-of-year estimates.

This series was originally developed by the Joint Economic Committee of Congress, but has been recomputed with annual production data. Also, the base has been shifted from May 1953 to 1957-59 = 100 to correspond with the production index.

*Sources:* This index, in slightly different form, appeared in The Staff Report on Employment, Growth and Price Levels, December 24, 1959, page 70, prepared for the Joint Economic Committee. The data in appendix 2 were computed using the production index for manufacturing from Industrial Production, 1957-59 Base and Federal Reserve Bulletins published by the Board of Governors of the Federal Reserve System and the value of equipment series from U.S. Income and Output, 1958, and July issues of the Survey of Current Business both published by the U.S. Department of Commerce, Office of Business Economics.

### Series B36 School Enrollment as a Percent of the Population, Age 5 to 17

This series represents the total enrollment in regular public and nonpublic elementary and secondary day schools in the United States as a percent of the population 5 to 17 years old. Included are local public school systems and nonpublic schools (church affiliated or nonsectarian). Excluded are enrollments in subcollegiate departments of institutions of higher education, residential schools for exceptional children, and Federal schools. In general, the population estimates used refer to July 1 preceding the opening of the school year (e.g. the population estimate for July 1, 1964, was used with the fall 1964 enrollment estimate to derive the school year ending 1965 percentage enrolled figure).

*Sources:* The original sources for the 1889 to 1962 data are Annual Report of the United States Commissioner of Education and Biennial Survey of Education in the United States, U.S. Department of Health, Education, and Welfare, Office of Education. The data for this series for 1889 to 1962, however, are from Historical Statistics of the United States, Colonial Times to 1957 and its supplement, Continuation to 1962 and Revisions, U.S. Department of Commerce, Bureau of the Census. The fall 1964 enrollment data is from Digest of Educational Statistics: 1965, Office of Education. Population estimates for 1889 to 1962 were derived from series published in Historical Statistics; the population estimate for 1964 is taken from Current Population Reports: Population Estimates, Series P-25, No. 314, Bureau of the Census.

### Series B37 Higher Education Enrollment as a Percent of the Population, Age 18 to 21

This series represents the total enrollment in institutions of higher education as a percent of the population 18 to 21

years old. Prior to and including academic year ending 1946, enrollment figures used represent the total resident degree-credit enrollment (full- and part-time students), regular session only (September to June), exclusive of enrollments in extension, correspondence, adult education, short courses, etc. Data from year ending 1947 (fall 1946) to date are based on opening (fall) enrollments. Beginning with fall 1953, enrollment figures include resident and extension degree-credit students while data for all earlier periods exclude extension students. Beginning with fall 1960, the enrollment data used include the 50 States and the District of Columbia; data for all earlier periods include currently existing States and the District of Columbia. The population estimates used are exclusive of the Armed Forces overseas from 1870 through 1929 and are inclusive thereafter. The population data used are actual census counts as of June 1 from 1870 through 1900 and for later years are estimates by the Bureau of the Census as of July 1 preceding the opening of the academic year. For this series, the percentage-enrolled figures are shown according to the year in which the academic year ended, but are based upon the academic year's opening (fall) enrollment (or cumulative enrollment for years before 1947.)

*Source:* Series B37 is from Digest of Educational Statistics, 1965, U.S. Department of Health, Education, and Welfare, Office of Education.

### Series B38 Average Length of Public School Term

This series measures the average length of the school year, measured in school days, in public elementary and secondary day schools in the United States. The average length of school term (computed by dividing aggregate pupil-days attended by the average daily attendance) reflects the number of days that schools were actually in session as well as the attendance of pupils during the year. Average daily attendance figures measure the average number of pupils actually present in school and are, therefore, smaller than corresponding average daily membership or enrollment figures. The figures for this series are shown according to the year in which the school year ended.

*Sources:* The original sources for the 1870 to 1962 data are Annual Report of the United States Commissioner of Education and Biennial Survey of Education in the United States, U.S. Department of Health, Education, and Welfare, Office of Education. However, for this series, the data for 1870 to 1962 are taken from Historical Statistics of the United States, Colonial Times to 1957 and its supplement, Continuation to 1962 and Revisions, U.S. Department of Commerce, Bureau of the Census. Data for 1964 are from Statistical Summary of State School Systems, 1963-64, Office of Education.

### Series B39 Average Number of Days attended Per Pupil

This series represents the average number of days attended per academic year by each enrolled pupil in public elementary and secondary day schools in the United States. It is the ratio of the aggregate days attendance to the total public day school enrollment. Figures for this series are shown according to the year in which the school year ended.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

*Source:* For data from 1870 to date, see source for series B38. A preliminary 1964 figure was derived using the 1963-64 public school figures for enrollment, average daily attendance, and average length of school term as shown in the Statistical Summary.

### Series B40

#### Median Years of Education Completed, Age 25 and Older

This series measures the median number of years of education completed by persons 25 years old and over in the United States. The estimates derived by Folger and Nam for 1910, 1920, and 1930 represent retrojection by age cohorts of the 1940 census data on educational attainment.

*Sources:* The 1910, 1920, and 1930 data are from John K. Folger and Charles B. Nam, "Educational Trends from Census Data," Demography, 1964 (Vol. I, No. 1). Data for later years are from censuses of 1940, 1950, and 1960, and Current Population Reports: Population Characteristics, Series P-20, numbers 121, 138, and (forthcoming), for 1962, 1964, and 1965, U.S. Department of Commerce, Bureau of the Census.

### Series B41

#### Total Expenditures in the Educational System

This series measures the total educational and general expenditures for current operating costs, expenditures for capital outlay (excluding debt retirement), and interest by all levels of public and private educational institutions. Included are Federal schools, schools for exceptional children, and auxiliary and other expenditures not allocable to pupil costs. Figures are shown according to the year in which the school year ended.

*Source:* Series B41 is from Digest of Educational Statistics, 1965, U.S. Department of Health, Education, and Welfare, Office of Education. Data are shown in thousands in the source but are rounded to millions for publication in this report.

### Series B42

#### Expenditure Per Student Enrolled in Higher Education

This series represents the ratio of total educational and general expenditures (including capital outlay and interest) by institutions of higher education in the United States to the total enrollment. Educational expenditure data used are fiscal (academic) year totals from 1920 to date. However, enrollment figures used for the years ending 1920 to 1946 are September-to-June enrollments (see series description for series B37), and opening (fall) enrollments for 1947 to date (e.g. the opening enrollment total for fall 1963 is used with the year ending 1964 expenditure figure to derive the per student expenditure figure for year ending 1964). Data for this series are shown according to the year in which the academic year ended.

*Sources:* The original source for 1920-46 is Biennial Survey of Education in the United States, U.S. Department of Health, Education, and Welfare, Office of Education. The enrollment data, however, for 1920 to 1946, are taken from Historical

Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census. Enrollment data, 1947 to date, are from Digest of Educational Statistics, 1965, Office of Education. Expenditure data, 1920 to date, are from Office of the Assistant Secretary for Program Coordination, Health, Education, and Welfare Trends, annual editions.

### Series B43

#### Expenditure Per Pupil Enrolled In Public Schools

This series represents the ratio of total general and educational expenditures by public elementary and secondary schools in the United States to the total enrollment. Included in total expenditures are total current operating expenditures, capital outlays, interest, and other auxiliary services such as adult education and summer schools.

*Sources:* The original sources for 1870-1952 are Annual Report of the United States Commissioner of Education and Biennial Survey of Education in the United States, U.S. Department of Health, Education, and Welfare, Office of Education. The data for 1870 to 1952, however, are taken from Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census. The 1954-60 and 1965 enrollment data and 1950-60 and 1965 expenditure data are from Digest of Educational Statistics; 1965, Office of Education. The 1962-64 enrollment and expenditure data are from Statistical Summary of State School Systems: 1963-64.

### Series B44 to B46

#### Median Income by Education Completed, Males, Age 25 Years and Over

These series measure the median income of males, 25 years old and over, by the following years of education completed: 8 years of elementary school (series B44), 4 years of high school (series B45), and 4 or more years of college (series B46). The figures for 1939 and 1959 are not strictly comparable with other years because they exclude males over 64 years old. Also, for series B44, the 1939 estimate includes those with 7 or 8 years of education since estimates were not separately available for those with 8 years of elementary school education.

*Sources:* The 1939 data are from Sixteenth Census of the United States Population: Education; Educational Attainment by Economic Characteristics and Marital Status. The 1949 data are from 1950 United States Census of Population: Education, Special Report, PE No. 5B. The 1959 data are from 1960 United States Census of Population: Occupation by Earnings and Education, Subject Reports, PC (2) 7B. Data for 1958, 1961, 1963, and 1964 are from Current Population Reports: Consumer Income, Series P-60, Nos. 33, 39, 43 and 47. All reports are published by U.S. Department of Commerce, Bureau of the Census.

### Series B47

#### Public Expenditures for Medical Research

This series measures the total expenditure for medical research by Federal, State, and local governments. Excluded

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

are research expenditures under maternal and child health and vocational rehabilitation programs.

*Source:* Series B47 is from U.S. Department of Health, Education, and Welfare, Social Security Administration, (data published in Health, Education, and Welfare Trends, annual editions, Office of the Assistant Secretary for Program Coordination).

### Series B48

#### Work-Loss Days per Currently Employed Person

This series measures the annual average number of whole work days lost per currently employed person. A work-loss day is incurred when a person who would have gone to work at a job or business loses the entire work day because of illness or injury. If a person's regular work day is less than a whole day and the entire work day is lost, it is counted as a whole day lost. Work-loss days are determined for persons age 17 and over in the civilian noninstitutional population. The data refer to fiscal years ending June 30. The figures for 1960 to 1965 are based upon actual sample frequencies in the Health Interview Survey. Estimates for 1958 and 1959 have been extrapolated by the source agency using a related series. The impact of the fall 1957-winter 1958 influenza epidemic is reflected in the 1958 figure.

*Source:* Data for 1960 to 1965, are from Health, Education, and Welfare Indicators, February 1966, for 1960 to date, U.S. Department of Health, Education, and Welfare, Office of the Assistant Secretary for Program Coordination. The 1958 and 1959 estimates were provided by the Public Health Service, National Center for Health Statistics.

### Series B49

#### Patients in Hospitals for Long-Term Psychiatric Care

This series represents the number of resident patients in public and private hospitals for prolonged care, measured as of the end of the fiscal year. It is the ratio of this number to the civilian population (as of July 1), 10 years of age and over. Alaska is included beginning with 1960 and Hawaii, with 1961. The fiscal year ends on June 30 for most of the public hospitals and on December 31 for most private hospitals. The sharp increase in the rate during 1943 to 1945 was primarily the result of the decrease in the civilian population during World War II. Historically, approximately half of the total number of patient days of hospital use has been due to the treatment of psychiatric patients.

*Sources:* Series B49 is from Health, Education, and Welfare Trends, annual editions, U.S. Department of Health, Education, and Welfare, Office of the Assistant Secretary for Program Coordination.

### Series B50

#### Average Life Expectancy at Birth

This series measures the life expectancy at birth; that is, the average number of years that members of the U.S. popu-

lation are expected to live if subjected throughout their lives to the age-specific mortality rates observed at the time of their birth. The extremely low figure for 1918 reflects the worldwide influenza epidemic of that year.

*Source:* Series B50 is from Vital Statistics of the United States: 1963, Volume II, Part A, for 1900-63, U.S. Department of Health, Education and Welfare, Public Health Service.

### Series B51

#### Applications for Patents

This series measures the number of patent applications filed with the U.S. Patent Office. Included are applications covering inventions, designs, and botanical plants. Applications for reissue of patents; i.e. those which are issued to replace another patent to correct an error, are excluded.

*Sources:* Series B51 is based on Annual Report of the Commissioner of Patents which presents fiscal year figures, U.S. Department of Commerce, Patent Office. However, data for this series for 1860 to 1959, are on a calendar-year basis and are taken from Historical Statistics of the United States, Colonial Times to 1957 and its supplement, Continuation to 1962 and Revisions; and for 1960 to date, from Statistical Abstract of the United States, annual editions, U.S. Department of Commerce, Bureau of the Census.

### Series B52 to B61

#### Funds for Scientific Research and Development by Source

These series measure the sources of funds for the conduct of scientific research and development in the United States. The National Science Foundation defines research (both applied and basic) as "the systematic and intensive study directed toward a fuller knowledge of the subject studied," and development as "the systematic use of scientific knowledge directed toward production of useful materials, devices, systems, methods, and processes." Generally, the data include only current operating costs and exclude outlays for major capital items. The data for 1953 to date are based on a consistent, full-coverage sample of institutions performing scientific research and development, yielding comparable and reliable estimates. The data for years previous to 1953 are based upon sporadic and incomplete surveys or other estimating procedures and are, therefore, only roughly comparable with the post-1953 data. They are, however, useful for studying general economic trends in scientific research and development.

Total sources of funds for the periods 1930-40, 1941-53, and 1953 to date are measured by series B52, B53, and B54. Sources of funds by sector are measured as follows: For 1953 to date, series B56, B58, B60, and B61 measure funds contributed by the Federal Government, industry, colleges and universities, and other nonprofit institutions; for the 1941-53 period, series B55, B57, and B59 measure funds contributed by Federal and state governments, industry, and universities.

*Sources:* Data for 1930 to 1940 are from Vannevar Bush, Science—The Endless Frontier, July 1945 (reprinted July 1960), National Science Foundation, Washington, D.C. (some

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

expenditure estimates by sector are available for the 1920's from this source). Data for 1941 to 1953 are from Department of Defense, Office of the Secretary (published by the Department of Commerce, Bureau of the Census, in Statistical Abstract of the United States: 1960). Data for 1953 to date are from Reviews of Data on Scientific Resources, Volume I, Number 4, and unpublished data, National Science Foundation.

### Series B62 to B68

Implicit Price Deflators, Gross National Product and Components, Indexes 1929 = 100, 1958 = 100

These series measure the change in the value of physical goods and services included in GNP (series B62 and B63), gross private domestic product (series B64), personal consumption expenditures (series B65 and B66), and fixed investment (series B67 and B68) of any given year as compared with the base year, 1929 or 1958. Since they are obtained by dividing current-dollar expenditure estimates by the corresponding deflated or constant-dollar data (deflated in a detailed product breakdown by appropriate price indexes), implicit price deflators, consist of price relatives which receive shifting weights in proportion to expenditure patterns incurred each year for the goods and services which they represent. These series differ in this respect from price measures such as the Consumer Price Index and the Wholesale Price Index (series B69 to B71) which use constant weights based on the expenditure patterns which prevailed in the various base periods employed.

For series B62, B65, and B67, the deflators were calculated by dividing Kendrick's estimates of current-dollar expenditures by his corresponding estimates in 1929 dollars (see descriptions for series A1 and A3.)

The price deflator for fixed investment (new construction and producers' durable equipment) corresponds to the investment component of GNP excluding the change in inventories.

Sources: Series B62, B65, and B67 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research; Series B63, B64, B66, and B68 are from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series B69

Wholesale Prices, All Commodities, Index: 1957-59 = 100

This series is designed to measure the change in the composite of price movements in primary markets (the initiating level of market transactions). It is designed to measure the "real" price changes between two periods of time exclusive of price movements resulting from changes in quality, quantity, terms of sale, level of distribution, unit priced or source of price.

The term "wholesale" refers to sales in large lots and not to prices received by wholesalers, jobbers, or distributors. Most quotations are the selling prices of representative manufacturers or other producers, or prices quoted on organized exchanges or markets and are exclusive of excise taxes. The index is a weighted average of price changes where the

weights are the total net selling value of commodities produced and processed in the United States (including the value of commodities sold for export and imported for consumption and for sale) and flowing into primary markets. Weights are derived from the censuses of manufacturers and mineral industries and various other sources. Included in the index are products of manufacturing, agriculture, forestry, fishing, mining, quarrying, well operation, and gas and electric utilities. The index does not measure the price movements of retail transactions, transactions for services (except gas and electricity to nonresidential users), construction, real estate, transportation, or securities.

Source: Series B69 is from Wholesale Prices and Price Indexes, U.S. Department of Labor, Bureau of Labor Statistics.

### Series B70

Cost of Living, Index: 1914 = 100

This series is designed to measure changes in the prices paid by manufacturing wage earners for consumer goods. Rees has supplemented indexes of food, liquor, and tobacco prices developed by Paul H. Douglas (Real Wages in the United States, 1890-1926) with measures of the prices of clothing, home furnishing, rent, fuel, light, and other items using data developed from newspaper advertisements and mail order catalogs. Component indexes were averaged using fixed 1901 weights except that the fuel index was computed using interpolations of expenditures data for 1890 and 1918.

Source: Series B70 is from Albert Rees, Real Wages in Manufacturing, 1890-1914, National Bureau of Economic Research.

### Series B71

Consumer Prices, All Items, Index: 1957-59 = 100

The Consumer Price Index measures the effect of price changes on the living costs of urban wage earners and clerical workers (families and single persons living alone). It is calculated by comparing, from one time period to the next, the cost of a "market basket" of goods and services usually purchased by this particular population group.

A sample of the market basket of consumption goods, currently consisting of 400 items, is priced in 39 standard metropolitan statistical areas and 17 smaller cities selected to represent all urban cities in the United States. The separate city indexes are then combined, using population weights, to obtain the total index. The changes in retail prices of individual items are also weighted according to expenditure patterns of urban wage earners and clerical workers. The original expenditure weights were based on the 1917-19 period and have been revised several times since then, as has the market basket of items included. The latest weights are based on the 1960-61 period and have been used to calculate data beginning with 1964.

Source: Series B71 is from U.S. Consumer Price Indexes, U.S. Department of Labor, Bureau of Labor Statistics.



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series B72

Total Compensation Per Hour at Work for Manufacturing Production Workers, in 1957 Dollars

This series measures the total compensation per hour at work in constant dollars of 1957 purchasing power for production workers in manufacturing.

Total compensation consists of money earnings and wage supplements per hour worked (rather than per hour paid for) so that increases in paid vacations, holidays, or sick leave increase per hour compensation. Changes in other forms of time paid for but not worked, such as lunch periods and coffee breaks, are not accounted for in this series. The data for money earnings per hour at work used in developing this series are based largely on the Census of Manufactures and Annual Survey of Manufactures reports for various years using the Bureau of Labor Statistics data on earnings per hour paid for as an interpolator.

Wage supplements included in this series are employer contributions to old age and survivors insurances, unemployment insurance, workmen's compensation, and private pension, welfare, and insurance plans. Other items sometimes considered fringe benefits, such as Christmas bonuses, subsidies to company cafeterias, and discounts on goods bought from employers are excluded.

Rees converted total compensation per hour at work to constant dollars on the basis of the consumer price index (series B71, but on a 1957 base), and the cost of living index (series B70) supplemented by a figure for the year 1889 from a study by Clarence D. Long.

*Sources:* Series B72 is from Albert Rees, "Patterns of Wages, Prices and Productivity," *Wages, Prices, Profits and Productivity*, American Assembly, Columbia University, 1959. For 1920 to 1931 and 1954 to 1957, Rees' revised data on total compensation per hour at work in current dollars from his *New Measures of Wage Earner Compensation in Manufacturing, 1914-57* (National Bureau of Economic Research) were divided by the consumer price index which appeared in the former publication. Data from 1958 through 1963 were supplied by H. Gregg Lewis who used a method similar to that employed by Rees.

### BOND YIELDS AND INTEREST RATES Series B73 to B83

*General Note:* These series are measures of the cost of credit to borrowers (business and governments) and the rate of return to lenders. Maturities for long-term securities (series B73 to B79) range from 8 to 30 years and for short-term (series B80 to B83) from 3 months to 1 year.

The use of market yields rather than security prices eliminates the effect of differences in the terms of securities, such as the coupon rate and the length of time to maturity. These yield quotations indicate the rate of return on investments purchased at current market prices and held to maturity. They do not necessarily reflect the yields realized by purchasers on other dates, nor the yields realized by investors who dispose of securities before maturity.

The series described below are yields on the highest (or close to the highest) obligations—those of governments and the best corporate obligations. A large portion of the capital funds of borrowers whose activities involve more risk is represented by equity securities for which there is no fixed contractual rate of return.

### Series B73

U.S. Government Bond Yields

This series measures long-term government bond yields. From January 1, 1919, to October 14, 1925, yields were unweighted averages of yields of all outstanding partially tax-exempt government bonds with call date or maturity of more than 8 years; from October 15, 1925, to December 27, 1941, yields were the same as above except call date or maturity was more than 12 years. Since 1942, yields have been based upon fully taxable bonds with call dates or maturity of more than 15 years from January 1942 to March 31, 1952; of more than 12 years from April 1952 to March 31, 1953; and of more than 10 years, thereafter.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

Prior to 1953, yields were based upon the mean of the closing bid and ask quotations, and since then have been based on daily closing-bid quotations in the over-the-counter market.

*Source:* Series B73 is from Treasury Bulletin, Treasury Department.

### Series B74 American Railroad Bond Yields

This series is composed of geometric averages of yields of long-term high-grade railroad bonds, adjusted to eliminate economic drift because of secular changes in the quality of the bonds. Yields for individual bonds are based on arithmetic averages of monthly high and low sale prices. With a few exceptions, the index includes no bonds with maturities under 10 years; since 1909 the minimum has been 14 years. The number of bonds on which the index is based was 13 in 1857, increased gradually to 37 in 1900, varied between 36 and 45 until 1930, and declined to about 28 in 1935.

*Source:* Series B74 is from Frederick R. Macaulay, Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields and Stock Prices in the United States Since 1856, National Bureau of Economic Research.

### Series B75 Basic Yields of 30-Year Corporate Bonds

This series shows yields estimated as prevailing in the first quarter of each year for bonds with 30 years to maturity. The rates are based on monthly high and low quotations of practically all the actively traded high-grade corporate issues outstanding since 1900.

*Sources:* Data for 1900 to 1942 are from David Durand, Basic Yields of Corporate Bonds, National Bureau of Economic Research; for 1943 to 1962, from Sidney Homer, A History of Interest Rates, Rutgers University Press; for 1963 to 1965, from Sidney Homer, United States and Foreign Interest Rates, Salomon Brothers and Hutzler.

### Series B76 New England Municipal Bond Yields

This series is an annual average of arithmetic averages of the yields each quarter of New England Municipal bonds.

*Source:* Series B76 is from Frederick R. Macaulay, Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields and Stock Prices in the United States Since 1856, National Bureau of Economic Research.

### Series B77 Municipal Bond Yields

This series measures the annual average of the Bond Buyer weekly index of 20 new municipal bonds prior to 1915 and 11 bonds thereafter. For 1915 and 1916, the index of 11 bonds is averaged for January 1, April 1, July 1, and September 1; for 1917 through 1945, the index is averaged for the first of each

month; for 1946 to date, the index is averaged for the first Thursday of each month.

The index is derived by averaging the market value expressed in terms of yield on bonds of general obligations only of issues of States, cities, and school districts. These issues are all in the top four ratings (Aaa, Aa, A and Baa) as classified by Moody's Investors Service and when averaged are equivalent to the second best rating. Prices of issues used are those applicable to a bond having a maturity of about 20 years and selling at a price close to par.

*Source:* Series B77 is from the Weekly Bond Buyer. (Used by permission. This series may not be reproduced without written permission from the publisher.)

### Series B78 Manhattan Island Real Estate Mortgage Rates

This series is the average rate of conventional Manhattan real estate mortgages.

*Source:* Series B78 is from the Real Estate Analyst published by the Roy Wenzlick Research Corporation. The 1879 to 1961 data may also be found in Sidney Homer, A History of Interest Rates, Rutgers University Press, and 1962 to 1965 data in Sidney Homer, United States and Foreign Interest Rates, Salomon Brothers and Hutzler.

### Series B79 Secondary Market Yields on FHA Mortgages

This series measures the annual average mortgage yield of maximum permissible interest rates on secondary market prices. The yields are on mortgages for new homes that have been insured by the Federal Housing Administration. Until July 1961, rates were based on mortgages with a maturity of 25 years that would be prepaid at the end of 12 years, and since then, with a maturity of 30 years to be prepaid at the end of 15 years.

Transactions are for immediate delivery of home mortgages in the secondary market and exclude seasoned mortgages or deliveries to the Federal National Mortgage Association.

Prices are net of discounts, commitment fees, or other charges and prior to 1956, represent typical transactions. After 1956, they represent mortgages with a maturity of 25 years and 10-percent downpayment, and after July 1961, a maturity of 30 years and a minimum downpayment. Since March 1956, prices have been weighted to reflect the probable volume of transactions in the various insuring office areas whereas data before were unweighted.

*Source:* Series B79 is from Federal Housing Administration.

### Series B80 Commercial Paper Rates

This series shows average interest rates on 4- to 6-month commercial loans. A commercial paper is a promissory note (if endorsed it is called a two-name paper) which a borrower

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

offers for sale to a broker who in turn may hold it himself or sell it to a bank or other investor. No stock or bond collateral is needed and, therefore, only those borrowers whose credit is well established and well known can make effective use of commercial paper as a method of securing this type of short-term loan.

Since 1951, rates represent averages of daily quotations and, prior to that year, of weekly prevailing rates.

**Sources:** Series B80 is from Board of Governors of the Federal Reserve System, Banking and Monetary Statistics and Federal Reserve Bulletins.

### Series B81 Stock Exchange Call Loan Rates

This series is the average of daily rates of call money on the New York Stock Exchange. This type of loan is made to stock or bond brokers or investment bankers and involves collateral. The collateral are stocks and/or bonds which are given to the lender. Generally, the purpose of a call loan is to finance speculative operations in the financial markets or the distribution of new issues of securities.

Beginning in 1957, the rates shown are the going rates for both new and renewal call loans. Earlier rates are for renewal loans only.

**Sources:** Data for 1857 to 1889 are from Frederick R. Macaulay, Some Theoretical Problems Suggested by the Movements of Interest Rates, Bond Yields and Stock Prices in the United States Since 1856, National Bureau of Economic Research; for 1890 to 1941, from Board of Governors of the Federal Reserve System, Banking and Monetary Statistics. Data for 1942 to date were supplied (no longer published) by the Federal Reserve System and published by the U.S. Department of Commerce, Office of Business Economics, in Survey of Current Business.

### Series B82 Basic Yields of 1-Year Corporate Bonds

This series shows yields estimated as prevailing in the first quarter of each year for bonds with 1 year to maturity. The rates are based on monthly high and low quotations of practically all the actively traded high-grade corporate issues outstanding since 1900.

**Sources:** Data for 1900 to 1942 are from David Durand, Basic Yields of Corporate Bonds, National Bureau of Economic Research; for 1943 to 1962, from Sidney Homer, A History of Interest Rates, Rutgers University Press; for 1962 to 1965, from Sidney Homer, United States and Foreign Interest Rates, Salomon Brothers and Hutzler.

### Series B83 U.S. Treasury Bill Rates

Data from 1920 through 1930 represent yields on individual issues of Treasury notes and certificates and are averages of

daily figures. These averages include all outstanding issues of the securities with periods to maturity from 3 to 6 months.

Data represent Treasury bills with maturity of 3 months from 1931 to February 16, 1934; 6 months from February 23, 1934, to February 23, 1935; 9 months from March 1, 1935, to October 15, 1937; bills maturing about March 16, 1938, from October 22 to December 10, 1937; and 3 months from December 17, 1937 to date. Treasury bills differ from other types of Treasury marketable securities in that they are sold on a discount basis instead of being offered with a fixed coupon rate.

Data from 1931 through 1946 represent average rates on issues announced within the period and since then represent yields on new bills issued within the period. Data from 1931 to March 1, 1941, represent tax-exempt Treasury bills and thereafter taxable bills.

**Source:** Series B83 is from the Board of Governors of the Federal Reserve System, Banking and Monetary Statistics and Federal Reserve Bulletins.

### Series B84 and B85 Index of Common Stock Prices: 1941-43 = 10

These series measure the average annual market value of common stocks relative to their market value in the base period, 1941-43. The index values represent the average of 12 monthly price averages. In determining the average monthly price, each stock is weighted by the number of shares outstanding. The indexes have been based on 500 stocks since 1957 and were based on 90 stocks before that year. Effects of arbitrary price changes caused by the issuance of rights, stock dividends, split-ups, and mergers are eliminated as far as possible.

Data for series B84 were originally developed by the Cowles Commission using the same methods and including, as far as possible, the same companies as the Standard and Poor's index.

**Sources:** Series B85 is from Standard and Poor's Corporation and series B84 is from the Cowles Commission. The data are published on the 1941-43 base in Historical Statistics of the United States, U.S. Department of Commerce, Bureau of the Census, and in Business Statistics and the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series B86 and B87 Corporate Profits

These series measure the profits of corporations in the United States before (series B86) and after (series B87) the deduction of income and excess profits tax liability. The data are based on compilations of profits reported to the Internal Revenue Service and subsequent audits of corporate reports. Reported totals are adjusted by the Office of Business Economics to exclude duplication resulting from intracorporate dividend payments and capital gains and losses. Included in the estimates are depletion allowances, current net earnings of the Federal Reserve Banks, Federal and State and local taxes (for series B86 only), and profits and dividends accruing to foreign corporations and stockholders.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

*Source:* Series B86 and B87 are from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series B88 Internal Sources of Corporate Funds

This series measures sources of funds generated within the corporations themselves, as opposed to external sources obtained by corporations through the issuance of stocks or bonds or by receiving bank loans or other liabilities. These are funds available for investing in physical assets or for increasing corporate financial assets.

The items included in internal sources of corporate funds are undistributed profits, inventory valuation adjustment, and capital consumption allowances. Corporate farms and financial institutions are excluded from this series.

*Sources:* Data for 1929 to 1945 were supplied by the Office of Business Economics, and for 1946 to 1965 are from the Survey of Current Business, November 1965 and May 1966, U.S. Department of Commerce, Office of Business Economics.

### Series B89 to B90 Corporate Security Issues for New Capital

Series B89, compiled by the Commercial and Financial Chronicle, includes publicly listed issues by domestic, non-government-owned corporations for purposes of obtaining new capital for new plant and equipment (construction and additions), improvement to plant and equipment, repayment of bank loans, acquisition of securities and other property, working capital, and general corporate purposes. Figures in the late twenties, especially 1928 and 1929, include substantial amounts of stock issues of investment trusts and holding companies offered for the purpose of buying other securities.

Securities issued for the purpose of retiring outstanding securities (refunding) are excluded. Also excluded are private placements announced to the public after sale, intercorporate transactions, public offerings of issues already outstanding whose owners are merely disposing of them through public sale, and debt issues of less than 1 year to maturity.

Estimates represent the par value for bonds, notes, and preferred stocks with fixed par value, and the offering price for common stocks and preferred stock with no par value.

Series B90, compiled by the Securities and Exchange Commission, shows the net proceeds of foreign and domestic corporate securities issued to obtain new capital for purposes other than refunding. Included are all new issues in excess of \$100,000 and maturing in more than 1 year offered for cash in the United States whether or not registered under the Securities Act of 1933, and whether privately placed or publicly offered.

Excluded from this series are issues sold through continuous offerings (e.g., open-end investment companies and employee purchase plans), intercorporate transactions, parts of issues known to have been sold outside the United States and notes sold to banks where banks are the sole purchasers.

Gross proceeds are estimated by multiplying the number of units by offering prices. Net proceeds are gross proceeds less flotation costs such as compensation to underwriters, agents, etc., and other expenses.

*Sources:* Series B89, developed by the Commercial and Financial Chronicle, is from Banking and Monetary Statistics, Board of Governors of the Federal Reserve System. Data for series B90, for 1934 to 1958, are from the 25th Annual Report of the Securities and Exchange Commission; data since 1958 are from the Board of Governors of the Federal Reserve System, Federal Reserve Bulletin.

### Series B91 to B100 Sources of Saving

These series measure annual gross saving (series B91 and B92) and its components (series B93 to B100). Two methods of derivation are shown: (1) The income approach, as used by the Office of Business Economics, measures saving as the difference between income and spending during an accounting period; and (2) the balance sheet method, as used by Goldsmith, equates saving with the change in the level of stocks; i.e. net worth, during an accounting period (using the period's beginning and ending balance sheets) where net worth equals assets less liabilities. Saving is therefore equal to the change in assets less the change in liabilities.

Under the income approach, gross saving (series B92) plus a statistical discrepancy equals gross investment (gross private domestic investment and net foreign investment). Stated alternatively, gross saving equals the sum of personal saving, government saving, corporate saving, and capital consumption allowances.

Personal saving (series B94) represents that portion of private saving made by or for individuals (including owners of unincorporated business) and nonprofit institutions.

Corporate saving (series B96) as defined here includes undistributed corporate profits (that portion of after-tax profits not distributed to stockholders); corporate inventory valuation adjustment (equal to the excess of the value of the change in the volume of corporate business inventories, valued at average prices during the period, over the change in the book value of those inventories); and the excess of wage accruals over disbursements (wages and salaries earned but unpaid as of the end of the accounting period).

Government saving (series B98) represents the government surplus (+) or deficit (-) on income and product transactions (equal to the difference between net government receipts and expenditures in the National Income and Product Accounts).

Capital consumption allowances (series B100) consist of depreciation charges (including imputed depreciation on owner-occupied dwellings) by corporate and noncorporate business and accidental damage to fixed business capital (losses due to fires, natural causes, or other accidents not covered by depreciation charges).

The combined balance sheet method used by Goldsmith represents the sum of the balance sheets of all constituent



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

units of a group or sector, based as far as possible on a comparable valuation of assets and liabilities. Neither intergroup or intragroup creditor-debtor or owner-issuer relationships are eliminated (i.e. liabilities are not netted against total assets), saving being equal to the change in assets less the change in liabilities. The basic social accounting concept of saving used by Goldsmith in A Study of Saving is: "The current value of the change in earned net worth of all economic units in the Nation (or of those forming a group within the Nation), including all types of nonmilitary assets with an expected service life of more than 1 year other than consumer semidurable goods; excluding all revaluation changes from the calculation; using capital consumption allowances based on replacement cost and spaced equally over the expected life of the asset; excluding discovery values of natural resources and hence depletion allowances on such values; and including the cost of change of hands of existing assets."

Gross annual saving (series B91) represents the sum of the following saving components (social accounting concept): Personal saving (series B93), corporate saving (series B95), government saving (series B97), and capital consumption allowances (series B99). The major differences between Goldsmith's social accounting concept estimates and OBE's estimates are in (1) method of derivation (balance sheet versus income approach); (2) concept of saving (Goldsmith's estimates generally include all forms of saving included by the Department of Commerce, plus purchases of consumer durables); and (3) the basis for depreciation allowances (Goldsmith bases depreciation allowances on replacement cost and OBE on original cost). Both Goldsmith and OBE exclude saving in the form of capital gains and losses, additions to military assets, and soil improvement.

*Sources:* Series B91, B93, B95, B97, and B99, are from Raymond W. Goldsmith, A Study of Saving in the United States, Volumes I, II, and III, National Bureau of Economic Research, copyright 1955-56, Princeton University Press. (Used by permission. This series may not be reproduced without written permission from the publisher.) Series B92, B94, B96, B98, and B100, are from Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series B101 to B104 Net Public and Private Debt

These series measure the total public and private net indebtedness of the total economy (series B101) which is equal to the sum of the component sectors: Net Federal, State, and local government debt (series B102), net corporate debt (series B103), and net noncorporate and individual debt (series B104).

Net indebtedness is derived by subtracting from gross indebtedness certain intrasector duplications. Gross debt is here defined to consist of all classes of legal indebtedness except the following: (a) The deposit liability of banks, saving and loan associations, and credit unions, and the amount of bank notes in circulation; (b) the value of outstanding policies and annuities of life insurance carriers and pension funds; (c) the short-term debts among individuals and among unincorporated nonfinancial business firms; and (d) the nominal debt of corporations, such as bonds which are authorized but unissued, or outstanding but reacquired. Duplicating debts

are as follows: Holdings of Federal obligations by Federal Government corporations or agencies; State and local government securities held in sinking, trust, or investment funds by either the issuer or other organization within the State and local government sector; and corporate debt owed to other members of an affiliated corporate system.

The data pertain to outstanding debt as of the end of the calendar year except that of State and local governments which is for June 30. These debt series are compiled by the Office of Business Economics from data collected by the Departments of Agriculture, Treasury, and Commerce, the Board of Governors of the Federal Reserve System, the Federal Home Loan Bank Board, the Federal Deposit Insurance Corporation, and the Interstate Commerce Commission.

*Source:* Series B101 to B104 are from Survey of Current Business, July 1960, and succeeding May issues, U.S. Department of Commerce, Office of Business Economics.

### Series B105 Assets of Financial Intermediaries

This series includes the total tangible and intangible assets of the following types of financial institutions and enterprises (assets of financial intermediaries consist primarily of intangibles; i.e. claims and equity securities): The banking system, personal trust departments, private and government insurance organizations, savings and loan associations, credit unions, sales and personal finance companies, land banks, investment companies, investment bankers, and government lending institutions. Excluded are investment counsel organizations, trustees other than banks and trust companies, pawnbrokers, labor unions and foundations, the U.S. Treasury, and a few groups of financial organizations known or believed to be of relatively small size or for which no satisfactory information was available such as commercial paper and discount houses, acceptance dealers, and title guaranty companies. Financial intermediaries are organizations which serve as a depository of funds from savers and direct such funds to economic units in need of external financing. The asset values are for the end of the calendar year.

*Source:* Series B105 is from Raymond W. Goldsmith, Financial Intermediaries in the American Economy Since 1900, National Bureau of Economic Research.

### Series B106 and B107 Assets of All Banks

These series measure the total assets or liabilities, as of June 30 of each year, of all banks in the United States. A bank is defined here as any financial institution which accepts deposits from the general public or conducts principally a fiduciary business. Included are national banks and chartered State banks, loan and trust companies, stock savings banks, unincorporated or "private" banks, and mutual savings banks. Other chartered institutions that are included because their operations involve the receipts of deposits are cooperative exchanges in Arkansas, cash depositories in South Carolina, and Morris Plan and industrial banks (unless engaged merely in making loans and investments). Assets are the resources of banks such as loans, investments, reserves, cash, and

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

balances with other banks. Liabilities are the obligations of banks such as demand and time deposits and capital accounts. The data for series B107 have been compiled from the annual reports and statistical publications and records of the Comptroller of the Currency, the Board of Governors of the Federal Reserve System, the Federal Deposit Insurance Corporation, and several private and unofficial compilations and records and include all operating banks.

The data for series B106, which end with 1896, are based on annual reports of the Comptroller of the Currency, supplemented by Executive Document reports to Congress by the Secretary of the Treasury and interpolations to estimate certain gaps in the data. The figures shown include all national banks and all State banks that voluntarily reported to State banking departments including mutual and stock savings banks, loan and trust companies, and private banks. Data for nonnational banks for the earlier years are reported for dates other than June 30 and are known to be incomplete.

Source: Series B106, for 1860 to 1896, is from Historical Statistics of the United States, Colonial Times to 1957, U.S. Department of Commerce, Bureau of the Census. Series B107, for 1896 to 1955, is from Board of Governors of the Federal Reserve System, All Bank Statistics, United States, 1896-1955; and for 1956 to date, Annual Report of the Federal Deposit Insurance Corporation.

### Series B108

#### Assets of Life Insurance Companies

This series measures the total assets of private U.S. life insurance companies at the end of the calendar year. The bulk of the assets are in holdings of bonds, mortgages, and stocks, with real estate, policy loans, and miscellaneous assets accounting for the remainder.

The assets of private life insurance companies are the principal component of the assets of all insurance organizations which, together with the banking system, account for a major portion of the Goldsmith assets of financial intermediaries series (B105) described above.

Source: Series B108 is from Life Insurance Fact Book, Institute of Life Insurance.

### Series B109 to B112

#### Money Supply; Currency Plus Demand Deposits Adjusted (Plus Time Deposits Adjusted)

The money supply (series B109 and B110) is defined by the Board of Governors of the Federal Reserve System as the total of the public's holdings of currency (including coin) and demand deposits at banks. These are the only financial instruments that perform each of the three economic functions of money: They provide a medium of exchange, act as a readily available (liquid) store of value, and provide a standard of value. Although many other financial instruments perform, in some degree, the functions of money, particularly that of providing a store of value, only the above-mentioned instruments perform all three. Furthermore, currency and demand deposits provide a measure which is closely related to the mechanisms through which money is created and extinguished.

Currency held by the public includes that held by certain financial institutions, such as saving and loan associations and life insurance companies. It excludes, however, currency held by the U.S. Treasury, the Federal Reserve Banks, and commercial banks.

Demand deposits include deposits held in commercial banks and due to the public (including individuals, partnerships, and corporations), to financial institutions (e.g., saving and loan associations), mutual savings banks, foreigners (including foreign banks in U.S. territories and possessions), and state and local governments. Deposits due to the Federal Government or to other commercial banks are not included.

Gross demand deposits contain a large element of duplication resulting from the addition of checks to the accounts of payees before deduction of such checks from the accounts of issuers. Demand deposits are, therefore, "adjusted" to eliminate most of this double counting. The adjustment consists of deducting from gross deposits "cash items in process of collection" as recorded on the books of commercial banks and (for series B110) the Federal Reserve float (which represents an extension of Federal Reserve credit to member banks and others to cover cash items in process of collection through the Federal Reserve System where the Federal Reserve credits the reserve accounts of receiving banks before deducting from the reserve accounts of paying banks).

Series B111 and B112 provide an alternative measure of the money supply which includes, in addition to currency and demand deposits, time deposits at commercial banks. Time and saving deposits serve as a store of value which is nearly as liquid as demand deposits and they may earn interest, while under present law, no interest may be paid on demand deposits. Time deposits like demand deposits are adjusted to eliminate interbank deposits and U.S. Government deposits.

The distinction between demand and time deposits became of major importance only after the Federal Reserve Act (1914) introduced differential reserve requirements for the two types. The Federal Reserve Board has, however, made separate estimates of demand deposits back to 1892 which are published in the Board's Banking and Monetary Statistics, 1943.

More details concerning the money supply series may be found in the sources cited below.

Sources: Series B109 and B111 are from Milton Friedman and Anna J. Schwartz, A Monetary History of the United States, National Bureau of Economic Research. Series B110 and B112 are from the Federal Reserve Bulletin, August 1962 and later issues. See also, "A New Measure of the Money Supply," in the October 1960 Federal Reserve Bulletin.

### Series B113 to B115

#### Velocity of Money Supply

These series measure the value of output (or money income) relative to the supply of money. They are measures of the average rate of turnover per year of the money supply.

Series B113 and B114 are equal to GNP in current dollars (series A8) divided by the first alternative of the money supply described above, currency plus demand deposits (series B109 and B110 respectively).

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

Series B115 is equal to current-dollar net national product estimates (the current-dollar counterpart of series A6) developed by Kuznets and Kendrick, divided by the second alternative of the money supply described above, currency plus demand deposits, plus time deposits (series B111 and B112 respectively).

*Sources:* Series B113 and B114 were derived from series B109, B110, and A8; series B115 is from Milton Friedman and Anna J. Schwartz, A Monetary History of the United States, 1867-1960, National Bureau of Economic Research.

### Series B116 and B117 Monetary Gold Stock

These series, from 1869 through January 1934, measure the amount of gold coin in circulation and gold held by the U.S. Treasury and Federal Reserve Banks and, from January 31, 1934, to date, gold held by the U.S. Treasury exclusive of relatively small amounts held since April 1934 in the Exchange Stabilization Fund of the Secretary of the Treasury.

Data from 1914 through January 1934 include the \$287 million of gold coin outstanding after the expiration date for the surrender of gold to the U.S. Government on January 30, 1934. The increase in the gold stock in 1934 is due principally to the change in the price of gold from \$20.67 a fine ounce to \$35 a fine ounce which occurred in January 1934.

*Source:* Data for Series B116, 1869 to 1913, are annual averages centered on June 30 supplied by the National Bureau of Economic Research. Series B117, 1914 to date, is from the Board of Governors of the Federal Reserve System, Banking and Monetary Statistics and Federal Reserve Bulletin—annual averages of end-of-month data centered on June 30 plus \$287 million for 1914 to January 1934. The addition of \$287 million to the published Federal Reserve Board gold stock figures for this period was made to achieve continuity with the data for the 1869 to 1913 period (see Friedman and Schwartz, A Monetary History of the United States, 1867-1960, footnote on pages 463-64; and page 407 in Banking and Monetary Statistics).

### Series B118 and B119. Balance of Payments

These series present statistics on the U.S. international balance of payments measured on a liquidity basis (series B118) and on an official reserve transactions basis (series B119).

The balance of payments is a summary of the economic transactions between residents of the United States and those of other countries. These transactions are recorded on the basis of double entry bookkeeping principles, with each transaction consisting of a credit and a debit entry. A transfer of real or financial assets to foreigners is considered a credit; a transfer of real or financial assets from foreigners to domestic residents a debit. The total of all credits and debits during any one period must be equal. Therefore, since statistical information on most credit and debit transactions comes from separate sources and for some transactions no data are available, a statistical discrepancy called "errors and omissions" arises. Errors

and omissions are entered with the sign that is required to equalize total credits and debits.

The balance on liquidity basis is measured by the increase in U.S. official reserve assets, plus the decrease in government and private liquid liabilities to all foreign accounts. The balance on the basis of official reserve transactions is measured by the increase in U.S. official reserve assets, plus the decrease in government and private liquid and certain nonliquid liabilities to foreign official agencies (official agencies include foreign central banks and official government agencies holding or managing international reserve assets). U.S. official reserve assets consist of the monetary gold stock, convertible currency holdings by U.S. authorities, and the U.S. gold tranche position in the International Monetary Fund. Liquid liabilities include demand deposits, time deposits for 1 year or less, negotiable Treasury obligations and negotiable privately issued money market paper. Nonliquid liabilities to foreign official agencies are in forms such as government issued noninterest-bearing securities associated with government grants and capital outflows, nonconvertible nonmarketable medium-term securities, and other nonliquid claims on the U.S. Government, and various short-term and long-term nonliquid claims by foreign official agencies as indicated above on U.S. private banks and other private enterprises.

*Sources:* Series B118, from 1919 to 1959, are from Balance of Payments (1963) and, for 1960 to date, from Survey of Current Business. U.S. Department of Commerce Office of Business Economics. Series B119, for 1959 to 62 are from Economic Indicators, U.S. Congress, Joint Economic Committee, and for 1963 to date, Survey of Current Business, Office of Business Economics.

### Series B120 and B121. Balance on Goods and Services

These series measure the excess of exports of goods and services (excluding military grant aid) over imports. Series B121 is the same as A32 except that it is in current dollars.

Series B120, which covers the years 1861 to 1918, is that shown in Historical Statistics of the United States. The data were originally derived by private investigators and rearranged and adjusted by OBE for Historical Statistics. The principal source was Matthew Simon's "The United States Balance of Payments, 1861-1900" in Trends in the American Economy in the Nineteenth Century, NBER.

*Source:* Series B120 is from Historical Statistics of the United States, U.S. Department of Commerce, Bureau of the Census. Series B121 is from the Survey of Current Business. See also Historical Statistics and Balance of Payments: Statistical Supplement, Revised Edition, 1963, Office of Business Economics, U.S. Department of Commerce.

### Series C1 to C60 Per Capita Personal Income for the United States, Census Geographic Divisions, and 50 States

### Series C61 to C70 Personal Income for the United States and Census Geographic Divisions

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

### Series C71 to 80

Population for the United States and Census Geographic Divisions

Personal income is the current income received by residents of the area from all sources, inclusive of transfers from government and business but exclusive of transfers among persons. It is a before-tax measure and includes both cash income and allowance for income received in kind. The totals for the United States (series C1 and C61) differ from the personal income series included in the Office of Business Economic's national income and product accounts because the income disbursed by the Federal Government to its civilian and military personnel outside the United States is excluded from the State series.

Two limitations in the use of personal income, as defined, as a measure of regional growth are (1) the differences between estimates for income received and income produced and (2) the reflection of price-level changes as well as changes in actual volume of activity in the current-dollar figures. They are discussed in source references 1 to 5, below. For some purposes, disposable personal income in constant prices by States, for the years 1929 to 1963, in source reference 5 may be preferable.

The State income estimates of Richard A. Easterlin, in source reference 3, for the years 1880 and 1900 do not relate specifically to those years. The data are a composite of the actual years and adjacent years and are approximately representative of the situation around 1880 and 1900. His estimates for the period 1919 to 1921 are averages of the three annual estimates of Maurice Leven's in Income in the Various States (NBER, 1925) after adjustments were made for minor conceptual differences.

Series C1 to C10, the per capita personal income series for the United States and the nine geographic divisions, were derived by dividing the population series C71 to C80 into the corresponding personal income series C61 to C70.

Series C11 to C60, the per capita personal income series for the individual states, were obtained from source references 3, 4, and 7.

Series C61 to C70, the personal income for the United States and the nine geographic divisions are summations of State personal income obtained from source reference 3 for the years 1880, 1900, and 1919-1921 average; and from source references 6, and 7 for the years 1929 to present.

Series C71 to C80 are the resident population data of the United States and the nine geographic divisions. The figures include the Armed Forces stationed in each State. The decennial years 1860 to 1890 were obtained from source reference 8. These data are as of June 1 and include estimates for some territories. Data for the years 1900 to 1940 and 1948 to the present are as of July 1 and were obtained from source references 9 to 11. In order to make the per capita personal income series comparable with those of the Department of Commerce, Office of Business Economics, the population data for the years 1941 to 1947 were obtained from source reference 4. For these years, the Office of Business Economics uses midyear estimates of civilian population by the Bureau of the Census plus the number of military personnel as derived from information supplied by the military services.

### Source References:

1. George H. Borts, "The Estimation of Produced Income by State and Region," The Behavior of Income Shares, Studies in Income and Wealth, Vol. 27. National Bureau of Economic Research, 1964.
2. Regional Income, Studies in Income and Wealth, Vol. 21. National Bureau of Economic Research, 1957.
3. For the years 1880, 1900, and 1919-1921 average: Richard A. Easterlin, "State Income Estimates," Vol. I of Population Redistribution and Economic Growth, United States, 1870-1950, edited by Simon Kuznets and Dorothy S. Thomas, the American Philosophical Society, 1957.
4. For the years 1929 to 1947: Personal Income by States, Since 1929, U.S. Department of Commerce, Office of Business Economics.
5. Survey of Current Business, April 1965, U.S. Department of Commerce, Office of Business Economics.
6. For the years 1929 to 1947: Survey of Current Business, September 1955, U.S. Department of Commerce, Office of Business Economics.
7. For the years 1948 to present: Survey of Current Business, April 1966, U.S. Department of Commerce, Office of Business Economics.
8. For the decennial years 1860 to 1890: U.S. Census of Population: 1960, Vol. I, Part A, table 9, U.S. Department of Commerce, Bureau of the Census.
9. For 1900 to 1940 and 1948 to 1949: Current Population Reports, Series P-25, No. 139, U.S. Department of Commerce, Bureau of the Census.
10. For the years 1950 to 1959: Current Population Reports, Series P-25, No. 304, U.S. Department of Commerce, Bureau of the Census.
11. For the years 1960 to present: Current Population Reports, Series P-25, No. 324, U.S. Department of Commerce, Bureau of the Census.

### Series C81 to C90

Value Added by Manufacture for the United States and Census Geographic Divisions

### Series C91 to C100

Manufacturing Employment for the United States and Census Geographic Divisions

These series, compiled in the census of manufactures, measure the value added, in current dollars, and average annual employment in manufacturing establishments in the nine geographic divisions and total United States.

Value added is defined as the difference between the value of shipments of manufactured products of manufacturing establishments (plus receipts for services rendered) and their cost of materials, supplies, containers, fuel, purchased



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

electric energy, and contract work. It is considered to be the best census value measure available for making comparisons of the relative economic importance of manufacturing in geographic regions. For 1956 and later years, value added by manufacture has been adjusted to include the value added by merchandising operations of manufacturing establishments and the net change in their inventories. For 1933 and prior years, the cost of contract work was not subtracted from the value of shipments in calculating value added.

Manufacturing employment represents an annual average of full- and part-time employees on the payroll of operating manufacturing establishments during selected pay periods of each year. Ordinarily, it does not include employees reported at central administrative offices and certain auxiliary operations of multiplant manufacturing companies, such as central warehouses and research and development laboratories. Such centralized management and support service employees in 1958 represented about 4 percent of the all-manufacturing employment in 1958. For 1939 and later years, the data include employees at manufacturing establishments who were engaged in distribution and construction. The extent to which such employees were included in figures for earlier years is not known.

Data are shown for selected census years (1899, 1909, 1919, 1929, 1939, 1947, 1954, 1958, and 1963). Also, data appear for the years 1949 to 1953, 1955 to 1957, 1959 to 1962, and 1964 from the annual survey of manufactures. Data prior to 1899 are not shown, because of the inclusion of hand and neighborhood manufacturing activities. Comparable data for other census years between 1899 and 1939 are not available by geographic division.

Data for the nine Census geographic divisions prior to 1939 have not been adjusted to reflect the subsequent reclassification of some industries out of manufacturing. The aggregates of the nine divisions, therefore, average about 4 percent above the published national totals, which have been adjusted for these earlier years. These gross aggregates were used in calculating the regional percentages of the national average, but are not shown as a series in this report.

*Sources:* For the years 1899 through 1947 and 1954 through 1957 data are from 1957, U.S. Census of Manufactures: 1958 Volume III, Area Statistics; for 1949 through 1953, U.S. Census of Manufactures: 1954, Vol. III, Area Statistics; for 1959 and 1960, Annual Survey of Manufactures, 1961; for 1958, 1961, and 1962, Annual Survey of Manufactures, 1962; for 1963, U.S. Census of Manufactures: 1963, "General Statistics for States," preliminary report MC63(P)-9; and for 1964, preliminary data from the Annual Survey of Manufactures, 1964.

### Series C101 to C110

#### New Capital Expenditures and Gross Book Value of Assets for the United States and Census Geographic Divisions

The capital expenditure series, collected in the census of manufacturers, measure the expenditures for new plant and new equipment, in current dollars, by manufacturing establishments in the nine Census geographic divisions and the total United States.

New capital expenditures include expenditures for new structures, permanent additions, and major alterations to plants, and expenditures for new machinery and new equipment, that are chargeable to fixed-asset accounts and for which depreciation accounts are normally maintained. Expenditures for machinery and equipment include those made for replacement purposes as well as for additions to plant capacity. They do not include costs of maintenance and repairs charged as current expense. Also excluded are expenditures for land, used plant, and used equipment, and expenditures made by owners of plants and equipment leased to reporting manufacturers. Before 1951, the series do not include expenditures for plants under construction which are not yet in operation, or idle plants.

The data on gross book value of depreciable or depletable assets encompass all fixed depreciable or depletable assets on the books of the establishment at the end of the year. The value shown (book value) represents the actual cost of the assets at the time of purchase including all costs incurred in making the asset usable (such as transportation and installation). Figures on accumulated depreciation and depletion as well as allowances charged to depreciation or depletion for the current year are available in the census of manufactures reports but are not included in this report.

New capital expenditure data are shown for census years 1939, 1947, 1954, 1958, and 1963 and also for the years 1951 to 1953, 1955 to 1957, 1959 to 1962, and 1964, the latter data coming from the annual survey of manufactures. Gross book values of assets are shown as of December 31, 1957.

Also shown are expenditures, covering the period July 1940 to May 1944, for new plant and equipment authorized by the War Production Board. These data were converted to an annual rate by the Census Bureau for this report.

*Sources:* For 1939, data are from U.S. Census of Manufactures: 1939, Vol. I, Statistics by Subjects; July 1940 to May 1944 annual rate is from the Geographic Distribution of Manufacturing Facilities Expansion, July 1940 - May 1944, U.S. War Production Board; for 1947, from U.S. Census of Manufactures: 1947, Vol. I, General Summary; for 1951 through 1953, from U.S. Census of Manufactures: 1954, Vol. I, Summary Statistics; and for 1954 through 1958, from U.S. Census of Manufactures: 1958, Vol. I, Summary Statistics. For 1958 through 1962, data are from the Annual Survey of Manufactures, 1962, and for 1963, U.S. Census of Manufactures: 1963, "General Statistics for States," preliminary report MC63(P)-9; and for 1964, preliminary data from the Annual Survey of Manufactures, 1964.

### Series C111 to C209

#### National Income by Industry

National income by industry of origin represents the income accruing to the various factors of production involved in producing an industry's output. This income is the sum of employee compensation, proprietors income, corporate earnings, net interest, and rental income. Series A10 and A54 to A58 present more detailed discussions of national income.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

Data for 1929 to 1947 are based on the 1942 Standard Industrial Classification (SIC) and data for 1948 to 1965 on the 1957 SIC (See the 1957 edition of the Standard Industrial Classification Manual and its supplement (1963) issued by the U.S. Bureau of the Budget, Executive Offices of the President. This manual was prepared by experts in government and private industry.) Data are not strictly comparable between the two periods and, where necessary, adjustments have been made to insure comparability for growth rates.

The Martin series on Realized National Income (series C111 to C121) and the Kuznets series on Net Income Originating (series C122 to C131) exclude corporate profits taxes and include interest on government debt, whereas the Department of Commerce series on National Income (series C132 to C199) include corporate profits taxes and exclude interest on government debt. In addition, undistributed corporate profits are not included in the Martin series, but are in the Kuznets and Department of Commerce series.

Sources: Data for 1869 to 1937 are from Robert F. Martin, National Income in the United States, 1799-1938, National Industrial Conference Board, 1939. Data for 1919 to 1937 are from Simon Kuznets, National Income and Its Composition, 1919-1938, National Bureau of Economic Research. Data for 1929 to the present are from the Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series C210 to C234 Persons Engaged in Production by Industry

These series represent the number of persons engaged in producing an industry's output. The Kendrick series (C210 to C220) and the Commerce series (C221 to C234) are components of series A81 and A82, respectively. Series A81 and A82 present a more detailed discussion of persons engaged.

Sources: Data for 1869 to 1927 are from John W. Kendrick, Productivity Trends in the United States, National Bureau of Economic Research. Data for 1929 to date are from Survey of Current Business, U.S. Department of Commerce, Office of Business Economics.

### Series C235 to C247 Gross National Product by Industry

These series measure the physical volume of GNP originating in an industry or the contribution of the industry to the Nation's total output of final goods and services. See series A2 for a description of GNP. These series have not been revised to reflect the definitional and statistical revisions introduced in the National Income and Product Accounts by OBE in 1965, and are shown in 1954 dollars.

Source: Series C235 to C247 are from Survey of Current Business, October 1962 and September 1964 issues. U.S. Department of Commerce, Office of Business Economics. These series will appear in a future issue of Survey of Current Business on the revised basis.

### Series C248 to 267 Value Added by Manufacture, All Manufacturing and Major Industry Groups

These series, compiled in the census of manufactures, measure value added by manufacturing establishments by major industry groups (2-digit SIC) and value added in all manufacturing, in current dollars. (See the 1957 edition of the Standard Industrial Classification Manual and its supplement (1963) issued by the U.S. Bureau of the Budget, Executive Offices of the President. This manual was prepared by experts in government and private industry.)

Value added is defined as the difference between the value of shipments of manufactured products (plus receipts for services rendered) of manufacturing establishments and their cost of materials, supplies, containers, fuel, purchased electric energy and contract work. It is considered to be the best census value measure available for making comparisons of the relative economic importance among manufacturing industries. For 1954 and later years, value added by manufacture has been adjusted to include the value added by merchandising operations of manufacturing establishments and the net change in their inventories. For 1933 and prior years, the cost of contract work was not subtracted from the value of shipments in calculating value added.

Data are shown for each census of manufactures year since 1899, as well as for the years 1949 to 1953, 1955 to 1957, and 1959 to 1962 and 1964, in which the Annual Survey of Manufactures was conducted. Data prior to 1899 are not shown, because of the inclusion of hand and neighborhood manufacturing activities in the earlier census totals.

The data for several major industry groups, for years prior to World War II, could not be adjusted to reflect subsequent shifts in the classification of manufacturing industries from one major group to another or the reclassification of some activities out of the manufacturing sector. (This causes the percentages for some pre-World War II years to add to slightly more than 100 percent even though miscellaneous manufacturing is not shown.) For purposes of this report, therefore, it was necessary to combine earlier census data for the major groups involved in such classification changes, in order to minimize the existing historical non-comparability.

Note that the data from pre-World War II Census of Manufactures volumes (see "sources" below) are not exactly comparable with present SIC definitions and often do not provide a continuous series. For example, value-added figures for tobacco manufacturers before 1931 include internal revenue taxes. For this reason, value-added data for certain of the industry groups are not shown in appendix 3 for these early years and percentages are not shown in table 5 for miscellaneous manufacturing. The Census of Manufactures reports should be consulted for further details concerning the non-comparability for individual industry groups.

Sources: The 1899 data for SIC 20, 21, 33, 34, 35, and 37 are from Abstract of the Census of Manufactures, 1914. The 1904 to 1909 data for SIC 20, 21, 22, 34, 35, and 37 are from Abstract of the Census of Manufactures, 1919.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

The 1914 to 1919 data for SIC 20, and the 1914 to 1927 data for SIC 21, 33, 34, 35, and 37 are from the 1929 Census of Manufactures.

The 1929 data for SIC 33 and 34 and the 1929 to 1935 data for SIC 35 and 37 are from the 1935 Census of Manufactures.

The 1931 to 1935 data for SIC 21, 33, and 34 are from the 1937 Census of Manufactures.

The 1899 to 1957 data for all manufacturing; for SIC 22 to 32, 36, and 38; for SIC 20 beginning in 1921; for SIC 21 beginning in 1931; and for SIC 33 to 35 and SIC 37 beginning in 1937 are from the 1958 Census of Manufactures.

The 1959 and 1960 data are from the 1961 Annual Survey of Manufactures and the 1958, 1961, and 1962 data are from the 1962 Annual Survey. The 1963 data are from the 1963 Census of Manufactures and the 1964 data are from the 1964 Annual Survey.

Percentages shown in table 5 for SIC groups 33 and 34 combined were derived by summing the "iron and steel and their products, not including machinery" group and the "non-ferrous metals and their products" group from earlier census volumes for years before 1937. SIC 35 was obtained by subtracting "electrical machinery, apparatus and supplies" from the "machinery, not including transportation equipment" group for 1914 through 1935. SIC 37 consists of the "transportation equipment, air, land, and water" group from 1914 to 1933 and the "vehicles for land transportation" group before 1914.

### Series C268 to C306 Indexes of Production for All Manufacturing and Major Industry Groups

These indexes compiled by the Board of Governors of the Federal Reserve System measure the changes in the physical volume of production in the major industry groups (2-digit SIC) and in all manufacturing. The all-manufacturing index accounts for about 85 percent of total industrial production (series A16).

Many of the annual series are based on data collected in the census of manufactures. Other sources include the Bureau of Mines, the Internal Revenue Service, and various trade associations.

To compute the 1923-26 business cycle average, it was necessary to rebase the data for this period since it was on a 1935-39 = 100 base as compared to a 1957-59 = 100 base for the data for 1947 to date. This was done by multiplying the annual data for 1923 to 1926 by the ratio of the two 1947 figures.

Also, this base revision caused some discontinuities at the group level and it was necessary to combine certain groups in the 1947 to 1953 period. Four such combinations were necessary.

1. "Iron and Steel" and "Nonferrous Metals and Products" were combined into "Primary and Fabricated Metals";
2. "Manufactured Food Products" and, "Alcoholic Beverages" were combined into "Foods and Beverages";

3. "Textiles and Products" became "Textile Mill Products" and "Apparel Products";

4. "Machinery" became "Nonelectrical Machinery" and "Electrical Machinery."

For those combinations not published as such, the technique used at the Census Bureau was to multiply the annual data for a group by the 1935-39 or 1957-59 weight assigned the group (in the total index), add the two such weighted groups together year by year, and then divide each sum by the total of the two weights used.

Sources: Series C268 to C285 are from Revision of Industrial Production Index, October 1943; Industrial Production, by Industries, Annual Indexes 1935-39 = 100, June 1954; Series C286 to C306 are from Industrial Production, 1957-59 Base, Industrial Production Indexes, 1961-64, September 1965; Federal Reserve Statistical Release, Business Indexes, May 1966, Board of Governors of the Federal Reserve System.

### Series C307 to C431 Indexes of Production, Industry Components

These indexes are components of series C286 to C306 described above. Basic data for these components are not shown in appendix 3, but titles and selected growth rates are shown in chart 14.

Sources: Industrial Production, 1957-59 Base, Industrial Production Indexes, 1961-1964, September 1965, Federal Reserve Statistical Release, Business Indexes, May 1966.

### Series C432 to C646 Value Added by Manufacture, 4-Digit SIC Industries

These series are components of series C248 to C267 described above. Basic data for the 4-digit industries are not shown in appendix 3, but titles and selected percentage changes are shown in chart 15.

Sources: Data for 1947 to 1963 are from the 1963 Census of Manufactures, data for 1964 are from the 1964 Annual Survey of Manufactures.

### Series D1 to D7 Total Output for the United States and Six Countries, Indexes: 1913 = 100

These series measure the total output of the United States (series D1), Japan (series D2), West Germany (series D3), the United Kingdom (series D4), France (series D5), Italy (series D6), and Canada (series D7). They refer, in most cases, to gross domestic product at market prices, although in some cases to net and/or national product.

Maddison has adjusted the data from various government and private sources to conform as closely as possible to the Organisation for Economic Cooperation and Development (OECD) definitions (see series D8 to D14) and, where necessary, has adjusted the historical series to reflect present geographic boundaries.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

For the United States, Maddison used Kendrick's Commerce Department concept estimates of gross domestic product (series A1 less estimates of income from abroad), for 1889 to 1938. He adjusted the figures for 1913 to 1938 upward to include depreciation on government property using Goldsmith's estimates (from A Study of Saving). This adjustment ranged from 0.5 percent of GNP in 1913 to 2.0 percent in 1933. For 1871, Maddison raised the published Kuznets figure (Variant III concept of GNP) by 15 percent (see series A3).

In preparing the data for the other countries, Maddison has used many different sources. For the years 1870 to 1938 his sources include the following:

France: Colin Clark, Conditions of Economic Progress, 3rd edition, Macmillan, London, 1957; I. Svennilson, Growth and Stagnation in the European Economy, E.C.E., Geneva, 1954;

Germany: W. G. Hoffmann and J. H. Müller, Das Deutsche Volkseinkommen, 1851-1957, Tübingen, 1959; A. Jacobs and H. Richter, "Die Grosshandelspreise in Deutschland von 1792 bis 1934," Sonderheft des Instituts für Konjunkturforschung, No. 37 Berlin, 1935; Ferdinand Grünig, "Die Anfänge der Volkswirtschaftlichen Gesamtrechnung in Deutschland," Beiträge zur empirischen Konjunkturforschung, Berlin, 1950; Statistisches Jahrbuch für die Bundesrepublik Deutschland 1961;

Italy: Annali di Statistica, Serie VIII, Volume 9, Istituto Centrale di Statistica, Rome, 1957;

United Kingdom: James B. Jefferys and Dorothy Walters, "National Income and Expenditure of the U.K., 1870-1952," Income and Wealth, Series V, Bowes and Bowes, London, 1955; Colin Clark, op. cit.;

Canada: O. J. Firestone, Canada's Economic Development 1867-1953, London, 1958; National Accounts Income and Expenditure, 1926-56, Dominion Bureau of Statistics, Ottawa.

For 1938 to 1955, Maddison has relied on data from various OECD publications.

The data presented in this report are essentially the same as those in Economic Growth in the West, except for revised figures to be presented in a forthcoming publication by Maddison, The Economics of Maximum Growth. Data in appendix 3 are shown to 1964. These figures show the same movements as the OECD data, except for France and West Germany. Maddison's data include revisions not shown in the latest OECD publication. Also, Maddison has adjusted the OECD data for West Germany to exclude the Saar and West Berlin for 1960 to data.

Sources: Series D1 to D7 are from Angus Maddison, Economic Growth in the West, Twentieth Century Fund, and The Economics of Maximum Growth, forthcoming.

### Series D8 to D14

#### Gross National Product for the United States and Six Countries

These series measure real GNP at market prices for the United States and six other countries.

GNP is defined by the Organisation for Economic Co-operation and Development (OECD) as the market value of the output of goods and services free of duplication produced by the Nation's economy before deduction of depreciation and other operating provisions. To secure better intercountry comparability, the concepts and definitions of the Standardized System of National Accounts (OEEC, Paris 1958) were used by the OECD to adjust the published country statistics wherever possible. The official U.S. gross national product series (A2) was adjusted by adding military retirement and muster-out payments, research transfers by Department of Defense and Atomic Energy Commission, assumed depreciation on government buildings, and certain personal taxes, and by subtracting net interest originating in households and institutions. In 1960, the net effect of these adjustments was plus 961 million current dollars or 0.2 percent of total GNP. The adjustments for the United Kingdom and Canada were both less than 1 percent. The adjustment for France was plus 12 percent; for Italy plus 5 percent. Germany received no adjustment. For a detailed explanation, see "Notes on Sources and Adjustments," in Statistics of National Accounts, 1950-1961, published by the OECD.

The data for GNP of West Germany include the Saar and West Berlin from 1960 forward. The data for GNP of France contain important revisions for the years 1958 to 1964 which have not been carried back to the data for previous years.

Source: Series D8 to D14 are from National Accounts Statistics, 1955-1964, March 1966, Organization for Economic Cooperation and Development (formerly Organisation for European Economic Cooperation, OEEC).

### Series D15 to D27

#### Employment for the United States and Six Countries

These series measure total civilian employment for the United States (series D15, D21), Japan (series D22), West Germany (series D16, D23), the United Kingdom (series D17, D24), France (series D18, D25), Italy (series D19, D26), and Canada (series D20, D27).

Data for 1870 to 1950 (1954) are from Maddison who has derived the employment figures by adjusting labor force data by the unemployment rate. For 1870 to 1913, he assumed that the labor force moved parallel to the population of working age (15 to 64 years). For 1913 to 1950, the labor force figures were obtained by interpolating labor force activity rates between population census years. Definitions of the active labor force and of persons considered unemployed vary among these countries and therefore affect the comparability of the data.

Data for 1950 (1954 for France and Italy and 1953 for Japan) to date are from the OECD which defines a person as employed if he is above a specified age (varying among countries) and is either at work or has a job but is temporarily absent. Also included are employers and persons working on their own account, and unpaid family workers who work at least one-third of the normal working time. Specifically excluded are workers temporarily laid off for an indefinite period without pay, and unpaid family workers devoting less



## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

than one-third the normal working time in a family business or farm. This is only a recommended definition and the actual data for most of the countries do not fit the definition in some respects.

The estimates for the United States are the same as those published by the Bureau of Labor Statistics based on labor force data (series A80).

*Sources:* Data for 1870 to 1950 are from Angus Maddison, Economic Growth In The West, Twentieth Century Fund. Data for 1950 to 1953 are from Manpower Statistics, 1950-1962, OECD. Data for 1954 to 1964 are from Manpower Statistics, 1954-1964, OECD.

### Series D28 to D40 Output Per Employee for the United States and Six Countries

These series measure total output per employee for the United States (series D28, D34), Japan (series D35), West Germany (series D29, D36), the United Kingdom (series D30, D37), France (series D31, D38), Italy (series D32, D39), and Canada (series D33, E40).

These series were derived by dividing the output series (D1 to D14) by the appropriate employment series (D15 to D27).

*Sources:* For series D28 to D40, see sources for series D1 to D14 and D15 to D27.

### Series D41 to D53 Population for the United States and Six Countries

These series measure population for the United States (series D41, D47), Japan (series D48), West Germany (series D42, D49), the United Kingdom (series D43, D50), France (series D44, D51), Italy (series D45, D52), and Canada (series D46, D53).

Data for 1870 to 1950 are from Maddison who has adjusted country estimates to refer to constant territory.

Data for 1950 to date are from the OECD which defines population to include all nationals present in or temporarily absent from the country and aliens permanently settled in the country. Data refer to midyear and to the territory of the country in 1964.

The population estimates for the United States differ from those of series A106 for the years 1950 to 1959 because of the inclusion of estimates for Hawaii and Alaska by the OECD.

*Sources:* Same sources as for series D15 to D27.

### Series D54 to D66 Per Capita Gross National Product for the United States and Six Countries

These series measure total output per capita for the United States (series D54, D60), Japan (series D61), West Germany (series D55, D62), the United Kingdom (series D56, D63),

France (series D57, D64), Italy (series D58, D65), and Canada (series D59, D66).

These series were derived by dividing the output series (D1 to D14) by the appropriate population series (D41 to D53).

*Sources:* For series D54 to D66, see sources for series D1 to D14 and D41 to D53.

### Series D67 to D87 Percent Distribution by Industry, of National Product, Current Prices for the United States and Six Countries

These series show the percent distribution of national product (sometimes national income) by two major industrial divisions, agriculture (including forestry and fishing for France, Italy, Canada, and Japan) and manufacturing, construction, and mining. Also shown is the percent of output originating in all other industries (mainly comprised of services). The second industry includes gas and electricity for Italy, does not include construction for the United Kingdom, and is comprised of industry excluding handicrafts for Germany. The data shown are not necessarily an average for the entire time periods shown on table 8, but usually represent a year or an average of the available years within the time period.

*Sources:* Data for series D67 to D87 are from Simon Kuznets, "Quantitative Aspects of the Economic Growth of Nations, II, Industrial Distribution of National Product and Labor Force," Economic Development and Cultural Change, Supplement to Volume V, Number 4, July 1957.

### Series D88 to D122 Percent Distribution of Total Output in Current Prices, by Industry of Origin for the United States and Six Countries

These series for the United States and six foreign countries show the distribution of total output by industry of origin. The services division includes ownership of dwellings, health and educational services, public administration and defense, and other miscellaneous services. For qualifications of the industrial divisions, see sources.

*Sources:* Data for 1950 to 1954 are from Statistics of National Accounts, 1950-1961; for 1955 to 1964, are from National Accounts Statistics, 1955-1964, both published by the Organization for Economic Cooperation and Development.

### Series D123 to D143 Percent Distribution of the Labor Force by Industry, for the United States and Six Countries

These series show the percent distribution of the labor force by two major industrial divisions, agriculture-forestry-fishing and manufacturing-construction-mining. Also shown is the percent of the labor force in all other industries (comprised mainly of services). The data shown are not necessarily an average for the entire time periods shown on table 9, but usually represent a year or an average of the available years within the time period.

## SERIES DESCRIPTIONS AND SOURCES – CONTINUED

*Sources:* Data for series D123 to D143 are from Simon Kuznets, "Quantitative Aspects of the Economic Growth of Nations, II, Industrial Distribution of National Product and Labor Force," Economic Development and Cultural Change, Supplement to Volume V, Number 4, July 1957.

### Series D144 to D178

**Percent Distribution of Employment, by Industry of Origin for the United States and Six Countries**

These series for the United States and six foreign countries show the distribution of employment by industry. The services division includes ownership of dwellings, health and educational services, public administration and defense, and other miscellaneous services. For qualifications of the industrial divisions, see sources.

*Sources:* Data for 1950 to 1953 are from Manpower Sta-

tistics, 1950-1962, OECD. Data for 1954 to 1964 are from Manpower Statistics, 1954-1964, OECD.

### Series D179 to D192

**Gross Domestic Fixed Asset Formation as a Percent of Total Output for the United States and Six Countries**

These series show the proportion of total output (usually GNP) in current prices devoted to investment carried on by both private enterprise and government. Gross fixed asset formation is defined to include residential construction, other construction, and machinery and equipment.

*Sources:* Data for 1870 to 1949 are from Economic Growth in the West, Twentieth Century Fund. Data for 1950 to 1954 are from Statistics of National Accounts, 1950-1961, and for 1955 to 1964, from National Accounts Statistics, 1955-1964, both published by the Organisation for Economic Cooperation and Development.



### APPENDIX 3. BASIC DATA

The following pages contain the basic data underlying the charts and tables shown in this report. The data are from both government and nongovernment sources.

Those statistics which originate in government agencies are not copyrighted and may be reprinted freely. Data from nongovernment sources have been provided through the courtesy of the various authors and publishers. Many of these may also be reprinted freely, but several are subject to copyrights as indicated in the footnotes.

Please note that many series are revised periodically to take account of additional information such as benchmark statistics. The data shown in this report are the latest available from the various sources as of August 1, 1966. Consequently, the most recent year or two are often preliminary estimates subject to revision in later issues of the sources noted in appendix 2.

Generally, U.S. data include Alaska and Hawaii beginning in 1960.

#### PUNCH CARD FILE OF SERIES DATA

A punch card file containing data for many of the series included in this report is maintained at the Bureau of the Census. Duplicate cards for these series may be purchased at cost. Inquiries for information about costs and availability of series should be sent to Julius Shiskin, Chief Economic Statistician, Bureau of the Census, Washington, D.C. 20233.



## Series A1 to A11

| Year      | Gross national product     |                            |                            | Potential gross national product |                            | A6. Net national product:<br>NBER, Kendrick<br><br>(Millions of 1929 dollars) | Gross national product |                       | National income              |                       | A11. Per capita GNP: NBER, Kendrick<br><br>(1929 dollars) |
|-----------|----------------------------|----------------------------|----------------------------|----------------------------------|----------------------------|---|------------------------|-----------------------|------------------------------|-----------------------|---|
|           | A1. NBER, Kendrick         | A2. OBE                    | A3. NBER, Kuznets          | A4. CEA                          | A5. JEC                    |   | A7. NBER, Kendrick     | A8. OBE               | A9. Goldsmith-NBER, Kendrick | A10. OBE              |   |
|           | (Millions of 1929 dollars) | (Billions of 1958 dollars) | (Billions of 1929 dollars) | (Billions of 1958 dollars)       | (Billions of 1954 dollars) |   | (Millions of dollars)  | (Millions of dollars) | (Billions of dollars)        | (Millions of dollars) |   |
| 1860..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1861..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1862..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1863..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1864..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1865..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1866..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1867..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1868..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1869..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1870..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1871..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1872..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1873..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1874..... | <sup>1</sup> 11,463        | ...                        | <sup>1</sup> 10.5          | ...                              | ...                        | <sup>1</sup> 10,586   | <sup>1</sup> 7,409     | ...                   | ...                          | ...                   | <sup>1</sup> 263  |
| 1875..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1876..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1877..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1878..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1879..... | ...                        | ...                        | <sup>2</sup> 15.1          | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1880..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1881..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1882..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1883..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1884..... | <sup>3</sup> 21,048        | ...                        | <sup>3</sup> 19.7          | ...                              | ...                        | <sup>3</sup> 19,324   | <sup>3</sup> 11,211    | ...                   | ...                          | ...                   | <sup>3</sup> 384  |
| 1885..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1886..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1887..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1888..... | ...                        | ...                        | ...                        | ...                              | ...                        | ...   | ...                    | ...                   | ...                          | ...                   | ...   |
| 1889..... | 24,391                     | ...                        | 23.4                       | ...                              | ...                        | 22,003  | 12,485                 | ...                   | ...                          | ...                   | 395   |
| 1890..... | 26,196                     | ...                        | 24.6                       | ...                              | ...                        | 23,656  | 13,129                 | ...                   | ...                          | ...                   | 415   |
| 1891..... | 27,365                     | ...                        | 25.6                       | ...                              | ...                        | 24,674  | 13,530                 | ...                   | ...                          | ...                   | 425   |
| 1892..... | 30,010                     | ...                        | 26.2                       | ...                              | ...                        | 27,181  | 14,273                 | ...                   | ...                          | ...                   | 457   |
| 1893..... | 28,569                     | ...                        | 27.1                       | ...                              | ...                        | 25,615  | 13,849                 | ...                   | ...                          | ...                   | 427   |
| 1894..... | 27,756                     | ...                        | 27.6                       | ...                              | ...                        | 24,710  | 12,619                 | ...                   | ...                          | ...                   | 407   |
| 1895..... | 31,082                     | ...                        | 28.2                       | ...                              | ...                        | 27,951  | 13,928                 | ...                   | ...                          | ...                   | 447   |
| 1896..... | 30,444                     | ...                        | 29.2                       | ...                              | ...                        | 27,208  | 13,295                 | ...                   | ...                          | ...                   | 429   |
| 1897..... | 33,327                     | ...                        | 30.9                       | ...                              | ...                        | 29,972  | 14,617                 | ...                   | ...                          | ...                   | 462   |
| 1898..... | 34,068                     | ...                        | 32.3                       | ...                              | ...                        | 30,596  | 15,388                 | ...                   | ...                          | ...                   | 464   |
| 1899..... | 37,172                     | ...                        | <sup>4</sup> 34.6          | ...                              | ...                        | 33,577  | 17,356                 | ...                   | <sup>5</sup> 14.6            | ...                   | 497   |
| 1900..... | 38,197                     | ...                        | 36.4                       | ...                              | ...                        | 34,478  | 18,684                 | ...                   | ...                          | ...                   | 502   |
| 1901..... | 42,587                     | ...                        | 38.6                       | ...                              | ...                        | 38,739  | 20,668                 | ...                   | ...                          | ...                   | 549   |
| 1902..... | 43,004                     | ...                        | 40.0                       | ...                              | ...                        | 39,015  | 21,554                 | ...                   | ...                          | ...                   | 543   |
| 1903..... | 45,123                     | ...                        | 41.8                       | ...                              | ...                        | 40,977  | 22,864                 | ...                   | ...                          | ...                   | 560   |
| 1904..... | 44,559                     | ...                        | 43.8                       | ...                              | ...                        | 40,261  | 22,850                 | ...                   | <sup>6</sup> 20.7            | ...                   | 542   |
| 1905..... | 47,870                     | ...                        | 45.9                       | ...                              | ...                        | 43,417  | 25,116                 | ...                   | ...                          | ...                   | 571   |
| 1906..... | 53,420                     | ...                        | 46.6                       | ...                              | ...                        | 48,763  | 28,720                 | ...                   | ...                          | ...                   | 625   |
| 1907..... | 54,277                     | ...                        | 48.6                       | ...                              | ...                        | 49,380  | 30,404                 | ...                   | ...                          | ...                   | 624   |
| 1908..... | 49,790                     | ...                        | 50.2                       | ...                              | ...                        | 44,686  | 27,699                 | ...                   | ...                          | ...                   | 561   |
| 1909..... | 55,893                     | 116.8                      | 50.9                       | ...                              | 101.0                      | 50,625  | 32,166                 | 33,400                | <sup>7</sup> 27.2            | ...                   | 618   |

|           |         |                    |       |       |       |         |         |         |       |         |       |
|-----------|---------|--------------------|-------|-------|-------|---------|---------|---------|-------|---------|-------|
| 1910..... | 56,499  | 120.1              | 52.1  | ...   | 103.9 | 51,026  | 33,360  | 35,300  | ...   | ...     | 611   |
| 1911..... | 58,312  | 123.2              | 54.8  | ...   | 106.4 | 52,631  | 34,268  | 35,800  | ...   | ...     | 621   |
| 1912..... | 61,058  | 130.2              | 55.2  | ...   | 108.9 | 55,179  | 37,311  | 39,400  | ...   | ...     | 640   |
| 1913..... | 63,475  | 131.4              | 55.8  | ...   | 111.3 | 57,383  | 39,067  | 39,600  | ...   | ...     | 653   |
| 1914..... | 58,636  | 125.6              | 57.9  | ...   | 114.5 | 52,360  | 36,424  | 38,600  | 834.8 | ...     | 592   |
| 1915..... | 60,424  | 124.5              | 59.1  | ...   | 116.5 | 54,011  | 38,738  | 40,000  | ...   | ...     | 601   |
| 1916..... | 68,870  | 134.3              | 59.6  | ...   | 118.7 | 62,293  | 49,768  | 48,300  | ...   | ...     | 675   |
| 1917..... | 67,264  | 135.2              | 62.3  | ...   | 121.8 | 60,478  | 59,945  | 60,400  | ...   | ...     | 651   |
| 1918..... | 73,361  | 151.8              | 64.9  | ...   | 125.0 | 66,403  | 76,176  | 76,400  | ...   | ...     | 711   |
| 1919..... | 74,158  | 146.4              | 67.8  | ...   | 126.7 | 66,695  | 78,907  | 84,000  | 70.2  | ...     | 710   |
| 1920..... | 73,313  | 140.0              | 68.5  | ...   | 130.4 | 65,933  | 88,856  | 91,500  | 79.1  | ...     | 689   |
| 1921..... | 71,583  | 127.8              | 65.5  | ...   | 134.4 | 64,633  | 73,938  | 69,600  | 64.0  | ...     | 660   |
| 1922..... | 75,788  | 148.0              | 70.4  | ...   | 137.9 | 68,423  | 73,990  | 74,100  | 63.1  | ...     | 689   |
| 1923..... | 85,819  | 165.9              | 80.0  | ...   | 143.0 | 78,254  | 86,115  | 85,100  | 74.3  | ...     | 767   |
| 1924..... | 88,361  | 165.5              | 81.6  | ...   | 149.5 | 80,700  | 87,561  | 84,700  | 75.2  | ...     | 774   |
| 1925..... | 90,529  | 179.4              | 84.3  | ...   | 154.9 | 82,570  | 91,308  | 93,100  | 78.2  | ...     | 782   |
| 1926..... | 96,405  | 190.0              | 89.8  | ...   | 161.6 | 87,859  | 97,694  | 97,000  | 83.7  | ...     | 821   |
| 1927..... | 97,337  | 189.8 <sup>6</sup> | 90.6  | ...   | 168.5 | 88,768  | 96,279  | 94,900  | 81.7  | ...     | 818   |
| 1928..... | 98,503  | 190.9              | 91.9  | ...   | 175.2 | 89,591  | 98,164  | 97,000  | 82.8  | ...     | 817   |
| 1929..... | 104,436 | 203.6              | 98.0  | ...   | 178.5 | 95,204  | 104,436 | 103,095 | ...   | 86,795  | 858   |
| 1930..... | 95,130  | 183.5              | 90.5  | ...   | 190.1 | 86,070  | ...     | 90,367  | ...   | 75,382  | 772   |
| 1931..... | 89,454  | 169.3              | 80.2  | ...   | 192.5 | 80,712  | ...     | 75,820  | ...   | 59,609  | 721   |
| 1932..... | 76,403  | 144.2              | 66.4  | ...   | 192.2 | 68,122  | ...     | 58,049  | ...   | 42,785  | 611   |
| 1933..... | 74,178  | 141.5              | 65.7  | ...   | 193.0 | 66,217  | ...     | 55,601  | ...   | 40,312  | 590   |
| 1934..... | 80,761  | 154.3              | 71.3  | ...   | 195.2 | 72,830  | ...     | 65,054  | ...   | 49,515  | 639   |
| 1935..... | 91,435  | 169.5              | 78.8  | ...   | 199.5 | 83,351  | ...     | 72,247  | ...   | 57,208  | 718   |
| 1936..... | 100,907 | 193.0              | 86.9  | ...   | 204.1 | 92,530  | ...     | 82,481  | ...   | 65,013  | 787   |
| 1937..... | 109,112 | 203.2              | 96.2  | ...   | 209.7 | 100,489 | ...     | 90,446  | ...   | 73,650  | 846   |
| 1938..... | 103,232 | 192.9              | 90.6  | ...   | 216.3 | 94,594  | ...     | 84,670  | ...   | 67,372  | 794   |
| 1939..... | 110,994 | 209.4              | 98.2  | ...   | 222.7 | 102,220 | ...     | 90,494  | ...   | 72,564  | 847   |
| 1940..... | 121,008 | 227.2              | 107.0 | ...   | 229.0 | 111,998 | ...     | 99,678  | ...   | 81,124  | 916   |
| 1941..... | 138,698 | 263.7              | 119.9 | ...   | 236.1 | 128,815 | ...     | 124,540 | ...   | 104,222 | 1,040 |
| 1942..... | 154,656 | 297.8              | 116.4 | ...   | 246.0 | 143,618 | ...     | 157,910 | ...   | 137,065 | 1,147 |
| 1943..... | 170,206 | 337.1              | 115.3 | ...   | 256.9 | 158,578 | ...     | 191,592 | ...   | 170,322 | 1,245 |
| 1944..... | 183,584 | 361.3              | 119.7 | ...   | 268.8 | 171,001 | ...     | 210,104 | ...   | 182,592 | 1,327 |
| 1945..... | 180,939 | 355.2              | 122.7 | ...   | 277.1 | 168,110 | ...     | 211,945 | ...   | 181,485 | 1,293 |
| 1946..... | 165,605 | 312.6              | 143.0 | ...   | 279.5 | 154,232 | ...     | 208,509 | ...   | 181,879 | 1,171 |
| 1947..... | 164,134 | 309.9              | 144.1 | ...   | 284.3 | 151,020 | ...     | 231,323 | ...   | 199,018 | 1,139 |
| 1948..... | 173,021 | 323.7              | 149.0 | ...   | 290.8 | 158,585 | ...     | 257,562 | ...   | 224,176 | 1,180 |
| 1949..... | 170,637 | 324.1              | 144.0 | ...   | 303.1 | 155,321 | ...     | 256,484 | ...   | 217,494 | 1,144 |
| 1950..... | 187,411 | 355.3              | 162.0 | ...   | 314.1 | 171,358 | ...     | 284,769 | ...   | 241,074 | 1,236 |
| 1951..... | 199,419 | 383.4              | 167.6 | ...   | 326.6 | 182,166 | ...     | 328,404 | ...   | 277,978 | 1,293 |
| 1952..... | 205,800 | 395.1              | 169.2 | 395.8 | 340.2 | 189,091 | ...     | 345,498 | ...   | 291,380 | 1,311 |
| 1953..... | 213,964 | 412.8              | 173.6 | 409.7 | 354.6 | 196,329 | ...     | 364,593 | ...   | 304,734 | 1,341 |
| 1954..... | ...     | 407.0              | 174.8 | 424.0 | 369.2 | ...     | ...     | 364,841 | ...   | 303,138 | ...   |
| 1955..... | ...     | 438.0              | 189.8 | 438.0 | 386.0 | ...     | ...     | 397,960 | ...   | 331,018 | ...   |
| 1956..... | ...     | 446.1              | ...   | 454.2 | 404.5 | ...     | ...     | 419,238 | ...   | 350,799 | ...   |
| 1957..... | ...     | 452.5              | ...   | 470.0 | 423.3 | ...     | ...     | 441,134 | ...   | 366,096 | ...   |
| 1958..... | ...     | 447.3              | ...   | 486.4 | 437.8 | ...     | ...     | 447,334 | ...   | 367,762 | ...   |
| 1959..... | ...     | 475.9              | ...   | 503.5 | 456.3 | ...     | ...     | 483,650 | ...   | 400,025 | ...   |
| 1960..... | ...     | 487.7              | ...   | 521.1 | 472.8 | ...     | ...     | 503,755 | ...   | 414,522 | ...   |
| 1961..... | ...     | 497.2              | ...   | 539.3 | 488.4 | ...     | ...     | 520,109 | ...   | 427,341 | ...   |
| 1962..... | ...     | 529.8              | ...   | 558.2 | 508.2 | ...     | ...     | 560,325 | ...   | 457,687 | ...   |
| 1963..... | ...     | 551.0              | ...   | 578.6 | 528.4 | ...     | ...     | 590,503 | ...   | 481,927 | ...   |
| 1964..... | ...     | 560.0              | ...   | 600.3 | 549.4 | ...     | ...     | 631,712 | ...   | 517,281 | ...   |
| 1965..... | ...     | 614.4              | ...   | 622.8 | ...   | ...     | ...     | 681,207 | ...   | 559,020 | ...   |

<sup>1</sup>Decade average, 1869-78. <sup>2</sup>Decade average, 1874-83. <sup>3</sup>Decade average, 1879-88. <sup>4</sup>1899-1918 5-year moving average of annual estimates.

<sup>5</sup>5-year average, 1897-1901. <sup>6</sup>5-year average, 1902-06. <sup>7</sup>5-year average, 1907-11. <sup>8</sup>5-year average, 1912-16.

## Series A12 to A22

| Year      | A12. Per capita<br>GNP: OBE | Gross private domestic<br>product                           |   | Industrial production<br>index         |                              | Gross nonfarm product                                       |   | A19. Manu-<br>facturing out-<br>put index:<br>NBER, Kend-<br>rick | A20. Gross man-<br>ufacturing prod-<br>uct: OBE | Gross farm product  |   |
|-----------|-----------------------------|---|---|--|------------------------------|---|---|---|---|---|---|
|           | (1958 dollars)              | A13. NBER,<br>Kendrick<br><br>(Millions of<br>1929 dollars) | A14. OBE<br><br>(Billions of<br>1958 dollars) | A15. NBER,<br>Nutter<br><br>(1913=100) | A16. FR<br><br>(1957-59=100) | A17. NBER,<br>Kendrick<br><br>(Millions of<br>1929 dollars) | A18. OBE<br><br>(Billions of<br>1958 dollars) | (1929=100)  | (Billions of<br>1954 dollars)                   | A21. NBER,<br>Kendrick<br><br>(Millions of<br>1929 dollars) | A22. OBE<br><br>(Billions of<br>1958 dollars) |
| 1860..... | ...                         | ...   | ...   | 7.48                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1861..... | ...                         | ...   | ...   | 7.49                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1862..... | ...                         | ...   | ...   | 6.94                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1863..... | ...                         | ...   | ...   | 7.88                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1864..... | ...                         | ...   | ...   | 8.35                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1865..... | ...                         | ...   | ...   | 8.00                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1866..... | ...                         | ...   | ...   | 9.84                                   | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1867..... | ...                         | ...   | ...   | 10.30                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1868..... | ...                         | ...   | ...   | 10.80                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1869..... | ...                         | ...   | ...   | 11.60                                  | ...                          | ...   | ...   | 7.1   | ...   | ...   | ...   |
| 1870..... | ...                         | ...   | ...   | 11.70                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1871..... | ...                         | ...   | ...   | 12.30                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1872..... | ...                         | ...   | ...   | 14.60                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1873..... | ...                         | ...   | ...   | 14.40                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1874..... | ...                         | <sup>1</sup> 10,881   | ...   | 13.90                                  | ...                          | <sup>1</sup> 6,592  | ...   | ...   | ...   | <sup>1</sup> 4,289  | ...   |
| 1875..... | ...                         | ...   | ...   | 13.50                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1876..... | ...                         | ...   | ...   | 13.40                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1877..... | ...                         | ...   | ...   | 14.60                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1878..... | ...                         | ...   | ...   | 15.50                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1879..... | ...                         | ...   | ...   | 17.50                                  | ...                          | ...   | ...   | 10.2  | ...   | ...   | ...   |
| 1880..... | ...                         | ...   | ...   | 20.30                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1881..... | ...                         | ...   | ...   | 22.30                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1882..... | ...                         | ...   | ...   | 23.90                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1883..... | ...                         | ...   | ...   | 24.40                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1884..... | ...                         | <sup>2</sup> 20,237   | ...   | 23.10                                  | ...                          | <sup>2</sup> 14,235   | ...   | ...   | ...   | <sup>2</sup> 6,002  | ...   |
| 1885..... | ...                         | ...   | ...   | 23.20                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1886..... | ...                         | ...   | ...   | 27.90                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1887..... | ...                         | ...   | ...   | 29.50                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1888..... | ...                         | ...   | ...   | 30.60                                  | ...                          | ...   | ...   | ...   | ...   | ...   | ...   |
| 1889..... | ...                         | 23,457  | ...   | 32.60                                  | ...                          | 16,633  | ...   | 18.3  | ...   | 6,824   | ...   |
| 1890..... | ...                         | 25,251  | ...   | 35.00                                  | ...                          | 18,536  | ...   | 19.7  | ...   | 6,715   | ...   |
| 1891..... | ...                         | 26,392  | ...   | 36.00                                  | ...                          | 19,405  | ...   | 20.2  | ...   | 6,987   | ...   |
| 1892..... | ...                         | 29,005  | ...   | 38.80                                  | ...                          | 22,370  | ...   | 21.9  | ...   | 6,635   | ...   |
| 1893..... | ...                         | 27,523  | ...   | 34.70                                  | ...                          | 21,059  | ...   | 19.4  | ...   | 6,464   | ...   |
| 1894..... | ...                         | 26,677  | ...   | 33.70                                  | ...                          | 19,988  | ...   | 18.8  | ...   | 6,689   | ...   |
| 1895..... | ...                         | 29,979  | ...   | 39.70                                  | ...                          | 22,867  | ...   | 22.4  | ...   | 7,112   | ...   |
| 1896..... | ...                         | 29,335  | ...   | 36.90                                  | ...                          | 21,708  | ...   | 20.4  | ...   | 7,627   | ...   |
| 1897..... | ...                         | 32,232  | ...   | 39.70                                  | ...                          | 24,034  | ...   | 22.0  | ...   | 8,198   | ...   |
| 1898..... | ...                         | 32,155  | ...   | 44.70                                  | ...                          | 24,194  | ...   | 25.1  | ...   | 8,561   | ...   |
| 1899..... | ...                         | 35,863  | ...   | 49.20                                  | ...                          | 27,306  | ...   | 27.5  | ...   | 8,557   | ...   |
| 1900..... | ...                         | 36,822  | ...   | 50.60                                  | ...                          | 28,185  | ...   | 27.7  | ...   | 8,637   | ...   |
| 1901..... | ...                         | 41,134  | ...   | 56.70                                  | ...                          | 32,551  | ...   | 30.9  | ...   | 8,583   | ...   |
| 1902..... | ...                         | 41,499  | ...   | 63.20                                  | ...                          | 32,985  | ...   | 35.5  | ...   | 8,514   | ...   |
| 1903..... | ...                         | 43,567  | ...   | 65.40                                  | ...                          | 34,795  | ...   | 35.4  | ...   | 8,772   | ...   |
| 1904..... | ...                         | 42,943  | ...   | 62.30                                  | ...                          | 33,942  | ...   | 34.2  | ...   | 9,001   | ...   |
| 1905..... | ...                         | 46,178  | ...   | 73.60                                  | ...                          | 37,071  | ...   | 39.0  | ...   | 9,107   | ...   |
| 1906..... | ...                         | 51,635  | ...   | 78.90                                  | ...                          | 42,041  | ...   | 41.6  | ...   | 9,594   | ...   |
| 1907..... | ...                         | 52,407  | ...   | 80.60                                  | ...                          | 43,245  | ...   | 42.1  | ...   | 9,162   | ...   |
| 1908..... | ...                         | 47,828  | ...   | 68.00                                  | ...                          | 38,486  | ...   | 33.7  | ...   | 9,342   | ...   |
| 1909..... | 1,351                       | 53,816  | ...   | 80.20                                  | ...                          | 44,664  | ...   | 43.4  | ...   | 9,152   | 14.3  |

BASIC DATA - CONTINUED

|           |       |         |       |        |       |         |       |       |       |        |      |
|-----------|-------|---------|-------|--------|-------|---------|-------|-------|-------|--------|------|
| 1910..... | 1,300 | 54,321  | ...   | 85.30  | ...   | 44,910  | ...   | 45.1  | ...   | 9,411  | 14.6 |
| 1911..... | 1,312 | 56,075  | ...   | 82.20  | ...   | 47,195  | ...   | 42.7  | ...   | 8,880  | 14.2 |
| 1912..... | 1,366 | 58,724  | ...   | 93.70  | ...   | 48,226  | ...   | 51.3  | ...   | 10,498 | 16.2 |
| 1913..... | 1,351 | 61,070  | ...   | 100.00 | ...   | 51,937  | ...   | 53.8  | ...   | 9,133  | 14.5 |
| 1914..... | 1,267 | 56,082  | ...   | 94.10  | ...   | 45,886  | ...   | 51.1  | ...   | 10,196 | 15.8 |
| 1915..... | 1,238 | 57,588  | ...   | 109.30 | ...   | 46,676  | ...   | 59.9  | ...   | 10,912 | 16.7 |
| 1916..... | 1,317 | 65,888  | ...   | 129.60 | ...   | 56,293  | ...   | 71.2  | ...   | 9,595  | 15.3 |
| 1917..... | 1,309 | 63,281  | ...   | 129.70 | ...   | 52,695  | ...   | 70.6  | ...   | 10,586 | 16.3 |
| 1918..... | 1,471 | 65,977  | ...   | 128.80 | ...   | 56,365  | ...   | 69.8  | ...   | 9,612  | 15.8 |
| 1919..... | 1,401 | 68,659  | ...   | 113.20 | 24.9  | 58,985  | ...   | 61.0  | ...   | 9,674  | 15.9 |
| 1920..... | 1,315 | 69,276  | ...   | 124.00 | 26.2  | 59,734  | ...   | 66.0  | ...   | 9,542  | 15.7 |
| 1921..... | 1,177 | 67,679  | ...   | 100.10 | 20.1  | 58,698  | ...   | 53.5  | ...   | 8,981  | 14.3 |
| 1922..... | 1,345 | 71,679  | ...   | 125.90 | 25.6  | 62,084  | ...   | 68.1  | ...   | 9,595  | 15.5 |
| 1923..... | 1,482 | 81,531  | ...   | 144.40 | 30.5  | 71,285  | ...   | 76.9  | ...   | 10,246 | 16.3 |
| 1924..... | 1,450 | 84,002  | ...   | 137.70 | 28.6  | 74,284  | ...   | 73.4  | ...   | 9,718  | 15.6 |
| 1925..... | 1,549 | 85,914  | ...   | 153.00 | 31.5  | 75,481  | ...   | 81.9  | ...   | 10,433 | 16.7 |
| 1926..... | 1,618 | 91,694  | ...   | 163.10 | 33.4  | 81,366  | ...   | 86.2  | ...   | 10,328 | 16.3 |
| 1927..... | 1,594 | 92,480  | ...   | 164.50 | 33.3  | 81,833  | ...   | 87.1  | ...   | 10,647 | 17.0 |
| 1928..... | 1,584 | 93,503  | ...   | 171.80 | 34.6  | 83,097  | ...   | 90.1  | ...   | 10,406 | 16.4 |
| 1929..... | 1,671 | 99,291  | 189.5 | 188.30 | 38.4  | 88,562  | 165.1 | 100.0 | ...   | 10,729 | 17.0 |
| 1930..... | 1,490 | 89,808  | 168.5 | 155.60 | 32.0  | 79,817  | 145.4 | 85.6  | ...   | 9,991  | 16.1 |
| 1931..... | 1,364 | 84,197  | 154.4 | 129.70 | 26.5  | 73,021  | 129.2 | 72.0  | ...   | 11,176 | 18.5 |
| 1932..... | 1,154 | 71,361  | 129.7 | 100.50 | 20.7  | 60,665  | 105.8 | 53.8  | ...   | 10,696 | 18.0 |
| 1933..... | 1,126 | 68,770  | 126.3 | 119.90 | 24.4  | 57,772  | 103.0 | 62.8  | ...   | 10,998 | 17.5 |
| 1934..... | 1,220 | 74,513  | 137.3 | 129.70 | 26.6  | 65,041  | 116.6 | 69.1  | ...   | 9,472  | 14.6 |
| 1935..... | 1,331 | 84,665  | 151.3 | 149.10 | 30.7  | 74,221  | 128.4 | 82.8  | ...   | 10,444 | 16.5 |
| 1936..... | 1,506 | 93,031  | 172.1 | 178.30 | 36.3  | 83,278  | 150.5 | 96.8  | ...   | 9,753  | 14.9 |
| 1937..... | 1,576 | 101,811 | 183.5 | 194.50 | 39.7  | 90,884  | 158.5 | 103.3 | ...   | 10,927 | 17.9 |
| 1938..... | 1,484 | 95,164  | 171.5 | 152.30 | 31.4  | 83,743  | 146.8 | 80.9  | ...   | 11,421 | 17.8 |
| 1939..... | 1,598 | 102,982 | 187.8 | 168.00 | 38.3  | 91,530  | 162.5 | 102.5 | ...   | 11,452 | 18.2 |
| 1940..... | 1,720 | 112,679 | 204.6 | 213.90 | 43.9  | 101,313 | 179.6 | 118.6 | ...   | 11,366 | 17.5 |
| 1941..... | 1,977 | 128,726 | 235.7 | 275.50 | 56.4  | 116,415 | 209.3 | 157.9 | ...   | 12,311 | 18.8 |
| 1942..... | 2,206 | 140,632 | 256.5 | 340.30 | 69.3  | 127,434 | 228.0 | 197.2 | ...   | 13,198 | 20.6 |
| 1943..... | 2,465 | 148,865 | 272.1 | 405.20 | 82.9  | 136,274 | 245.3 | 238.1 | ...   | 12,591 | 19.6 |
| 1944..... | 2,611 | 159,188 | 286.0 | 398.70 | 81.7  | 146,470 | 259.5 | 232.5 | ...   | 12,718 | 19.4 |
| 1945..... | 2,538 | 157,210 | 281.7 | 343.60 | 70.5  | 145,052 | 256.5 | 196.5 | ...   | 12,158 | 18.1 |
| 1946..... | 2,211 | 152,704 | 274.2 | 291.70 | 59.5  | 140,288 | 248.6 | 160.6 | ...   | 12,416 | 18.5 |
| 1947..... | 2,150 | 153,931 | 280.3 | 320.90 | 65.7  | 142,022 | 255.8 | 178.3 | 83.1  | 11,909 | 17.0 |
| 1948..... | 2,208 | 162,680 | 293.8 | 333.90 | 68.4  | 149,895 | 267.0 | 184.2 | 86.0  | 12,785 | 19.0 |
| 1949..... | 2,172 | 159,844 | 292.9 | 317.70 | 64.7  | 147,122 | 266.2 | 173.5 | 81.9  | 12,722 | 18.4 |
| 1950..... | 2,342 | 176,150 | 322.9 | 366.30 | 74.9  | 163,260 | 294.9 | 201.1 | 92.6  | 12,890 | 19.4 |
| 1951..... | 2,485 | 185,547 | 343.4 | 398.70 | 81.3  | 173,398 | 316.2 | 214.3 | 102.0 | 12,149 | 18.4 |
| 1952..... | 2,517 | 191,076 | 352.0 | 411.70 | 84.3  | 178,864 | 324.2 | 223.6 | 105.0 | 12,212 | 19.0 |
| 1953..... | 2,587 | 199,321 | 369.8 | 447.30 | 91.3  | 186,264 | 340.7 | 243.4 | 111.9 | 13,057 | 20.0 |
| 1954..... | 2,506 | ...     | 364.6 | 421.40 | 85.8  | ...     | 335.0 | 228.2 | 103.8 | ...    | 20.4 |
| 1955..... | 2,650 | ...     | 395.4 | 473.20 | 96.6  | ...     | 364.4 | 255.9 | 116.7 | ...    | 20.9 |
| 1956..... | 2,652 | ...     | 402.8 | 489.40 | 99.9  | ...     | 371.4 | 264.3 | 116.4 | ...    | 20.8 |
| 1957..... | 2,642 | ...     | 408.4 | 492.70 | 100.7 | ...     | 377.2 | ...   | 117.8 | ...    | 20.3 |
| 1958..... | 2,569 | ...     | 403.2 | 457.00 | 93.7  | ...     | 370.9 | ...   | 109.7 | ...    | 20.8 |
| 1959..... | 2,688 | ...     | 431.2 | 517.30 | 105.6 | ...     | 398.3 | ...   | 121.8 | ...    | 21.1 |
| 1960..... | 2,699 | ...     | 441.7 | ...    | 108.7 | ...     | 407.6 | ...   | 122.0 | ...    | 21.9 |
| 1961..... | 2,706 | ...     | 449.4 | ...    | 109.7 | ...     | 414.8 | ...   | 122.0 | ...    | 22.2 |
| 1962..... | 2,838 | ...     | 479.5 | ...    | 118.3 | ...     | 444.6 | ...   | 134.1 | ...    | 22.1 |
| 1963..... | 2,909 | ...     | 499.8 | ...    | 124.3 | ...     | 463.8 | ...   | 138.5 | ...    | 22.8 |
| 1964..... | 3,019 | ...     | 526.9 | ...    | 132.3 | ...     | 491.2 | ...   | ...   | ...    | 22.0 |
| 1965..... | 3,158 | ...     | 559.4 | ...    | 143.3 | ...     | 521.7 | ...   | ...   | ...    | 23.8 |

<sup>1</sup>Decade average, 1869-78. <sup>2</sup>Decade average, 1879-88.



## Series A23 to A33

| Year      | Personal consumption expenditures                 |  | Per capita personal consumption expenditures |                            | Gross private domestic investment                 |  | Gross fixed business investment                                     |  | Net exports of goods and services                 |  | A 33. Total government purchases of goods and services: NBER, Kendrick<br>(Millions of 1929 dollars) |
|-----------|---|--|--|----------------------------|---|--|---|--|---|--|--|
|           | A23. NBER, Kendrick<br>(Millions of 1929 dollars) | A24. OBE<br>(Billions of 1958 dollars) | A25. NBER, Kendrick<br>(1929 dollars)        | A26. OBE<br>(1958 dollars) | A27. NBER, Kendrick<br>(Millions of 1929 dollars) | A28. OBE<br>(Billions of 1958 dollars) | A29. NBER, Kuznets: 5-yr. moving avg.<br>(Billions of 1929 dollars) | A30. OBE<br>(Billions of 1958 dollars) | A31. NBER, Kendrick<br>(Millions of 1929 dollars) | A32. OBE<br>(Billions of 1958 dollars) |  |
| 1860..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1861..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1862..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1863..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1864..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1865..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1866..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1867..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1868..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1869..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1870..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | ...   | ...                                    | ...   | ...                                    | ...  |
| 1871..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.38  | ...                                    | ...   | ...                                    | ...  |
| 1872..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.45  | ...                                    | ...   | ...                                    | ...  |
| 1873..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.54  | ...                                    | ...   | ...                                    | ...  |
| 1874..... | <sup>1</sup> 8,214                                | ...                                    | <sup>1</sup> 189                             | ...                        | <sup>1</sup> 2,370                                | ...                                    | 1.64  | ...                                    | <sup>1</sup> -122                                 | ...                                    | <sup>1</sup> 1,001   |
| 1875..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.56  | ...                                    | ...   | ...                                    | ...  |
| 1876..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.48  | ...                                    | ...   | ...                                    | ...  |
| 1877..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.54  | ...                                    | ...   | ...                                    | ...  |
| 1878..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.65  | ...                                    | ...   | ...                                    | ...  |
| 1879..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 1.91  | ...                                    | ...   | ...                                    | ...  |
| 1880..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.18  | ...                                    | ...   | ...                                    | ...  |
| 1881..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.43  | ...                                    | ...   | ...                                    | ...  |
| 1882..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.56  | ...                                    | ...   | ...                                    | ...  |
| 1883..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.52  | ...                                    | ...   | ...                                    | ...  |
| 1884..... | <sup>2</sup> 15,569                               | ...                                    | <sup>2</sup> 284                             | ...                        | <sup>2</sup> 4,155                                | ...                                    | 2.47  | ...                                    | <sup>2</sup> -76                                  | ...                                    | <sup>2</sup> 1,400   |
| 1885..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.46  | ...                                    | ...   | ...                                    | ...  |
| 1886..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.50  | ...                                    | ...   | ...                                    | ...  |
| 1887..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.49  | ...                                    | ...   | ...                                    | ...  |
| 1888..... | ...   | ...                                    | ...  | ...                        | ...   | ...                                    | 2.96  | ...                                    | ...   | ...                                    | ...  |
| 1889..... | 18,004  | ...                                    | 291  | ...                        | 4,869   | ...                                    | 3.33  | ...                                    | -171  | ...                                    | 1,689  |
| 1890..... | 17,955  | ...                                    | 285  | ...                        | 6,710   | ...                                    | 3.89  | ...                                    | -225  | ...                                    | 1,756  |
| 1891..... | 19,247  | ...                                    | 299  | ...                        | 6,345   | ...                                    | 4.26  | ...                                    | -52   | ...                                    | 1,825  |
| 1892..... | 20,157  | ...                                    | 307  | ...                        | 8,054   | ...                                    | 4.61  | ...                                    | -110  | ...                                    | 1,909  |
| 1893..... | 20,256  | ...                                    | 302  | ...                        | 6,420   | ...                                    | 4.67  | ...                                    | -83   | ...                                    | 1,976  |
| 1894..... | 19,659  | ...                                    | 288  | ...                        | 6,067   | ...                                    | 4.61  | ...                                    | 4   | ...                                    | 2,026  |
| 1895..... | 22,119  | ...                                    | 318  | ...                        | 7,192   | ...                                    | 4.39  | ...                                    | -278  | ...                                    | 2,049  |
| 1896..... | 22,056  | ...                                    | 311  | ...                        | 6,088   | ...                                    | 4.32  | ...                                    | 195   | ...                                    | 2,105  |
| 1897..... | 23,794  | ...                                    | 330  | ...                        | 6,996   | ...                                    | 4.36  | ...                                    | 313   | ...                                    | 2,224  |
| 1898..... | 24,193  | ...                                    | 329  | ...                        | 6,405   | ...                                    | 4.64  | ...                                    | 891   | ...                                    | 2,579  |
| 1899..... | 27,053  | ...                                    | 362  | ...                        | 6,976   | ...                                    | 5.05  | ...                                    | 561   | ...                                    | 2,582  |
| 1900..... | 27,296  | ...                                    | 359  | ...                        | 7,491   | ...                                    | 5.65  | ...                                    | 831   | ...                                    | 2,579  |
| 1901..... | 30,651  | ...                                    | 395  | ...                        | 8,605   | ...                                    | 6.21  | ...                                    | 679   | ...                                    | 2,652  |
| 1902..... | 30,911  | ...                                    | 390  | ...                        | 9,042   | ...                                    | 6.60  | ...                                    | 301   | ...                                    | 2,750  |
| 1903..... | 32,761  | ...                                    | 406  | ...                        | 8,919   | ...                                    | 6.64  | ...                                    | 440   | ...                                    | 3,003  |
| 1904..... | 33,188  | ...                                    | 404  | ...                        | 8,079   | ...                                    | 6.93  | ...                                    | 293   | ...                                    | 2,999  |
| 1905..... | 35,090  | ...                                    | 419  | ...                        | 9,247   | ...                                    | 7.17  | ...                                    | 310   | ...                                    | 3,223  |
| 1906..... | 38,965  | ...                                    | 456  | ...                        | 10,899  | ...                                    | 7.07  | ...                                    | 274   | ...                                    | 3,282  |
| 1907..... | 39,702  | ...                                    | 456  | ...                        | 10,725  | ...                                    | 7.31  | ...                                    | 210   | ...                                    | 3,640  |
| 1908..... | 37,197  | ...                                    | 419  | ...                        | 8,091   | ...                                    | 7.79  | ...                                    | 417   | ...                                    | 4,085  |
| 1909..... | 41,269  | ...                                    | 456  | ...                        | 11,143  | ...                                    | 7.71  | ...                                    | -276  | ...                                    | 3,757  |

BASIC DATA - CONTINUED

|           |         |       |     |       |        |      |       |      |        |      |        |
|-----------|---------|-------|-----|-------|--------|------|-------|------|--------|------|--------|
| 1910..... | 42,034  | ...   | 455 | ...   | 10,831 | ...  | 7.70  | ...  | -264   | ...  | 3,898  |
| 1911..... | 44,064  | ...   | 469 | ...   | 9,578  | ...  | 8.22  | ...  | 84     | ...  | 4,586  |
| 1912..... | 45,211  | ...   | 474 | ...   | 11,186 | ...  | 7.97  | ...  | 73     | ...  | 4,588  |
| 1913..... | 46,701  | ...   | 480 | ...   | 12,029 | ...  | 7.40  | ...  | 269    | ...  | 4,476  |
| 1914..... | 46,124  | ...   | 465 | ...   | 7,845  | ...  | 7.49  | ...  | -182   | ...  | 4,849  |
| 1915..... | 45,322  | ...   | 451 | ...   | 7,621  | ...  | 7.49  | ...  | 2,466  | ...  | 5,015  |
| 1916..... | 49,408  | ...   | 485 | ...   | 10,713 | ...  | 7.32  | ...  | 4,016  | ...  | 4,733  |
| 1917..... | 48,342  | ...   | 468 | ...   | 8,342  | ...  | 7.73  | ...  | 3,601  | ...  | 6,979  |
| 1918..... | 48,121  | ...   | 466 | ...   | 6,680  | ...  | 8.35  | ...  | 2,051  | ...  | 16,509 |
| 1919..... | 50,245  | ...   | 481 | ...   | 10,734 | ...  | 8.08  | ...  | 3,502  | ...  | 9,677  |
| 1920..... | 52,713  | ...   | 495 | ...   | 12,760 | ...  | 7.93  | ...  | 2,284  | ...  | 5,556  |
| 1921..... | 56,082  | ...   | 517 | ...   | 7,439  | ...  | 8.19  | ...  | 1,536  | ...  | 6,526  |
| 1922..... | 58,149  | ...   | 528 | ...   | 10,626 | ...  | 8.43  | ...  | 653    | ...  | 6,360  |
| 1923..... | 63,427  | ...   | 567 | ...   | 15,578 | ...  | 8.82  | ...  | 469    | ...  | 6,345  |
| 1924..... | 68,127  | ...   | 597 | ...   | 12,352 | ...  | 9.92  | ...  | 984    | ...  | 6,898  |
| 1925..... | 66,137  | ...   | 571 | ...   | 16,371 | ...  | 10.66 | ...  | 671    | ...  | 7,350  |
| 1926..... | 71,548  | ...   | 609 | ...   | 17,063 | ...  | 11.03 | ...  | 435    | ...  | 7,359  |
| 1927..... | 73,157  | ...   | 615 | ...   | 15,572 | ...  | 11.69 | ...  | 718    | ...  | 7,890  |
| 1928..... | 74,813  | ...   | 621 | ...   | 14,479 | ...  | 11.64 | ...  | 1,008  | ...  | 8,203  |
| 1929..... | 78,952  | 139.6 | 648 | 1,145 | 16,231 | 40.4 | 10.62 | 26.5 | 771    | 1.5  | 8,482  |
| 1930..... | 74,665  | 130.4 | 606 | 1,059 | 10,453 | 27.4 | 9.12  | 21.7 | 577    | 1.4  | 9,435  |
| 1931..... | 72,517  | 126.1 | 584 | 1,016 | 6,752  | 16.8 | 7.57  | 14.1 | 220    | .9   | 9,965  |
| 1932..... | 66,025  | 114.8 | 528 | 919   | 840    | 4.7  | 6.02  | 8.2  | 55     | .6   | 9,483  |
| 1933..... | 64,566  | 112.8 | 514 | 897   | 344    | 5.3  | 5.20  | 7.6  | -147   | .0   | 9,415  |
| 1934..... | 67,970  | 118.1 | 537 | 934   | 1,785  | 9.4  | 5.59  | 9.2  | 102    | .3   | 10,924 |
| 1935..... | 72,287  | 125.5 | 568 | 985   | 8,781  | 18.0 | 6.76  | 11.5 | -605   | -1.0 | 10,972 |
| 1936..... | 79,652  | 138.4 | 621 | 1,080 | 9,296  | 24.0 | 7.50  | 15.8 | 730    | -1.2 | 12,689 |
| 1937..... | 82,624  | 143.1 | 641 | 1,110 | 14,586 | 29.9 | 8.14  | 18.8 | -447   | -.7  | 12,349 |
| 1938..... | 81,331  | 140.2 | 626 | 1,079 | 6,842  | 17.0 | 8.80  | 13.7 | 1,060  | 1.9  | 13,999 |
| 1939..... | 85,882  | 148.2 | 655 | 1,131 | 9,946  | 24.7 | 9.56  | 15.3 | 797    | 1.3  | 14,369 |
| 1940..... | 90,471  | 155.7 | 685 | 1,178 | 14,237 | 33.0 | 10.43 | 18.9 | 1,238  | 2.1  | 15,062 |
| 1941..... | 96,418  | 165.4 | 723 | 1,240 | 18,881 | 41.6 | 12.96 | 22.2 | 397    | .4   | 23,002 |
| 1942..... | 94,662  | 161.4 | 702 | 1,197 | 9,829  | 21.4 | 16.16 | 12.5 | -1,056 | -2.1 | 51,221 |
| 1943..... | 97,299  | 165.8 | 712 | 1,213 | 4,686  | 12.7 | 18.39 | 10.0 | -3,170 | -5.9 | 71,391 |
| 1944..... | 101,226 | 171.4 | 731 | 1,238 | 5,972  | 14.0 | 19.03 | 13.4 | -3,120 | -5.8 | 79,506 |
| 1945..... | 108,601 | 183.0 | 776 | 1,308 | 8,324  | 19.6 | 19.77 | 19.8 | -2,434 | -3.8 | 66,448 |
| 1946..... | 120,941 | 203.5 | 855 | 1,439 | 21,498 | 52.3 | 19.56 | 30.2 | 3,073  | 8.4  | 20,093 |
| 1947..... | 122,571 | 206.3 | 850 | 1,431 | 18,256 | 51.5 | 18.36 | 36.2 | 5,759  | 12.3 | 17,548 |
| 1948..... | 125,125 | 210.8 | 853 | 1,438 | 24,977 | 60.4 | 18.31 | 38.0 | 1,067  | 6.1  | 21,852 |
| 1949..... | 128,469 | 216.5 | 861 | 1,451 | 16,659 | 48.0 | 19.86 | 34.5 | 159    | 6.4  | 25,350 |
| 1950..... | 136,299 | 230.5 | 899 | 1,520 | 28,865 | 69.3 | 21.30 | 37.5 | -1,186 | 2.7  | 23,433 |
| 1951..... | 137,175 | 232.8 | 889 | 1,509 | 29,129 | 70.0 | 22.72 | 39.6 | 1,079  | 5.3  | 32,036 |
| 1952..... | 141,358 | 239.4 | 901 | 1,525 | 24,477 | 60.5 | 23.88 | 38.3 | 798    | 3.0  | 39,167 |
| 1953..... | 147,545 | 250.8 | 925 | 1,572 | 23,520 | 61.2 | 24.69 | 40.7 | -141   | 1.1  | 43,040 |
| 1954..... | ...     | 255.7 | ... | 1,575 | ...    | 59.4 | ...   | 39.6 | ...    | 3.0  | ...    |
| 1955..... | ...     | 274.2 | ... | 1,659 | ...    | 75.4 | ...   | 43.9 | ...    | 3.2  | ...    |
| 1956..... | ...     | 281.4 | ... | 1,673 | ...    | 74.3 | ...   | 47.3 | ...    | 5.0  | ...    |
| 1957..... | ...     | 288.2 | ... | 1,683 | ...    | 68.8 | ...   | 47.4 | ...    | 6.2  | ...    |
| 1958..... | ...     | 290.1 | ... | 1,666 | ...    | 60.9 | ...   | 41.6 | ...    | 2.2  | ...    |
| 1959..... | ...     | 307.3 | ... | 1,735 | ...    | 73.6 | ...   | 44.1 | ...    | .3   | ...    |
| 1960..... | ...     | 316.1 | ... | 1,749 | ...    | 72.4 | ...   | 47.1 | ...    | 4.3  | ...    |
| 1961..... | ...     | 322.5 | ... | 1,755 | ...    | 69.0 | ...   | 45.5 | ...    | 5.1  | ...    |
| 1962..... | ...     | 338.4 | ... | 1,813 | ...    | 79.4 | ...   | 49.7 | ...    | 4.5  | ...    |
| 1963..... | ...     | 353.3 | ... | 1,865 | ...    | 82.5 | ...   | 51.9 | ...    | 5.6  | ...    |
| 1964..... | ...     | 373.8 | ... | 1,946 | ...    | 86.5 | ...   | 57.4 | ...    | 8.5  | ...    |
| 1965..... | ...     | 396.2 | ... | 2,036 | ...    | 97.8 | ...   | 64.9 | ...    | 6.3  | ...    |

<sup>1</sup>Decade average, 1869-78.

<sup>2</sup>Decade average, 1879-88.

## Series A34 to A42, A59 and A60

| Year      | Government purchases of goods and services |                            |                            | Personal income               |                       | Disposable personal income    |                       |                            | A42. Per capita disposable personal income: CEA<br>(1958 dollars) | Total input index (1929=100)  |                                 |
|-----------|--|----------------------------|----------------------------|-------------------------------|-----------------------|-------------------------------|-----------------------|----------------------------|---|-------------------------------|---------------------------------|
|           | A34. Total: OBE                            | A35. Federal: OBE          | A36. State and local: OBE  | A37. Goldsmith-NBER, Kendrick | A38. OBE              | A39. Goldsmith-NBER, Kendrick | A40. OBE              | A41. OBE                   |   | A59. Weighted: NBER, Kendrick | A60. Unweighted: NBER, Kendrick |
|           | (Billions of 1958 dollars)                 | (Billions of 1958 dollars) | (Billions of 1958 dollars) | (Billions of dollars)         | (Millions of dollars) | (Billions of dollars)         | (Millions of dollars) | (Millions of 1958 dollars) |   |                               |                                 |
| 1860..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1861..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1862..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1863..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1864..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1865..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1866..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1867..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1868..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1869..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1870..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1871..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1872..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1873..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1874..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | <sup>1</sup> 22.6             | <sup>1</sup> 26.5               |
| 1875..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1876..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1877..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1878..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1879..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1880..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1881..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1882..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1883..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1884..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | <sup>2</sup> 33.0             | <sup>2</sup> 37.4               |
| 1885..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1886..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1887..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1888..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | ...                           | ...                             |
| 1889..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 39.8                          | 44.5                            |
| 1890..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 41.3                          | 46.3                            |
| 1891..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 42.8                          | 47.8                            |
| 1892..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 44.8                          | 49.6                            |
| 1893..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 44.8                          | 49.9                            |
| 1894..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 43.6                          | 49.0                            |
| 1895..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 46.7                          | 51.8                            |
| 1896..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 47.2                          | 52.3                            |
| 1897..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 48.7                          | 53.9                            |
| 1898..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 49.3                          | 54.6                            |
| 1899..... | ...  | ...                        | ...                        | <sup>3</sup> 14.3             | ...                   | <sup>3</sup> 14.1             | ...                   | ...                        | ...   | 52.9                          | 57.9                            |
| 1900..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 54.0                          | 58.9                            |
| 1901..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 56.7                          | 61.3                            |
| 1902..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 59.7                          | 63.7                            |
| 1903..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 61.9                          | 65.6                            |
| 1904..... | ...  | ...                        | ...                        | <sup>4</sup> 20.2             | ...                   | <sup>4</sup> 20.0             | ...                   | ...                        | ...   | 61.3                          | 65.4                            |
| 1905..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 64.4                          | 68.2                            |
| 1906..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 67.5                          | 71.0                            |
| 1907..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 69.5                          | 72.8                            |
| 1908..... | ...  | ...                        | ...                        | ...                           | ...                   | ...                           | ...                   | ...                        | ...   | 67.4                          | 71.2                            |
| 1909..... | ...  | ...                        | ...                        | <sup>5</sup> 26.7             | ...                   | <sup>5</sup> 26.4             | ...                   | ...                        | ...   | 71.0                          | 74.4                            |

BASIC DATA - CONTINUED

|           |       |       |      |                   |         |                   |         |         |       |       |       |
|-----------|-------|-------|------|-------------------|---------|-------------------|---------|---------|-------|-------|-------|
| 1910..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 73.3  | 76.4  |
| 1911..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 75.0  | 77.9  |
| 1912..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 77.7  | 80.2  |
| 1913..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 79.0  | 81.2  |
| 1914..... | ...   | ...   | ...  | <sup>6</sup> 33.7 | ...     | <sup>6</sup> 33.3 | ...     | ...     | ...   | 78.0  | 80.7  |
| 1915..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 78.3  | 80.6  |
| 1916..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 84.1  | 85.1  |
| 1917..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 86.3  | 86.8  |
| 1918..... | ...   | ...   | ...  | ...               | ...     | ...               | ...     | ...     | ...   | 86.5  | 86.7  |
| 1919..... | ...   | ...   | ...  | 65.0              | ...     | 63.3              | ...     | ...     | ...   | 84.9  | 85.1  |
| 1920..... | ...   | ...   | ...  | 73.4              | ...     | 71.5              | ...     | ...     | ...   | 86.2  | 86.4  |
| 1921..... | ...   | ...   | ...  | 62.1              | ...     | 60.2              | ...     | ...     | ...   | 79.3  | 80.3  |
| 1922..... | ...   | ...   | ...  | 62.0              | ...     | 60.3              | ...     | ...     | ...   | 84.4  | 84.9  |
| 1923..... | ...   | ...   | ...  | 71.5              | ...     | 69.7              | ...     | ...     | ...   | 90.9  | 90.4  |
| 1924..... | ...   | ...   | ...  | 73.2              | ...     | 71.4              | ...     | ...     | ...   | 89.3  | 89.6  |
| 1925..... | ...   | ...   | ...  | 75.0              | ...     | 73.0              | ...     | ...     | ...   | 92.5  | 92.7  |
| 1926..... | ...   | ...   | ...  | 79.5              | ...     | 77.4              | ...     | ...     | ...   | 96.1  | 96.0  |
| 1927..... | ...   | ...   | ...  | 79.6              | ...     | 77.4              | ...     | ...     | ...   | 96.8  | 96.5  |
| 1928..... | ...   | ...   | ...  | 79.8              | ...     | 77.5              | ...     | ...     | ...   | 97.8  | 97.9  |
| 1929..... | 22.0  | 3.5   | 18.5 | ...               | 85,905  | ...               | 83,262  | 150,564 | 1,236 | 100.0 | 100.0 |
| 1930..... | 24.3  | 4.0   | 20.2 | ...               | 77,015  | ...               | 74,508  | 139,007 | 1,128 | 94.3  | 95.2  |
| 1931..... | 25.4  | 4.3   | 21.1 | ...               | 65,896  | ...               | 64,038  | 133,691 | 1,077 | 87.1  | 89.4  |
| 1932..... | 24.2  | 4.6   | 19.6 | ...               | 50,150  | ...               | 48,695  | 115,118 | 921   | 78.1  | 81.5  |
| 1933..... | 23.3  | 6.0   | 17.3 | ...               | 47,004  | ...               | 45,540  | 112,167 | 893   | 76.7  | 80.3  |
| 1934..... | 26.6  | 8.0   | 18.6 | ...               | 53,966  | ...               | 52,371  | 120,393 | 952   | 76.3  | 78.8  |
| 1935..... | 27.0  | 7.9   | 19.2 | ...               | 60,405  | ...               | 58,517  | 131,795 | 1,035 | 79.1  | 81.6  |
| 1936..... | 31.8  | 12.2  | 19.6 | ...               | 68,602  | ...               | 66,344  | 148,421 | 1,158 | 85.0  | 86.0  |
| 1937..... | 30.8  | 11.5  | 19.4 | ...               | 74,118  | ...               | 71,197  | 153,112 | 1,187 | 88.9  | 90.2  |
| 1938..... | 33.9  | 13.3  | 20.6 | ...               | 68,346  | ...               | 65,484  | 143,605 | 1,105 | 82.8  | 84.4  |
| 1939..... | 35.2  | 12.5  | 22.7 | ...               | 72,769  | ...               | 70,329  | 155,940 | 1,190 | 86.6  | 87.7  |
| 1940..... | 36.4  | 15.0  | 21.4 | ...               | 78,285  | ...               | 75,681  | 166,332 | 1,259 | 90.3  | 90.9  |
| 1941..... | 56.3  | 36.2  | 20.1 | ...               | 95,972  | ...               | 92,679  | 190,306 | 1,427 | 99.3  | 97.6  |
| 1942..... | 117.1 | 98.9  | 18.3 | ...               | 122,901 | ...               | 116,920 | 213,358 | 1,582 | 107.1 | 103.9 |
| 1943..... | 164.4 | 147.8 | 16.6 | ...               | 151,297 | ...               | 133,452 | 222,791 | 1,629 | 111.5 | 106.8 |
| 1944..... | 181.7 | 165.4 | 16.3 | ...               | 165,276 | ...               | 146,341 | 231,552 | 1,673 | 110.1 | 105.5 |
| 1945..... | 156.4 | 139.7 | 16.7 | ...               | 171,113 | ...               | 150,246 | 229,734 | 1,642 | 104.9 | 100.7 |
| 1946..... | 48.4  | 30.1  | 18.4 | ...               | 178,730 | ...               | 160,021 | 226,980 | 1,606 | 106.2 | 101.6 |
| 1947..... | 39.9  | 19.1  | 20.8 | ...               | 191,266 | ...               | 169,833 | 218,014 | 1,513 | 110.0 | 104.0 |
| 1948..... | 46.3  | 23.7  | 22.7 | ...               | 210,216 | ...               | 189,138 | 229,815 | 1,567 | 112.3 | 105.4 |
| 1949..... | 53.3  | 27.6  | 25.7 | ...               | 207,154 | ...               | 188,585 | 230,826 | 1,547 | 109.1 | 102.8 |
| 1950..... | 52.8  | 25.3  | 27.5 | ...               | 227,619 | ...               | 206,940 | 249,626 | 1,646 | 112.6 | 105.0 |
| 1951..... | 75.4  | 47.4  | 27.9 | ...               | 255,595 | ...               | 226,583 | 255,737 | 1,657 | 117.5 | 108.6 |
| 1952..... | 92.1  | 63.8  | 28.4 | ...               | 272,455 | ...               | 238,312 | 263,328 | 1,678 | 119.4 | 110.0 |
| 1953..... | 99.8  | 70.0  | 29.7 | ...               | 288,163 | ...               | 252,564 | 275,424 | 1,726 | 121.9 | 111.3 |
| 1954..... | 88.9  | 56.8  | 32.1 | ...               | 290,136 | ...               | 257,445 | 278,319 | 1,714 | 118.5 | 108.6 |
| 1955..... | 85.2  | 50.7  | 34.4 | ...               | 310,889 | ...               | 275,348 | 296,711 | 1,795 | 122.9 | 112.6 |
| 1956..... | 85.3  | 49.7  | 35.6 | ...               | 333,006 | ...               | 293,179 | 309,261 | 1,839 | 125.7 | 115.0 |
| 1957..... | 89.3  | 51.7  | 37.6 | ...               | 351,101 | ...               | 308,524 | 315,787 | 1,844 | 125.5 | 114.8 |
| 1958..... | 94.2  | 53.6  | 40.6 | ...               | 361,174 | ...               | 318,826 | 318,826 | 1,831 | ...   | ...   |
| 1959..... | 94.7  | 52.5  | 42.2 | ...               | 383,528 | ...               | 337,315 | 332,986 | 1,881 | ...   | ...   |
| 1960..... | 94.9  | 51.4  | 43.5 | ...               | 400,953 | ...               | 350,044 | 340,179 | 1,883 | ...   | ...   |
| 1961..... | 100.5 | 54.6  | 45.9 | ...               | 416,814 | ...               | 364,424 | 350,745 | 1,909 | ...   | ...   |
| 1962..... | 107.5 | 60.0  | 47.5 | ...               | 442,617 | ...               | 385,267 | 367,300 | 1,968 | ...   | ...   |
| 1963..... | 109.6 | 59.5  | 50.1 | ...               | 465,487 | ...               | 404,604 | 381,300 | 2,013 | ...   | ...   |
| 1964..... | 111.3 | 57.8  | 53.4 | ...               | 495,953 | ...               | 436,575 | 406,500 | 2,116 | ...   | ...   |
| 1965..... | 114.1 | 57.8  | 56.3 | ...               | 535,083 | ...               | 469,092 | 430,800 | 2,214 | ...   | ...   |

<sup>1</sup>Decade average, 1869-78.  
<sup>4</sup>5-year average, 1902-06.

<sup>2</sup>Decade average, 1879-88  
<sup>5</sup>5-year average, 1907-11.

<sup>3</sup>5-year average, 1897-1901.  
<sup>6</sup>5-year average, 1912-16.

## Series A61 to A71

BASIC DATA - CONTINUED

| Year      | Total factor input index (1929=100)            |                                  | Labor input index (1929=100) |                   | A65. Capital input index: NBER, Kendrick<br>(1929=100) | All reproducible capital input index (1929=100) |                                  | Total private man-hours           |   | Man-hours in nonagricultural industries |   |
|-----------|--|----------------------------------|------------------------------|-------------------|--|---|----------------------------------|-----------------------------------|---|---|---|
|           | A61. Weights changed each 5 yrs.: CED, Denison | A62. Fixed weights: CED, Denison | A63. NBER, Kendrick          | A64. CED, Denison |  | A66. Weights changed each 5 yrs.: CED, Denison  | A67. Fixed weights: CED, Denison | A68. NBER, Kendrick<br>(1929=100) | A69. Labor force data: BLS<br>(1957-59=100) | A70. NBER, Kendrick<br>(1929=100)       | A71. Labor force data: BLS<br>(1957-59=100) |
| 1860..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1861..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1862..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1863..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1864..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1865..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1866..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1867..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1868..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1869..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1870..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1871..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1872..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1873..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1874..... | ...  | ...                              | <sup>1</sup> 25.6            | ...               | <sup>1</sup> 16.6                                      | ...   | <sup>1</sup> 31.5                | ...                               | <sup>1</sup> 23.3                           | ...                                     | ...   |
| 1875..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1876..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1877..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1878..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1879..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1880..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1881..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1882..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1883..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1884..... | ...  | ...                              | <sup>2</sup> 36.8            | ...               | <sup>2</sup> 24.8                                      | ...   | <sup>2</sup> 43.5                | ...                               | <sup>2</sup> 34.2                           | ...                                     | ...   |
| 1885..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1886..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1887..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1888..... | ...  | ...                              | ...                          | ...               | ...  | ...   | ...                              | ...                               | ...   | ...                                     | ...   |
| 1889..... | ...  | ...                              | 44.6                         | ...               | 29.8   | ...   | 51.1                             | ...                               | 42.1  | ...                                     | ...   |
| 1890..... | ...  | ...                              | 46.2                         | ...               | 31.1   | ...   | 53.0                             | ...                               | 44.2  | ...                                     | ...   |
| 1891..... | ...  | ...                              | 47.6                         | ...               | 32.8   | ...   | 54.3                             | ...                               | 45.7  | ...                                     | ...   |
| 1892..... | ...  | ...                              | 49.5                         | ...               | 34.8   | ...   | 56.1                             | ...                               | 47.8  | ...                                     | ...   |
| 1893..... | ...  | ...                              | 48.6                         | ...               | 36.6   | ...   | 55.5                             | ...                               | 46.8  | ...                                     | ...   |
| 1894..... | ...  | ...                              | 46.1                         | ...               | 37.7   | ...   | 53.5                             | ...                               | 44.0  | ...                                     | ...   |
| 1895..... | ...  | ...                              | 49.9                         | ...               | 39.2   | ...   | 56.8                             | ...                               | 48.0  | ...                                     | ...   |
| 1896..... | ...  | ...                              | 49.9                         | ...               | 40.6   | ...   | 56.8                             | ...                               | 47.8  | ...                                     | ...   |
| 1897..... | ...  | ...                              | 51.7                         | ...               | 41.7   | ...   | 58.6                             | ...                               | 49.8  | ...                                     | ...   |
| 1898..... | ...  | ...                              | 51.9                         | ...               | 43.1   | ...   | 58.9                             | ...                               | 50.0  | ...                                     | ...   |
| 1899..... | ...  | ...                              | 56.7                         | ...               | 44.4   | ...   | 63.2                             | ...                               | 55.3  | ...                                     | ...   |
| 1900..... | ...  | ...                              | 57.5                         | ...               | 46.1   | ...   | 63.9                             | ...                               | 56.0  | ...                                     | ...   |
| 1901..... | ...  | ...                              | 60.7                         | ...               | 47.6   | ...   | 66.7                             | ...                               | 59.5  | ...                                     | ...   |
| 1902..... | ...  | ...                              | 64.3                         | ...               | 49.3   | ...   | 69.6                             | ...                               | 63.0  | ...                                     | ...   |
| 1903..... | ...  | ...                              | 66.6                         | ...               | 51.3   | ...   | 71.6                             | ...                               | 65.5  | ...                                     | ...   |
| 1904..... | ...  | ...                              | 64.9                         | ...               | 52.8   | ...   | 70.6                             | ...                               | 63.9  | ...                                     | ...   |
| 1905..... | ...  | ...                              | 69.0                         | ...               | 54.2   | ...   | 74.0                             | ...                               | 68.2  | ...                                     | ...   |
| 1906..... | ...  | ...                              | 72.4                         | ...               | 56.3   | ...   | 77.0                             | ...                               | 71.8  | ...                                     | ...   |
| 1907..... | ...  | ...                              | 74.3                         | ...               | 58.6   | ...   | 78.7                             | ...                               | 73.8  | ...                                     | ...   |
| 1908..... | ...  | ...                              | 70.1                         | ...               | 60.4   | ...   | 75.3                             | ...                               | 69.3  | ...                                     | ...   |
| 1909..... | 63.0   | 63.7                             | 74.9                         | 63.4              | 61.8   | 53.7  | 79.4                             | 77.4                              | 74.4  | 60.9                                    | ...   |



|           |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1910..... | 65.4  | 66.0  | 77.5  | 65.7  | 63.7  | 56.7  | 58.3  | 81.5  | 79.3  | 76.9  | 62.9  |
| 1911..... | 66.7  | 67.3  | 79.0  | 67.5  | 65.7  | 57.0  | 58.3  | 83.0  | 80.9  | 78.4  | 64.2  |
| 1912..... | 68.8  | 69.4  | 82.2  | 70.1  | 67.3  | 58.5  | 59.2  | 85.6  | 83.5  | 81.4  | 66.7  |
| 1913..... | 70.2  | 70.6  | 83.2  | 71.2  | 69.4  | 60.5  | 61.4  | 86.3  | 83.9  | 82.5  | 67.5  |
| 1914..... | 70.1  | 70.6  | 80.7  | 70.5  | 71.5  | 62.2  | 63.6  | 84.7  | 82.6  | 79.6  | 65.1  |
| 1915..... | 70.6  | 71.0  | 80.4  | 70.7  | 73.2  | 63.5  | 64.5  | 83.9  | 81.8  | 79.2  | 64.8  |
| 1916..... | 74.8  | 75.5  | 88.3  | 76.3  | 74.4  | 65.3  | 66.7  | 90.0  | 87.4  | 87.2  | 71.4  |
| 1917..... | 77.6  | 78.2  | 90.7  | 79.7  | 76.3  | 67.3  | 68.0  | 91.9  | 89.3  | 88.8  | 72.7  |
| 1918..... | 80.5  | 81.4  | 90.0  | 83.3  | 78.4  | 69.1  | 70.6  | 91.1  | 88.7  | 87.5  | 71.7  |
| 1919..... | 78.5  | 78.9  | 86.7  | 79.2  | 80.3  | 71.7  | 72.8  | 88.2  | 85.8  | 84.3  | 69.0  |
| 1920..... | 79.7  | 80.1  | 87.9  | 79.5  | 82.0  | 75.3  | 76.8  | 89.4  | 87.0  | 85.3  | 69.8  |
| 1921..... | 75.4  | 75.5  | 77.8  | 72.7  | 83.2  | 77.2  | 78.1  | 80.5  | 78.4  | 76.2  | 62.3  |
| 1922..... | 80.1  | 80.3  | 84.6  | 79.0  | 83.8  | 78.7  | 79.4  | 86.5  | 84.2  | 83.0  | 67.9  |
| 1923..... | 85.9  | 86.1  | 93.0  | 86.2  | 85.5  | 82.1  | 82.5  | 93.4  | 90.6  | 91.6  | 75.0  |
| 1924..... | 86.1  | 86.4  | 90.0  | 85.4  | 87.7  | 84.8  | 86.0  | 91.2  | 88.6  | 88.5  | 72.4  |
| 1925..... | 89.8  | 89.8  | 93.6  | 89.7  | 89.8  | 87.9  | 87.7  | 94.5  | 91.8  | 92.1  | 75.4  |
| 1926..... | 93.7  | 93.8  | 97.5  | 94.0  | 92.7  | 91.5  | 91.7  | 97.8  | 94.8  | 96.3  | 78.8  |
| 1927..... | 94.8  | 94.8  | 97.3  | 94.7  | 95.4  | 94.0  | 93.9  | 97.2  | 94.2  | 96.7  | 79.2  |
| 1928..... | 96.9  | 97.0  | 97.9  | 96.8  | 97.7  | 96.5  | 96.9  | 98.1  | 95.0  | 97.3  | 79.7  |
| 1929..... | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.8  | 100.0 | 81.9  |
| 1930..... | 97.0  | 96.7  | 91.9  | 94.6  | 102.0 | 102.8 | 102.6 | 93.1  | 90.4  | 91.5  | 75.0  |
| 1931..... | 92.3  | 92.0  | 82.3  | 87.8  | 102.1 | 102.8 | 103.1 | 85.4  | 83.1  | 80.9  | 66.2  |
| 1932..... | 87.9  | 87.5  | 71.2  | 81.1  | 99.9  | 102.0 | 102.2 | 75.6  | 74.1  | 69.4  | 56.8  |
| 1933..... | 86.4  | 86.0  | 70.5  | 80.2  | 96.5  | 100.4 | 100.4 | 74.9  | 73.4  | 68.5  | 56.1  |
| 1934..... | 87.5  | 87.1  | 70.8  | 82.5  | 93.8  | 98.4  | 98.2  | 73.6  | 71.8  | 69.7  | 57.0  |
| 1935..... | 92.2  | 91.7  | 74.9  | 89.0  | 92.5  | 98.0  | 98.2  | 77.6  | 75.8  | 73.8  | 60.4  |
| 1936..... | 100.7 | 99.8  | 82.6  | 100.0 | 92.5  | 99.2  | 99.1  | 83.4  | 80.9  | 82.1  | 67.2  |
| 1937..... | 105.9 | 104.7 | 87.4  | 106.4 | 93.8  | 100.9 | 100.4 | 88.6  | 86.0  | 86.7  | 71.0  |
| 1938..... | 101.9 | 100.9 | 79.3  | 100.9 | 94.6  | 101.7 | 101.3 | 81.0  | 78.7  | 78.8  | 64.5  |
| 1939..... | 106.8 | 105.5 | 84.2  | 107.2 | 94.3  | 102.1 | 101.8 | 85.2  | 82.6  | 84.0  | 68.8  |
| 1940..... | 111.8 | 110.6 | 88.6  | 113.8 | 95.9  | 103.4 | 103.5 | 88.9  | 86.0  | 89.1  | 72.9  |
| 1941..... | 122.9 | 121.5 | 99.3  | 128.0 | 99.0  | 107.0 | 106.6 | 96.9  | 93.3  | 99.8  | 81.7  |
| 1942..... | 135.6 | 134.1 | 108.6 | 144.9 | 101.7 | 109.2 | 109.2 | 104.4 | 100.5 | 108.5 | 88.8  |
| 1943..... | 151.2 | 149.5 | 114.2 | 166.4 | 101.8 | 110.1 | 109.2 | 108.2 | 104.0 | 113.6 | 93.1  |
| 1944..... | 155.9 | 154.2 | 112.7 | 173.0 | 100.9 | 109.6 | 109.2 | 106.7 | 102.6 | 111.9 | 91.6  |
| 1945..... | 150.3 | 148.3 | 106.3 | 164.8 | 99.8  | 109.6 | 108.8 | 100.9 | 97.0  | 106.1 | 86.9  |
| 1946..... | 138.6 | 135.3 | 107.3 | 146.0 | 102.1 | 112.7 | 111.0 | 101.7 | 97.7  | 108.1 | 88.5  |
| 1947..... | 140.6 | 137.2 | 110.6 | 146.8 | 107.3 | 117.4 | 116.7 | 103.9 | 99.6  | 111.9 | 91.6  |
| 1948..... | 144.1 | 140.6 | 111.9 | 150.0 | 113.3 | 122.1 | 121.5 | 104.5 | 100.8 | 113.2 | 93.7  |
| 1949..... | 143.4 | 139.6 | 106.6 | 147.0 | 118.1 | 126.7 | 126.3 | 100.1 | 98.2  | 108.2 | 90.8  |
| 1950..... | 147.8 | 143.6 | 109.8 | 151.8 | 122.8 | 130.7 | 128.9 | 101.9 | 99.2  | 112.2 | 93.5  |
| 1951..... | 158.0 | 154.4 | 114.4 | 163.4 | 129.1 | 137.6 | 135.5 | 105.1 | 100.9 | 117.1 | 96.3  |
| 1952..... | 163.2 | 158.6 | 115.7 | 168.8 | 133.2 | 142.8 | 141.7 | 105.7 | 100.4 | 118.7 | 96.5  |
| 1953..... | 166.9 | 162.1 | 117.2 | 172.4 | 139.6 | 146.8 | 145.6 | 106.3 | 100.8 | 120.7 | 98.2  |
| 1954..... | 164.9 | 159.9 | 111.8 | 168.2 | 143.6 | 151.4 | 149.1 | 102.1 | 96.8  | 115.8 | 94.2  |
| 1955..... | 172.2 | 166.7 | 116.3 | 176.2 | 148.0 | 156.8 | 153.9 | 106.1 | 100.7 | 120.6 | 98.3  |
| 1956..... | 177.4 | 171.9 | 118.4 | 181.7 | 153.4 | 162.2 | 159.6 | 107.8 | 102.7 | 123.4 | 101.2 |
| 1957..... | 179.1 | 173.4 | 116.9 | 182.1 | 158.2 | 168.3 | 164.9 | 106.4 | 101.4 | 122.8 | 100.9 |
| 1958..... | 177.6 | 172.0 | ...   | 178.8 | ...   | 172.9 | 168.9 | ...   | 97.9  | ...   | 98.0  |
| 1959..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 100.7 | ...   | 101.1 |
| 1960..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 102.0 | ...   | 102.8 |
| 1961..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 101.2 | ...   | 102.7 |
| 1962..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 102.7 | ...   | 104.6 |
| 1963..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 103.5 | ...   | 106.1 |
| 1964..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 105.6 | ...   | 108.8 |
| 1965..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 108.9 | ...   | 112.8 |

<sup>1</sup>Decade average, 1869-78.<sup>2</sup>Decade average, 1879-88.

## Series A72 to A82

| Year      | A72. Man-hours in nonagricultural industries—establishment data: BLS | Man-hours in manufacturing        |   | Man-hours in agriculture          |   | Total employment (Thousands) |          | Total civilian employment (Thousands) |          | Persons engaged, national economy (Thousands) |          |
|-----------|--|-----------------------------------|---|-----------------------------------|---|------------------------------|----------|---------------------------------------|----------|---|----------|
|           | (1957-59=100)  | A73. NBER, Kendrick<br>(1929=100) | A74. Establishment data: BLS<br>(1957-59=100) | A75. NBER, Kendrick<br>(1929=100) | A76. Labor force data: BLS<br>(1957-59=100) | A77. Lebergott <sup>1</sup>  | A78. BLS | A79. Lebergott <sup>1</sup>           | A80. BLS | A81. NBER, Kendrick                           | A82. OBE |
| 1860..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1861..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1862..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1863..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1864..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1865..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1866..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1867..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1868..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1869..... | ...  | 25.1                              | ...   | 53.6                              | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1870..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1871..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1872..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1873..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1874..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | <sup>2</sup> 13,412                           | ...      |
| 1875..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1876..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1877..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1878..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1879..... | ...  | 32.8                              | ...   | 70.4                              | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1880..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1881..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1882..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1883..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1884..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | <sup>3</sup> 18,435                           | ...      |
| 1885..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1886..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1887..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1888..... | ...  | ...                               | ...   | ...                               | ...   | ...                          | ...      | ...                                   | ...      | ...   | ...      |
| 1889..... | ...  | 46.4                              | ...   | 82.6                              | ...   | ...                          | ...      | ...                                   | ...      | 21,620  | ...      |
| 1890..... | ...  | 48.4                              | ...   | 83.8                              | ...   | 21,907                       | ...      | 21,868                                | ...      | 22,327  | ...      |
| 1891..... | ...  | 49.5                              | ...   | 84.5                              | ...   | 22,115                       | ...      | 22,077                                | ...      | 22,890  | ...      |
| 1892..... | ...  | 53.1                              | ...   | 85.3                              | ...   | 23,221                       | ...      | 23,182                                | ...      | 23,573  | ...      |
| 1893..... | ...  | 50.3                              | ...   | 86.1                              | ...   | 21,658                       | ...      | 21,619                                | ...      | 23,498  | ...      |
| 1894..... | ...  | 46.4                              | ...   | 86.9                              | ...   | 20,475                       | ...      | 20,433                                | ...      | 23,031  | ...      |
| 1895..... | ...  | 51.7                              | ...   | 87.7                              | ...   | 22,146                       | ...      | 22,104                                | ...      | 24,209  | ...      |
| 1896..... | ...  | 49.8                              | ...   | 88.5                              | ...   | 22,442                       | ...      | 22,400                                | ...      | 24,332  | ...      |
| 1897..... | ...  | 51.5                              | ...   | 89.3                              | ...   | 22,903                       | ...      | 22,859                                | ...      | 25,040  | ...      |
| 1898..... | ...  | 53.1                              | ...   | 90.1                              | ...   | 24,011                       | ...      | 23,775                                | ...      | 25,400  | ...      |
| 1899..... | ...  | 60.5                              | ...   | 90.8                              | ...   | 26,112                       | ...      | 26,012                                | ...      | 26,861  | ...      |
| 1900..... | ...  | 62.8                              | ...   | 91.6                              | ...   | 27,080                       | ...      | 26,956                                | ...      | 27,295  | ...      |
| 1901..... | ...  | 65.9                              | ...   | 92.2                              | ...   | 28,063                       | ...      | 27,948                                | ...      | 28,425  | ...      |
| 1902..... | ...  | 72.2                              | ...   | 92.8                              | ...   | 28,915                       | ...      | 28,807                                | ...      | 29,647  | ...      |
| 1903..... | ...  | 74.4                              | ...   | 93.4                              | ...   | 29,600                       | ...      | 29,494                                | ...      | 30,525  | ...      |
| 1904..... | ...  | 68.4                              | ...   | 93.9                              | ...   | 29,857                       | ...      | 29,750                                | ...      | 30,419  | ...      |
| 1905..... | ...  | 77.9                              | ...   | 94.5                              | ...   | 31,027                       | ...      | 30,918                                | ...      | 31,814  | ...      |
| 1906..... | ...  | 81.9                              | ...   | 95.1                              | ...   | 32,747                       | ...      | 32,638                                | ...      | 33,071  | ...      |
| 1907..... | ...  | 86.0                              | ...   | 95.6                              | ...   | 33,350                       | ...      | 33,238                                | ...      | 33,648  | ...      |
| 1908..... | ...  | 73.6                              | ...   | 96.2                              | ...   | 32,259                       | ...      | 32,136                                | ...      | 33,086  | ...      |
| 1909..... | 59.7   | 83.8                              | ...   | 96.8                              | 206.4                                       | 34,031                       | ...      | 33,897                                | ...      | 34,785  | ...      |

|           |       |       |       |       |       |        |         |        |         |        |        |
|-----------|-------|-------|-------|-------|-------|--------|---------|--------|---------|--------|--------|
| 1910..... | 61.7  | 88.2  | ...   | 97.4  | 207.1 | 34,700 | ...     | 34,559 | ...     | 35,708 | ...    |
| 1911..... | 63.0  | 87.4  | ...   | 99.4  | 211.6 | 35,105 | ...     | 34,960 | ...     | 36,274 | ...    |
| 1912..... | 65.4  | 91.3  | ...   | 100.7 | 214.6 | 36,322 | ...     | 36,173 | ...     | 37,341 | ...    |
| 1913..... | 66.3  | 91.5  | ...   | 99.4  | 211.6 | 37,161 | ...     | 37,004 | ...     | 37,896 | ...    |
| 1914..... | 63.9  | 86.5  | ...   | 102.5 | 218.3 | 36,444 | ...     | 36,281 | ...     | 37,475 | ...    |
| 1915..... | 63.6  | 89.8  | ...   | 100.4 | 213.8 | 36,397 | ...     | 36,223 | ...     | 37,669 | ...    |
| 1916..... | 70.0  | 108.6 | ...   | 99.8  | 212.3 | 38,195 | ...     | 38,014 | ...     | 40,126 | ...    |
| 1917..... | 71.3  | 115.7 | ...   | 102.6 | 218.3 | 38,894 | ...     | 38,175 | ...     | 41,531 | ...    |
| 1918..... | 70.2  | 114.6 | ...   | 103.9 | 221.3 | 41,444 | ...     | 38,540 | ...     | 43,998 | ...    |
| 1919..... | 67.7  | 105.1 | ...   | 102.0 | 216.8 | 40,693 | ...     | 39,150 | ...     | 42,313 | ...    |
| 1920..... | 68.5  | 107.3 | ...   | 103.6 | 220.5 | 39,588 | ...     | 39,208 | ...     | 41,497 | ...    |
| 1921..... | 61.2  | 75.4  | ...   | 95.6  | 203.4 | 37,423 | ...     | 37,061 | ...     | 39,361 | ...    |
| 1922..... | 66.6  | 84.7  | ...   | 98.9  | 210.8 | 39,913 | ...     | 39,637 | ...     | 41,383 | ...    |
| 1923..... | 73.6  | 99.3  | ...   | 99.6  | 212.3 | 42,650 | ...     | 42,395 | ...     | 43,938 | ...    |
| 1924..... | 71.0  | 89.2  | ...   | 100.7 | 214.6 | 42,312 | ...     | 42,045 | ...     | 43,315 | ...    |
| 1925..... | 74.0  | 93.4  | ...   | 102.8 | 219.0 | 43,743 | ...     | 43,716 | ...     | 44,512 | ...    |
| 1926..... | 77.3  | 96.4  | ...   | 103.1 | 219.8 | 45,084 | ...     | 44,828 | ...     | 45,795 | ...    |
| 1927..... | 77.6  | 95.2  | ...   | 99.1  | 210.8 | 45,115 | ...     | 44,856 | ...     | 45,900 | ...    |
| 1928..... | 78.1  | 94.2  | ...   | 100.9 | 214.6 | 45,385 | ...     | 45,123 | ...     | 46,382 | ...    |
| 1929..... | 80.3  | 100.0 | ...   | 100.0 | 213.1 | 46,467 | 47,890  | 46,207 | 47,630  | 47,611 | 46,216 |
| 1930..... | 73.5  | 85.0  | ...   | 99.0  | 210.8 | 44,443 | 45,740  | 44,183 | 45,480  | 45,465 | 44,080 |
| 1931..... | 65.0  | 69.3  | ...   | 101.2 | 215.3 | 41,565 | 42,660  | 41,305 | 42,400  | 42,607 | 41,042 |
| 1932..... | 55.7  | 55.4  | ...   | 97.6  | 207.9 | 38,288 | 39,190  | 38,038 | 38,940  | 39,274 | 37,565 |
| 1933..... | 54.9  | 59.4  | ...   | 97.4  | 207.1 | 38,302 | 39,010  | 38,052 | 38,760  | 39,615 | 38,052 |
| 1934..... | 55.9  | 62.6  | ...   | 87.4  | 186.3 | 40,570 | 41,150  | 40,310 | 40,890  | 42,739 | 41,398 |
| 1935..... | 59.3  | 70.4  | ...   | 90.9  | 193.7 | 41,943 | 42,530  | 41,673 | 42,260  | 44,224 | 42,908 |
| 1936..... | 65.9  | 81.7  | ...   | 88.3  | 187.8 | 44,289 | 44,710  | 43,989 | 44,410  | 47,078 | 45,980 |
| 1937..... | 69.6  | 88.4  | ...   | 95.4  | 203.4 | 46,388 | 46,620  | 46,068 | 46,300  | 48,233 | 45,157 |
| 1938..... | 63.2  | 70.4  | ...   | 88.9  | 189.2 | 44,482 | 44,560  | 44,142 | 44,220  | 46,379 | 45,283 |
| 1939..... | 67.5  | 81.5  | ...   | 89.3  | 190.0 | 46,108 | 46,120  | 45,738 | 45,750  | 47,769 | 46,605 |
| 1940..... | 71.6  | 89.9  | ...   | 88.3  | 187.8 | ...    | 48,060  | ...    | 47,520  | 49,606 | 48,486 |
| 1941..... | 80.1  | 115.5 | ...   | 86.6  | 184.0 | ...    | 51,970  | ...    | 50,350  | 54,097 | 53,112 |
| 1942..... | 87.1  | 141.8 | ...   | 90.0  | 191.5 | ...    | 57,720  | ...    | 53,750  | 59,056 | 57,992 |
| 1943..... | 91.2  | 168.9 | ...   | 89.3  | 190.0 | ...    | 63,490  | ...    | 54,470  | 64,864 | 63,642 |
| 1944..... | 89.8  | 160.8 | ...   | 88.4  | 188.5 | ...    | 65,370  | ...    | 53,960  | 66,020 | 64,634 |
| 1945..... | 85.2  | 142.9 | ...   | 82.5  | 175.8 | ...    | 64,260  | ...    | 52,820  | 64,363 | 62,991 |
| 1946..... | 86.9  | 127.1 | ...   | 79.6  | 169.1 | ...    | 58,700  | ...    | 55,250  | 58,917 | 57,394 |
| 1947..... | 89.9  | 133.3 | 95.1  | 76.0  | 161.8 | ...    | 459,402 | ...    | 457,812 | 59,264 | 57,705 |
| 1948..... | 91.1  | 132.9 | 94.5  | 73.9  | 155.6 | ...    | 60,573  | ...    | 59,117  | 60,216 | 58,800 |
| 1949..... | 87.6  | 120.7 | 86.1  | 71.5  | 156.1 | ...    | 60,039  | ...    | 58,423  | 58,702 | 57,384 |
| 1950..... | 91.0  | 129.5 | 93.5  | 65.8  | 143.9 | ...    | 61,398  | ...    | 59,748  | 60,491 | 59,115 |
| 1951..... | 95.5  | 139.8 | 100.6 | 62.8  | 136.8 | ...    | 63,884  | ...    | 60,784  | 64,191 | 62,986 |
| 1952..... | 96.9  | 142.3 | 102.3 | 60.0  | 130.2 | ...    | 64,628  | ...    | 61,035  | 65,264 | 64,164 |
| 1953..... | 98.9  | 148.5 | 107.4 | 55.9  | 121.2 | ...    | 65,492  | ...    | 61,945  | 66,693 | 64,997 |
| 1954..... | 95.3  | 135.4 | 98.1  | 54.4  | 117.6 | ...    | 64,240  | ...    | 60,890  | ...    | 63,096 |
| 1955..... | 99.4  | 142.4 | 103.6 | 55.4  | 119.8 | ...    | 65,992  | ...    | 62,944  | ...    | 64,221 |
| 1956..... | 102.0 | 144.3 | 105.2 | 53.1  | 114.5 | ...    | 67,565  | ...    | 64,708  | ...    | 65,408 |
| 1957..... | 101.4 | 141.4 | 103.5 | 48.9  | 105.1 | ...    | 67,808  | ...    | 65,011  | ...    | 65,518 |
| 1958..... | 97.5  | ...   | 95.1  | ...   | 97.5  | ...    | 66,603  | ...    | 63,966  | ...    | 63,743 |
| 1959..... | 101.1 | ...   | 101.3 | ...   | 97.4  | ...    | 68,133  | ...    | 65,581  | ...    | 64,977 |
| 1960..... | 102.2 | ...   | 101.0 | ...   | 95.9  | ...    | 69,195  | ...    | 66,681  | ...    | 65,831 |
| 1961..... | 101.2 | ...   | 98.2  | ...   | 89.7  | ...    | 69,369  | ...    | 66,796  | ...    | 65,627 |
| 1962..... | 103.7 | ...   | 102.3 | ...   | 87.8  | ...    | 70,674  | ...    | 67,846  | ...    | 67,047 |
| 1963..... | 104.9 | ...   | 103.3 | ...   | 83.2  | ...    | 71,546  | ...    | 68,809  | ...    | 67,775 |
| 1964..... | 107.0 | ...   | 105.5 | ...   | 80.2  | ...    | 73,095  | ...    | 70,357  | ...    | 69,112 |
| 1965..... | 110.5 | ...   | ...   | ...   | 78.2  | ...    | 74,901  | ...    | 72,179  | ...    | 71,248 |

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<sup>2</sup>Decade average, 1869-78.

<sup>3</sup>Decade average, 1879-88.

<sup>4</sup>Data for 1947-56 have been adjusted to reflect the change in the definitions of employment and unemployment adopted in January 1957.

<sup>5</sup>Beginning 1953, data are not strictly comparable with earlier years as a result of the introduction of 1950 census data into the estimating procedure.

<sup>6</sup>Beginning 1962, data are not strictly comparable with earlier years as a result of the introduction of 1960 census data into the estimating procedure.

## Series A83 to A93

| Year      | Persons engaged, private economy<br>(Thousands) |          | Nonagricultural employment (Thousands)           |                               |   |                                   | Manufacturing employment<br>(Thousands)                 |                                   | Experienced civilian labor force:<br>Census (Kaplan, Casey)-BLS |   |   |
|-----------|---|----------|--|-------------------------------|---|-----------------------------------|---|-----------------------------------|---|---|---|
|           | A83. NBER,<br>Kendrick                          | A84. OBE | A85. Labor force<br>data: Lebergott <sup>1</sup> | A86. Labor force<br>data: BLS | A87. Establish-<br>ment data:<br>Lebergott <sup>1</sup> | A88. Establish-<br>ment Data: BLS | A89. Establish-<br>ment data:<br>Lebergott <sup>1</sup> | A90. Establish-<br>ment data: BLS | A91. Farm<br>workers<br><br>(Percent)                           | A92. Manual<br>workers<br><br>(Percent) | A93. White-collar<br>workers<br><br>(Percent) |
| 1860..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1861..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1862..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1863..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1864..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1865..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1866..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1867..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1868..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1869..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1870..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1871..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1872..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1873..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1874..... | <sup>2</sup> 12,954                             | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1875..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1876..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1877..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1878..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1879..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1880..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1881..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1882..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1883..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1884..... | <sup>3</sup> 17,817                             | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1885..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1886..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1887..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1888..... | ...   | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1889..... | 20,895  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1890..... | 21,588  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1891..... | 22,136  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1892..... | 22,799  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1893..... | 22,703  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1894..... | 22,212  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1895..... | 23,372  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1896..... | 23,483  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1897..... | 24,174  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1898..... | 24,372  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1899..... | 25,868  | ...      | ...  | ...                           | ...   | ...                               | ...   | ...                               | ...   | ...                                     |   |
| 1900..... | 26,272  | ...      | 15,906   | ...                           | 15,178  | ...                               | 5,468   | ...                               | 37.5  | 35.8                                    | 17.6  |
| 1901..... | 27,370  | ...      | 17,032   | ...                           | 16,294  | ...                               | 5,817   | ...                               | ...   | ...                                     | ...   |
| 1902..... | 28,576  | ...      | 18,054   | ...                           | 17,395  | ...                               | 6,305   | ...                               | ...   | ...                                     | ...   |
| 1903..... | 29,429  | ...      | 18,625   | ...                           | 17,858  | ...                               | 6,527   | ...                               | ...   | ...                                     | ...   |
| 1904..... | 29,289  | ...      | 18,674   | ...                           | 17,640  | ...                               | 6,199   | ...                               | ...   | ...                                     | ...   |
| 1905..... | 30,647  | ...      | 19,731   | ...                           | 18,707  | ...                               | 6,739   | ...                               | ...   | ...                                     | ...   |
| 1906..... | 31,858  | ...      | 21,159   | ...                           | 20,069  | ...                               | 7,226   | ...                               | ...   | ...                                     | ...   |
| 1907..... | 32,583  | ...      | 21,745   | ...                           | 20,523  | ...                               | 7,322   | ...                               | ...   | ...                                     | ...   |
| 1908..... | 31,753  | ...      | 20,898   | ...                           | 19,259  | ...                               | 6,570   | ...                               | ...   | ...                                     | ...   |
| 1909..... | 33,389  | ...      | 22,734   | ...                           | 21,203  | ...                               | 7,661   | ...                               | ...   | ...                                     | ...   |

BASIC DATA - CONTINUED

|           |        |        |        |        |        |        |        |        |      |      |      |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| 1910..... | 34,255 | ...    | 23,299 | ...    | 21,697 | ...    | 7,828  | ...    | 30.9 | 38.2 | 21.3 |
| 1911..... | 34,768 | ...    | 23,853 | ...    | 22,093 | ...    | 7,870  | ...    | ...  | ...  | ...  |
| 1912..... | 35,776 | ...    | 25,037 | ...    | 23,191 | ...    | 8,322  | ...    | ...  | ...  | ...  |
| 1913..... | 36,285 | ...    | 26,030 | ...    | 24,143 | ...    | 8,751  | ...    | ...  | ...  | ...  |
| 1914..... | 35,787 | ...    | 25,336 | ...    | 23,190 | ...    | 8,210  | ...    | ...  | ...  | ...  |
| 1915..... | 35,916 | ...    | 25,270 | ...    | 23,149 | ...    | 8,210  | ...    | ...  | ...  | ...  |
| 1916..... | 38,332 | ...    | 27,212 | ...    | 25,510 | ...    | 9,629  | ...    | ...  | ...  | ...  |
| 1917..... | 39,004 | ...    | 27,387 | ...    | 25,802 | ...    | 9,872  | ...    | ...  | ...  | ...  |
| 1918..... | 38,938 | ...    | 27,866 | ...    | 26,432 | ...    | 10,167 | ...    | ...  | ...  | ...  |
| 1919..... | 38,990 | ...    | 28,652 | ...    | 27,270 | 27,088 | 10,702 | 10,659 | ...  | ...  | ...  |
| 1920..... | 39,183 | ...    | 28,768 | ...    | 27,434 | 27,350 | 10,702 | 10,658 | 27.0 | 40.2 | 24.9 |
| 1921..... | 37,059 | ...    | 26,618 | ...    | 24,542 | 24,382 | 8,262  | 8,257  | ...  | ...  | ...  |
| 1922..... | 39,119 | ...    | 29,076 | ...    | 26,616 | 25,827 | 9,129  | 9,120  | ...  | ...  | ...  |
| 1923..... | 41,641 | ...    | 31,774 | ...    | 29,231 | 28,394 | 10,317 | 10,300 | ...  | ...  | ...  |
| 1924..... | 40,916 | ...    | 31,446 | ...    | 28,577 | 28,040 | 9,675  | 9,671  | ...  | ...  | ...  |
| 1925..... | 42,020 | ...    | 33,054 | ...    | 29,751 | 28,778 | 9,942  | 9,939  | ...  | ...  | ...  |
| 1926..... | 43,242 | ...    | 34,138 | ...    | 30,599 | 29,819 | 10,156 | 10,156 | ...  | ...  | ...  |
| 1927..... | 43,258 | ...    | 34,327 | ...    | 30,481 | 29,976 | 9,996  | 10,001 | ...  | ...  | ...  |
| 1928..... | 43,687 | ...    | 34,626 | ...    | 30,539 | 30,000 | 9,942  | 9,947  | ...  | ...  | ...  |
| 1929..... | 44,836 | 43,441 | 35,666 | 37,180 | 31,339 | 31,339 | 10,702 | 10,702 | ...  | ...  | ...  |
| 1930..... | 42,563 | 41,178 | 33,843 | 35,140 | ...    | 29,424 | ...    | 9,562  | 21.2 | 39.6 | 29.4 |
| 1931..... | 39,623 | 38,057 | 31,065 | 32,110 | ...    | 26,649 | ...    | 8,170  | ...  | ...  | ...  |
| 1932..... | 36,314 | 34,604 | 27,918 | 28,770 | ...    | 23,628 | ...    | 6,931  | ...  | ...  | ...  |
| 1933..... | 36,142 | 34,578 | 27,962 | 28,670 | ...    | 23,711 | ...    | 7,397  | ...  | ...  | ...  |
| 1934..... | 38,436 | 37,094 | 30,320 | 30,990 | ...    | 25,953 | ...    | 8,501  | ...  | ...  | ...  |
| 1935..... | 39,639 | 38,322 | 31,563 | 32,150 | ...    | 27,053 | ...    | 9,069  | ...  | ...  | ...  |
| 1936..... | 41,392 | 40,293 | 33,899 | 34,410 | ...    | 29,082 | ...    | 9,827  | ...  | ...  | ...  |
| 1937..... | 43,177 | 42,100 | 36,068 | 36,480 | ...    | 31,026 | ...    | 10,794 | ...  | ...  | ...  |
| 1938..... | 40,718 | 39,621 | 34,302 | 34,530 | ...    | 29,209 | ...    | 9,440  | ...  | ...  | ...  |
| 1939..... | 42,139 | 40,974 | 36,028 | 36,140 | ...    | 30,618 | ...    | 10,278 | ...  | ...  | ...  |
| 1940..... | 43,874 | 42,752 | ...    | 37,980 | ...    | 32,376 | ...    | 10,985 | 17.4 | 39.8 | 31.1 |
| 1941..... | 47,349 | 46,361 | ...    | 41,250 | ...    | 36,554 | ...    | 13,192 | ...  | ...  | ...  |
| 1942..... | 49,885 | 48,816 | ...    | 44,500 | ...    | 40,125 | ...    | 15,280 | ...  | ...  | ...  |
| 1943..... | 50,656 | 49,427 | ...    | 45,390 | ...    | 42,452 | ...    | 17,602 | ...  | ...  | ...  |
| 1944..... | 49,513 | 48,122 | ...    | 45,010 | ...    | 41,883 | ...    | 17,328 | ...  | ...  | ...  |
| 1945..... | 47,994 | 46,617 | ...    | 44,240 | ...    | 40,394 | ...    | 15,524 | ...  | ...  | ...  |
| 1946..... | 50,813 | 49,306 | ...    | 46,930 | ...    | 41,674 | ...    | 14,703 | ...  | ...  | ...  |
| 1947..... | 53,196 | 51,611 | ...    | 49,557 | ...    | 43,881 | ...    | 15,545 | 13.8 | 41.5 | 34.5 |
| 1948..... | 54,143 | 52,688 | ...    | 51,156 | ...    | 44,891 | ...    | 15,582 | 13.0 | 40.9 | 35.7 |
| 1949..... | 52,313 | 50,954 | ...    | 50,406 | ...    | 43,778 | ...    | 14,441 | 13.0 | 40.3 | 36.1 |
| 1950..... | 53,877 | 52,460 | ...    | 52,251 | ...    | 45,222 | ...    | 15,241 | 12.1 | 40.2 | 36.6 |
| 1951..... | 55,716 | 54,476 | ...    | 53,736 | ...    | 47,849 | ...    | 16,393 | 11.1 | 41.5 | 36.5 |
| 1952..... | 56,082 | 54,941 | ...    | 54,243 | ...    | 48,825 | ...    | 16,632 | 10.7 | 41.1 | 37.3 |
| 1953..... | 57,542 | 55,811 | ...    | 55,390 | ...    | 50,232 | ...    | 17,549 | 10.0 | 40.8 | 37.8 |
| 1954..... | ...    | 54,084 | ...    | 54,395 | ...    | 49,022 | ...    | 16,314 | 10.1 | 40.6 | 38.2 |
| 1955..... | ...    | 55,337 | ...    | 56,225 | ...    | 50,675 | ...    | 16,882 | 10.1 | 40.2 | 38.2 |
| 1956..... | ...    | 56,453 | ...    | 58,135 | ...    | 52,408 | ...    | 17,243 | 10.0 | 39.5 | 38.8 |
| 1957..... | ...    | 56,422 | ...    | 58,789 | ...    | 52,894 | ...    | 17,174 | 9.1  | 39.1 | 39.9 |
| 1958..... | ...    | 54,608 | ...    | 58,122 | ...    | 51,368 | ...    | 15,945 | 8.4  | 38.3 | 40.9 |
| 1959..... | ...    | 55,769 | ...    | 59,745 | ...    | 53,297 | ...    | 16,675 | 8.3  | 37.9 | 41.3 |
| 1960..... | ...    | 56,377 | ...    | 60,958 | ...    | 54,203 | ...    | 16,796 | 7.9  | 37.5 | 42.0 |
| 1961..... | ...    | 55,893 | ...    | 61,333 | ...    | 53,989 | ...    | 16,326 | 7.5  | 37.0 | 42.5 |
| 1962..... | ...    | 56,861 | ...    | 62,657 | ...    | 55,515 | ...    | 16,853 | 6.9  | 36.8 | 43.2 |
| 1963..... | ...    | 57,407 | ...    | 63,863 | ...    | 56,602 | ...    | 16,995 | 6.5  | 37.3 | 42.9 |
| 1964..... | ...    | 58,443 | ...    | 65,596 | ...    | 58,156 | ...    | 17,259 | 6.3  | 37.0 | 43.4 |
| 1965..... | ...    | 60,216 | ...    | 67,594 | ...    | 60,444 | ...    | 17,984 | 5.8  | 37.2 | 43.8 |

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<sup>2</sup> Decade average, 1869-78.

<sup>3</sup> Decade average, 1879-88.

<sup>4</sup> Data for 1947-56 have been adjusted to reflect the change in the definitions of employment and unemployment adopted in January 1957.

<sup>5</sup> Beginning 1953, data are not strictly comparable with earlier years as a result of the introduction of 1950 census data into the estimating procedure.

<sup>6</sup> Beginning 1962, data are not strictly comparable with earlier years as a result of the introduction of 1960 census data into the estimating procedure.



## Series A94 to A104

| Year      | Experienced civilian labor force: Census (Kaplan, Casey)-BLS (Percent) |                           |                           |                         |                 |               |                      |                |                |             |  |
|-----------|--|---------------------------|---------------------------|-------------------------|-----------------|---------------|----------------------|----------------|----------------|-------------|--|
|           | A94. Service workers   | Farm workers              |                           | Manual workers          |                 |               | White-collar workers |                |                |             | A104. Service workers, private household |
|           |  | A95. Farmers and managers | A96. Laborers and foremen | A97. Craftsmen, foremen | A98. Operatives | A99. Laborers | A100. Professional   | A101. Managers | A102. Clerical | A103. Sales |  |
| 1860..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1861..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1862..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1863..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1864..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1865..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1866..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1867..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1868..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1869..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1870..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1871..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1872..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1873..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1874..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1875..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1876..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1877..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1878..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1879..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1880..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1881..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1882..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1883..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1884..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1885..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1886..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1887..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1888..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1889..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1890..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1891..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1892..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1893..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1894..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1895..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1896..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1897..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1898..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1899..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1900..... | 9.0  | 19.9                      | 17.7                      | 10.5                    | 12.8            | 12.5          | 4.3                  | 5.8            | 3.0            | 4.5         | 5.4                                      |
| 1901..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1902..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1903..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1904..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1905..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1906..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1907..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1908..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |
| 1909..... | ...  | ...                       | ...                       | ...                     | ...             | ...           | ...                  | ...            | ...            | ...         | ...                                      |

BASIC DATA — CONTINUED

|           |                   |                  |                  |                   |                   |                  |                   |                   |                   |                  |                  |
|-----------|-------------------|------------------|------------------|-------------------|-------------------|------------------|-------------------|-------------------|-------------------|------------------|------------------|
| 1910..... | 9.6               | 16.5             | 14.4             | 11.6              | 14.6              | 12.0             | 4.7               | 6.6               | 5.3               | 4.7              | 5.0              |
| 1911..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1912..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1913..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1914..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1915..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1916..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1917..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1918..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1919..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1920..... | 7.8               | 15.3             | 11.7             | 13.0              | 15.6              | 11.6             | 5.4               | 6.6               | 8.0               | 4.9              | 3.3              |
| 1921..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1922..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1923..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1924..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1925..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1926..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1927..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1928..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1929..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1930..... | 9.8               | 12.4             | 8.8              | 12.8              | 15.8              | 11.0             | 6.8               | 7.4               | 8.9               | 6.3              | 4.1              |
| 1931..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1932..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1933..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1934..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1935..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1936..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1937..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1938..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1939..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1940..... | 11.8              | 10.4             | 7.0              | 12.0              | 18.4              | 9.4              | 7.5               | 7.3               | 9.6               | 6.7              | 4.7              |
| 1941..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1942..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1943..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1944..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1945..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1946..... | ...               | ...              | ...              | ...               | ...               | ...              | ...               | ...               | ...               | ...              | ...              |
| 1947..... | 10.5              | 8.4              | 5.4              | 13.5              | 21.6              | 6.4              | 6.5               | 9.8               | 12.4              | 5.8              | 3.0              |
| 1948..... | 10.4              | 7.6              | 5.4              | 13.7              | 21.1              | 6.1              | 6.6               | 10.5              | 12.4              | 6.2              | 3.0              |
| 1949..... | 10.8              | 7.7              | 5.3              | 13.2              | 20.8              | 6.3              | 6.7               | 10.6              | 12.5              | 6.3              | 3.0              |
| 1950..... | 11.2              | 7.0              | 5.1              | 13.0              | 20.8              | 6.4              | 7.3               | 10.4              | 12.6              | 6.3              | 3.2              |
| 1951..... | 10.9              | 6.4              | 4.7              | 13.8              | 21.0              | 6.7              | 7.8               | 10.0              | 12.5              | 6.2              | 3.1              |
| 1952..... | 10.8              | 6.3              | 4.4              | 14.3              | 20.5              | 6.3              | 8.2               | 9.9               | 13.2              | 6.0              | 3.0              |
| 1953..... | <sup>1</sup> 11.4 | <sup>1</sup> 6.1 | <sup>1</sup> 3.9 | <sup>1</sup> 13.9 | <sup>1</sup> 20.8 | <sup>1</sup> 6.1 | <sup>1</sup> 8.7  | <sup>1</sup> 10.2 | <sup>1</sup> 12.8 | <sup>1</sup> 6.1 | <sup>1</sup> 3.0 |
| 1954..... | 11.1              | 6.0              | 4.1              | 13.6              | 20.7              | 6.3              | 8.9               | 9.8               | 13.1              | 6.4              | 2.9              |
| 1955..... | 11.5              | 5.7              | 4.4              | 13.2              | 20.7              | 6.3              | 8.9               | 10.0              | 13.1              | 6.2              | 3.1              |
| 1956..... | 11.9              | 5.5              | 4.5              | 13.4              | 20.2              | 5.9              | 9.2               | 9.8               | 13.5              | 6.3              | 3.3              |
| 1957..... | 11.8              | 4.9              | 4.2              | 13.3              | 19.8              | 6.0              | 9.7               | 10.0              | 13.9              | 6.3              | 3.2              |
| 1958..... | 12.3              | 4.5              | 3.9              | 13.3              | 18.8              | 6.2              | 10.4              | 10.1              | 14.0              | 6.4              | 3.4              |
| 1959..... | 12.4              | 4.4              | 3.9              | 13.1              | 18.6              | 6.2              | 10.5              | 10.2              | 14.0              | 6.6              | 3.3              |
| 1960..... | 12.6              | 4.0              | 3.9              | 12.9              | 18.6              | 6.0              | 10.8              | 10.2              | 14.5              | 6.5              | 3.3              |
| 1961..... | 13.1              | 3.8              | 3.7              | 13.0              | 18.3              | 5.7              | 11.1              | 10.2              | 14.6              | 6.6              | 3.5              |
| 1962..... | <sup>2</sup> 13.2 | <sup>2</sup> 3.6 | <sup>2</sup> 3.3 | <sup>2</sup> 12.8 | <sup>2</sup> 18.3 | <sup>2</sup> 5.7 | <sup>2</sup> 11.5 | <sup>2</sup> 10.5 | <sup>2</sup> 14.8 | <sup>2</sup> 6.4 | <sup>2</sup> 3.5 |
| 1963..... | 13.3              | 3.3              | 3.2              | 13.0              | 18.7              | 5.6              | 11.6              | 10.2              | 14.8              | 6.3              | 3.4              |
| 1964..... | 13.3              | 3.2              | 3.1              | 12.7              | 18.8              | 5.5              | 11.8              | 10.3              | 15.0              | 6.3              | 3.3              |
| 1965..... | 13.1              | 3.0              | 3.1              | 12.7              | 18.8              | 5.6              | 12.0              | 9.9               | 15.4              | 6.5              | 3.1              |

<sup>1</sup>Beginning 1953, data are not strictly comparable with earlier years as a result of the introduction of 1950 census data into the estimating procedure.

<sup>2</sup>Beginning 1962, data are not strictly comparable with earlier years as a result of the introduction of 1960 census data into the estimating procedure.

## Series A105 to A115

| Year      | A105. Experienced civilian labor force: Census (Kaplan, Casey) - BLS, service workers, service (Percent) | A106. Total population: Census (Thousands) | A107. Farm population: Census- USDA (Thousands) | Total labor force (Thousands) |           | Civilian labor force (Thousands) |           | Female labor force (Thousands) |           | Distribution of population by age: Census (Percent) |                       |
|-----------|--|--|---|-------------------------------|-----------|----------------------------------|-----------|--------------------------------|-----------|---|-----------------------|
|           |  |  |   | A108. Lebergott               | A109. BLS | A110. Lebergott                  | A111. BLS | A112. SSRC, Durand             | A113. BLS | A114. Under 14 years                                | A115. 14 to 19 years. |
| 1860..... | ...  | 31,513                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1861..... | ...  | 32,351                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1862..... | ...  | 33,188                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1863..... | ...  | 34,026                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1864..... | ...  | 34,863                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1865..... | ...  | 35,701                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1866..... | ...  | 36,538                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1867..... | ...  | 37,376                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1868..... | ...  | 38,213                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1869..... | ...  | 39,051                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1870..... | ...  | 39,905                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1871..... | ...  | 40,938                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1872..... | ...  | 41,972                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1873..... | ...  | 43,006                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1874..... | ...  | 44,040                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1875..... | ...  | 45,073                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1876..... | ...  | 46,107                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1877..... | ...  | 47,141                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1878..... | ...  | 48,174                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1879..... | ...  | 49,208                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1880..... | ...  | 50,262                                     | 21,973  | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1881..... | ...  | 51,542                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1882..... | ...  | 52,821                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1883..... | ...  | 54,100                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1884..... | ...  | 55,379                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1885..... | ...  | 56,658                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1886..... | ...  | 57,938                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1887..... | ...  | 59,217                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1888..... | ...  | 60,496                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1889..... | ...  | 61,775                                     | ...   | ...                           | ...       | ...                              | ...       | ...                            | ...       | ...   | ...                   |
| 1890..... | ...  | 63,056                                     | 24,771  | 22,811                        | ...       | 22,772                           | ...       | 3,704                          | ...       | ...   | ...                   |
| 1891..... | ...  | 64,361                                     | ...   | 23,380                        | ...       | 23,342                           | ...       | ...                            | ...       | ...   | ...                   |
| 1892..... | ...  | 65,666                                     | ...   | 23,949                        | ...       | 23,910                           | ...       | ...                            | ...       | ...   | ...                   |
| 1893..... | ...  | 66,970                                     | ...   | 24,518                        | ...       | 24,479                           | ...       | ...                            | ...       | ...   | ...                   |
| 1894..... | ...  | 68,275                                     | ...   | 25,087                        | ...       | 25,045                           | ...       | ...                            | ...       | ...   | ...                   |
| 1895..... | ...  | 69,580                                     | ...   | 25,656                        | ...       | 25,614                           | ...       | ...                            | ...       | ...   | ...                   |
| 1896..... | ...  | 70,885                                     | ...   | 26,224                        | ...       | 26,182                           | ...       | ...                            | ...       | ...   | ...                   |
| 1897..... | ...  | 72,189                                     | ...   | 26,793                        | ...       | 26,749                           | ...       | ...                            | ...       | ...   | ...                   |
| 1898..... | ...  | 73,494                                     | ...   | 27,362                        | ...       | 27,126                           | ...       | ...                            | ...       | ...   | ...                   |
| 1899..... | ...  | 74,799                                     | ...   | 27,931                        | ...       | 27,831                           | ...       | ...                            | ...       | ...   | ...                   |
| 1900..... | 3.6  | 76,094                                     | 29,875  | 28,500                        | ...       | 28,376                           | ...       | 4,999                          | ...       | 32.3  | 12.0                  |
| 1901..... | ...  | 77,585                                     | ...   | 29,268                        | ...       | 29,153                           | ...       | ...                            | ...       | 32.1  | 12.0                  |
| 1902..... | ...  | 79,160                                     | ...   | 30,012                        | ...       | 29,904                           | ...       | ...                            | ...       | 31.9  | 11.9                  |
| 1903..... | ...  | 80,632                                     | ...   | 30,804                        | ...       | 30,698                           | ...       | ...                            | ...       | 31.7  | 11.9                  |
| 1904..... | ...  | 82,165                                     | ...   | 31,548                        | ...       | 31,441                           | ...       | ...                            | ...       | 31.4  | 11.9                  |
| 1905..... | ...  | 83,820                                     | ...   | 32,408                        | ...       | 32,299                           | ...       | ...                            | ...       | 31.2  | 11.9                  |
| 1906..... | ...  | 85,437                                     | ...   | 33,321                        | ...       | 33,212                           | ...       | ...                            | ...       | 31.0  | 11.9                  |
| 1907..... | ...  | 87,000                                     | ...   | 34,295                        | ...       | 34,183                           | ...       | ...                            | ...       | 30.7  | 11.9                  |
| 1908..... | ...  | 88,709                                     | ...   | 35,039                        | ...       | 34,916                           | ...       | ...                            | ...       | 30.5  | 11.9                  |
| 1909..... | ...  | 90,492                                     | ...   | 35,855                        | ...       | 35,721                           | ...       | ...                            | ...       | 30.3  | 11.8                  |

BASIC DATA - CONTINUED

|           |                  |         |        |        |                     |        |                     |        |                     |      |      |
|-----------|------------------|---------|--------|--------|---------------------|--------|---------------------|--------|---------------------|------|------|
| 1910..... | 4.6              | 92,407  | 32,077 | 36,850 | ...                 | 36,709 | ...                 | ...    | ...                 | 30.1 | 11.8 |
| 1911..... | ...              | 93,868  | 32,110 | 37,623 | ...                 | 37,478 | ...                 | ...    | ...                 | 30.0 | 11.7 |
| 1912..... | ...              | 95,331  | 32,210 | 38,081 | ...                 | 37,932 | ...                 | ...    | ...                 | 30.0 | 11.6 |
| 1913..... | ...              | 97,227  | 32,270 | 38,832 | ...                 | 38,675 | ...                 | ...    | ...                 | 29.9 | 11.5 |
| 1914..... | ...              | 99,118  | 32,320 | 39,564 | ...                 | 39,401 | ...                 | ...    | ...                 | 29.9 | 11.4 |
| 1915..... | ...              | 100,549 | 32,440 | 39,774 | ...                 | 39,600 | ...                 | ...    | ...                 | 29.9 | 11.3 |
| 1916..... | ...              | 101,966 | 32,530 | 40,238 | ...                 | 40,057 | ...                 | ...    | ...                 | 29.9 | 11.2 |
| 1917..... | ...              | 103,266 | 32,430 | 40,742 | ...                 | 40,023 | ...                 | ...    | ...                 | 29.9 | 11.1 |
| 1918..... | ...              | 103,203 | 31,950 | 41,980 | ...                 | 39,076 | ...                 | ...    | ...                 | 30.4 | 11.1 |
| 1919..... | ...              | 104,512 | 31,200 | 41,239 | ...                 | 39,696 | ...                 | ...    | ...                 | 30.0 | 10.9 |
| 1920..... | 4.5              | 106,466 | 31,974 | 41,720 | ...                 | 41,340 | ...                 | 8,229  | ...                 | 29.8 | 10.9 |
| 1921..... | ...              | 108,541 | 32,123 | 42,341 | ...                 | 41,979 | ...                 | ...    | ...                 | 29.8 | 11.0 |
| 1922..... | ...              | 110,055 | 32,109 | 42,772 | ...                 | 42,496 | ...                 | ...    | ...                 | 29.7 | 11.1 |
| 1923..... | ...              | 111,950 | 31,490 | 43,699 | ...                 | 43,444 | ...                 | ...    | ...                 | 29.5 | 11.1 |
| 1924..... | ...              | 114,113 | 31,177 | 44,502 | ...                 | 44,235 | ...                 | ...    | ...                 | 29.3 | 11.2 |
| 1925..... | ...              | 115,832 | 31,190 | 45,196 | ...                 | 45,169 | ...                 | ...    | ...                 | 29.1 | 11.3 |
| 1926..... | ...              | 117,399 | 30,979 | 45,885 | ...                 | 45,629 | ...                 | ...    | ...                 | 28.8 | 11.3 |
| 1927..... | ...              | 119,038 | 30,530 | 46,634 | ...                 | 46,375 | ...                 | ...    | ...                 | 28.5 | 11.3 |
| 1928..... | ...              | 120,501 | 30,548 | 47,367 | ...                 | 47,105 | ...                 | ...    | ...                 | 28.2 | 11.3 |
| 1929..... | ...              | 121,770 | 30,580 | 48,017 | 49,440              | 47,757 | 49,180              | ...    | ...                 | 27.8 | 11.3 |
| 1930..... | 5.7              | 123,188 | 30,529 | 48,783 | 50,080              | 48,523 | 49,820              | 10,396 | ...                 | 27.3 | 11.3 |
| 1931..... | ...              | 124,149 | 30,845 | 49,585 | 50,680              | 49,325 | 50,420              | ...    | ...                 | 27.0 | 11.3 |
| 1932..... | ...              | 124,949 | 31,388 | 50,348 | 51,250              | 50,098 | 51,000              | ...    | ...                 | 26.5 | 11.2 |
| 1933..... | ...              | 125,690 | 32,393 | 51,132 | 51,840              | 50,882 | 51,590              | ...    | ...                 | 26.1 | 11.2 |
| 1934..... | ...              | 126,485 | 32,305 | 51,910 | 52,490              | 51,650 | 52,230              | ...    | ...                 | 25.6 | 11.2 |
| 1935..... | ...              | 127,362 | 32,161 | 52,553 | 53,140              | 52,283 | 52,870              | ...    | ...                 | 25.1 | 11.2 |
| 1936..... | ...              | 128,181 | 31,737 | 53,319 | 53,740              | 53,019 | 53,440              | ...    | ...                 | 24.6 | 11.3 |
| 1937..... | ...              | 128,961 | 31,266 | 54,088 | 54,320              | 53,768 | 54,000              | ...    | ...                 | 24.1 | 11.3 |
| 1938..... | ...              | 129,969 | 30,980 | 54,872 | 54,950              | 54,532 | 54,610              | ...    | ...                 | 23.8 | 11.3 |
| 1939..... | ...              | 131,028 | 30,840 | 55,588 | 55,600              | 55,218 | 55,230              | ...    | ...                 | 23.4 | 11.3 |
| 1940..... | 7.1              | 132,122 | 30,547 | ...    | 56,180              | ...    | 55,640              | ...    | 14,160              | 23.1 | 11.2 |
| 1941..... | ...              | 133,402 | 30,118 | ...    | 57,530              | ...    | 55,910              | ...    | 14,640              | 22.9 | 11.0 |
| 1942..... | ...              | 134,860 | 28,914 | ...    | 60,380              | ...    | 56,410              | ...    | 16,120              | 22.8 | 10.7 |
| 1943..... | ...              | 136,739 | 26,186 | ...    | 64,560              | ...    | 55,540              | ...    | 18,810              | 23.0 | 10.5 |
| 1944..... | ...              | 138,397 | 24,815 | ...    | 66,040              | ...    | 54,630              | ...    | 19,370              | 23.0 | 10.3 |
| 1945..... | ...              | 139,928 | 24,420 | ...    | 65,300              | ...    | 53,860              | ...    | 19,270              | 23.1 | 9.9  |
| 1946..... | ...              | 141,389 | 25,403 | ...    | 60,970              | ...    | 57,520              | ...    | 16,840              | 23.3 | 9.6  |
| 1947..... | 7.5              | 144,126 | 25,829 | ...    | 61,758              | ...    | 60,168              | ...    | 16,915              | 23.9 | 9.3  |
| 1948..... | 7.4              | 146,631 | 24,383 | ...    | 62,898              | ...    | 61,442              | ...    | 17,599              | 24.5 | 9.0  |
| 1949..... | 7.8              | 149,188 | 24,194 | ...    | 63,721              | ...    | 62,105              | ...    | 18,048              | 25.0 | 8.7  |
| 1950..... | 8.0              | 151,684 | 23,048 | ...    | 64,749              | ...    | 63,099              | ...    | 18,680              | 25.5 | 8.4  |
| 1951..... | 7.8              | 154,287 | 21,890 | ...    | 65,983              | ...    | 62,884              | ...    | 19,309              | 26.0 | 8.2  |
| 1952..... | 7.8              | 156,954 | 21,748 | ...    | 66,560              | ...    | 62,966              | ...    | 19,558              | 26.5 | 8.1  |
| 1953..... | <sup>2</sup> 8.4 | 159,565 | 19,874 | ...    | <sup>2</sup> 67,362 | ...    | <sup>2</sup> 63,815 | ...    | <sup>2</sup> 19,668 | 27.1 | 8.1  |
| 1954..... | 8.2              | 162,391 | 19,019 | ...    | 67,818              | ...    | 64,468              | ...    | 19,971              | 27.6 | 8.1  |
| 1955..... | 8.4              | 165,275 | 19,078 | ...    | 68,896              | ...    | 65,848              | ...    | 20,842              | 28.0 | 8.1  |
| 1956..... | 8.6              | 168,221 | 18,712 | ...    | 70,387              | ...    | 67,530              | ...    | 21,808              | 28.4 | 8.3  |
| 1957..... | 8.6              | 171,274 | 17,656 | ...    | 70,744              | ...    | 67,946              | ...    | 22,097              | 28.6 | 8.6  |
| 1958..... | 8.9              | 174,141 | 17,128 | ...    | 71,284              | ...    | 68,647              | ...    | 22,482              | 28.9 | 8.8  |
| 1959..... | 9.1              | 177,073 | 16,592 | ...    | 71,946              | ...    | 69,394              | ...    | 22,865              | 29.2 | 8.9  |
| 1960..... | 9.3              | 180,684 | 15,635 | ...    | 73,126              | ...    | 70,612              | ...    | 23,619              | 29.5 | 9.0  |
| 1961..... | 9.6              | 183,756 | 14,803 | ...    | 74,175              | ...    | 71,603              | ...    | 24,257              | 29.4 | 9.6  |
| 1962..... | <sup>3</sup> 9.7 | 186,656 | 14,313 | ...    | <sup>3</sup> 74,681 | ...    | <sup>3</sup> 71,854 | ...    | <sup>3</sup> 24,507 | 29.3 | 9.9  |
| 1963..... | 9.9              | 189,417 | 13,367 | ...    | 75,712              | ...    | 72,975              | ...    | 25,141              | 29.2 | 10.1 |
| 1964..... | 10.0             | 192,120 | 12,954 | ...    | 76,971              | ...    | 74,233              | ...    | 25,854              | 29.1 | 10.3 |
| 1965..... | 10.0             | 194,572 | 12,363 | ...    | 78,357              | ...    | 75,635              | ...    | 26,653              | 28.9 | 10.6 |

<sup>1</sup> This is a copyrighted series; it may not be reproduced without written permission from the publisher.

<sup>2</sup> Beginning 1953, data are not strictly comparable with earlier years as a result of the introduction of 1950 census data into the estimating procedure.

<sup>3</sup> Beginning 1962, data are not strictly comparable with earlier years as a result of the introduction of 1960 census data into the estimating procedure.

## Series A116 to A126

| Year      | Distribution of population by age: Census (Percent) |                         |                         |                            | Birth rate per 1,000 population      |   | Death rate per 1,000 population:<br>HEW-Census     |  | Immigration rate<br>-per 1,000 population         |   | A126. Gross<br>stock of ci-<br>vilian tangible<br>national wealth:<br>NBER, Gold-<br>smith (Billions<br>of 1947-49 dol.) |
|-----------|---|-------------------------|-------------------------|----------------------------|--------------------------------------|---|--|--|---|---|--|
|           | A116. 20 to 24 yrs.                                 | A117. 25 to 44<br>years | A118. 45 to<br>64 years | A119. 65 years<br>and over | A120. Sheldon<br><br>(No. per 1,000) | A121. HEW-<br>Census<br><br>(No. per 1,000) | A122. Total pop-<br>ulation<br><br>(No. per 1,000) | A123. Persons<br>15 to 64 years<br><br>(No. per 1,000) | A124. Total:<br>INS-Census<br><br>(No. per 1,000) | A125. Net:<br>Census<br><br>(No. per 1,000) |  |
| 1860..... | ...   | ...                     | ...                     | ...                        | 44.3                                 | ...   | ...  | ...  | 4.9   | ...   | ...  |
| 1861..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 2.8   | ...   | ...  |
| 1862..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 2.8   | ...   | ...  |
| 1863..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 5.2   | ...   | ...  |
| 1864..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 5.5   | ...   | ...  |
| 1865..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 6.9   | ...   | ...  |
| 1866..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 8.7   | ...   | ...  |
| 1867..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 8.4   | ...   | ...  |
| 1868..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.6   | ...   | ...  |
| 1869..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 9.0   | ...   | ...  |
| 1870..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 9.7   | ...   | ...  |
| 1871..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 7.8   | ...   | ...  |
| 1872..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 9.6   | ...   | ...  |
| 1873..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 10.7  | ...   | ...  |
| 1874..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 7.1   | ...   | ...  |
| 1875..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 5.0   | ...   | ...  |
| 1876..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.7   | ...   | ...  |
| 1877..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.0   | ...   | ...  |
| 1878..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 2.9   | ...   | ...  |
| 1879..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.6   | ...   | ...  |
| 1880..... | ...   | ...                     | ...                     | ...                        | 39.8                                 | ...   | ...  | ...  | 9.1   | ...   | ...  |
| 1881..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 13.0  | ...   | ...  |
| 1882..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 14.9  | ...   | ...  |
| 1883..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 11.2  | ...   | ...  |
| 1884..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 9.4   | ...   | ...  |
| 1885..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 7.0   | ...   | ...  |
| 1886..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 5.8   | ...   | ...  |
| 1887..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 8.3   | ...   | ...  |
| 1888..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 9.0   | ...   | ...  |
| 1889..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 7.2   | ...   | ...  |
| 1890..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 7.2   | ...   | ...  |
| 1891..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 8.7   | ...   | ...  |
| 1892..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 8.8   | ...   | ...  |
| 1893..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 6.6   | ...   | ...  |
| 1894..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 4.2   | ...   | ...  |
| 1895..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.7   | ...   | ...  |
| 1896..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 4.8   | ...   | ...  |
| 1897..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.2   | ...   | ...  |
| 1898..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 3.1   | ...   | ...  |
| 1899..... | ...   | ...                     | ...                     | ...                        | ...                                  | ...   | ...  | ...  | 4.2   | ...   | ...  |
| 1900..... | 9.7   | 28.2                    | 13.8                    | 4.1                        | 32.3                                 | ...   | 17.2   | ...  | 5.9   | ...   | ...  |
| 1901..... | 9.7   | 28.3                    | 13.8                    | 4.1                        | ...                                  | ...   | 16.4   | ...  | 6.3   | ...   | ...  |
| 1902..... | 9.7   | 28.4                    | 13.9                    | 4.1                        | ...                                  | ...   | 15.5   | ...  | 8.2   | ...   | ...  |
| 1903..... | 9.8   | 28.5                    | 14.0                    | 4.1                        | ...                                  | ...   | 15.6   | ...  | 10.6  | ...   | ...  |
| 1904..... | 9.8   | 28.6                    | 14.1                    | 4.2                        | ...                                  | ...   | 16.4   | ...  | 9.9   | ...   | ...  |
| 1905..... | 9.8   | 28.7                    | 14.2                    | 4.2                        | ...                                  | ...   | 15.9   | ...  | 12.2  | ...   | ...  |
| 1906..... | 9.8   | 28.9                    | 14.2                    | 4.2                        | ...                                  | ...   | 15.7   | ...  | 12.9  | ...   | ...  |
| 1907..... | 9.9   | 29.0                    | 14.3                    | 4.2                        | ...                                  | ...   | 15.9   | ...  | 14.8  | ...   | ...  |
| 1908..... | 9.9   | 29.1                    | 14.4                    | 4.3                        | ...                                  | ...   | 14.7   | ...  | 8.8   | ...   | ...  |
| 1909..... | 9.9   | 29.2                    | 14.6                    | 4.3                        | ...                                  | 30.0  | 14.2   | ...  | 8.3   | ...   | ...  |



|           |     |      |      |     |     |      |      |     |      |     |         |
|-----------|-----|------|------|-----|-----|------|------|-----|------|-----|---------|
| 1910..... | 9.9 | 29.3 | 14.7 | 4.3 | ... | 30.1 | 14.7 | ... | 11.3 | ... | ...     |
| 1911..... | 9.8 | 29.3 | 14.8 | 4.3 | ... | 29.9 | 13.9 | ... | 9.4  | ... | ...     |
| 1912..... | 9.7 | 29.4 | 14.9 | 4.4 | ... | 29.8 | 13.6 | ... | 8.8  | ... | ...     |
| 1913..... | 9.6 | 29.5 | 15.1 | 4.4 | ... | 29.5 | 13.8 | ... | 12.3 | ... | ...     |
| 1914..... | 9.5 | 29.5 | 15.2 | 4.4 | ... | 29.9 | 13.3 | ... | 12.3 | ... | ...     |
| 1915..... | 9.4 | 29.5 | 15.4 | 4.5 | ... | 29.5 | 13.2 | ... | 3.2  | ... | ...     |
| 1916..... | 9.2 | 29.6 | 15.6 | 4.5 | ... | 29.1 | 13.8 | ... | 2.9  | ... | ...     |
| 1917..... | 9.1 | 29.6 | 15.7 | 4.6 | ... | 28.5 | 14.0 | ... | 2.9  | ... | ...     |
| 1918..... | 8.4 | 29.4 | 16.1 | 4.7 | ... | 28.2 | 18.1 | ... | 1.1  | ... | ...     |
| 1919..... | 8.7 | 29.6 | 16.1 | 4.7 | ... | 26.1 | 12.9 | ... | 1.4  | ... | ...     |
| 1920..... | 8.7 | 29.9 | 16.1 | 4.6 | ... | 27.7 | 13.0 | ... | 4.0  | ... | ...     |
| 1921..... | 8.6 | 29.9 | 16.1 | 4.7 | ... | 28.1 | 11.5 | ... | 7.4  | ... | ...     |
| 1922..... | 8.5 | 29.8 | 16.2 | 4.8 | ... | 26.2 | 11.7 | ... | 2.8  | ... | ...     |
| 1923..... | 8.5 | 29.7 | 16.3 | 4.8 | ... | 26.0 | 12.1 | ... | 4.7  | ... | ...     |
| 1924..... | 8.5 | 29.7 | 16.4 | 4.9 | ... | 26.1 | 11.6 | ... | 6.2  | ... | ...     |
| 1925..... | 8.6 | 29.6 | 16.5 | 5.0 | ... | 25.1 | 11.7 | ... | 2.5  | ... | ...     |
| 1926..... | 8.6 | 29.6 | 16.7 | 5.1 | ... | 24.2 | 12.1 | ... | 2.6  | ... | ...     |
| 1927..... | 8.6 | 29.5 | 16.9 | 5.2 | ... | 23.5 | 11.3 | ... | 2.8  | ... | ...     |
| 1928..... | 8.7 | 29.5 | 17.1 | 5.2 | ... | 22.2 | 12.0 | ... | 2.5  | ... | ...     |
| 1929..... | 8.8 | 29.4 | 17.3 | 5.3 | ... | 21.2 | 11.9 | ... | 2.3  | ... | ...     |
| 1930..... | 8.9 | 29.5 | 17.5 | 5.4 | ... | 21.3 | 11.3 | ... | 2.0  | ... | ...     |
| 1931..... | 8.9 | 29.6 | 17.8 | 5.6 | ... | 20.2 | 11.1 | ... | .8   | ... | ...     |
| 1932..... | 8.9 | 29.6 | 18.0 | 5.7 | ... | 19.5 | 10.9 | ... | .3   | ... | ...     |
| 1933..... | 8.9 | 29.7 | 18.3 | 5.9 | ... | 18.4 | 10.7 | 7.5 | .2   | ... | ...     |
| 1934..... | 8.9 | 29.8 | 18.5 | 6.0 | ... | 19.0 | 11.1 | 7.6 | .2   | ... | ...     |
| 1935..... | 8.9 | 29.9 | 18.8 | 6.1 | ... | 18.7 | 10.9 | 7.5 | .3   | ... | ...     |
| 1936..... | 8.9 | 29.9 | 19.1 | 6.3 | ... | 18.4 | 11.6 | 7.8 | .3   | ... | ...     |
| 1937..... | 8.9 | 30.0 | 19.3 | 6.4 | ... | 18.7 | 11.3 | 7.6 | .4   | ... | ...     |
| 1938..... | 8.8 | 30.0 | 19.6 | 6.6 | ... | 19.2 | 10.6 | 7.0 | .5   | ... | ...     |
| 1939..... | 8.8 | 30.1 | 19.7 | 6.7 | ... | 18.8 | 10.6 | 6.8 | .6   | ... | ...     |
| 1940..... | 8.8 | 30.2 | 19.9 | 6.8 | ... | 19.4 | 10.8 | 6.8 | .5   | .6  | ...     |
| 1941..... | 8.9 | 30.3 | 20.0 | 7.0 | ... | 20.3 | 10.6 | 6.6 | .4   | .4  | ...     |
| 1942..... | 8.9 | 30.3 | 20.2 | 7.1 | ... | 22.2 | 10.4 | 6.5 | .2   | .6  | ...     |
| 1943..... | 8.8 | 30.3 | 20.2 | 7.2 | ... | 22.7 | 10.9 | 6.7 | .2   | 1.1 | ...     |
| 1944..... | 8.7 | 30.4 | 20.3 | 7.3 | ... | 21.3 | 11.4 | 6.6 | .2   | 1.5 | ...     |
| 1945..... | 8.6 | 30.4 | 20.5 | 7.5 | ... | 20.5 | 11.0 | 6.7 | .3   | 1.2 | 1,262.5 |
| 1946..... | 8.5 | 30.4 | 20.6 | 7.7 | ... | 24.1 | 9.9  | 6.1 | .8   | 1.1 | 1,293.2 |
| 1947..... | 8.2 | 30.3 | 20.5 | 7.8 | ... | 26.5 | 10.1 | 6.0 | 1.0  | 1.6 | 1,335.8 |
| 1948..... | 8.0 | 30.2 | 20.4 | 7.9 | ... | 24.8 | 9.9  | 5.9 | 1.2  | 1.9 | 1,387.4 |
| 1949..... | 7.8 | 30.1 | 20.4 | 8.0 | ... | 24.5 | 9.7  | 5.7 | 1.3  | 2.2 | 1,425.3 |
| 1950..... | 7.7 | 30.0 | 20.3 | 8.1 | ... | 23.9 | 9.6  | 5.6 | 1.6  | 2.0 | 1,478.3 |
| 1951..... | 7.5 | 29.8 | 20.2 | 8.3 | ... | 24.8 | 9.7  | 5.6 | 1.3  | 2.2 | 1,533.5 |
| 1952..... | 7.2 | 29.5 | 20.2 | 8.4 | ... | 25.0 | 9.6  | 5.6 | 1.7  | 1.5 | 1,579.1 |
| 1953..... | 6.9 | 29.2 | 20.2 | 8.5 | ... | 24.9 | 9.6  | 5.5 | 1.1  | 1.6 | 1,631.0 |
| 1954..... | 6.6 | 28.8 | 20.2 | 8.6 | ... | 25.2 | 9.1  | 5.2 | 1.3  | 1.8 | 1,682.0 |
| 1955..... | 6.5 | 28.4 | 20.2 | 8.8 | ... | 24.9 | 9.3  | 5.1 | 1.4  | 2.0 | 1,749.4 |
| 1956..... | 6.3 | 28.1 | 20.2 | 8.8 | ... | 25.1 | 9.3  | 5.2 | 1.9  | 2.3 | 1,813.1 |
| 1957..... | 6.2 | 27.6 | 20.1 | 8.9 | ... | 25.2 | 9.5  | 5.3 | 1.9  | 1.6 | 1,880.4 |
| 1958..... | 6.2 | 27.1 | 20.1 | 9.0 | ... | 24.5 | 9.5  | 5.2 | 1.5  | 1.7 | 1,937.0 |
| 1959..... | 6.2 | 26.5 | 20.1 | 9.1 | ... | 24.3 | 9.4  | 5.1 | 1.5  | 1.6 | ...     |
| 1960..... | 6.2 | 26.1 | 20.0 | 9.2 | ... | 23.8 | 9.5  | 5.2 | 1.5  | 1.9 | ...     |
| 1961..... | 6.2 | 25.6 | 20.0 | 9.3 | ... | 23.5 | 9.3  | 5.1 | 1.5  | 2.1 | ...     |
| 1962..... | 6.4 | 25.2 | 20.0 | 9.3 | ... | 22.6 | 9.4  | 5.1 | 1.5  | 2.0 | ...     |
| 1963..... | 6.7 | 24.8 | 20.0 | 9.3 | ... | 21.9 | 9.6  | 5.2 | 1.6  | 2.0 | ...     |
| 1964..... | 6.8 | 24.4 | 20.0 | 9.3 | ... | 21.2 | 9.4  | ... | 1.5  | 1.8 | ...     |
| 1965..... | 7.0 | 24.0 | 20.0 | 9.3 | ... | 19.6 | 9.4  | ... | 1.5  | 1.9 | ...     |

## Series A127 to A137

| Year                    | A127. Net stock of civilian tangible national wealth: NBER, Goldsmith<br><br>(Billions of 1947-49 dollars) | Net reproducible business wealth (stock): NBER, Goldsmith<br>(Billions of 1947-49 dollars) |   |                           |   |  | Net stocks of nonbusiness components of national wealth:<br>NBER, Goldsmith, (Billions of 1947-49 dollars) |                                      |                    |                         | A137. Net reproducible private business wealth per person engaged: OBE-NBER, Kendrick, Goldsmith (1947-49=100) |
|-------------------------|--|--|---|---------------------------|---|--|--|--------------------------------------|--------------------|-------------------------|--|
|                         |  | A128. Total  | A129. Private nonresidential nonfarm structures | A130. Private inventories | A131. Private nonfarm producer durables | A132. Agricultural equipment and nonresidential structures | A133. Government civilian assets   | A134. Private residential structures | A135. Private land | A136. Consumer durables |  |
| 1900.....               | 313.9  | 108.0  | 48.88   | 32.55                     | 16.81                                   | 9.16   | 22.62  | 75.64                                | 87.3               | 21.7                    | 81.2   |
| 1912.....               | 463.5  | 160.7  | 77.33   | 37.70                     | 31.38                                   | 13.64  | 41.20  | 109.43                               | 115.6              | 32.7                    | 88.7   |
| 1920.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1921.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1922.....               | 587.0  | 208.5  | 91.59   | 55.84                     | 43.98                                   | 16.42  | 56.71  | 138.02                               | 125.8              | 37.8                    | 105.3  |
| 1923.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1924.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1925.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1926.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1927.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1928.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1929.....               | 778.8  | 251.4  | 116.03  | 63.19                     | 53.59                                   | 17.34  | 77.77  | 199.62                               | 161.9              | 57.3                    | 110.7  |
| 1930.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1931.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1932.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1933.....               | 743.0  | 229.0  | 113.39  | 53.10                     | 46.73                                   | 14.39  | 97.53  | 191.91                               | 146.4              | 49.8                    | 126.9  |
| 1934.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1935.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1936.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1937.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1938.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1939.....               | 747.5  | 224.1  | 103.27  | 58.49                     | 47.29                                   | 14.90  | 125.24   | 189.12                               | 139.2              | 57.6                    | 104.9  |
| 1940.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1941.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1942.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1945 <sup>1</sup> ..... | 760.6  | 235.8  | 94.49   | 70.09                     | 53.62                                   | 17.41  | 135.21   | 184.28                               | 134.5              | 61.3                    | 97.2   |
| 1945.....               | 788.5  | 229.8  | 92.84   | 70.56                     | 49.34                                   | 17.16  | 141.29   | 208.29                               | 139.2              | 57.5                    | 94.7   |
| 1946.....               | 812.7  | 245.6  | 95.11   | 77.85                     | 54.88                                   | 17.59  | 141.15   | 210.68                               | 137.5              | 64.7                    | 95.8   |
| 1947.....               | 845.9  | 256.8  | 97.00   | 77.49                     | 63.29                                   | 18.82  | 148.98   | 213.95                               | 137.4              | 73.8                    | 95.6   |
| 1948.....               | 882.7  | 272.5  | 99.43   | 80.95                     | 71.49                                   | 20.36  | 153.10   | 220.14                               | 138.7              | 82.2                    | 99.4   |
| 1949.....               | 910.4  | 278.0  | 101.40  | 78.31                     | 76.18                                   | 21.73  | 158.94   | 225.50                               | 140.9              | 90.4                    | 105.0  |
| 1950.....               | 949.8  | 292.1  | 103.66  | 83.87                     | 81.36                                   | 22.99  | 158.53   | 233.68                               | 144.0              | 102.9                   | 107.1  |
| 1951.....               | 991.0  | 310.5  | 106.77  | 92.31                     | 87.20                                   | 24.10  | 162.76   | 240.82                               | 147.3              | 110.2                   | 109.6  |
| 1952.....               | 1,022.4  | 322.1  | 109.91  | 94.67                     | 92.35                                   | 24.89  | 168.18   | 247.73                               | 148.8              | 115.8                   | 112.9  |
| 1953.....               | 1,055.4  | 332.0  | 113.66  | 94.96                     | 97.77                                   | 25.42  | 172.69   | 255.29                               | 150.5              | 123.3                   | 114.5  |
| 1954.....               | 1,086.4  | 339.2  | 117.52  | 93.96                     | 101.74                                  | 25.63  | 178.53   | 263.20                               | 153.3              | 129.8                   | 120.8  |
| 1955.....               | 1,132.1  | 351.8  | 122.46  | 97.72                     | 105.57                                  | 25.78  | 184.51   | 273.87                               | 156.5              | 141.3                   | 122.4  |
| 1956.....               | 1,175.0  | 365.9  | 127.26  | 101.06                    | 111.76                                  | 25.57  | 188.80   | 283.25                               | 160.8              | 149.5                   | 124.8  |
| 1957.....               | 1,216.4  | 378.5  | 132.41  | 102.71                    | 117.72                                  | 25.32  | 195.22   | 291.28                               | 164.8              | 156.3                   | 129.2  |
| 1958.....               | 1,244.4  | 382.3  | 136.43  | 101.02                    | 119.24                                  | 25.34  | 202.87   | 299.11                               | 169.0              | 159.7                   | 135.0  |
| 1959.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1960.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1961.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1962.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1963.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1964.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |
| 1965.....               | ...  | ...  | ...   | ...                       | ...                                     | ...  | ...  | ...                                  | ...                | ...                     | ...  |

BASIC DATA - CONTINUED

Series A138 to A148

230-193 O - 56 - 14

| Year      | Net-gross stock ratio: NBER, Goldsmith (Percent) |   | Stock of fixed business capital: OBE (Billions of 1954 dollars) |                    |  |                    |  |                    | Manufacturing capacity index      |                                      | A148. Number of operating businesses: OBE (Thousands) |
|-----------|--|---|---|--------------------|--|--------------------|--|--------------------|-----------------------------------|--------------------------------------|---|
|           | A138. Private producer durables                  | A139. Private nonresidential structures | Gross   |                    | Net straight-line depreciation schedules |                    | Net double declining balance schedules |                    | A146. McGraw-Hill (Dec. 1950=100) | A147. FR (Percent of 1957-59 output) |   |
|           |  |   | A140. <sup>1</sup>  | A141. <sup>2</sup> | A142. <sup>1</sup>                       | A143. <sup>2</sup> | A144. <sup>1</sup>                     | A145. <sup>2</sup> |                                   |                                      |   |
| 1917..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1918..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1919..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1920..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1921..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1922..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1923..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1924..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1925..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,029.0   |
| 1926..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1927..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1928..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | ...   |
| 1929..... | ...  | ...                                     | 408   | 348                | 229                                      | 189                | 187                                    | 154                | ...                               | ...                                  | ...   |
| 1930..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,993.7   |
| 1931..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,916.4   |
| 1932..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,828.1   |
| 1933..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,782.1   |
| 1934..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,884.0   |
| 1935..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,991.9   |
| 1936..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,069.8   |
| 1937..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,136.3   |
| 1938..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,073.7   |
| 1939..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,222.2   |
| 1940..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,318.9   |
| 1941..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,276.0   |
| 1942..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,295.3   |
| 1943..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,030.0   |
| 1944..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 2,839.1   |
| 1945..... | 52.2   | 46.3                                    | 393   | 316                | 191                                      | 149                | 150                                    | 116                | ...                               | ...                                  | 2,995.4   |
| 1946..... | 55.3   | 46.8                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,242.5   |
| 1947..... | 58.8   | 47.4                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | ...                                  | 3,651.2   |
| 1948..... | 60.7   | 47.8                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | ...                               | 80                                   | 3,872.9   |
| 1949..... | 60.9   | 48.2                                    | 459   | 387                | 246                                      | 200                | 201                                    | 162                | ...                               | 84                                   | 3,984.2   |
| 1950..... | 60.8   | 48.8                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 100                               | 87                                   | 4,008.7   |
| 1951..... | 61.0   | 49.4                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 105                               | 90                                   | 4,067.3   |
| 1952..... | 60.8   | 50.3                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 113                               | 94                                   | 4,118.2   |
| 1953..... | 60.7   | 51.0                                    | 537   | 452                | 296                                      | 242                | 241                                    | 195                | 124                               | 100                                  | 4,187.7   |
| 1954..... | 60.3   | 51.6                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 130                               | 104                                  | 4,239.8   |
| 1955..... | 59.7   | 52.4                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 139                               | 108                                  | 4,286.8   |
| 1956..... | 60.1   | 53.1                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 148                               | 113                                  | 4,381.2   |
| 1957..... | 60.5   | 53.9                                    | 636   | 509                | 344                                      | 280                | 281                                    | 227                | 156                               | 119                                  | 4,470.7   |
| 1958..... | 59.5   | 54.3                                    | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 163                               | 122                                  | 4,533.0   |
| 1959..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 170                               | 126                                  | 4,583.0   |
| 1960..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 177                               | 131                                  | 4,658.0   |
| 1961..... | ...  | ...                                     | 679   | 532                | 366                                      | 301                | 297                                    | 242                | 182                               | 134                                  | 4,713.0   |
| 1962..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 189                               | 139                                  | 4,755.0   |
| 1963..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 197                               | 145                                  | 4,797.0   |
| 1964..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 205                               | 151                                  | ...   |
| 1965..... | ...  | ...                                     | ...   | ...                | ...                                      | ...                | ...                                    | ...                | 219                               | 160                                  | ...   |

## Series A149 to A159

| Year      | A149. Number of listed operating businesses: Dun and Bradstreet<br>(Thousands) | A150. Total Factor productivity: NBER, Kendrick<br>(Index: 1929=100) | A151. Output per unit of total input: CED, Denison<br>(Index: 1929=100) | Output per unit of labor input<br>(Index: 1929=100) |                    | A154. Output per unit of capital input: NBER, Kendrick<br>(Index: 1929=100) | A155. Output per unit of reproducible capital: CED, Denison<br>(Index: 1929=100) | Output per man-hour                       |   | Output per employee                               |                                 |
|-----------|--|--|---|---|--------------------|---|--|---|---|---|---------------------------------|
|           |  |  |   | A152. NBER, Kendrick                                | A153. CED, Denison |   |  | A156. NBER, Kendrick<br>(Index: 1929=100) | A157. Labor force data: BLS<br>(Index: 1957-59=100) | A158. NBER, Kendrick-Leber-gott<br>(1929 dollars) | A159. OBE-BLS<br>(1958 dollars) |
| 1860..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1861..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1862..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1863..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1864..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1865..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1866..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1867..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1868..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1869..... | ...  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1870..... | 427.3  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1871..... | 456.9  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1872..... | 500.1  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1873..... | 493.5  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1874..... | 558.5  | <sup>1</sup> 46.0  | ...   | <sup>1</sup> 40.6                                   | ...                | <sup>1</sup> 62.7   | ...  | <sup>1</sup> 33.0                         | ...   | ...   | ...                             |
| 1875..... | 602.8  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1876..... | 639.3  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1877..... | 636.6  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1878..... | 601.4  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1879..... | 702.2  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1880..... | 746.8  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1881..... | 781.7  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1882..... | 822.2  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1883..... | 864.0  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1884..... | 904.8  | <sup>2</sup> 59.1  | ...   | <sup>2</sup> 53.0                                   | ...                | <sup>2</sup> 78.6   | ...  | <sup>2</sup> 44.8                         | ...   | ...   | ...                             |
| 1885..... | 920.0  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1886..... | 969.8  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1887..... | 994.3  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1888..... | 1,046.7  | ...  | ...   | ...   | ...                | ...   | ...  | ...                                       | ...   | ...   | ...                             |
| 1889..... | 1,051.1  | 56.0   | ...   | 50.0  | ...                | 74.8  | ...  | 43.6                                      | ...   | ...   | ...                             |
| 1890..... | 1,110.6  | 58.6   | ...   | 52.4  | ...                | 77.8  | ...  | 45.7                                      | ...   | 1,196   | ...                             |
| 1891..... | 1,143.0  | 59.1   | ...   | 53.2  | ...                | 77.1  | ...  | 46.6                                      | ...   | 1,237   | ...                             |
| 1892..... | 1,172.7  | 61.8   | ...   | 56.0  | ...                | 79.6  | ...  | 49.4                                      | ...   | 1,292   | ...                             |
| 1893..... | 1,193.1  | 58.7   | ...   | 54.1  | ...                | 71.9  | ...  | 47.4                                      | ...   | 1,319   | ...                             |
| 1894..... | 1,114.2  | 58.5   | ...   | 55.3  | ...                | 67.6  | ...  | 47.7                                      | ...   | 1,356   | ...                             |
| 1895..... | 1,209.3  | 61.7   | ...   | 57.7  | ...                | 73.5  | ...  | 50.7                                      | ...   | 1,404   | ...                             |
| 1896..... | 1,151.6  | 59.5   | ...   | 56.3  | ...                | 69.2  | ...  | 49.5                                      | ...   | 1,357   | ...                             |
| 1897..... | 1,058.5  | 63.7   | ...   | 60.0  | ...                | 74.3  | ...  | 52.9                                      | ...   | 1,455   | ...                             |
| 1898..... | 1,105.8  | 64.1   | ...   | 60.9  | ...                | 73.3  | ...  | 53.7                                      | ...   | 1,419   | ...                             |
| 1899..... | 1,147.6  | 65.4   | ...   | 61.0  | ...                | 77.9  | ...  | 54.7                                      | ...   | 1,424   | ...                             |
| 1900..... | 1,174.0  | 65.7   | ...   | 61.7  | ...                | 77.0  | ...  | 55.6                                      | ...   | 1,411   | ...                             |
| 1901..... | 1,219.0  | 69.8   | ...   | 65.2  | ...                | 83.2  | ...  | 59.4                                      | ...   | 1,518   | ...                             |
| 1902..... | 1,253.0  | 66.7   | ...   | 61.9  | ...                | 80.7  | ...  | 57.2                                      | ...   | 1,487   | ...                             |
| 1903..... | 1,281.0  | 67.7   | ...   | 62.9  | ...                | 81.7  | ...  | 58.5                                      | ...   | 1,524   | ...                             |
| 1904..... | 1,320.0  | 67.2   | ...   | 63.5  | ...                | 78.0  | ...  | 58.4                                      | ...   | 1,492   | ...                             |
| 1905..... | 1,357.0  | 68.8   | ...   | 64.2  | ...                | 81.7  | ...  | 59.9                                      | ...   | 1,543   | ...                             |
| 1906..... | 1,393.0  | 73.5   | ...   | 68.5  | ...                | 88.1  | ...  | 64.4                                      | ...   | 1,631   | ...                             |
| 1907..... | 1,418.0  | 72.7   | ...   | 68.0  | ...                | 86.2  | ...  | 64.2                                      | ...   | 1,627   | ...                             |
| 1908..... | 1,448.0  | 68.2   | ...   | 65.6  | ...                | 76.2  | ...  | 61.1                                      | ...   | 1,543   | ...                             |
| 1909..... | 1,486.0  | 73.4   | 91.0  | 69.6  | 90.3               | 84.3  | 106.7  | 65.6                                      | 34.4  | 1,642   | 3,432                           |

|           |         |       |       |       |       |       |       |       |       |       |       |
|-----------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1910..... | 1,515.0 | 71.6  | 90.0  | 67.7  | 89.4  | 82.4  | 103.7 | 64.4  | 34.4  | 1,628 | 3,461 |
| 1911..... | 1,525.0 | 72.7  | 90.3  | 69.0  | 89.2  | 83.0  | 105.6 | 65.7  | 34.6  | 1,661 | 3,509 |
| 1912..... | 1,564.0 | 73.7  | 92.9  | 69.7  | 91.1  | 85.1  | 109.2 | 66.9  | 35.4  | 1,681 | 3,585 |
| 1913..... | 1,617.0 | 75.6  | 91.7  | 71.8  | 90.4  | 86.0  | 106.4 | 69.2  | 35.5  | 1,708 | 3,536 |
| 1914..... | 1,655.0 | 70.3  | 88.0  | 67.9  | 87.5  | 76.6  | 99.2  | 64.7  | 34.3  | 1,609 | 3,446 |
| 1915..... | 1,675.0 | 72.0  | 89.1  | 70.2  | 89.0  | 77.0  | 99.1  | 67.2  | 34.2  | 1,660 | 3,421 |
| 1916..... | 1,708.0 | 77.4  | 88.2  | 73.7  | 86.5  | 87.5  | 101.1 | 72.3  | 34.7  | 1,803 | 3,516 |
| 1917..... | 1,733.0 | 73.0  | 85.4  | 69.5  | 83.2  | 82.6  | 98.5  | 68.6  | 33.6  | 1,729 | 3,476 |
| 1918..... | 1,708.0 | 78.0  | 90.8  | 75.0  | 87.8  | 86.1  | 105.8 | 74.1  | 35.5  | 1,770 | 3,663 |
| 1919..... | 1,711.0 | 82.1  | 92.9  | 80.4  | 92.1  | 86.8  | 101.7 | 79.0  | 36.9  | 1,822 | 3,598 |
| 1920..... | 1,821.0 | 81.2  | 86.7  | 79.6  | 86.9  | 85.4  | 91.8  | 78.3  | 35.7  | 1,852 | 3,536 |
| 1921..... | 1,927.0 | 85.1  | 83.8  | 86.8  | 86.9  | 81.1  | 81.9  | 83.8  | 35.8  | 1,913 | 3,415 |
| 1922..... | 1,983.0 | 85.1  | 91.5  | 84.9  | 92.7  | 85.7  | 93.1  | 83.0  | 39.3  | 1,899 | 3,708 |
| 1923..... | 1,996.0 | 90.2  | 95.6  | 88.2  | 95.2  | 95.9  | 100.0 | 87.8  | 41.2  | 2,012 | 3,890 |
| 1924..... | 2,047.0 | 93.6  | 95.2  | 92.9  | 96.0  | 95.3  | 96.7  | 91.7  | 41.9  | 2,088 | 3,911 |
| 1925..... | 2,113.0 | 93.6  | 99.1  | 92.5  | 99.2  | 96.4  | 101.3 | 91.6  | 43.9  | 2,070 | 4,101 |
| 1926..... | 2,158.0 | 95.7  | 100.3 | 94.4  | 99.9  | 99.2  | 102.7 | 94.1  | 45.1  | 2,138 | 4,214 |
| 1927..... | 2,172.0 | 96.1  | 98.9  | 95.6  | 99.0  | 97.5  | 99.8  | 95.7  | 45.3  | 2,158 | 4,207 |
| 1928..... | 2,199.0 | 96.0  | 97.5  | 95.9  | 97.6  | 96.1  | 97.9  | 95.7  | 45.2  | 2,170 | 4,206 |
| 1929..... | 2,213.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 47.3  | 2,248 | 4,251 |
| 1930..... | 2,183.0 | 96.3  | 93.3  | 98.8  | 95.6  | 89.0  | 88.0  | 97.5  | 45.1  | 2,140 | 4,012 |
| 1931..... | 2,125.0 | 96.4  | 91.2  | 102.1 | 95.9  | 82.3  | 81.9  | 98.4  | 45.0  | 2,152 | 3,969 |
| 1932..... | 2,077.0 | 91.9  | 81.5  | 100.8 | 88.2  | 71.9  | 70.2  | 95.0  | 42.4  | 1,995 | 3,680 |
| 1933..... | 1,961.0 | 91.3  | 80.6  | 99.3  | 86.8  | 72.5  | 69.3  | 93.5  | 41.7  | 1,937 | 3,627 |
| 1934..... | 1,974.0 | 100.8 | 87.1  | 108.6 | 92.3  | 82.0  | 77.4  | 104.5 | 46.2  | 1,991 | 3,750 |
| 1935..... | 1,983.0 | 105.9 | 91.2  | 111.9 | 94.5  | 90.6  | 85.8  | 108.0 | 48.4  | 2,180 | 3,985 |
| 1936..... | 2,010.0 | 111.2 | 94.6  | 114.4 | 95.3  | 102.2 | 96.1  | 113.3 | 51.4  | 2,278 | 4,317 |
| 1937..... | 2,057.0 | 113.6 | 95.3  | 115.6 | 94.9  | 107.7 | 100.0 | 114.0 | 51.5  | 2,352 | 4,359 |
| 1938..... | 2,102.0 | 115.2 | 94.5  | 120.3 | 95.4  | 100.8 | 94.7  | 117.8 | 52.7  | 2,321 | 4,329 |
| 1939..... | 2,116.0 | 120.2 | 97.5  | 123.6 | 97.1  | 110.4 | 102.0 | 122.2 | 54.8  | 2,407 | 4,540 |
| 1940..... | 2,156.0 | 122.0 | 101.3 | 124.4 | 99.5  | 114.9 | 109.5 | 124.0 | 57.4  | 2,518 | 4,727 |
| 1941..... | 2,171.0 | 131.3 | 106.6 | 131.3 | 102.3 | 131.7 | 122.4 | 134.6 | 60.9  | 2,669 | 5,074 |
| 1942..... | 2,152.0 | 133.1 | 108.3 | 131.3 | 101.3 | 140.2 | 134.4 | 136.6 | 61.5  | 2,679 | 5,159 |
| 1943..... | 2,023.0 | 137.3 | 107.9 | 134.1 | 98.1  | 150.4 | 148.2 | 141.5 | 63.0  | 2,681 | 5,309 |
| 1944..... | 1,855.0 | 147.9 | 112.2 | 144.5 | 101.1 | 161.3 | 159.6 | 152.6 | 67.2  | 2,808 | 5,527 |
| 1945..... | 1,909.0 | 152.9 | 114.9 | 150.9 | 104.8 | 160.7 | 157.6 | 159.0 | 70.0  | 2,816 | 5,528 |
| 1946..... | 2,142.0 | 144.5 | 112.1 | 143.1 | 106.4 | 150.3 | 137.9 | 150.9 | 67.7  | 2,821 | 5,325 |
| 1947..... | 2,405.0 | 143.1 | 110.5 | 142.3 | 105.8 | 146.7 | 132.3 | 151.5 | 67.9  | 3,100 | 5,217 |
| 1948..... | 2,550.0 | 145.9 | 111.9 | 146.4 | 107.5 | 144.6 | 132.0 | 156.7 | 70.2  | 2,856 | 5,344 |
| 1949..... | 2,679.0 | 149.3 | 112.3 | 152.8 | 109.5 | 137.9 | 127.1 | 162.7 | 71.9  | 2,842 | 5,398 |
| 1950..... | 2,687.0 | 158.7 | 118.4 | 162.8 | 115.3 | 145.5 | 133.9 | 175.4 | 78.5  | 3,052 | 5,787 |
| 1951..... | 2,608.0 | 160.4 | 119.0 | 164.8 | 115.1 | 146.0 | 136.6 | 179.4 | 82.1  | 3,122 | 6,002 |
| 1952..... | 2,637.0 | 162.5 | 119.1 | 167.7 | 115.2 | 145.6 | 136.1 | 183.5 | 84.5  | 3,184 | 6,113 |
| 1953..... | 2,666.7 | 166.4 | 121.6 | 173.1 | 117.7 | 145.3 | 138.3 | 190.9 | 88.4  | 3,267 | 6,303 |
| 1954..... | 2,632.3 | 168.4 | 121.1 | 178.4 | 118.7 | 138.9 | 131.9 | 195.4 | 90.8  | ...   | 6,336 |
| 1955..... | 2,633.1 | 176.8 | 125.4 | 186.8 | 122.6 | 146.8 | 137.8 | 204.8 | 94.7  | ...   | 6,637 |
| 1956..... | 2,628.9 | 177.1 | 124.3 | 188.0 | 121.4 | 145.1 | 135.9 | 206.5 | 94.6  | ...   | 6,603 |
| 1957..... | 2,652.2 | 179.4 | 125.5 | 192.6 | 123.4 | 142.4 | 133.6 | 211.7 | 97.2  | ...   | 6,673 |
| 1958..... | 2,675.4 | ...   | 124.2 | ...   | 123.4 | ...   | 127.6 | ...   | 99.4  | ...   | 6,716 |
| 1959..... | 2,708.2 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 103.4 | ...   | 6,985 |
| 1960..... | 2,707.5 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 104.6 | ...   | 7,048 |
| 1961..... | 2,641.5 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 107.4 | ...   | 7,167 |
| 1962..... | 2,589.4 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 113.0 | ...   | 7,496 |
| 1963..... | 2,544.0 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 116.7 | ...   | 7,701 |
| 1964..... | 2,524.0 | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 120.7 | ...   | 7,935 |
| 1965..... | ...     | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 124.2 | ...   | 8,203 |

<sup>1</sup>Decade average, 1869-78.

<sup>2</sup>Decade average, 1879-88.



## Series A160 to A168, B1 and B2

| Year      | Output per person engaged |                | Nonagricultural output per man-hour |                             |                               | Manufacturing output per man-hour |                               | Agricultural output per man-hour |                             | Total unemployment rate (Percent) |         |
|-----------|---------------------------|----------------|-------------------------------------|-----------------------------|-------------------------------|-----------------------------------|-------------------------------|----------------------------------|-----------------------------|-----------------------------------|---------|
|           | A160. NBER, Kendrick      | A161. OBE      | A162. NBER, Kendrick                | A163. Labor force data: BLS | A164. Establishment data: BLS | A165. NBER, Kendrick              | A166. Establishment data: BLS | A167. NBER, Kendrick             | A168. Labor force data: BLS | B1. Lebergott <sup>1</sup>        | B2. BLS |
|           | (1929 dollars)            | (1958 dollars) | (Index: 1929=100)                   | (Index: 1957-59=100)        | (Index: 1957-59=100)          | (Index: 1929=100)                 | (Index: 1957-59=100)          | (Index: 1929=100)                | (Index: 1957-59=100)        |                                   |         |
| 1860..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1861..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1862..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1863..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1864..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1865..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1866..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1867..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1868..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1869..... | ...                       | ...            | ...                                 | ...                         | ...                           | 28.2                              | ...                           | 61.0                             | ...                         | ...                               | ...     |
| 1870..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1871..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1872..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1873..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1874..... | <sup>2</sup> 84.0         | ...            | <sup>2</sup> 29.2                   | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1875..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1876..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1877..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1878..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1879..... | ...                       | ...            | ...                                 | ...                         | ...                           | 31.1                              | ...                           | 72.2                             | ...                         | ...                               | ...     |
| 1880..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1881..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1882..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1883..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1884..... | <sup>3</sup> 1,136        | ...            | <sup>3</sup> 44.2                   | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1885..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1886..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1887..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1888..... | ...                       | ...            | ...                                 | ...                         | ...                           | ...                               | ...                           | ...                              | ...                         | ...                               | ...     |
| 1889..... | 1,123                     | ...            | 41.1                                | ...                         | ...                           | 39.4                              | ...                           | 77.0                             | ...                         | ...                               | ...     |
| 1890..... | 1,170                     | ...            | 44.1                                | ...                         | ...                           | 40.7                              | ...                           | 74.7                             | ...                         | 4.0                               | ...     |
| 1891..... | 1,192                     | ...            | 44.9                                | ...                         | ...                           | 40.8                              | ...                           | 77.0                             | ...                         | 5.4                               | ...     |
| 1892..... | 1,272                     | ...            | 49.4                                | ...                         | ...                           | 41.2                              | ...                           | 72.5                             | ...                         | 5.0                               | ...     |
| 1893..... | 1,212                     | ...            | 47.2                                | ...                         | ...                           | 38.6                              | ...                           | 69.9                             | ...                         | 11.7                              | ...     |
| 1894..... | 1,201                     | ...            | 47.7                                | ...                         | ...                           | 40.5                              | ...                           | 71.7                             | ...                         | 10.4                              | ...     |
| 1895..... | 1,283                     | ...            | 50.6                                | ...                         | ...                           | 43.3                              | ...                           | 75.6                             | ...                         | 13.7                              | ...     |
| 1896..... | 1,249                     | ...            | 47.9                                | ...                         | ...                           | 41.0                              | ...                           | 80.3                             | ...                         | 14.4                              | ...     |
| 1897..... | 1,333                     | ...            | 51.2                                | ...                         | ...                           | 42.7                              | ...                           | 85.6                             | ...                         | 14.5                              | ...     |
| 1898..... | 1,344                     | ...            | 51.6                                | ...                         | ...                           | 47.3                              | ...                           | 88.6                             | ...                         | 12.4                              | ...     |
| 1899..... | 1,386                     | ...            | 52.8                                | ...                         | ...                           | 45.5                              | ...                           | 87.9                             | ...                         | 6.5                               | ...     |
| 1900..... | 1,402                     | ...            | 53.6                                | ...                         | ...                           | 44.1                              | ...                           | 87.9                             | ...                         | 5.0                               | ...     |
| 1901..... | 1,503                     | ...            | 58.5                                | ...                         | ...                           | 46.9                              | ...                           | 86.8                             | ...                         | 4.0                               | ...     |
| 1902..... | 1,452                     | ...            | 55.7                                | ...                         | ...                           | 49.2                              | ...                           | 85.6                             | ...                         | 3.7                               | ...     |
| 1903..... | 1,480                     | ...            | 56.6                                | ...                         | ...                           | 47.6                              | ...                           | 87.6                             | ...                         | 3.9                               | ...     |
| 1904..... | 1,466                     | ...            | 56.5                                | ...                         | ...                           | 50.0                              | ...                           | 89.4                             | ...                         | 5.4                               | ...     |
| 1905..... | 1,507                     | ...            | 57.8                                | ...                         | ...                           | 50.1                              | ...                           | 89.8                             | ...                         | 4.3                               | ...     |
| 1906..... | 1,621                     | ...            | 62.3                                | ...                         | ...                           | 50.8                              | ...                           | 94.0                             | ...                         | 1.7                               | ...     |
| 1907..... | 1,608                     | ...            | 62.7                                | ...                         | ...                           | 49.0                              | ...                           | 89.3                             | ...                         | 2.8                               | ...     |
| 1908..... | 1,506                     | ...            | 59.3                                | ...                         | ...                           | 45.8                              | ...                           | 90.5                             | ...                         | 8.0                               | ...     |
| 1909..... | 1,612                     | ...            | 64.7                                | 39.9                        | 40.7                          | 51.8                              | ...                           | 88.1                             | 33.5                        | 5.1                               | ...     |

BASIC DATA - CONTINUED

|           |       |       |       |       |       |       |       |       |       |      |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|
| 1910..... | 1,586 | ...   | 62.7  | 39.7  | 40.5  | 51.1  | ...   | 90.0  | 34.0  | 5.9  | ...   |
| 1911..... | 1,613 | ...   | 65.2  | 40.3  | 41.1  | 48.9  | ...   | 83.3  | 32.4  | 6.7  | ...   |
| 1912..... | 1,641 | ...   | 64.4  | 40.5  | 41.3  | 56.2  | ...   | 97.2  | 36.5  | 4.6  | ...   |
| 1913..... | 1,683 | ...   | 68.6  | 41.0  | 41.8  | 58.8  | ...   | 85.6  | 33.1  | 4.3  | ...   |
| 1914..... | 1,567 | ...   | 62.7  | 39.6  | 40.4  | 59.1  | ...   | 92.7  | 35.0  | 7.9  | ...   |
| 1915..... | 1,603 | ...   | 64.4  | 38.9  | 39.6  | 66.7  | ...   | 101.3 | 37.7  | 8.5  | ...   |
| 1916..... | 1,719 | ...   | 71.3  | 39.2  | 40.0  | 65.6  | ...   | 89.6  | 34.8  | 5.1  | ...   |
| 1917..... | 1,622 | ...   | 66.0  | 37.7  | 38.4  | 61.0  | ...   | 96.2  | 36.1  | 4.6  | ...   |
| 1918..... | 1,694 | ...   | 74.1  | 40.7  | 41.6  | 60.9  | ...   | 86.2  | 34.5  | 1.4  | ...   |
| 1919..... | 1,761 | ...   | 79.7  | 42.6  | 43.4  | 58.0  | ...   | 88.4  | 35.4  | 1.4  | ...   |
| 1920..... | 1,768 | ...   | 79.4  | 41.1  | 41.9  | 61.5  | ...   | 85.8  | 34.4  | 5.2  | ...   |
| 1921..... | 1,826 | ...   | 86.1  | 41.7  | 42.5  | 71.0  | ...   | 87.6  | 34.0  | 11.7 | ...   |
| 1922..... | 1,832 | ...   | 84.0  | 45.5  | 46.4  | 80.4  | ...   | 90.4  | 35.5  | 6.7  | ...   |
| 1923..... | 1,958 | ...   | 87.8  | 46.9  | 47.8  | 77.4  | ...   | 95.9  | 37.1  | 2.4  | ...   |
| 1924..... | 2,053 | ...   | 93.4  | 46.5  | 49.4  | 82.3  | ...   | 90.0  | 35.1  | 5.0  | ...   |
| 1925..... | 2,045 | ...   | 92.6  | 50.7  | 51.6  | 87.7  | ...   | 94.6  | 36.8  | 3.2  | ...   |
| 1926..... | 2,120 | ...   | 95.0  | 52.0  | 53.0  | 89.4  | ...   | 93.4  | 35.8  | 1.8  | ...   |
| 1927..... | 2,138 | ...   | 95.3  | 51.3  | 52.3  | 91.5  | ...   | 100.1 | 38.9  | 3.3  | ...   |
| 1928..... | 2,140 | ...   | 96.1  | 51.4  | 52.5  | 95.6  | ...   | 96.1  | 36.9  | 4.2  | ...   |
| 1929..... | 2,215 | 4,362 | 100.0 | 53.6  | 54.7  | 100.0 | ...   | 100.0 | 38.5  | 3.2  | 3.2   |
| 1930..... | 2,110 | 4,087 | 98.9  | 51.9  | 52.9  | 100.7 | ...   | 94.0  | 36.9  | 8.9  | 8.7   |
| 1931..... | 2,125 | 4,057 | 100.7 | 52.4  | 53.4  | 103.9 | ...   | 103.0 | 41.5  | 16.3 | 15.9  |
| 1932..... | 1,965 | 3,748 | 98.7  | 50.2  | 51.2  | 97.1  | ...   | 102.2 | 41.8  | 24.1 | 23.6  |
| 1933..... | 1,903 | 3,653 | 96.4  | 49.6  | 50.6  | 105.7 | ...   | 105.2 | 40.8  | 25.2 | 24.9  |
| 1934..... | 1,939 | 3,701 | 108.5 | 54.9  | 56.0  | 110.4 | ...   | 101.0 | 37.8  | 22.0 | 21.7  |
| 1935..... | 2,136 | 3,951 | 111.4 | 57.0  | 58.0  | 117.6 | ...   | 107.0 | 41.1  | 20.3 | 20.1  |
| 1936..... | 2,248 | 4,271 | 115.6 | 59.5  | 60.7  | 118.5 | ...   | 102.9 | 38.3  | 17.0 | 16.9  |
| 1937..... | 2,358 | 4,361 | 116.4 | 59.3  | 60.5  | 116.9 | ...   | 106.8 | 42.5  | 14.3 | 14.3  |
| 1938..... | 2,337 | 4,329 | 119.4 | 60.6  | 61.9  | 114.9 | ...   | 119.8 | 45.5  | 19.1 | 19.0  |
| 1939..... | 2,444 | 4,586 | 123.6 | 62.6  | 63.9  | 125.8 | ...   | 119.5 | 46.3  | 17.2 | 17.2  |
| 1940..... | 2,568 | 4,786 | 124.4 | 65.2  | 66.3  | 131.9 | ...   | 119.9 | 45.0  | ...  | 14.6  |
| 1941..... | 2,719 | 5,082 | 132.6 | 67.3  | 68.7  | 136.7 | ...   | 132.6 | 49.3  | ...  | 9.9   |
| 1942..... | 2,819 | 5,254 | 133.6 | 67.5  | 68.7  | 139.1 | ...   | 136.7 | 52.0  | ...  | 4.7   |
| 1943..... | 2,939 | 5,505 | 138.6 | 68.7  | 70.2  | 141.0 | ...   | 131.5 | 49.8  | ...  | 1.9   |
| 1944..... | 3,215 | 5,943 | 150.3 | 73.6  | 75.3  | 139.4 | ...   | 134.0 | 49.7  | ...  | 1.2   |
| 1945..... | 3,276 | 6,043 | 156.6 | 76.9  | 78.4  | 137.5 | ...   | 137.3 | 49.7  | ...  | 1.9   |
| 1946..... | 3,005 | 5,561 | 146.2 | 73.2  | 74.6  | 126.4 | ...   | 145.4 | 52.9  | ...  | 3.9   |
| 1947..... | 2,894 | 5,429 | 145.7 | 72.9  | 74.3  | 133.8 | 75.1  | 146.1 | 50.7  | ...  | 4 3.9 |
| 1948..... | 3,005 | 5,576 | 149.5 | 74.4  | 76.5  | 138.6 | 78.2  | 161.3 | 59.0  | ...  | 3.8   |
| 1949..... | 3,056 | 5,746 | 155.5 | 76.7  | 79.5  | 143.7 | 81.8  | 165.9 | 57.0  | ...  | 5.9   |
| 1950..... | 3,269 | 6,155 | 165.6 | 82.4  | 84.6  | 155.3 | 85.1  | 182.5 | 65.1  | ...  | 5.3   |
| 1951..... | 3,330 | 6,304 | 168.7 | 85.6  | 86.3  | 153.3 | 87.1  | 180.3 | 65.0  | ...  | 3.3   |
| 1952..... | 3,407 | 6,409 | 171.7 | 87.6  | 87.2  | 157.1 | 88.2  | 189.7 | 70.5  | ...  | 3.1   |
| 1953..... | 3,464 | 6,626 | 176.3 | 90.3  | 89.7  | 163.9 | 89.5  | 217.7 | 79.7  | ...  | 5 2.9 |
| 1954..... | ...   | 6,340 | 179.9 | 92.6  | 91.7  | 168.5 | 90.9  | 232.7 | 83.8  | ...  | 5.6   |
| 1955..... | ...   | 7,147 | 188.2 | 96.7  | 95.7  | 179.7 | 96.8  | 240.3 | 84.3  | ...  | 4.4   |
| 1956..... | ...   | 7,135 | 188.7 | 95.8  | 95.1  | 183.2 | 95.1  | 252.5 | 87.8  | ...  | 4.2   |
| 1957..... | ...   | 7,240 | 192.3 | 97.7  | 97.2  | 187.1 | 97.8  | 265.6 | 93.3  | ...  | 4.3   |
| 1958..... | ...   | 7,384 | ...   | 99.1  | 99.6  | ...   | 99.1  | ...   | 103.1 | ...  | 6.6   |
| 1959..... | ...   | 7,732 | ...   | 103.1 | 103.1 | ...   | 103.3 | ...   | 104.6 | ...  | 5.5   |
| 1960..... | ...   | 7,835 | ...   | 103.8 | 104.4 | ...   | 103.8 | ...   | 110.3 | ...  | 5.6   |
| 1961..... | ...   | 8,040 | ...   | 105.8 | 107.4 | ...   | 106.7 | ...   | 119.5 | ...  | 6.7   |
| 1962..... | ...   | 8,433 | ...   | 111.4 | 112.3 | ...   | 112.6 | ...   | 121.6 | ...  | 6 5.6 |
| 1963..... | ...   | 8,706 | ...   | 114.4 | 115.7 | ...   | 115.4 | ...   | 132.3 | ...  | 5.7   |
| 1964..... | ...   | 9,016 | ...   | 118.2 | 120.2 | ...   | 119.7 | ...   | 132.5 | ...  | 5.2   |
| 1965..... | ...   | 9,290 | ...   | 120.9 | 123.4 | ...   | ...   | ...   | 147.1 | ...  | 4.6   |

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<sup>2</sup>Decade average, 1869-78.

<sup>3</sup>Decade average, 1879-88.

<sup>4</sup>Data for 1947-56 have been adjusted to reflect the changes in definitions of employment and unemployment adopted in January 1957.

<sup>5</sup>Beginning 1953, data are not strictly comparable with earlier years as a result of the introduction of the 1950 census data into the estimating procedure.

<sup>6</sup>Beginning 1962, data are not strictly comparable with earlier years as a result of the introduction of the 1960 census data into the estimating procedure.

## Series B3 to B13

| Year      | B3. Unemployment rate for married men: BLS<br><br>(Percent) | B4. Actual avg. annual hours per employee: NBER, Kendrick<br><br>(Hours) | B5. Potential average annual hours per employee: JEC, Knowles<br><br>(Hours) | Average weekly hours, civilian economy (Hours) |         | Average weekly hours, production workers in mfg. estab. |                        | Labor force participation rates: Lebergott-SSRC (Durand)-BLS (Percent) |           |             |                                 |     |
|-----------|---|--|--|--|---------|---|------------------------|--|-----------|-------------|---------------------------------|-----|
|           |   |  |  | B6. NBER, Kendrick                             | B7. BLS | B8. NBER, Kendrick<br><br>(Hours)                       | B9. BLS<br><br>(Hours) | B10. Total <sup>1</sup>  | B11. Male | B12. Female | B13. Male rates, 14 to 19 years |     |
| 1860..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1861..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1862..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1863..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1864..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1865..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1866..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1867..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1868..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1869..... | ...   | ...  | ...  | ...  | ...     | ...   | 55.9                   | ...  | ...       | ...         | ...                             | ... |
| 1870..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1871..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1872..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1873..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1874..... | ...   | 22,762   | ...  | 253.2  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1875..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1876..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1877..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1878..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1879..... | ...   | ...  | ...  | ...  | ...     | ...   | 54.5                   | ...  | ...       | ...         | ...                             | ... |
| 1880..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1881..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1882..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1883..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1884..... | ...   | 32,777   | ...  | 353.4  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1885..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1886..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1887..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1888..... | ...   | ...  | ...  | ...  | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1889..... | ...   | 2,781  | ...  | 53.5   | ...     | ...   | 53.5                   | ...  | ...       | ...         | ...                             | ... |
| 1890..... | ...   | 2,789  | ...  | 53.7   | ...     | ...   | ...                    | ...  | 84.3      | 18.2        | 50.0                            | ... |
| 1891..... | ...   | 2,791  | ...  | 53.7   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1892..... | ...   | 2,800  | ...  | 53.9   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1893..... | ...   | 2,779  | ...  | 53.5   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1894..... | ...   | 2,740  | ...  | 52.7   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1895..... | ...   | 2,764  | ...  | 53.2   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1896..... | ...   | 2,750  | ...  | 52.9   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1897..... | ...   | 2,755  | ...  | 53.0   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1898..... | ...   | 2,745  | ...  | 52.9   | ...     | ...   | ...                    | ...  | ...       | ...         | ...                             | ... |
| 1899..... | ...   | 2,776  | ...  | 53.4   | ...     | ...   | 52.7                   | ...  | ...       | ...         | ...                             | ... |
| 1900..... | ...   | 2,766  | ...  | 53.2   | ...     | ...   | ...                    | 55.5   | 85.7      | 20.0        | 62.0                            | ... |
| 1901..... | ...   | 2,771  | ...  | 53.3   | ...     | ...   | ...                    | 55.8   | ...       | ...         | ...                             | ... |
| 1902..... | ...   | 2,770  | ...  | 53.3   | ...     | ...   | ...                    | 56.0   | ...       | ...         | ...                             | ... |
| 1903..... | ...   | 2,769  | ...  | 53.3   | ...     | ...   | ...                    | 56.2   | ...       | ...         | ...                             | ... |
| 1904..... | ...   | 2,740  | ...  | 52.7   | ...     | ...   | ...                    | 56.3   | ...       | ...         | ...                             | ... |
| 1905..... | ...   | 2,749  | ...  | 52.9   | ...     | ...   | ...                    | 56.5   | ...       | ...         | ...                             | ... |
| 1906..... | ...   | 2,749  | ...  | 52.9   | ...     | ...   | ...                    | 56.8   | ...       | ...         | ...                             | ... |
| 1907..... | ...   | 2,747  | ...  | 52.9   | ...     | ...   | ...                    | 57.2   | ...       | ...         | ...                             | ... |
| 1908..... | ...   | 2,696  | ...  | 51.9   | ...     | ...   | ...                    | 57.2   | ...       | ...         | ...                             | ... |
| 1909..... | ...   | 2,704  | 2,704  | 52.0   | ...     | ...   | 51.0                   | 57.2   | ...       | ...         | ...                             | ... |

|           |      |       |       |      |      |     |      |      |      |      |      |
|-----------|------|-------|-------|------|------|-----|------|------|------|------|------|
| 1910..... | ...  | 2,705 | 2,700 | 52.1 | ...  | ... | ...  | 57.4 | ...  | ...  | ...  |
| 1911..... | ...  | 2,715 | 2,696 | 52.3 | ...  | ... | ...  | 57.6 | ...  | ...  | ...  |
| 1912..... | ...  | 2,722 | 2,692 | 52.4 | ...  | ... | ...  | 57.4 | ...  | ...  | ...  |
| 1913..... | ...  | 2,704 | 2,687 | 52.1 | ...  | ... | ...  | 57.3 | ...  | ...  | ...  |
| 1914..... | ...  | 2,688 | 2,683 | 51.7 | ...  | ... | ...  | 57.3 | ...  | ...  | ...  |
| 1915..... | ...  | 2,654 | 2,678 | 51.1 | ...  | ... | ...  | 56.8 | ...  | ...  | ...  |
| 1916..... | ...  | 2,668 | 2,669 | 51.4 | ...  | ... | ...  | 56.6 | ...  | ...  | ...  |
| 1917..... | ...  | 2,665 | 2,661 | 51.5 | ...  | ... | ...  | 56.6 | ...  | ...  | ...  |
| 1918..... | ...  | 2,611 | 2,654 | 51.0 | ...  | ... | ...  | 57.7 | ...  | ...  | ...  |
| 1919..... | ...  | 2,551 | 2,642 | 49.4 | ...  | ... | 46.3 | 56.4 | ...  | ...  | ...  |
| 1920..... | ...  | 2,584 | 2,630 | 49.8 | ...  | ... | 47.4 | 55.6 | 84.6 | 22.7 | 51.5 |
| 1921..... | ...  | 2,461 | 2,619 | 47.4 | ...  | ... | 43.1 | 55.9 | ...  | ...  | ...  |
| 1922..... | ...  | 2,508 | 2,607 | 48.3 | ...  | ... | 44.2 | 55.7 | ...  | ...  | ...  |
| 1923..... | ...  | 2,544 | 2,596 | 49.0 | ...  | ... | 45.6 | 55.8 | ...  | ...  | ...  |
| 1924..... | ...  | 2,527 | 2,585 | 48.7 | ...  | ... | 43.7 | 55.5 | ...  | ...  | ...  |
| 1925..... | ...  | 2,549 | 2,573 | 49.1 | ...  | ... | 44.5 | 55.4 | ...  | ...  | ...  |
| 1926..... | ...  | 2,563 | 2,562 | 49.3 | ...  | ... | 45.0 | 55.3 | ...  | ...  | ...  |
| 1927..... | ...  | 2,547 | 2,551 | 49.0 | ...  | ... | 45.0 | 55.2 | ...  | ...  | ...  |
| 1928..... | ...  | 2,545 | 2,540 | 49.0 | ...  | ... | 44.4 | 55.2 | ...  | ...  | ...  |
| 1929..... | ...  | 2,528 | 2,529 | 48.7 | ...  | ... | 44.2 | 55.1 | ...  | ...  | ...  |
| 1930..... | ...  | 2,477 | 2,518 | 47.7 | ...  | ... | 42.1 | 55.0 | 82.1 | 23.6 | 40.1 |
| 1931..... | ...  | 2,435 | 2,507 | 46.9 | ...  | ... | 40.5 | 55.2 | ...  | ...  | ...  |
| 1932..... | ...  | 2,352 | 2,496 | 45.3 | ...  | ... | 38.3 | 55.4 | ...  | ...  | ...  |
| 1933..... | ...  | 2,336 | 2,486 | 45.0 | ...  | ... | 38.1 | 55.6 | ...  | ...  | ...  |
| 1934..... | ...  | 2,167 | 2,460 | 41.7 | ...  | ... | 34.6 | 55.7 | ...  | ...  | ...  |
| 1935..... | ...  | 2,210 | 2,429 | 42.6 | ...  | ... | 36.6 | 55.6 | ...  | ...  | ...  |
| 1936..... | ...  | 2,269 | 2,394 | 43.7 | ...  | ... | 39.2 | 55.7 | ...  | ...  | ...  |
| 1937..... | ...  | 2,310 | 2,366 | 44.5 | ...  | ... | 38.6 | 55.9 | ...  | ...  | ...  |
| 1938..... | ...  | 2,238 | 2,338 | 43.1 | ...  | ... | 35.6 | 56.0 | ...  | ...  | ...  |
| 1939..... | ...  | 2,272 | 2,312 | 43.8 | ...  | ... | 37.7 | 56.0 | ...  | ...  | ...  |
| 1940..... | ...  | 2,278 | 2,286 | 43.9 | ...  | ... | 38.1 | 56.0 | 82.6 | 27.9 | 44.0 |
| 1941..... | ...  | 2,296 | 2,270 | 44.4 | ...  | ... | 40.6 | 56.7 | 83.5 | 28.5 | ...  |
| 1942..... | ...  | 2,342 | 2,254 | 45.5 | ...  | ... | 43.1 | 58.8 | 85.3 | 31.0 | ...  |
| 1943..... | ...  | 2,410 | 2,238 | 46.6 | 48.5 | ... | 45.0 | 62.3 | 87.3 | 35.8 | 64.8 |
| 1944..... | ...  | 2,424 | 2,222 | 47.0 | 47.8 | ... | 45.2 | 63.1 | 88.4 | 36.5 | 69.2 |
| 1945..... | ...  | 2,331 | 2,206 | 45.7 | 46.1 | ... | 43.5 | 61.9 | 86.7 | 35.9 | 64.2 |
| 1946..... | ...  | 2,232 | 2,191 | 43.5 | 44.3 | ... | 40.3 | 57.2 | 82.5 | 31.1 | 53.5 |
| 1947..... | 42.7 | 2,199 | 2,175 | 42.5 | 43.5 | ... | 40.4 | 57.4 | 84.5 | 31.0 | 54.3 |
| 1948..... | ...  | 2,176 | 2,163 | 42.0 | 42.8 | ... | 40.0 | 57.9 | 84.7 | 31.9 | 54.5 |
| 1949..... | 3.4  | 2,153 | 2,150 | 41.6 | 42.1 | ... | 39.1 | 58.0 | 84.5 | 32.4 | 53.7 |
| 1950..... | 4.6  | 2,131 | 2,138 | 41.2 | 41.7 | ... | 40.5 | 58.4 | 84.5 | 33.1 | 53.4 |
| 1951..... | 1.5  | 2,117 | 2,126 | 41.0 | 42.2 | ... | 40.6 | 58.9 | 84.9 | 33.8 | 53.9 |
| 1952..... | 1.4  | 2,113 | 2,115 | 41.0 | 42.4 | ... | 40.7 | 58.8 | 84.7 | 33.9 | 52.1 |
| 1953..... | 1.7  | 2,096 | 2,104 | 40.6 | 41.9 | ... | 40.5 | 58.5 | 84.4 | 33.6 | 50.9 |
| 1954..... | 4.0  | ...   | 2,095 | ...  | 40.9 | ... | 39.6 | 58.4 | 83.9 | 33.7 | 49.3 |
| 1955..... | 52.8 | ...   | 2,086 | ...  | 41.6 | ... | 40.7 | 58.7 | 83.6 | 34.8 | 49.5 |
| 1956..... | 2.6  | ...   | 2,078 | ...  | 41.5 | ... | 40.4 | 59.3 | 83.7 | 35.9 | 51.4 |
| 1957..... | 2.8  | ...   | 2,069 | ...  | 41.0 | ... | 39.8 | 58.7 | 82.7 | 35.9 | 49.7 |
| 1958..... | 5.1  | ...   | 2,060 | ...  | 40.6 | ... | 39.2 | 58.5 | 82.1 | 36.0 | 47.4 |
| 1959..... | 3.6  | ...   | ...   | ...  | 40.5 | ... | 40.3 | 58.3 | 81.7 | 36.1 | 47.2 |
| 1960..... | 3.7  | ...   | ...   | ...  | 40.5 | ... | 39.7 | 58.3 | 81.2 | 36.7 | 46.5 |
| 1961..... | 4.6  | ...   | ...   | ...  | 40.5 | ... | 39.8 | 58.0 | 80.3 | 36.9 | 44.6 |
| 1962..... | 3.6  | ...   | ...   | ...  | 40.5 | ... | 40.4 | 57.4 | 79.3 | 36.7 | 43.6 |
| 1963..... | 3.4  | ...   | ...   | ...  | 40.4 | ... | 40.5 | 57.3 | 78.8 | 37.0 | 43.5 |
| 1964..... | 2.8  | ...   | ...   | ...  | 40.0 | ... | 40.7 | 57.4 | 78.6 | 37.4 | 43.6 |
| 1965..... | 2.4  | ...   | ...   | ...  | 40.5 | ... | 41.2 | 57.5 | 78.3 | 38.0 | 44.5 |

<sup>1</sup>1900 to 1939 data are copyrighted; they may not be reproduced without written permission from the publishers. See appendix 2.

<sup>2</sup>Decade average, 1869-78.

<sup>3</sup>Decade average, 1879-88.

<sup>4</sup>Data for 1947, 1949, and 1951-54 are for April; 1950 for March; remaining years are annual averages.

<sup>5</sup>Data before 1955 have not been adjusted to reflect changes in definitions of employment and unemployment adopted in January 1957.

## Series B14 to B24

| Year      | Labor force participation rates: Lebergott-SSRC (Durand)-BLS (Percent) |                     |                     |                     |                     |                     |                     |                        |                     |                     |                     |
|-----------|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------------|---------------------|---------------------|---------------------|
|           | Male rates by age  |                     |                     |                     |                     |                     |                     | Female rates by age    |                     |                     |                     |
|           | B14. 20 to 24 years  | B15. 25 to 44 years | B16. 25 to 34 years | B17. 35 to 44 years | B18. 45 to 64 years | B19. 45 to 54 years | B20. 55 to 64 years | B21. 65 years and over | B22. 14 to 19 years | B23. 20 to 24 years | B24. 25 to 44 years |
| 1890..... | 90.9   | 96.0                | ...                 | ...                 | 92.0                | ...                 | ...                 | 68.3                   | 24.5                | 30.2                | 15.1                |
| 1900..... | 90.6   | 94.7                | ...                 | ...                 | 90.3                | ...                 | ...                 | 63.1                   | 26.8                | 31.7                | 17.5                |
| 1920..... | 89.9   | 95.6                | ...                 | ...                 | 90.7                | ...                 | ...                 | 55.6                   | 28.4                | 37.5                | 21.7                |
| 1921..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1922..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1923..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1924..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1925..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1926..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1927..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1928..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1929..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1930..... | 88.8   | 95.8                | ...                 | ...                 | 91.0                | ...                 | ...                 | 54.0                   | 22.8                | 41.8                | 24.6                |
| 1931..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1932..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1933..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1934..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1935..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1936..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1937..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1938..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1939..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1940..... | 95.2   | 96.7                | ...                 | ...                 | 90.4                | ...                 | ...                 | 44.2                   | 23.1                | 49.1                | 32.1                |
| 1941..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1942..... | ...  | ...                 | ...                 | ...                 | ...                 | ...                 | ...                 | ...                    | ...                 | ...                 | ...                 |
| 1943..... | 94.3   | 97.4                | ...                 | ...                 | 94.0                | ...                 | ...                 | 49.5                   | 41.4                | 52.3                | 39.6                |
| 1944..... | 97.1   | 97.6                | ...                 | ...                 | 93.5                | ...                 | ...                 | 50.9                   | 41.7                | 54.7                | 39.5                |
| 1945..... | 94.3   | 96.2                | ...                 | ...                 | 93.0                | ...                 | ...                 | 50.8                   | 39.7                | 53.9                | 39.1                |
| 1946..... | 81.0   | 94.3                | ...                 | ...                 | 92.0                | ...                 | ...                 | 47.4                   | 32.1                | 46.2                | 34.3                |
| 1947..... | 84.9   | ...                 | 95.8                | 98.0                | ...                 | 95.5                | 89.6                | 47.8                   | 31.6                | 44.9                | ...                 |
| 1948..... | 85.7   | ...                 | 96.1                | 98.0                | ...                 | 95.8                | 89.5                | 46.8                   | 32.5                | 45.3                | ...                 |
| 1949..... | 87.8   | ...                 | 95.9                | 98.0                | ...                 | 95.6                | 87.5                | 46.9                   | 32.5                | 45.0                | ...                 |
| 1950..... | 89.1   | ...                 | 96.2                | 97.6                | ...                 | 95.8                | 86.9                | 45.8                   | 31.5                | 46.1                | ...                 |
| 1951..... | 91.1   | ...                 | 97.1                | 97.6                | ...                 | 96.0                | 87.2                | 44.9                   | 32.1                | 46.6                | ...                 |
| 1952..... | 92.1   | ...                 | 97.7                | 97.9                | ...                 | 96.2                | 87.5                | 42.6                   | 31.5                | 44.8                | ...                 |
| 1953..... | 92.2   | ...                 | 97.6                | 98.2                | ...                 | 96.6                | 87.9                | 41.6                   | 30.5                | 44.5                | ...                 |
| 1954..... | 91.5   | ...                 | 97.5                | 98.1                | ...                 | 96.5                | 88.7                | 40.5                   | 29.8                | 45.3                | ...                 |
| 1955..... | 90.8   | ...                 | 97.7                | 98.1                | ...                 | 96.5                | 87.9                | 39.6                   | 29.9                | 46.0                | ...                 |
| 1956..... | 90.8   | ...                 | 97.4                | 98.0                | ...                 | 96.6                | 88.5                | 40.0                   | 31.9                | 46.4                | ...                 |
| 1957..... | 89.8   | ...                 | 97.3                | 97.9                | ...                 | 96.4                | 87.5                | 37.5                   | 30.6                | 46.0                | ...                 |
| 1958..... | 89.5   | ...                 | 97.3                | 98.0                | ...                 | 96.3                | 87.8                | 35.6                   | 29.1                | 46.4                | ...                 |
| 1959..... | 90.1   | ...                 | 97.5                | 97.8                | ...                 | 96.0                | 87.4                | 34.2                   | 29.3                | 45.2                | ...                 |
| 1960..... | 90.2   | ...                 | 97.7                | 97.7                | ...                 | 95.8                | 86.8                | 33.1                   | 30.2                | 46.2                | ...                 |
| 1961..... | 89.8   | ...                 | 97.6                | 97.7                | ...                 | 95.6                | 87.3                | 31.7                   | 29.9                | 47.1                | ...                 |
| 1962..... | 89.1   | ...                 | 97.4                | 97.7                | ...                 | 95.6                | 86.2                | 30.3                   | 29.0                | 47.4                | ...                 |
| 1963..... | 88.3   | ...                 | 97.3                | 97.6                | ...                 | 95.8                | 86.2                | 28.4                   | 28.4                | 47.6                | ...                 |
| 1964..... | 88.2   | ...                 | 97.5                | 97.4                | ...                 | 95.8                | 85.6                | 28.0                   | 28.3                | 49.5                | ...                 |
| 1965..... | 88.0   | ...                 | 97.4                | 97.4                | ...                 | 95.6                | 84.7                | 27.9                   | 29.2                | 50.0                | ...                 |



Series B25 to B35

| Year      | Labor force participation rates: Lebergott-SSRC(Durand)-BLS(Percent)<br>Female rates by age |                        |                        |                        |                        |                           | B31. Utilization<br>of industrial<br>capacity: Whar-<br>ton School<br><br>(Percent) | B32. Manufac-<br>turing output as<br>percent of capa-<br>city: FR<br><br>(Percent) | B33. Actual op-<br>erating rate in<br>manufacturing:<br>McGraw-Hill<br><br>(Percent) | B34. Rate of<br>capacity utiliza-<br>tion: Brookings,<br>Hickman <sup>1</sup><br><br>(Percent) | B35. Manufac-<br>turing produc-<br>tion per real net<br>value of equip-<br>ment: JEC<br><br>(Index:<br>1957-59=100) |
|-----------|---|------------------------|------------------------|------------------------|------------------------|---------------------------|---|--|--|--|---|
|           | B25. 25 to 34<br>years  | B26. 35 to 44<br>years | B27. 45 to 64<br>years | B28. 45 to 54<br>years | B29. 55 to 64<br>years | B30. 65 years<br>and over |   |  |  |  |   |
| 1890..... | ...   | ...                    | 12.1                   | ...                    | ...                    | 7.6                       | ...   | ...  | ...  | ...  |   |
| 1900..... | ...   | ...                    | 13.6                   | ...                    | ...                    | 8.3                       | ...   | ...  | ...  | ...  |   |
| 1920..... | ...   | ...                    | 16.5                   | ...                    | ...                    | 7.3                       | ...   | ...  | ...  | ...  |   |
| 1921..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1922..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1923..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1924..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1925..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1926..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1927..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1928..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 91   |   |
| 1929..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 97   |   |
| 1930..... | ...   | ...                    | 18.0                   | ...                    | ...                    | 7.3                       | ...   | ...  | ...  | 80   |   |
| 1931..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 68   |   |
| 1932..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 55   |   |
| 1933..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 70   |   |
| 1934..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 80   |   |
| 1935..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 95   |   |
| 1936..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 111  |   |
| 1937..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 116  |   |
| 1938..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 90   |   |
| 1939..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | 111  |   |
| 1940..... | ...   | ...                    | 21.7                   | ...                    | ...                    | 7.2                       | ...   | ...  | ...  | 122  |   |
| 1941..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1942..... | ...   | ...                    | ...                    | ...                    | ...                    | ...                       | ...   | ...  | ...  | ...  |   |
| 1943..... | ...   | ...                    | 29.2                   | ...                    | ...                    | 9.8                       | ...   | ...  | ...  | ...  |   |
| 1944..... | ...   | ...                    | 31.2                   | ...                    | ...                    | 9.6                       | ...   | ...  | ...  | ...  |   |
| 1945..... | ...   | ...                    | 31.3                   | ...                    | ...                    | 9.3                       | ...   | ...  | ...  | ...  |   |
| 1946..... | ...   | ...                    | 27.9                   | ...                    | ...                    | 8.3                       | ...   | ...  | ...  | 116  |   |
| 1947..... | 32.0  | 36.3                   | ...                    | 32.7                   | 24.3                   | 8.1                       | 96.9  | ...  | ...  | 114  |   |
| 1948..... | 33.2  | 36.9                   | ...                    | 35.0                   | 24.3                   | 9.1                       | 93.2  | 86   | ...  | 108  |   |
| 1949..... | 33.5  | 38.1                   | ...                    | 35.9                   | 25.3                   | 9.6                       | 82.2  | 78   | 111  | 98   |   |
| 1950..... | 34.0  | 39.1                   | ...                    | 38.0                   | 27.0                   | 9.7                       | 89.2  | 88   | 111  | 107  |   |
| 1951..... | 35.4  | 39.8                   | ...                    | 39.7                   | 27.6                   | 8.9                       | 91.3  | 91   | 114  | 109  |   |
| 1952..... | 35.5  | 40.5                   | ...                    | 40.1                   | 28.7                   | 9.1                       | 90.2  | 90   | 112  | 107  |   |
| 1953..... | 34.1  | 41.3                   | ...                    | 40.4                   | 29.1                   | 10.0                      | 93.1  | 93   | 111  | 110  |   |
| 1954..... | 34.5  | 41.3                   | ...                    | 41.2                   | 30.1                   | 9.3                       | 84.9  | 83   | 108  | 100  |   |
| 1955..... | 34.9  | 41.6                   | ...                    | 43.8                   | 32.5                   | 10.6                      | 91.5  | 90   | 109  | 110  |   |
| 1956..... | 35.4  | 43.1                   | ...                    | 45.5                   | 34.9                   | 10.9                      | 91.8  | 88   | 111  | 106  |   |
| 1957..... | 35.6  | 43.3                   | ...                    | 46.5                   | 34.5                   | 10.5                      | 89.2  | 85   | 108  | 101  |   |
| 1958..... | 35.6  | 43.4                   | ...                    | 47.9                   | 35.2                   | 10.3                      | 80.1  | 76   | 103  | 93   |   |
| 1959..... | 35.4  | 43.4                   | ...                    | 49.0                   | 36.6                   | 10.2                      | 86.6  | 84   | 103  | 105  |   |
| 1960..... | 36.0  | 43.5                   | ...                    | 49.8                   | 37.2                   | 10.8                      | 85.2  | 83   | 106  | 107  |   |
| 1961..... | 36.4  | 43.8                   | ...                    | 50.1                   | 37.9                   | 10.7                      | 82.4  | 82   | 105  | 107  |   |
| 1962..... | 36.4  | 44.1                   | ...                    | 50.0                   | 38.7                   | 9.9                       | 84.9  | 86   | 105  | 114  |   |
| 1963..... | 37.2  | 44.9                   | ...                    | 50.6                   | 39.7                   | 9.6                       | 85.7  | 86   | 105  | 118  |   |
| 1964..... | 37.3  | 45.0                   | ...                    | 51.4                   | 40.2                   | 10.1                      | 87.8  | 88   | ...  | ...  |   |
| 1965..... | 38.6  | 46.1                   | ...                    | 50.9                   | 41.1                   | 10.0                      | 91.7  | 91   | 90   | ...  |   |

## Series B36 to B46

| Year      | B36. School enrollment as percent of population, age 5-17: Office of Education<br>(Percent) <sup>1</sup> | B37. Higher education enrollment as percent of population, age 18-21: Office of Education<br>(Percent) <sup>1</sup> | B38. Average length of public school term: Office of Education<br>(School days) <sup>1</sup> | B39. Average number of days attended per pupil: Office of Education<br>(School days) <sup>1</sup> | B40. Median years of education completed, age 25 and over: Census, Folger-Nam<br>(Years) | B41. Total expenditure in the education system: Office of Education<br>(Millions of dollars) <sup>1</sup> | B42. Expenditure per student enrolled in higher education: Office of Education - HEW<br>(Dollars) <sup>1</sup> | B43. Expenditure per pupil enrolled in public schools: Office of Education<br>(Dollars) <sup>1</sup> | Median income by education completed - males, age 25 years and over: Census (Dollars) |                          |                                       |
|-----------|--|---|--|---|--|---|--|--|---|--------------------------|---------------------------------------|
|           |  |   |  |   |  |   |  |  | B44. 8 years elementary school  | B45. 4 years high school | B46. 4 years or more higher education |
| 1860..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1861..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1862..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1863..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1864..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1865..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1866..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1867..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1868..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1869..... | ...  | ...   | ...  | ...   | ...  | ...   | ...  | ...  | ...   | ...                      | ...                                   |
| 1870..... | ...  | 1.7   | 132.2  | 78.4  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1871..... | ...  | ...   | 132.1  | 79.4  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1872..... | ...  | ...   | 133.4  | 79.5  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1873..... | ...  | ...   | 129.1  | 76.5  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1874..... | ...  | ...   | 128.8  | 77.0  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1875..... | ...  | ...   | 130.4  | 77.9  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1876..... | ...  | ...   | 133.1  | 79.4  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1877..... | ...  | ...   | 132.1  | 80.0  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1878..... | ...  | ...   | 132.0  | 80.9  | ...  | ...   | ...  | 8  | ...   | ...                      | ...                                   |
| 1879..... | ...  | ...   | 130.2  | 80.5  | ...  | ...   | ...  | 8  | ...   | ...                      | ...                                   |
| 1880..... | ...  | 2.7   | 130.3  | 81.1  | ...  | ...   | ...  | 8  | ...   | ...                      | ...                                   |
| 1881..... | ...  | ...   | 130.1  | 80.0  | ...  | ...   | ...  | 8  | ...   | ...                      | ...                                   |
| 1882..... | ...  | ...   | 131.2  | 81.3  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1883..... | ...  | ...   | 129.8  | 81.1  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1884..... | ...  | ...   | 129.1  | 82.9  | ...  | ...   | ...  | 9  | ...   | ...                      | ...                                   |
| 1885..... | ...  | ...   | 130.7  | 83.6  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1886..... | ...  | ...   | 130.4  | 84.1  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1887..... | ...  | ...   | 131.3  | 84.9  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1888..... | ...  | ...   | 132.3  | 85.9  | ...  | ...   | ...  | 10   | ...   | ...                      | ...                                   |
| 1889..... | 75.2   | ...   | 133.7  | 86.4  | ...  | ...   | ...  | 11   | ...   | ...                      | ...                                   |
| 1890..... | 78.1   | 3.0   | 134.7  | 86.3  | ...  | ...   | ...  | 11   | ...   | ...                      | ...                                   |
| 1891..... | 77.3   | ...   | 135.7  | 86.6  | ...  | ...   | ...  | 11   | ...   | ...                      | ...                                   |
| 1892..... | 76.3   | ...   | 136.9  | 88.4  | ...  | ...   | ...  | 12   | ...   | ...                      | ...                                   |
| 1893..... | 76.6   | ...   | 136.3  | 89.6  | ...  | ...   | ...  | 12   | ...   | ...                      | ...                                   |
| 1894..... | 78.0   | ...   | 139.5  | 91.6  | ...  | ...   | ...  | 12   | ...   | ...                      | ...                                   |
| 1895..... | 77.6   | ...   | 139.5  | 93.5  | ...  | ...   | ...  | 12   | ...   | ...                      | ...                                   |
| 1896..... | 78.4   | ...   | 140.5  | 94.8  | ...  | ...   | ...  | 13   | ...   | ...                      | ...                                   |
| 1897..... | 78.8   | ...   | 142.0  | 96.3  | ...  | ...   | ...  | 13   | ...   | ...                      | ...                                   |
| 1898..... | 79.2   | ...   | 143.0  | 98.0  | ...  | ...   | ...  | 13   | ...   | ...                      | ...                                   |
| 1899..... | 78.2   | ...   | 143.0  | 97.9  | ...  | ...   | ...  | 13   | ...   | ...                      | ...                                   |
| 1900..... | 78.7   | 4.0   | 144.3  | 99.0  | ...  | ...   | ...  | 14   | ...   | ...                      | ...                                   |
| 1901..... | 78.0   | ...   | 143.7  | 98.0  | ...  | ...   | ...  | 14   | ...   | ...                      | ...                                   |
| 1902..... | 76.9   | ...   | 144.7  | 100.6   | ...  | ...   | ...  | 15   | ...   | ...                      | ...                                   |
| 1903..... | 76.0   | ...   | 147.2  | 101.7   | ...  | ...   | ...  | 16   | ...   | ...                      | ...                                   |
| 1904..... | 76.3   | ...   | 146.7  | 102.1   | ...  | ...   | ...  | 17   | ...   | ...                      | ...                                   |
| 1905..... | 76.0   | ...   | 150.9  | 105.2   | ...  | ...   | ...  | 18   | ...   | ...                      | ...                                   |
| 1906..... | 76.4   | ...   | 150.6  | 106.0   | ...  | ...   | ...  | 18   | ...   | ...                      | ...                                   |
| 1907..... | 75.0   | ...   | 151.8  | 107.3   | ...  | ...   | ...  | 20   | ...   | ...                      | ...                                   |
| 1908..... | 75.6   | ...   | 154.1  | 109.8   | ...  | ...   | ...  | 22   | ...   | ...                      | ...                                   |
| 1909..... | 78.3   | ...   | 155.3  | 112.6   | ...  | ...   | ...  | 23   | ...   | ...                      | ...                                   |

BASIC DATA - CONTINUED

|           |      |      |       |       |      |        |       |     |                    |       |       |
|-----------|------|------|-------|-------|------|--------|-------|-----|--------------------|-------|-------|
| 1910..... | 79.9 | 5.1  | 157.5 | 113.0 | 8.1  | ...    | ...   | 24  | ...                | ...   | ...   |
| 1911..... | 78.9 | ...  | 156.8 | 111.8 | ...  | ...    | ...   | 25  | ...                | ...   | ...   |
| 1912..... | 78.7 | ...  | 158.0 | 115.6 | ...  | ...    | ...   | 27  | ...                | ...   | ...   |
| 1913..... | 79.5 | ...  | 158.1 | 115.6 | ...  | ...    | ...   | 28  | ...                | ...   | ...   |
| 1914..... | 80.6 | ...  | 158.7 | 117.8 | ...  | ...    | ...   | 29  | ...                | ...   | ...   |
| 1915..... | 81.3 | ...  | 159.4 | 121.2 | ...  | ...    | ...   | 31  | ...                | ...   | ...   |
| 1916..... | 82.6 | ...  | 160.3 | 120.9 | ...  | ...    | ...   | 31  | ...                | ...   | ...   |
| 1917..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1918..... | 81.3 | ...  | 160.7 | 119.8 | ...  | ...    | ...   | 37  | ...                | ...   | ...   |
| 1919..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1920..... | 83.9 | 8.1  | 161.9 | 121.2 | 8.2  | ...    | 446   | 48  | ...                | ...   | ...   |
| 1921..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1922..... | 86.7 | ...  | 164.0 | 130.6 | ...  | ...    | ...   | 68  | ...                | ...   | ...   |
| 1923..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1924..... | 88.7 | ...  | 168.3 | 132.5 | ...  | ...    | ...   | 75  | ...                | ...   | ...   |
| 1925..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1926..... | 90.4 | ...  | 169.3 | 135.9 | ...  | ...    | ...   | 82  | ...                | ...   | ...   |
| 1927..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1928..... | 90.0 | ...  | 171.5 | 140.4 | ...  | ...    | ...   | 87  | ...                | ...   | ...   |
| 1929..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1930..... | 89.7 | 12.4 | 172.7 | 143.0 | 8.4  | 3,234  | 574   | 90  | ...                | ...   | ...   |
| 1931..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1932..... | 90.7 | ...  | 171.2 | 144.9 | ...  | 2,966  | 550   | 83  | ...                | ...   | ...   |
| 1933..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1934..... | 90.0 | ...  | 171.6 | 145.8 | ...  | 2,295  | 473   | 65  | ...                | ...   | ...   |
| 1935..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1936..... | 91.7 | ...  | 173.0 | 146.3 | ...  | 2,650  | 488   | 75  | ...                | ...   | ...   |
| 1937..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1938..... | 93.1 | ...  | 173.9 | 149.3 | ...  | 3,014  | 507   | 86  | ...                | ...   | ...   |
| 1939..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | 2,106 <sup>1</sup> | 1,432 | 2,017 |
| 1940..... | 94.1 | 15.6 | 175.0 | 151.7 | 8.6  | 3,200  | 507   | 92  | ...                | ...   | ...   |
| 1941..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1942..... | 93.2 | 14.5 | 174.7 | 149.6 | ...  | 3,204  | 561   | 95  | ...                | ...   | ...   |
| 1943..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1944..... | 89.0 | 11.9 | 175.5 | 147.9 | ...  | 3,522  | 868   | 105 | ...                | ...   | ...   |
| 1945..... | ...  | ...  | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1946..... | 90.3 | 17.6 | 176.8 | 150.6 | ...  | 4,168  | 692   | 125 | ...                | ...   | ...   |
| 1947..... | ...  | 22.1 | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1948..... | 89.5 | 25.2 | 177.6 | 155.1 | ...  | 6,574  | 936   | 180 | ...                | ...   | ...   |
| 1949..... | ...  | 26.3 | ...   | ...   | ...  | ...    | ...   | ... | 2,533              | 3,285 | 4,407 |
| 1950..... | 92.6 | 27.2 | 177.9 | 157.9 | 9.3  | 8,796  | 1,089 | 232 | ...                | ...   | ...   |
| 1951..... | ...  | 25.5 | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1952..... | 96.8 | 24.0 | 178.2 | 156.0 | ...  | 11,312 | 1,367 | 276 | ...                | ...   | ...   |
| 1953..... | ...  | 25.0 | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1954..... | 96.1 | 26.4 | 178.6 | 158.9 | ...  | 13,950 | 1,530 | 315 | ...                | ...   | ...   |
| 1955..... | ...  | 29.0 | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1956..... | 96.2 | 31.2 | 178.0 | 158.5 | ...  | 16,812 | 1,576 | 352 | ...                | ...   | ...   |
| 1957..... | ...  | 33.5 | ...   | ...   | ...  | ...    | ...   | ... | ...                | ...   | ...   |
| 1958..... | 96.5 | 34.3 | 177.6 | 157.4 | ...  | 21,120 | 1,780 | 405 | 3,508              | 4,992 | 6,866 |
| 1959..... | ...  | 36.0 | ...   | ...   | ...  | ...    | ...   | ... | 4,474              | 5,541 | 7,664 |
| 1960..... | 95.1 | 36.6 | 178.0 | 160.2 | 10.5 | 24,722 | 1,966 | 433 | ...                | ...   | ...   |
| 1961..... | ...  | 37.5 | ...   | ...   | ...  | ...    | ...   | ... | 3,868              | 5,552 | 7,697 |
| 1962..... | 97.9 | 37.7 | 179.1 | 162.3 | 11.4 | 29,366 | 2,195 | 480 | ...                | ...   | ...   |
| 1963..... | ...  | 38.9 | ...   | ...   | ...  | ...    | ...   | ... | 4,076              | 5,999 | 7,987 |
| 1964..... | ...  | 40.4 | 179.0 | 163.2 | 11.7 | 35,900 | 2,447 | 523 | 3,983              | 6,266 | 8,805 |
| 1965..... | 97.1 | 43.9 | ...   | ...   | 11.8 | 39,000 | 2,444 | 547 | ...                | ...   | ...   |

<sup>1</sup>Data are shown for year in which the school year ends.

<sup>2</sup>Average for 1939 includes males with 7 years of elementary school completed.

## Series B47 to B57

| Year      | B47. Public expenditure for medical research: Social Security Administration<br>(Millions of dollars) | B48. Work-loss days per currently employed person: PHS<br>(Work days per year) | B49. Patients in hospitals for psychiatric care: PHS<br>(No. per 100,000 population) | B50. Average life expectancy at birth: PHS<br>(Years) | B51. Applications for patents: Patent Office<br>(Number) | Total expenditures for scientific research and development |                                   |                                   | Sources of funds for scientific research and development (Millions of dollars) |                              |                    |
|-----------|---|--|--|---|--|--|-----------------------------------|-----------------------------------|--|------------------------------|--------------------|
|           |   |  |  |   |  | B52. NSF<br>(Thousands of dollars)                         | B53. DOD<br>(Millions of dollars) | B54. NSF<br>(Millions of dollars) | B55. Government: DOD   | B56. Federal Government: NSF | B57. Industry: DOD |
| 1860..... | ...   | ...  | ...  | ...   | 7,653  | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1861..... | ...   | ...  | ...  | ...   | 4,643  | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1862..... | ...   | ...  | ...  | ...   | 5,038  | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1863..... | ...   | ...  | ...  | ...   | 6,014  | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1864..... | ...   | ...  | ...  | ...   | 6,932  | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1865..... | ...   | ...  | ...  | ...   | 10,664   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1866..... | ...   | ...  | ...  | ...   | 15,269   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1867..... | ...   | ...  | ...  | ...   | 21,276   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1868..... | ...   | ...  | ...  | ...   | 20,420   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1869..... | ...   | ...  | ...  | ...   | 19,271   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1870..... | ...   | ...  | ...  | ...   | 19,171   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1871..... | ...   | ...  | ...  | ...   | 19,472   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1872..... | ...   | ...  | ...  | ...   | 18,246   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1873..... | ...   | ...  | ...  | ...   | 20,414   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1874..... | ...   | ...  | ...  | ...   | 21,602   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1875..... | ...   | ...  | ...  | ...   | 21,638   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1876..... | ...   | ...  | ...  | ...   | 21,425   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1877..... | ...   | ...  | ...  | ...   | 20,308   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1878..... | ...   | ...  | ...  | ...   | 20,260   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1879..... | ...   | ...  | ...  | ...   | 20,059   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1880..... | ...   | ...  | ...  | ...   | 22,395   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1881..... | ...   | ...  | ...  | ...   | 25,556   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1882..... | ...   | ...  | ...  | ...   | 31,218   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1883..... | ...   | ...  | ...  | ...   | 34,311   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1884..... | ...   | ...  | ...  | ...   | 35,422   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1885..... | ...   | ...  | ...  | ...   | 35,559   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1886..... | ...   | ...  | ...  | ...   | 35,806   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1887..... | ...   | ...  | ...  | ...   | 35,461   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1888..... | ...   | ...  | ...  | ...   | 35,684   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1889..... | ...   | ...  | ...  | ...   | 40,464   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1890..... | ...   | ...  | ...  | ...   | 40,930   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1891..... | ...   | ...  | ...  | ...   | 40,443   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1892..... | ...   | ...  | ...  | ...   | 30,644   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1893..... | ...   | ...  | ...  | ...   | 38,353   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1894..... | ...   | ...  | ...  | ...   | 38,344   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1895..... | ...   | ...  | ...  | ...   | 40,608   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1896..... | ...   | ...  | ...  | ...   | 43,905   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1897..... | ...   | ...  | ...  | ...   | 47,811   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1898..... | ...   | ...  | ...  | ...   | 35,758   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1899..... | ...   | ...  | ...  | ...   | 41,337   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1900..... | ...   | ...  | ...  | 47.3  | 41,898   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1901..... | ...   | ...  | ...  | 49.1  | 46,334   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1902..... | ...   | ...  | ...  | 51.5  | 49,490   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1903..... | ...   | ...  | 185.5  | 50.5  | 50,059   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1904..... | ...   | ...  | ...  | 47.6  | 51,986   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1905..... | ...   | ...  | ...  | 48.7  | 54,815   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1906..... | ...   | ...  | ...  | 48.7  | 56,277   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1907..... | ...   | ...  | ...  | 47.6  | 58,575   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1908..... | ...   | ...  | ...  | 51.1  | 61,273   | ...  | ...                               | ...                               | ...  | ...                          | ...                |
| 1909..... | ...   | ...  | 206.8  | 52.1  | 65,642   | ...  | ...                               | ...                               | ...  | ...                          | ...                |

|           |         |     |       |      |        |         |       |        |       |        |       |
|-----------|---------|-----|-------|------|--------|---------|-------|--------|-------|--------|-------|
| 1910..... | ...     | ... | ...   | 50.0 | 64,448 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1911..... | ...     | ... | ...   | 52.6 | 68,904 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1912..... | ...     | ... | ...   | 53.5 | 70,818 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1913..... | ...     | ... | ...   | 52.5 | 70,177 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1914..... | ...     | ... | ...   | 54.2 | 70,228 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1915..... | ...     | ... | ...   | 54.5 | 69,872 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1916..... | ...     | ... | ...   | 51.7 | 70,759 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1917..... | ...     | ... | ...   | 50.9 | 70,135 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1918..... | ...     | ... | ...   | 39.1 | 59,581 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1919..... | ...     | ... | ...   | 54.7 | 80,337 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1920..... | ...     | ... | ...   | 54.1 | 86,575 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1921..... | ...     | ... | ...   | 60.8 | 93,063 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1922..... | ...     | ... | 243.0 | 59.6 | 88,725 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1923..... | ...     | ... | ...   | 57.2 | 80,333 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1924..... | ...     | ... | ...   | 59.7 | 80,622 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1925..... | ...     | ... | ...   | 59.0 | 84,290 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1926..... | ...     | ... | ...   | 56.7 | 85,708 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1927..... | ...     | ... | ...   | 60.4 | 91,692 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1928..... | ...     | ... | ...   | 56.8 | 92,364 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1929..... | ...     | ... | ...   | 57.1 | 94,272 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1930..... | ...     | ... | ...   | 59.7 | 93,752 | 166,191 | ...   | ...    | ...   | ...    | ...   |
| 1931..... | ...     | ... | ...   | 61.1 | 83,967 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1932..... | ...     | ... | ...   | 62.1 | 71,397 | 191,070 | ...   | ...    | ...   | ...    | ...   |
| 1933..... | ...     | ... | ...   | 63.3 | 60,185 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1934..... | ...     | ... | ...   | 61.1 | 61,070 | 171,836 | ...   | ...    | ...   | ...    | ...   |
| 1935..... | ...     | ... | 330.9 | 61.7 | 63,917 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1936..... | ...     | ... | ...   | 58.5 | 69,143 | 218,122 | ...   | ...    | ...   | ...    | ...   |
| 1937..... | ...     | ... | ...   | 60.0 | 72,576 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1938..... | ...     | ... | ...   | 63.5 | 75,006 | 263,722 | ...   | ...    | ...   | ...    | ...   |
| 1939..... | ...     | ... | ...   | 63.7 | 71,306 | ...     | ...   | ...    | ...   | ...    | ...   |
| 1940..... | 3.1     | ... | 363.7 | 62.9 | 69,484 | 345,245 | ...   | ...    | ...   | ...    | ...   |
| 1941..... | ...     | ... | ...   | 64.8 | 59,609 | ...     | 900   | ...    | 370   | ...    | 510   |
| 1942..... | ...     | ... | 383.2 | 66.2 | 49,827 | ...     | 1,070 | ...    | 490   | ...    | 560   |
| 1943..... | ...     | ... | 394.2 | 63.3 | 48,520 | ...     | 1,210 | ...    | 780   | ...    | 410   |
| 1944..... | ...     | ... | 402.2 | 65.2 | 59,295 | ...     | 1,380 | ...    | 940   | ...    | 420   |
| 1945..... | 17.0    | ... | 409.0 | 65.9 | 75,964 | ...     | 1,520 | ...    | 1,070 | ...    | 430   |
| 1946..... | ...     | ... | 383.7 | 66.7 | 91,826 | ...     | 1,780 | ...    | 910   | ...    | 840   |
| 1947..... | ...     | ... | 381.0 | 66.8 | 83,179 | ...     | 2,260 | ...    | 1,160 | ...    | 1,050 |
| 1948..... | ...     | ... | 383.7 | 67.2 | 75,847 | ...     | 2,610 | ...    | 1,390 | ...    | 1,150 |
| 1949..... | ...     | ... | 383.9 | 68.0 | 74,660 | ...     | 2,610 | ...    | 1,550 | ...    | 990   |
| 1950..... | 72.9    | ... | 384.9 | 68.2 | 74,108 | ...     | 2,870 | ...    | 1,610 | ...    | 1,180 |
| 1951..... | ...     | ... | 387.5 | 68.4 | 64,788 | ...     | 3,360 | ...    | 1,980 | ...    | 1,300 |
| 1952..... | ...     | ... | 389.0 | 68.6 | 69,631 | ...     | 3,750 | ...    | 2,240 | ...    | 1,430 |
| 1953..... | ...     | ... | 390.8 | 68.8 | 77,833 | ...     | 4,000 | 5,160  | 2,490 | 2,760  | 1,430 |
| 1954..... | ...     | ... | 391.3 | 69.6 | 82,745 | ...     | ...   | 5,660  | ...   | 3,120  | ...   |
| 1955..... | 138.9   | ... | 388.7 | 69.5 | 83,070 | ...     | ...   | 6,200  | ...   | 3,500  | ...   |
| 1956..... | ...     | ... | 377.9 | 69.6 | 79,834 | ...     | ...   | 8,370  | ...   | 4,820  | ...   |
| 1957..... | ...     | ... | 368.6 | 69.3 | 79,012 | ...     | ...   | 9,810  | ...   | 6,105  | ...   |
| 1958..... | 292.2   | 6.7 | 360.8 | 69.4 | 82,552 | ...     | ...   | 10,810 | ...   | 6,840  | ...   |
| 1959..... | ...     | 5.1 | 352.7 | 69.9 | 83,587 | ...     | ...   | 12,430 | ...   | 8,070  | ...   |
| 1960..... | 471.2   | 5.6 | 343.2 | 69.7 | 84,246 | ...     | ...   | 13,620 | ...   | 8,770  | ...   |
| 1961..... | 603.9   | 5.4 | 332.5 | 70.2 | 87,921 | ...     | ...   | 14,380 | ...   | 9,220  | ...   |
| 1962..... | 819.1   | 5.8 | 321.8 | 70.0 | 90,077 | ...     | ...   | 15,610 | ...   | 10,045 | ...   |
| 1963..... | 964.0   | 6.2 | 310.6 | 69.9 | 90,837 | ...     | ...   | 17,350 | ...   | 11,340 | ...   |
| 1964..... | 1,101.7 | 5.5 | 298.7 | 70.2 | 92,976 | ...     | ...   | 18,780 | ...   | 12,435 | ...   |
| 1965..... | 1,235.2 | 5.7 | ...   | ...  | ...    | ...     | ...   | ...    | ...   | ...    | ...   |



## Series B58 to B68

| Year      | Sources of funds for scientific research and development (Millions of dollars) |                        |                                     |  | Implicit price deflator for GNP          |                               | B64. Implicit price deflator for gross private domestic product: OBE<br>(Index: 1958=100) | Implicit price deflator for personal consumption expenditures |                               | Implicit price deflator for fixed investment |                               |
|-----------|--|------------------------|-------------------------------------|--|--|-------------------------------|---|---|-------------------------------|--|-------------------------------|
|           | B58. Industry: NSF   | B59. Universities: DOD | B60. Colleges and universities: NSF | B61. Other non-profit institutions: NSF <sup>1</sup> | B62. NBER, Kendrick<br>(Index: 1929=100) | B63. OBE<br>(Index: 1958=100) |   | B65. NBER, Kendrick<br>(Index: 1929=100)                      | B66. OBE<br>(Index: 1958=100) | B67. NBER, Kendrick<br>(Index: 1929=100)     | B68. OBE<br>(Index: 1958=100) |
| 1860..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1861..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1862..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1863..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1864..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1865..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1866..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1867..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1868..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1869..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1870..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1871..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1872..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1873..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1874..... | ...  | ...                    | ...                                 | ...  | 264.6                                    | ...                           | ...   | 269.7   | ...                           | 253.5  | ...                           |
| 1875..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1876..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1877..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1878..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1879..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1880..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1881..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1882..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1883..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1884..... | ...  | ...                    | ...                                 | ...  | 353.3                                    | ...                           | ...   | 356.0   | ...                           | 346.7  | ...                           |
| 1885..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1886..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1887..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1888..... | ...  | ...                    | ...                                 | ...  | ...                                      | ...                           | ...   | ...   | ...                           | ...  | ...                           |
| 1889..... | ...  | ...                    | ...                                 | ...  | 51.2                                     | ...                           | ...   | 53.8  | ...                           | 45.2   | ...                           |
| 1890..... | ...  | ...                    | ...                                 | ...  | 50.1                                     | ...                           | ...   | 53.0  | ...                           | 44.7   | ...                           |
| 1891..... | ...  | ...                    | ...                                 | ...  | 49.4                                     | ...                           | ...   | 52.3  | ...                           | 42.9   | ...                           |
| 1892..... | ...  | ...                    | ...                                 | ...  | 47.6                                     | ...                           | ...   | 50.4  | ...                           | 41.8   | ...                           |
| 1893..... | ...  | ...                    | ...                                 | ...  | 48.5                                     | ...                           | ...   | 51.6  | ...                           | 41.4   | ...                           |
| 1894..... | ...  | ...                    | ...                                 | ...  | 45.5                                     | ...                           | ...   | 47.9  | ...                           | 40.0   | ...                           |
| 1895..... | ...  | ...                    | ...                                 | ...  | 44.8                                     | ...                           | ...   | 46.9  | ...                           | 39.2   | ...                           |
| 1896..... | ...  | ...                    | ...                                 | ...  | 43.7                                     | ...                           | ...   | 45.5  | ...                           | 38.5   | ...                           |
| 1897..... | ...  | ...                    | ...                                 | ...  | 43.9                                     | ...                           | ...   | 45.6  | ...                           | 38.6   | ...                           |
| 1898..... | ...  | ...                    | ...                                 | ...  | 45.2                                     | ...                           | ...   | 46.8  | ...                           | 40.1   | ...                           |
| 1899..... | ...  | ...                    | ...                                 | ...  | 46.7                                     | ...                           | ...   | 47.3  | ...                           | 44.1   | ...                           |
| 1900..... | ...  | ...                    | ...                                 | ...  | 48.9                                     | ...                           | ...   | 49.9  | ...                           | 45.7   | ...                           |
| 1901..... | ...  | ...                    | ...                                 | ...  | 48.5                                     | ...                           | ...   | 49.6  | ...                           | 44.7   | ...                           |
| 1902..... | ...  | ...                    | ...                                 | ...  | 50.1                                     | ...                           | ...   | 51.5  | ...                           | 45.9   | ...                           |
| 1903..... | ...  | ...                    | ...                                 | ...  | 50.7                                     | ...                           | ...   | 51.8  | ...                           | 46.4   | ...                           |
| 1904..... | ...  | ...                    | ...                                 | ...  | 51.3                                     | ...                           | ...   | 52.8  | ...                           | 46.6   | ...                           |
| 1905..... | ...  | ...                    | ...                                 | ...  | 52.5                                     | ...                           | ...   | 53.7  | ...                           | 48.3   | ...                           |
| 1906..... | ...  | ...                    | ...                                 | ...  | 53.8                                     | ...                           | ...   | 54.3  | ...                           | 51.6   | ...                           |
| 1907..... | ...  | ...                    | ...                                 | ...  | 56.0                                     | ...                           | ...   | 56.8  | ...                           | 53.6   | ...                           |
| 1908..... | ...  | ...                    | ...                                 | ...  | 55.6                                     | ...                           | ...   | 57.1  | ...                           | 51.7   | ...                           |
| 1909..... | ...  | ...                    | ...                                 | ...  | 57.5                                     | ...                           | ...   | 58.7  | ...                           | 53.1   | ...                           |

|           |       |     |     |     |       |       |       |       |       |       |       |
|-----------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| 1910..... | ...   | ... | ... | ... | 59.0  | ...   | ...   | 60.6  | ...   | 54.0  | ...   |
| 1911..... | ...   | ... | ... | ... | 58.8  | ...   | ...   | 59.9  | ...   | 55.0  | ...   |
| 1912..... | ...   | ... | ... | ... | 61.1  | ...   | ...   | 62.6  | ...   | 55.8  | ...   |
| 1913..... | ...   | ... | ... | ... | 61.5  | ...   | ...   | 62.9  | ...   | 57.0  | ...   |
| 1914..... | ...   | ... | ... | ... | 62.1  | ...   | ...   | 63.8  | ...   | 56.3  | ...   |
| 1915..... | ...   | ... | ... | ... | 64.1  | ...   | ...   | 65.8  | ...   | 58.6  | ...   |
| 1916..... | ...   | ... | ... | ... | 72.3  | ...   | ...   | 73.8  | ...   | 65.5  | ...   |
| 1917..... | ...   | ... | ... | ... | 89.1  | ...   | ...   | 91.6  | ...   | 81.9  | ...   |
| 1918..... | ...   | ... | ... | ... | 103.8 | ...   | ...   | 105.4 | ...   | 103.4 | ...   |
| 1919..... | ...   | ... | ... | ... | 106.4 | ...   | ...   | 106.0 | ...   | 105.6 | ...   |
| 1920..... | ...   | ... | ... | ... | 121.2 | ...   | ...   | 118.8 | ...   | 119.8 | ...   |
| 1921..... | ...   | ... | ... | ... | 103.3 | ...   | ...   | 103.8 | ...   | 102.5 | ...   |
| 1922..... | ...   | ... | ... | ... | 97.6  | ...   | ...   | 98.6  | ...   | 92.0  | ...   |
| 1923..... | ...   | ... | ... | ... | 100.3 | ...   | ...   | 100.5 | ...   | 99.1  | ...   |
| 1924..... | ...   | ... | ... | ... | 99.1  | ...   | ...   | 99.3  | ...   | 98.7  | ...   |
| 1925..... | ...   | ... | ... | ... | 100.9 | ...   | ...   | 101.6 | ...   | 97.6  | ...   |
| 1926..... | ...   | ... | ... | ... | 101.3 | ...   | ...   | 102.0 | ...   | 97.3  | ...   |
| 1927..... | ...   | ... | ... | ... | 98.9  | ...   | ...   | 99.2  | ...   | 96.7  | ...   |
| 1928..... | ...   | ... | ... | ... | 99.7  | ...   | ...   | 100.1 | ...   | 97.0  | ...   |
| 1929..... | ...   | ... | ... | ... | 100.0 | 50.6  | 51.7  | 100.0 | 55.3  | 100.0 | 39.4  |
| 1930..... | ...   | ... | ... | ... | ...   | 49.3  | 50.5  | ...   | 53.6  | ...   | 37.9  |
| 1931..... | ...   | ... | ... | ... | ...   | 44.8  | 45.7  | ...   | 47.9  | ...   | 35.2  |
| 1932..... | ...   | ... | ... | ... | ...   | 40.2  | 41.0  | ...   | 42.3  | ...   | 31.6  |
| 1933..... | ...   | ... | ... | ... | ...   | 39.3  | 40.1  | ...   | 40.6  | ...   | 30.6  |
| 1934..... | ...   | ... | ... | ... | ...   | 42.2  | 43.1  | ...   | 43.5  | ...   | 33.7  |
| 1935..... | ...   | ... | ... | ... | ...   | 42.6  | 43.6  | ...   | 44.4  | ...   | 34.3  |
| 1936..... | ...   | ... | ... | ... | ...   | 42.7  | 43.5  | ...   | 44.7  | ...   | 34.6  |
| 1937..... | ...   | ... | ... | ... | ...   | 44.5  | 45.3  | ...   | 46.5  | ...   | 37.8  |
| 1938..... | ...   | ... | ... | ... | ...   | 43.9  | 44.7  | ...   | 45.6  | ...   | 38.2  |
| 1939..... | ...   | ... | ... | ... | ...   | 43.2  | 44.0  | ...   | 45.1  | ...   | 37.7  |
| 1940..... | ...   | ... | ... | ... | ...   | 43.9  | 44.7  | ...   | 45.5  | ...   | 39.0  |
| 1941..... | ...   | 20  | ... | ... | ...   | 47.2  | 48.7  | ...   | 48.7  | ...   | 42.0  |
| 1942..... | ...   | 20  | ... | ... | ...   | 53.0  | 55.5  | ...   | 54.8  | ...   | 46.5  |
| 1943..... | ...   | 20  | ... | ... | ...   | 56.7  | 60.9  | ...   | 59.9  | ...   | 49.3  |
| 1944..... | ...   | 20  | ... | ... | ...   | 58.2  | 62.1  | ...   | 63.2  | ...   | 51.1  |
| 1945..... | ...   | 20  | ... | ... | ...   | 59.7  | 62.6  | ...   | 65.4  | ...   | 51.5  |
| 1946..... | ...   | 30  | ... | ... | ...   | 66.7  | 68.2  | ...   | 70.5  | ...   | 58.5  |
| 1947..... | ...   | 50  | ... | ... | ...   | 74.6  | 76.3  | ...   | 77.9  | ...   | 66.7  |
| 1948..... | ...   | 70  | ... | ... | ...   | 79.6  | 81.4  | ...   | 82.3  | ...   | 73.9  |
| 1949..... | ...   | 70  | ... | ... | ...   | 79.1  | 80.6  | ...   | 81.7  | ...   | 74.7  |
| 1950..... | ...   | 80  | ... | ... | ...   | 80.2  | 81.4  | ...   | 82.9  | ...   | 77.5  |
| 1951..... | ...   | 80  | ... | ... | ...   | 85.6  | 87.3  | ...   | 88.6  | ...   | 83.1  |
| 1952..... | ...   | 80  | ... | ... | ...   | 87.5  | 88.9  | ...   | 90.5  | ...   | 85.3  |
| 1953..... | 2,240 | 80  | 120 | 40  | ...   | 88.3  | 89.6  | ...   | 91.7  | ...   | 86.6  |
| 1954..... | 2,365 | ... | 130 | 45  | ...   | 89.6  | 90.7  | ...   | 92.5  | ...   | 86.8  |
| 1955..... | 2,510 | ... | 140 | 50  | ...   | 90.9  | 91.5  | ...   | 92.8  | ...   | 89.0  |
| 1956..... | 3,330 | ... | 155 | 65  | ...   | 94.0  | 94.5  | ...   | 94.8  | ...   | 94.0  |
| 1957..... | 3,455 | ... | 180 | 70  | ...   | 97.5  | 97.9  | ...   | 97.7  | ...   | 98.5  |
| 1958..... | 3,700 | ... | 190 | 80  | ...   | 100.0 | 100.0 | ...   | 100.0 | ...   | 100.0 |
| 1959..... | 4,070 | ... | 190 | 100 | ...   | 101.6 | 101.4 | ...   | 101.3 | ...   | 102.6 |
| 1960..... | 4,540 | ... | 200 | 110 | ...   | 103.3 | 102.8 | ...   | 102.9 | ...   | 103.4 |
| 1961..... | 4,810 | ... | 210 | 140 | ...   | 104.6 | 103.7 | ...   | 103.9 | ...   | 103.9 |
| 1962..... | 5,175 | ... | 230 | 160 | ...   | 105.8 | 104.8 | ...   | 104.9 | ...   | 104.9 |
| 1963..... | 5,565 | ... | 260 | 185 | ...   | 107.2 | 105.8 | ...   | 106.1 | ...   | 106.0 |
| 1964..... | 5,840 | ... | 360 | 145 | ...   | 108.9 | 107.2 | ...   | 107.4 | ...   | 107.8 |
| 1965..... | ...   | ... | ... | ... | ...   | 110.9 | 108.9 | ...   | 108.9 | ...   | 109.6 |

<sup>1</sup>Includes funds provided by state and local governments.

<sup>2</sup>Decade average, 1869-78.

<sup>3</sup>Decade average, 1879-88.

## Series B69 to B79

| Year      | B69. Wholesale prices, all commodities: BLS<br>(Index: 1957-59=100) | B70. Cost of living: NBER Rees<br>(Index: 1914=100) | B71. Consumer prices, all items: BLS<br>(Index: 1957-59=100) | B72. Total compensation per hour at work, manufacturing production workers: NBER, Rees<br>(1957 dollars) | B73. U.S. Government bond yields: Treasury Dept.<br>(Percent) | B74. American Railroad bond yields: NBER, Macaulay<br>(Percent) | B75. Basic yield of 30-year corporate bonds: NBER(Durand)-Homer<br>(Percent) | B76. New England municipal bond yields: NBER, Macaulay<br>(Percent) | B77. Municipal bond yields: Bond Buyer <sup>1</sup><br>(Percent) | B78. Manhattan Island real estate mortgage rates: Wenzlick Research Corp.<br>(Percent) | B79. Secondary market yields on FHA mortgages: FHA<br>(Percent) |
|-----------|---|---|--|--|---|---|--|---|--|--|---|
| 1860..... | 33.7  | ...   | ...  | ...  | ...   | 6.04  | ...  | 4.79  | ...  | ...  | ...   |
| 1861..... | 34.8  | ...   | ...  | ...  | ...   | 6.33  | ...  | 5.04  | ...  | ...  | ...   |
| 1862..... | 40.4  | ...   | ...  | ...  | ...   | 5.51  | ...  | 4.92  | ...  | ...  | ...   |
| 1863..... | 51.5  | ...   | ...  | ...  | ...   | 4.76  | ...  | 4.37  | ...  | ...  | ...   |
| 1864..... | 74.7  | ...   | ...  | ...  | ...   | 4.83  | ...  | 4.83  | ...  | ...  | ...   |
| 1865..... | 71.3  | ...   | ...  | ...  | ...   | 6.02  | ...  | 5.54  | ...  | ...  | ...   |
| 1866..... | 66.7  | ...   | ...  | ...  | ...   | 6.37  | ...  | 5.52  | ...  | ...  | ...   |
| 1867..... | 61.8  | ...   | ...  | ...  | ...   | 6.33  | ...  | 5.34  | ...  | ...  | ...   |
| 1868..... | 59.9  | ...   | ...  | ...  | ...   | 6.26  | ...  | 5.29  | ...  | ...  | ...   |
| 1869..... | 56.9  | ...   | ...  | ...  | ...   | 6.52  | ...  | 5.38  | ...  | ...  | ...   |
| 1870..... | 50.4  | ...   | ...  | ...  | ...   | 6.41  | ...  | 5.44  | ...  | ...  | ...   |
| 1871..... | 48.2  | ...   | ...  | ...  | ...   | 6.34  | ...  | 5.33  | ...  | ...  | ...   |
| 1872..... | 51.3  | ...   | ...  | ...  | ...   | 6.19  | ...  | 5.37  | ...  | ...  | ...   |
| 1873..... | 49.3  | ...   | ...  | ...  | ...   | 6.21  | ...  | 5.55  | ...  | ...  | ...   |
| 1874..... | 46.7  | ...   | ...  | ...  | ...   | 5.90  | ...  | 5.49  | ...  | ...  | ...   |
| 1875..... | 44.2  | ...   | ...  | ...  | ...   | 5.46  | ...  | 5.07  | ...  | ...  | ...   |
| 1876..... | 40.7  | ...   | ...  | ...  | ...   | 5.17  | ...  | 4.59  | ...  | ...  | ...   |
| 1877..... | 39.6  | ...   | ...  | ...  | ...   | 5.18  | ...  | 4.45  | ...  | ...  | ...   |
| 1878..... | 33.8  | ...   | ...  | ...  | ...   | 5.10  | ...  | 4.34  | ...  | ...  | ...   |
| 1879..... | 33.2  | ...   | ...  | ...  | ...   | 4.76  | ...  | 4.22  | ...  | 5.92   | ...   |
| 1880..... | 37.1  | ...   | ...  | ...  | ...   | 4.47  | ...  | 4.02  | ...  | 5.78   | ...   |
| 1881..... | 37.7  | ...   | ...  | ...  | ...   | 4.14  | ...  | 3.72  | ...  | 5.80   | ...   |
| 1882..... | 39.3  | ...   | ...  | ...  | ...   | 4.20  | ...  | 3.63  | ...  | 5.65   | ...   |
| 1883..... | 36.4  | ...   | ...  | ...  | ...   | 4.22  | ...  | 3.63  | ...  | 5.43   | ...   |
| 1884..... | 33.8  | ...   | ...  | ...  | ...   | 4.17  | ...  | 3.63  | ...  | 5.35   | ...   |
| 1885..... | 31.2  | ...   | ...  | ...  | ...   | 3.97  | ...  | 3.53  | ...  | 5.20   | ...   |
| 1886..... | 30.0  | ...   | ...  | ...  | ...   | 3.70  | ...  | 3.39  | ...  | 5.10   | ...   |
| 1887..... | 31.2  | ...   | ...  | ...  | ...   | 3.76  | ...  | 3.53  | ...  | 5.14   | ...   |
| 1888..... | 31.8  | ...   | ...  | ...  | ...   | 3.69  | ...  | 3.67  | ...  | 5.20   | ...   |
| 1889..... | 30.4  | ...   | ...  | 458  | ...   | 3.54  | ...  | 3.46  | ...  | 5.13   | ...   |
| 1890..... | 30.7  | 91  | ...  | 448  | ...   | 3.67  | ...  | 3.42  | ...  | 5.45   | ...   |
| 1891..... | 30.6  | 91  | ...  | 448  | ...   | 3.63  | ...  | 3.64  | ...  | 5.38   | ...   |
| 1892..... | 28.5  | 91  | ...  | 452  | ...   | 3.72  | ...  | 3.61  | ...  | 5.20   | ...   |
| 1893..... | 29.2  | 90  | ...  | 475  | ...   | 3.82  | ...  | 3.74  | ...  | 5.20   | ...   |
| 1894..... | 26.2  | 86  | ...  | 459  | ...   | 3.60  | ...  | 3.69  | ...  | 5.16   | ...   |
| 1895..... | 26.7  | 84  | ...  | 463  | ...   | 3.47  | ...  | 3.46  | ...  | 5.04   | ...   |
| 1896..... | 25.4  | 84  | ...  | 487  | ...   | 3.52  | ...  | 3.61  | ...  | 5.12   | ...   |
| 1897..... | 25.5  | 83  | ...  | 475  | ...   | 3.32  | ...  | 3.39  | ...  | 5.04   | ...   |
| 1898..... | 26.5  | 83  | ...  | 468  | ...   | 3.26  | ...  | 3.35  | ...  | 4.96   | ...   |
| 1899..... | 28.5  | 83  | ...  | 495  | ...   | 3.13  | ...  | 3.11  | ...  | 5.05   | ...   |
| 1900..... | 30.7  | 84  | ...  | 502  | ...   | 3.18  | 3.30   | 3.15  | ...  | 5.17   | ...   |
| 1901..... | 30.2  | 85  | ...  | 518  | ...   | 3.18  | 3.25   | 3.12  | ...  | 5.11   | ...   |
| 1902..... | 32.3  | 86  | ...  | 536  | ...   | 3.26  | 3.30   | 3.22  | ...  | 5.09   | ...   |
| 1903..... | 32.6  | 88  | ...  | 541  | ...   | 3.49  | 3.45   | 3.38  | ...  | 5.18   | ...   |
| 1904..... | 32.7  | 89  | ...  | 533  | ...   | 3.51  | 3.60   | 3.45  | 3.40   | 5.35   | ...   |
| 1905..... | 32.9  | 88  | ...  | 544  | ...   | 3.46  | 3.50   | 3.44  | 3.48   | 5.50   | ...   |
| 1906..... | 33.9  | 90  | ...  | 571  | ...   | 3.55  | 3.55   | 3.62  | 3.53   | 5.68   | ...   |
| 1907..... | 35.7  | 94  | ...  | 570  | ...   | 3.78  | 3.80   | 3.90  | 3.67   | 5.45   | ...   |
| 1908..... | 34.4  | 92  | ...  | 563  | ...   | 3.75  | 3.95   | 4.03  | 3.87   | 5.60   | ...   |
| 1909..... | 37.0  | 91  | ...  | 571  | ...   | 3.66  | 3.77   | 3.86  | 3.76   | 5.35   | ...   |

|           |       |     |       |       |      |      |      |      |      |      |      |
|-----------|-------|-----|-------|-------|------|------|------|------|------|------|------|
| 1910..... | 38.6  | 95  | ...   | .586  | ...  | 3.81 | 3.80 | 4.00 | 3.91 | 5.35 | ...  |
| 1911..... | 35.5  | 95  | ...   | .594  | ...  | 3.84 | 3.90 | 4.01 | 3.98 | 5.47 | ...  |
| 1912..... | 37.8  | 97  | ...   | .597  | ...  | 3.88 | 3.90 | 4.07 | 4.01 | 5.46 | ...  |
| 1913..... | 38.2  | 99  | 34.5  | .626  | ...  | 4.06 | 4.00 | 4.40 | 4.45 | 5.50 | ...  |
| 1914..... | 37.3  | 100 | 35.0  | .616  | ...  | 4.05 | 4.10 | ...  | 4.16 | 5.58 | ...  |
| 1915..... | 38.0  | ... | 35.4  | .626  | ...  | ...  | 4.15 | ...  | 4.28 | 5.60 | ...  |
| 1916..... | 46.8  | ... | 38.0  | .675  | ...  | ...  | 4.05 | ...  | 4.05 | 5.50 | ...  |
| 1917..... | 64.3  | ... | 44.7  | .693  | ...  | ...  | 4.05 | ...  | 4.24 | 5.47 | ...  |
| 1918..... | 71.7  | ... | 52.4  | .779  | ...  | ...  | 4.75 | ...  | 4.57 | 5.55 | ...  |
| 1919..... | 75.8  | ... | 60.3  | .774  | 4.73 | ...  | 4.75 | ...  | 4.48 | 5.65 | ...  |
| 1920..... | 84.5  | ... | 69.8  | .776  | 5.32 | ...  | 5.10 | ...  | 4.98 | 5.75 | ...  |
| 1921..... | 53.4  | ... | 62.3  | .767  | 5.09 | ...  | 5.17 | ...  | 5.02 | 5.97 | ...  |
| 1922..... | 52.9  | ... | 58.4  | .757  | 4.30 | ...  | 4.71 | ...  | 4.20 | 5.95 | ...  |
| 1923..... | 55.1  | ... | 59.4  | .823  | 4.36 | ...  | 4.61 | ...  | 4.23 | 5.91 | ...  |
| 1924..... | 53.6  | ... | 59.6  | .849  | 4.06 | ...  | 4.66 | ...  | 4.19 | 5.92 | ...  |
| 1925..... | 56.6  | ... | 61.1  | .822  | 3.86 | ...  | 4.50 | ...  | 4.10 | 5.90 | ...  |
| 1926..... | 54.8  | ... | 61.6  | .822  | 3.68 | ...  | 4.40 | ...  | 4.10 | 5.89 | ...  |
| 1927..... | 52.3  | ... | 60.5  | .846  | 3.34 | ...  | 4.30 | ...  | 3.98 | 5.88 | ...  |
| 1928..... | 53.0  | ... | 59.7  | .856  | 3.33 | ...  | 4.05 | ...  | 3.98 | 5.85 | ...  |
| 1929..... | 52.1  | ... | 59.7  | .875  | 3.60 | ...  | 4.42 | ...  | 4.28 | 5.92 | ...  |
| 1930..... | 47.3  | ... | 58.2  | .892  | 3.29 | ...  | 4.40 | ...  | 4.08 | 5.95 | ...  |
| 1931..... | 39.9  | ... | 53.0  | .935  | 3.34 | ...  | 4.10 | ...  | 3.87 | 5.75 | ...  |
| 1932..... | 35.6  | ... | 47.6  | .918  | 3.68 | ...  | 4.70 | ...  | 4.33 | 5.77 | ...  |
| 1933..... | 36.1  | ... | 45.1  | .959  | 3.31 | ...  | 4.15 | ...  | 4.29 | 5.60 | ...  |
| 1934..... | 41.0  | ... | 46.6  | 1.110 | 3.12 | ...  | 3.99 | ...  | 3.73 | 5.45 | ...  |
| 1935..... | 43.8  | ... | 47.8  | 1.110 | 2.79 | ...  | 3.50 | ...  | 3.00 | 5.26 | ...  |
| 1936..... | 44.2  | ... | 48.3  | 1.120 | 2.65 | ...  | 3.20 | ...  | 2.63 | 5.09 | ...  |
| 1937..... | 47.2  | ... | 50.0  | 1.240 | 2.68 | ...  | 3.08 | ...  | 2.67 | 5.11 | ...  |
| 1938..... | 43.0  | ... | 49.1  | 1.270 | 2.56 | ...  | 3.00 | ...  | 2.58 | 5.00 | ...  |
| 1939..... | 42.2  | ... | 48.4  | 1.290 | 2.36 | ...  | 2.75 | ...  | 2.43 | 5.05 | ...  |
| 1940..... | 43.0  | ... | 48.8  | 1.350 | 2.21 | ...  | 2.70 | ...  | 2.20 | 5.03 | ...  |
| 1941..... | 47.8  | ... | 51.3  | 1.410 | 1.95 | ...  | 2.65 | ...  | 1.79 | 4.90 | ...  |
| 1942..... | 54.0  | ... | 56.8  | 1.490 | 2.46 | ...  | 2.65 | ...  | 1.89 | 4.98 | ...  |
| 1943..... | 56.5  | ... | 60.3  | 1.580 | 2.47 | ...  | 2.65 | ...  | 1.59 | 4.77 | ...  |
| 1944..... | 56.9  | ... | 61.3  | 1.680 | 2.48 | ...  | 2.60 | ...  | 1.34 | 4.71 | ...  |
| 1945..... | 57.9  | ... | 62.7  | 1.660 | 2.37 | ...  | 2.55 | ...  | 1.21 | 4.70 | ...  |
| 1946..... | 66.1  | ... | 68.0  | 1.630 | 2.19 | ...  | 2.43 | ...  | 1.23 | 4.74 | ...  |
| 1947..... | 81.2  | ... | 77.8  | 1.640 | 2.25 | ...  | 2.50 | ...  | 1.65 | 4.80 | ...  |
| 1948..... | 87.9  | ... | 83.8  | 1.650 | 2.44 | ...  | 2.80 | ...  | 2.14 | 4.91 | ...  |
| 1949..... | 83.5  | ... | 83.0  | 1.720 | 2.31 | ...  | 2.74 | ...  | 1.92 | 4.93 | 4.34 |
| 1950..... | 86.8  | ... | 83.8  | 1.810 | 2.32 | ...  | 2.58 | ...  | 1.75 | 4.95 | 4.15 |
| 1951..... | 96.7  | ... | 90.5  | 1.860 | 2.57 | ...  | 2.67 | ...  | 1.77 | 4.93 | 4.23 |
| 1952..... | 94.0  | ... | 92.5  | 1.940 | 2.68 | ...  | 3.00 | ...  | 1.99 | 5.03 | 4.30 |
| 1953..... | 92.7  | ... | 93.2  | 2.040 | 2.94 | ...  | 3.15 | ...  | 2.54 | 5.09 | 4.65 |
| 1954..... | 92.9  | ... | 93.6  | 2.060 | 2.55 | ...  | 3.00 | ...  | 2.25 | 5.15 | 4.60 |
| 1955..... | 93.2  | ... | 93.3  | 2.150 | 2.84 | ...  | 3.04 | ...  | 2.33 | 5.18 | 4.65 |
| 1956..... | 96.2  | ... | 94.7  | 2.220 | 3.08 | ...  | 3.09 | ...  | 2.62 | 5.19 | 4.80 |
| 1957..... | 99.0  | ... | 98.0  | 2.280 | 3.47 | ...  | 3.68 | ...  | 3.16 | 5.42 | 5.44 |
| 1958..... | 100.4 | ... | 100.7 | 2.320 | 3.43 | ...  | 3.61 | ...  | 3.04 | 5.58 | 5.49 |
| 1959..... | 100.6 | ... | 101.5 | 2.370 | 4.08 | ...  | 4.10 | ...  | 3.42 | 5.71 | 5.68 |
| 1960..... | 100.7 | ... | 103.1 | 2.400 | 4.02 | ...  | 4.55 | ...  | 3.40 | 5.85 | 6.16 |
| 1961..... | 100.3 | ... | 104.2 | 2.440 | 3.90 | ...  | 4.22 | ...  | 3.34 | 5.87 | 5.76 |
| 1962..... | 100.6 | ... | 105.4 | 2.510 | 3.95 | ...  | 4.42 | ...  | 3.10 | 5.91 | 5.60 |
| 1963..... | 100.3 | ... | 106.7 | 2.550 | 4.00 | ...  | 4.16 | ...  | 3.10 | 5.91 | 5.46 |
| 1964..... | 100.5 | ... | 108.1 | ...   | 4.15 | ...  | 4.33 | ...  | 3.15 | 5.90 | 5.45 |
| 1965..... | 102.5 | ... | 109.9 | ...   | 4.21 | ...  | 4.35 | ...  | 3.19 | 5.88 | 5.47 |

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## Series B80 to B90

| Year      | B80. Commercial paper rates: FR<br><br>(Percent) | B81. Stock Exchange call loan rates: NBER, (Macaulay)-FR<br><br>(Percent) | B82. Basic yields of 1-yr. corporate bonds-NBER(Durand)-Homer<br><br>(Percent) | B83. U.S. Treasury bill rates: FR<br><br>(Percent) | Index of common stock prices (1941-43=10) |                               | Corporate profits: OBE (Millions of dollars) |                  | B88. Internal sources of corporate funds: OBE<br><br>(Billions of dollars) | Corporate security issues for new capital (Millions of dollars) |          |
|-----------|--|---|--|--|---|-------------------------------|--|------------------|--|---|----------|
|           |  |   |  |  | B84. Cowles Commission                    | B85. Standard and Poors Corp. | B86. Before taxes                            | B87. After taxes |  | B89. FR   | B90. SEC |
| 1860..... | ...  | 5.99  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1861..... | ...  | 5.76  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1862..... | ...  | 5.23  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1863..... | ...  | 6.19  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1864..... | ...  | 6.59  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1865..... | ...  | 6.17  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1866..... | ...  | 5.23  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1867..... | ...  | 6.26  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1868..... | ...  | 7.54  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1869..... | ...  | 10.29   | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1870..... | ...  | 5.72  | ...  | ...  | ...                                       | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1871..... | ...  | 5.56  | ...  | ...  | 4.69                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1872..... | ...  | 8.38  | ...  | ...  | 5.03                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1873..... | ...  | 14.24   | ...  | ...  | 4.80                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1874..... | ...  | 3.43  | ...  | ...  | 4.57                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1875..... | ...  | 3.11  | ...  | ...  | 4.45                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1876..... | ...  | 3.35  | ...  | ...  | 4.06                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1877..... | ...  | 3.87  | ...  | ...  | 3.14                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1878..... | ...  | 4.22  | ...  | ...  | 3.38                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1879..... | ...  | 5.44  | ...  | ...  | 4.12                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1880..... | ...  | 4.86  | ...  | ...  | 5.21                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1881..... | ...  | 5.76  | ...  | ...  | 6.25                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1882..... | ...  | 4.78  | ...  | ...  | 5.90                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1883..... | ...  | 3.71  | ...  | ...  | 5.63                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1884..... | ...  | 3.03  | ...  | ...  | 4.74                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1885..... | ...  | 1.66  | ...  | ...  | 4.60                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1886..... | ...  | 4.03  | ...  | ...  | 5.36                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1887..... | ...  | 5.01  | ...  | ...  | 5.53                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1888..... | ...  | 2.51  | ...  | ...  | 5.20                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1889..... | ...  | 4.48  | ...  | ...  | 5.32                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1890..... | 6.91   | 5.84  | ...  | ...  | 5.27                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1891..... | 6.48   | 3.42  | ...  | ...  | 5.03                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1892..... | 5.40   | 3.08  | ...  | ...  | 5.55                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1893..... | 7.64   | 4.57  | ...  | ...  | 4.78                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1894..... | 5.22   | 1.07  | ...  | ...  | 4.39                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1895..... | 5.80   | 1.88  | ...  | ...  | 4.53                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1896..... | 7.02   | 4.28  | ...  | ...  | 4.23                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1897..... | 4.72   | 1.75  | ...  | ...  | 4.45                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1898..... | 5.34   | 2.18  | ...  | ...  | 5.05                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1899..... | 5.50   | 5.08  | ...  | ...  | 6.29                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1900..... | 5.71   | 2.94  | 3.97   | ...  | 6.15                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1901..... | 5.40   | 4.00  | 3.25   | ...  | 7.84                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1902..... | 5.81   | 5.15  | 3.30   | ...  | 8.42                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1903..... | 6.16   | 3.71  | 3.45   | ...  | 7.21                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1904..... | 5.14   | 1.78  | 3.60   | ...  | 7.05                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1905..... | 5.18   | 4.44  | 3.50   | ...  | 8.99                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1906..... | 6.25   | 6.54  | 4.75   | ...  | 9.64                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1907..... | 6.66   | 7.01  | 4.87   | ...  | 7.84                                      | ...                           | ...  | ...              | ...  | ...   | ...      |
| 1908..... | 5.00   | 1.92  | 5.10   | ...  | ...                                       | 7.78                          | ...  | ...              | ...  | ...   | ...      |
| 1909..... | 4.67   | 2.71  | 4.03   | ...  | ...                                       | 9.71                          | ...  | ...              | ...  | ...   | ...      |

BASIC DATA - CONTINUED



|           |      |      |      |      |     |       |        |        |      |       |        |
|-----------|------|------|------|------|-----|-------|--------|--------|------|-------|--------|
| 1910..... | 5.72 | 2.98 | 4.25 | ...  | ... | 9.35  | ...    | ...    | ...  | ...   | ...    |
| 1911..... | 4.75 | 2.57 | 4.09 | ...  | ... | 9.24  | ...    | ...    | ...  | ...   | ...    |
| 1912..... | 5.41 | 3.52 | 4.04 | ...  | ... | 9.53  | ...    | ...    | ...  | ...   | ...    |
| 1913..... | 6.20 | 3.22 | 4.74 | ...  | ... | 8.51  | ...    | ...    | ...  | ...   | ...    |
| 1914..... | 5.47 | 3.43 | 4.64 | ...  | ... | 8.08  | ...    | ...    | ...  | ...   | ...    |
| 1915..... | 4.01 | 1.92 | 4.47 | ...  | ... | 8.31  | ...    | ...    | ...  | ...   | ...    |
| 1916..... | 3.84 | 2.62 | 3.48 | ...  | ... | 9.47  | ...    | ...    | ...  | ...   | ...    |
| 1917..... | 5.07 | 3.43 | 4.05 | ...  | ... | 8.50  | ...    | ...    | ...  | ...   | ...    |
| 1918..... | 6.02 | 5.28 | 5.48 | ...  | ... | 7.54  | ...    | ...    | ...  | ...   | ...    |
| 1919..... | 5.37 | 6.32 | 5.58 | ...  | ... | 8.78  | ...    | ...    | ...  | 2,246 | ...    |
| 1920..... | 7.50 | 7.74 | 6.11 | 5.42 | ... | 7.98  | ...    | ...    | ...  | 2,563 | ...    |
| 1921..... | 6.62 | 5.97 | 6.94 | 4.83 | ... | 6.86  | ...    | ...    | ...  | 1,702 | ...    |
| 1922..... | 4.52 | 4.29 | 5.31 | 3.47 | ... | 8.41  | ...    | ...    | ...  | 2,215 | ...    |
| 1923..... | 5.07 | 4.86 | 5.01 | 3.93 | ... | 8.57  | ...    | ...    | ...  | 2,635 | ...    |
| 1924..... | 3.98 | 3.08 | 5.02 | 2.77 | ... | 9.05  | ...    | ...    | ...  | 3,029 | ...    |
| 1925..... | 4.02 | 4.18 | 3.85 | 3.03 | ... | 11.15 | ...    | ...    | ...  | 3,605 | ...    |
| 1926..... | 4.34 | 4.50 | 4.40 | 3.23 | ... | 12.59 | ...    | ...    | ...  | 3,754 | ...    |
| 1927..... | 4.11 | 4.06 | 4.30 | 3.10 | ... | 15.34 | ...    | ...    | ...  | 4,657 | ...    |
| 1928..... | 4.85 | 6.04 | 4.05 | 3.97 | ... | 19.95 | ...    | ...    | ...  | 5,346 | ...    |
| 1929..... | 5.85 | 7.61 | 5.27 | 4.42 | ... | 26.02 | 9,990  | 8,621  | 6.7  | 8,002 | ...    |
| 1930..... | 3.59 | 2.94 | 4.40 | 2.23 | ... | 21.03 | 3,697  | 2,855  | 4.9  | 4,483 | ...    |
| 1931..... | 2.64 | 1.74 | 3.05 | 1.40 | ... | 13.66 | - 372  | - 870  | 1.9  | 1,551 | ...    |
| 1932..... | 2.73 | 2.05 | 3.99 | .88  | ... | 6.93  | -2,309 | -2,694 | -.2  | 325   | ...    |
| 1933..... | 1.73 | 1.16 | 2.60 | .52  | ... | 8.96  | 956    | 435    | -.3  | 161   | ...    |
| 1934..... | 1.02 | 1.00 | 2.62 | .26  | ... | 9.84  | 2,346  | 1,602  | 2.0  | 178   | 152    |
| 1935..... | .76  | .56  | 1.05 | .14  | ... | 10.60 | 3,598  | 2,647  | 3.1  | 404   | 401    |
| 1936..... | .75  | .91  | .61  | .14  | ... | 15.47 | 6,340  | 4,931  | 2.8  | 1,192 | 1,062  |
| 1937..... | .94  | 1.00 | .69  | .45  | ... | 15.41 | 6,785  | 5,283  | 3.7  | 1,225 | 1,138  |
| 1938..... | .81  | 1.00 | .85  | .05  | ... | 11.49 | 3,969  | 2,940  | 3.9  | 873   | 904    |
| 1939..... | .59  | 1.00 | .57  | .02  | ... | 12.06 | 7,041  | 5,600  | 4.3  | 383   | 420    |
| 1940..... | .56  | 1.00 | .41  | .01  | ... | 11.02 | 10,013 | 7,179  | 6.1  | 736   | 761    |
| 1941..... | .54  | 1.00 | .41  | .10  | ... | 9.82  | 17,718 | 10,108 | 6.7  | 1,062 | 1,041  |
| 1942..... | .66  | 1.00 | .81  | .33  | ... | 8.67  | 21,535 | 10,120 | 8.9  | ...   | 646    |
| 1943..... | .69  | 1.00 | 1.17 | .37  | ... | 11.50 | 25,130 | 11,056 | 10.3 | ...   | 408    |
| 1944..... | .73  | 1.00 | 1.08 | .38  | ... | 12.47 | 24,107 | 11,158 | 11.2 | ...   | 753    |
| 1945..... | .75  | 1.00 | 1.02 | .38  | ... | 15.16 | 19,722 | 9,033  | 9.2  | ...   | 1,347  |
| 1946..... | .81  | 1.16 | .86  | .38  | ... | 17.08 | 24,589 | 15,485 | 7.8  | ...   | 3,889  |
| 1947..... | 1.03 | 1.38 | 1.05 | .59  | ... | 15.17 | 31,470 | 20,202 | 12.6 | ...   | 5,114  |
| 1948..... | 1.44 | 1.55 | 1.60 | 1.04 | ... | 15.53 | 35,188 | 22,670 | 18.7 | ...   | 6,652  |
| 1949..... | 1.49 | 1.63 | 1.60 | 1.10 | ... | 15.23 | 28,941 | 18,533 | 19.1 | ...   | 5,558  |
| 1950..... | 1.45 | 1.63 | 1.42 | 1.22 | ... | 18.40 | 42,634 | 24,864 | 17.9 | ...   | 4,990  |
| 1951..... | 2.16 | 2.17 | 2.05 | 1.55 | ... | 22.34 | 43,930 | 21,595 | 19.9 | ...   | 7,120  |
| 1952..... | 2.33 | 2.48 | 2.73 | 1.77 | ... | 24.50 | 38,922 | 19,556 | 21.2 | ...   | 8,716  |
| 1953..... | 2.52 | 3.06 | 2.62 | 1.93 | ... | 24.73 | 40,627 | 20,361 | 21.1 | ...   | 8,495  |
| 1954..... | 1.58 | 3.05 | 2.40 | .95  | ... | 29.69 | 38,281 | 20,553 | 23.3 | ...   | 7,490  |
| 1955..... | 2.18 | 3.20 | 2.60 | 1.75 | ... | 40.49 | 48,607 | 26,991 | 29.2 | ...   | 8,821  |
| 1956..... | 3.31 | 4.03 | 2.70 | 2.66 | ... | 46.62 | 48,825 | 27,157 | 28.9 | ...   | 10,384 |
| 1957..... | 3.81 | 4.50 | 3.50 | 3.27 | ... | 44.38 | 47,177 | 25,975 | 30.6 | ...   | 12,447 |
| 1958..... | 2.46 | 3.72 | 3.21 | 1.84 | ... | 46.24 | 41,372 | 22,327 | 29.5 | ...   | 10,823 |
| 1959..... | 3.97 | 4.22 | 3.67 | 3.40 | ... | 57.38 | 52,141 | 28,462 | 35.0 | ...   | 9,392  |
| 1960..... | 3.85 | 4.99 | 4.95 | 2.93 | ... | 55.85 | 49,712 | 26,680 | 34.4 | ...   | 9,653  |
| 1961..... | 2.97 | 4.50 | 3.10 | 2.38 | ... | 66.27 | 50,349 | 27,245 | 35.6 | ...   | 12,017 |
| 1962..... | 3.26 | 4.50 | 3.50 | 2.78 | ... | 62.38 | 55,408 | 31,229 | 41.8 | ...   | 9,747  |
| 1963..... | 3.55 | 4.50 | 3.25 | 3.16 | ... | 69.87 | 59,401 | 33,077 | 44.3 | ...   | 10,553 |
| 1964..... | 3.97 | 4.50 | 4.00 | 3.55 | ... | 81.37 | 67,026 | 38,667 | 49.9 | ...   | 13,038 |
| 1965..... | 4.38 | 4.69 | 4.15 | 3.95 | ... | 88.17 | 75,676 | 44,493 | 55.3 | ...   | 14,805 |

## Series B91 to B101

| Year      | Gross saving<br>(Millions of dollars) |          | Personal saving<br>(Millions of dollars) |          | Corporate saving<br>(Millions of dollars) |          | Government saving<br>(Millions of dollars) |          | Capital consumption allowances<br>(Millions of dollars) |           | B101. Total<br>net public<br>and private<br>debt: OBE <sup>2</sup><br><br>(Billions of<br>dollars) |
|-----------|---------------------------------------|----------|--|----------|---|----------|--|----------|---|-----------|--|
|           | B91. Goldsmith <sup>1</sup>           | B92. OBE | B93. Goldsmith <sup>1</sup>              | B94. OBE | B95. Goldsmith <sup>1</sup>               | B96. OBE | B97. Goldsmith <sup>1</sup>                | B98. OBE | B99. Goldsmith <sup>1</sup>                             | B100. OBE |  |
| 1860..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1861..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1862..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1863..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1864..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1865..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1866..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1867..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1868..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1869..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1870..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1871..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1872..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1873..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1874..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1875..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1876..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1877..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1878..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1879..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1880..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1881..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1882..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1883..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1884..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1885..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1886..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1887..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1888..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1889..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1890..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1891..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1892..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1893..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1894..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1895..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1896..... | ...                                   | ...      | ...                                      | ...      | ...                                       | ...      | ...  | ...      | ...   | ...       | ...  |
| 1897..... | 2,259                                 | ...      | 547                                      | ...      | 294                                       | ...      | 93   | ...      | 1,325   | ...       | ...  |
| 1898..... | 3,066                                 | ...      | 1,288                                    | ...      | 370                                       | ...      | -38  | ...      | 1,446   | ...       | ...  |
| 1899..... | 4,455                                 | ...      | 2,190                                    | ...      | 546                                       | ...      | 84   | ...      | 1,635   | ...       | ...  |
| 1900..... | 3,897                                 | ...      | 1,274                                    | ...      | 672                                       | ...      | 156  | ...      | 1,795   | ...       | ...  |
| 1901..... | 4,054                                 | ...      | 1,363                                    | ...      | 648                                       | ...      | 209  | ...      | 1,834   | ...       | ...  |
| 1902..... | 5,904                                 | ...      | 2,942                                    | ...      | 724                                       | ...      | 280  | ...      | 1,958   | ...       | ...  |
| 1903..... | 4,841                                 | ...      | 1,501                                    | ...      | 1,067                                     | ...      | 198  | ...      | 2,075   | ...       | ...  |
| 1904..... | 4,231                                 | ...      | 1,424                                    | ...      | 396                                       | ...      | 223  | ...      | 2,188   | ...       | ...  |
| 1905..... | 6,619                                 | ...      | 3,458                                    | ...      | 678                                       | ...      | 177  | ...      | 2,306   | ...       | ...  |
| 1906..... | 6,968                                 | ...      | 3,240                                    | ...      | 730                                       | ...      | 236  | ...      | 2,762   | ...       | ...  |
| 1907..... | 5,931                                 | ...      | 2,098                                    | ...      | 773                                       | ...      | 257  | ...      | 2,803   | ...       | ...  |
| 1908..... | 5,157                                 | ...      | 1,996                                    | ...      | 413                                       | ...      | 42   | ...      | 2,706   | ...       | ...  |
| 1909..... | 6,544                                 | ...      | 3,000                                    | ...      | 418                                       | ...      | 269  | ...      | 2,857   | ...       | ...  |

BASIC DATA - CONTINUED

|           |        |         |        |        |        |        |         |         |        |        |         |
|-----------|--------|---------|--------|--------|--------|--------|---------|---------|--------|--------|---------|
| 1910..... | 7,680  | ...     | 3,244  | ...    | 1,104  | ...    | 249     | ...     | 3,083  | ...    | ...     |
| 1911..... | 6,146  | ...     | 2,094  | ...    | 577    | ...    | 263     | ...     | 3,212  | ...    | ...     |
| 1912..... | 8,640  | ...     | 4,239  | ...    | 565    | ...    | 426     | ...     | 3,410  | ...    | ...     |
| 1913..... | 7,776  | ...     | 2,667  | ...    | 916    | ...    | 554     | ...     | 3,639  | ...    | ...     |
| 1914..... | 7,158  | ...     | 2,545  | ...    | 741    | ...    | 225     | ...     | 3,647  | ...    | ...     |
| 1915..... | 10,109 | ...     | 4,684  | ...    | 1,246  | ...    | 342     | ...     | 3,837  | ...    | ...     |
| 1916..... | 14,204 | ...     | 5,563  | ...    | 3,192  | ...    | 824     | ...     | 4,625  | ...    | 82.1    |
| 1917..... | 15,870 | ...     | 10,072 | ...    | 2,525  | ...    | -2,671  | ...     | 5,944  | ...    | 94.4    |
| 1918..... | 9,151  | ...     | 12,686 | ...    | 422    | ...    | -11,501 | ...     | 7,544  | ...    | 117.4   |
| 1919..... | 14,864 | ...     | 9,764  | ...    | 2,484  | ...    | -5,682  | ...     | 8,298  | ...    | 128.0   |
| 1920..... | 20,054 | ...     | 6,568  | ...    | 3,437  | ...    | -36     | ...     | 10,085 | ...    | 135.4   |
| 1921..... | 10,743 | ...     | 1,286  | ...    | 1,338  | ...    | -363    | ...     | 8,482  | ...    | 135.8   |
| 1922..... | 15,826 | ...     | 6,300  | ...    | 948    | ...    | 701     | ...     | 7,877  | ...    | 140.0   |
| 1923..... | 22,493 | ...     | 9,880  | ...    | 2,354  | ...    | 1,373   | ...     | 8,886  | ...    | 146.3   |
| 1924..... | 21,172 | ...     | 8,616  | ...    | 1,455  | ...    | 2,063   | ...     | 9,038  | ...    | 153.0   |
| 1925..... | 24,869 | ...     | 10,744 | ...    | 2,369  | ...    | 2,340   | ...     | 9,416  | ...    | 162.6   |
| 1926..... | 25,745 | ...     | 10,103 | ...    | 3,394  | ...    | 2,394   | ...     | 9,854  | ...    | 168.8   |
| 1927..... | 23,720 | ...     | 10,074 | ...    | 1,368  | ...    | 2,250   | ...     | 10,028 | ...    | 177.3   |
| 1928..... | 21,320 | ...     | 6,014  | ...    | 2,105  | ...    | 2,788   | ...     | 10,413 | ...    | 185.9   |
| 1929..... | 26,464 | 16,304  | 11,485 | 4,162  | 2,136  | 3,292  | 2,347   | 982     | 10,496 | 7,868  | 190.9   |
| 1930..... | 15,766 | 11,750  | 5,617  | 3,444  | -514   | 647    | 717     | -314    | 9,946  | 7,973  | 191.0   |
| 1931..... | 5,648  | 5,079   | 2,466  | 2,628  | -3,360 | -2,522 | -2,411  | -2,885  | 8,953  | 7,858  | 181.9   |
| 1932..... | -2,964 | 784     | -3,273 | -637   | -5,032 | -4,191 | -2,186  | -1,757  | 7,527  | 7,369  | 174.6   |
| 1933..... | -1,665 | 911     | -3,805 | -912   | -4,687 | -3,746 | -359    | -1,384  | 7,186  | 6,953  | 168.5   |
| 1934..... | 3,257  | 3,231   | -954   | 389    | -2,718 | -1,590 | -745    | -2,402  | 7,674  | 6,834  | 171.4   |
| 1935..... | 8,036  | 6,572   | 2,349  | 2,140  | -1,287 | -424   | -825    | -2,017  | 7,799  | 6,873  | 174.7   |
| 1936..... | 9,762  | 7,180   | 5,275  | 3,611  | -1,405 | -330   | -2,310  | -3,138  | 8,202  | 7,037  | 180.3   |
| 1937..... | 16,219 | 11,870  | 7,322  | 3,775  | -553   | 592    | 517     | 346     | 8,933  | 7,157  | 182.0   |
| 1938..... | 10,924 | 6,984   | 3,715  | 719    | -574   | 738    | -1,139  | -1,764  | 8,922  | 7,291  | 179.6   |
| 1939..... | 13,856 | 8,820   | 6,852  | 2,610  | -89    | 1,120  | -1,921  | -2,177  | 9,014  | 7,267  | 183.2   |
| 1940..... | 20,468 | 13,623  | 8,543  | 3,844  | 1,618  | 2,963  | 822     | -687    | 9,485  | 7,503  | 189.9   |
| 1941..... | 25,155 | 18,631  | 13,971 | 10,977 | 1,697  | 3,206  | -1,359  | -3,772  | 10,846 | 8,220  | 211.6   |
| 1942..... | 16,819 | 10,669  | 33,237 | 27,575 | 2,863  | 4,662  | -31,600 | -31,364 | 12,319 | 9,796  | 259.0   |
| 1943..... | 9,832  | 5,533   | 36,167 | 33,360 | 4,234  | 6,046  | -44,043 | -44,123 | 13,474 | 10,250 | 313.6   |
| 1944..... | 7,801  | 2,529   | 39,299 | 37,259 | 4,787  | 6,061  | -51,366 | -51,815 | 15,081 | 11,024 | 370.8   |
| 1945..... | 8,533  | 5,235   | 36,409 | 29,582 | 2,507  | 3,883  | -46,227 | -39,493 | 15,844 | 11,263 | 406.3   |
| 1946..... | 41,141 | 35,132  | 22,527 | 15,209 | 2,103  | 4,618  | 405     | 5,416   | 16,106 | 9,889  | 397.4   |
| 1947..... | 53,890 | 41,963  | 20,186 | 7,346  | 4,254  | 7,997  | 7,918   | 14,401  | 21,532 | 12,219 | 417.4   |
| 1948..... | 67,837 | 49,929  | 26,723 | 13,375 | 8,974  | 13,517 | 6,468   | 8,547   | 25,672 | 14,490 | 433.6   |
| 1949..... | 57,952 | 35,900  | 22,457 | 9,401  | 9,473  | 13,105 | -766    | -3,156  | 26,788 | 16,550 | 448.4   |
| 1950..... | ...    | 50,365  | ...    | 13,088 | ...    | 11,085 | ...     | 7,850   | ...    | 18,342 | 490.3   |
| 1951..... | ...    | 56,171  | ...    | 17,275 | ...    | 11,900 | ...     | 5,801   | ...    | 21,195 | 524.0   |
| 1952..... | ...    | 49,481  | ...    | 18,175 | ...    | 11,955 | ...     | -3,641  | ...    | 23,192 | 555.2   |
| 1953..... | ...    | 47,529  | ...    | 18,329 | ...    | 10,402 | ...     | -6,875  | ...    | 25,673 | 586.5   |
| 1954..... | ...    | 48,565  | ...    | 16,416 | ...    | 10,953 | ...     | -7,038  | ...    | 28,234 | 612.0   |
| 1955..... | ...    | 64,804  | ...    | 15,831 | ...    | 14,777 | ...     | 7,722   | ...    | 31,474 | 672.3   |
| 1956..... | ...    | 72,721  | ...    | 20,593 | ...    | 13,184 | ...     | 4,873   | ...    | 34,071 | 707.5   |
| 1957..... | ...    | 71,257  | ...    | 20,766 | ...    | 12,694 | ...     | 708     | ...    | 37,089 | 738.9   |
| 1958..... | ...    | 59,217  | ...    | 22,298 | ...    | 10,506 | ...     | -12,525 | ...    | 38,938 | 782.6   |
| 1959..... | ...    | 73,820  | ...    | 19,080 | ...    | 15,417 | ...     | -2,055  | ...    | 41,378 | 846.2   |
| 1960..... | ...    | 77,567  | ...    | 17,042 | ...    | 13,435 | ...     | 3,682   | ...    | 43,408 | 890.2   |
| 1961..... | ...    | 75,511  | ...    | 21,178 | ...    | 13,423 | ...     | -4,334  | ...    | 45,244 | 947.7   |
| 1962..... | ...    | 84,988  | ...    | 21,590 | ...    | 16,298 | ...     | -2,870  | ...    | 49,970 | 1,019.3 |
| 1963..... | ...    | 90,547  | ...    | 19,942 | ...    | 16,155 | ...     | 1,849   | ...    | 52,601 | 1,096.9 |
| 1964..... | ...    | 100,067 | ...    | 24,487 | ...    | 20,894 | ...     | -1,362  | ...    | 56,048 | 1,174.3 |
| 1965..... | ...    | 112,331 | ...    | 25,685 | ...    | 23,845 | ...     | 3,212   | ...    | 59,589 | 1,267.5 |

<sup>1</sup>This is a copyrighted series; it may not be reproduced without written permission from the publisher. See appendix 2.

<sup>2</sup>The state and local government component of debt is for fiscal year ending June 30.

## Series B102 to B112

| Year      | B102. Net Federal, State, and local government debt: OBE <sup>1</sup><br><br>(Billions of dollars) | B103. Net corporate debt: OBE<br><br>(Billions of dollars) | B104. Noncorporate and individual debt: OBE<br><br>(Billions of dollars) | B105. Assets of financial intermediaries: NBER, Goldsmith<br><br>(Millions of dollars) | Assets of all banks<br>(Millions of dollars) |               | B108. Assets of life insurance companies: Institute of Life Insurance<br><br>(Millions of dollars) | Money supply<br>(Millions of dollars) |          | Money supply plus time deposits<br>(Millions of dollars) |          |
|-----------|--|--|--|--|--|---------------|--|---------------------------------------|----------|--|----------|
|           |  |  |  |  | B106. Treasury                               | B107. FR-FDIC |  | B109. NBER, Friedman-Schwartz         | B110. FR | B111. NBER, Friedman-Schwartz                            | B112. FR |
| 1860..... | ...  | ...  | ...  | ...  | 1,000  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1861..... | ...  | ...  | ...  | ...  | 1,016  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1862..... | ...  | ...  | ...  | ...  | 1,012  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1863..... | ...  | ...  | ...  | ...  | 1,209  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1864..... | ...  | ...  | ...  | ...  | 973  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1865..... | ...  | ...  | ...  | ...  | 1,357  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1866..... | ...  | ...  | ...  | ...  | 1,673  | ...           | ...  | ...                                   | ...      | ...  | ...      |
| 1867..... | ...  | ...  | ...  | ...  | 1,674  | ...           | ...  | ...                                   | ...      | 1,285  | ...      |
| 1868..... | ...  | ...  | ...  | ...  | 1,736  | ...           | ...  | ...                                   | ...      | 1,252  | ...      |
| 1869..... | ...  | ...  | ...  | ...  | 1,736  | ...           | ...  | ...                                   | ...      | 1,274  | ...      |
| 1870..... | ...  | ...  | ...  | ...  | 1,781  | ...           | ...  | ...                                   | ...      | 1,331  | ...      |
| 1871..... | ...  | ...  | ...  | ...  | 2,003  | ...           | ...  | ...                                   | ...      | 1,470  | ...      |
| 1872..... | ...  | ...  | ...  | ...  | 2,145  | ...           | ...  | ...                                   | ...      | 1,598  | ...      |
| 1873..... | ...  | ...  | ...  | ...  | 2,731  | ...           | ...  | ...                                   | ...      | 1,612  | ...      |
| 1874..... | ...  | ...  | ...  | ...  | 2,891  | ...           | ...  | ...                                   | ...      | 1,626  | ...      |
| 1875..... | ...  | ...  | ...  | ...  | 3,205  | ...           | ...  | ...                                   | ...      | 1,693  | ...      |
| 1876..... | ...  | ...  | ...  | ...  | 3,183  | ...           | ...  | ...                                   | ...      | 1,666  | ...      |
| 1877..... | ...  | ...  | ...  | ...  | 3,204  | ...           | ...  | ...                                   | ...      | 1,640  | ...      |
| 1878..... | ...  | ...  | ...  | ...  | 3,081  | ...           | ...  | ...                                   | ...      | 1,564  | ...      |
| 1879..... | ...  | ...  | ...  | ...  | 3,313  | ...           | ...  | ...                                   | ...      | 1,690  | ...      |
| 1880..... | ...  | ...  | ...  | ...  | 3,399  | ...           | ...  | ...                                   | ...      | 2,009  | ...      |
| 1881..... | ...  | ...  | ...  | ...  | 3,869  | ...           | ...  | ...                                   | ...      | 2,399  | ...      |
| 1882..... | ...  | ...  | ...  | ...  | 4,031  | ...           | ...  | ...                                   | ...      | 2,591  | ...      |
| 1883..... | ...  | ...  | ...  | ...  | 4,208  | ...           | ...  | ...                                   | ...      | 2,806  | ...      |
| 1884..... | ...  | ...  | ...  | ...  | 4,221  | ...           | ...  | ...                                   | ...      | 2,766  | ...      |
| 1885..... | ...  | ...  | ...  | ...  | 4,427  | ...           | ...  | ...                                   | ...      | 2,841  | ...      |
| 1886..... | ...  | ...  | ...  | ...  | 4,542  | ...           | ...  | ...                                   | ...      | 3,082  | ...      |
| 1887..... | ...  | ...  | ...  | ...  | 5,193  | ...           | ...  | ...                                   | ...      | 3,277  | ...      |
| 1888..... | ...  | ...  | ...  | ...  | 5,471  | ...           | ...  | ...                                   | ...      | 3,364  | ...      |
| 1889..... | ...  | ...  | ...  | ...  | 5,945  | ...           | ...  | ...                                   | ...      | 3,547  | ...      |
| 1890..... | ...  | ...  | ...  | ...  | 6,358  | ...           | 771  | ...                                   | ...      | 3,903  | ...      |
| 1891..... | ...  | ...  | ...  | ...  | 6,562  | ...           | ...  | ...                                   | ...      | 4,026  | ...      |
| 1892..... | ...  | ...  | ...  | ...  | 7,245  | ...           | ...  | ...                                   | ...      | 4,455  | ...      |
| 1893..... | ...  | ...  | ...  | ...  | 7,192  | ...           | ...  | ...                                   | ...      | 4,195  | ...      |
| 1894..... | ...  | ...  | ...  | ...  | 7,291  | ...           | ...  | ...                                   | ...      | 4,228  | ...      |
| 1895..... | ...  | ...  | ...  | ...  | 7,610  | ...           | 1,160  | ...                                   | ...      | 4,467  | ...      |
| 1896..... | ...  | ...  | ...  | ...  | 7,554  | 8,048         | ...  | ...                                   | ...      | 4,275  | ...      |
| 1897..... | ...  | ...  | ...  | ...  | ...  | 8,432         | ...  | ...                                   | ...      | 4,491  | ...      |
| 1898..... | ...  | ...  | ...  | ...  | ...  | 9,218         | ...  | ...                                   | ...      | 5,142  | ...      |
| 1899..... | ...  | ...  | ...  | ...  | ...  | 10,679        | ...  | ...                                   | ...      | 6,022  | ...      |
| 1900..... | ...  | ...  | ...  | 18,969   | ...  | 11,388        | 1,742  | ...                                   | ...      | 6,391  | ...      |
| 1901..... | ...  | ...  | ...  | ...  | ...  | 13,037        | ...  | ...                                   | ...      | 7,330  | ...      |
| 1902..... | ...  | ...  | ...  | ...  | ...  | 14,026        | ...  | ...                                   | ...      | 8,006  | ...      |
| 1903..... | ...  | ...  | ...  | ...  | ...  | 14,901        | ...  | ...                                   | ...      | 8,521  | ...      |
| 1904..... | ...  | ...  | ...  | ...  | ...  | 15,848        | ...  | ...                                   | ...      | 8,997  | ...      |
| 1905..... | ...  | ...  | ...  | ...  | ...  | 17,511        | 2,706  | ...                                   | ...      | 10,066   | ...      |
| 1906..... | ...  | ...  | ...  | ...  | ...  | 18,740        | ...  | ...                                   | ...      | 10,877   | ...      |
| 1907..... | ...  | ...  | ...  | ...  | ...  | 20,114        | ...  | ...                                   | ...      | 11,517   | ...      |
| 1908..... | ...  | ...  | ...  | ...  | ...  | 19,946        | ...  | ...                                   | ...      | 11,287   | ...      |
| 1909..... | ...  | ...  | ...  | ...  | ...  | 21,489        | ...  | ...                                   | ...      | 12,525   | ...      |

BASIC DATA - CONTINUED

|           |       |       |       |         |     |         |         |         |         |         |         |
|-----------|-------|-------|-------|---------|-----|---------|---------|---------|---------|---------|---------|
| 1910..... | ...   | ...   | ...   | ...     | ... | 22,922  | 3,876   | ...     | ...     | 13,180  | ...     |
| 1911..... | ...   | ...   | ...   | ...     | ... | 24,026  | 4,164   | ...     | ...     | 13,954  | ...     |
| 1912..... | ...   | ...   | ...   | 40,801  | ... | 25,372  | 4,409   | ...     | ...     | 14,951  | ...     |
| 1913..... | ...   | ...   | ...   | ...     | ... | 26,103  | 4,659   | ...     | ...     | 15,526  | ...     |
| 1914..... | ...   | ...   | ...   | ...     | ... | 27,349  | 4,935   | ...     | ...     | 16,158  | ...     |
| 1915..... | ...   | ...   | ...   | ...     | ... | 28,363  | 5,190   | 12,274  | ...     | 17,322  | ...     |
| 1916..... | 5.6   | 40.2  | 36.3  | ...     | ... | 32,697  | 5,537   | 14,472  | ...     | 20,535  | ...     |
| 1917..... | 12.0  | 43.7  | 38.7  | ...     | ... | 37,540  | 5,941   | 16,842  | ...     | 24,007  | ...     |
| 1918..... | 25.9  | 47.0  | 44.5  | ...     | ... | 41,097  | 6,475   | 18,738  | ...     | 26,367  | ...     |
| 1919..... | 30.8  | 53.3  | 43.9  | ...     | ... | 47,603  | 6,791   | 21,565  | ...     | 30,645  | ...     |
| 1920..... | 29.6  | 57.7  | 48.1  | ...     | ... | 53,094  | 7,320   | 23,510  | ...     | 34,471  | ...     |
| 1921..... | 29.6  | 57.0  | 49.2  | ...     | ... | 49,633  | 7,936   | 21,298  | ...     | 32,585  | ...     |
| 1922..... | 30.5  | 58.6  | 50.9  | 98,409  | ... | 50,368  | 8,652   | 21,455  | ...     | 33,458  | ...     |
| 1923..... | 30.0  | 62.6  | 53.7  | ...     | ... | 54,144  | 9,455   | 22,711  | ...     | 36,314  | ...     |
| 1924..... | 30.0  | 67.2  | 55.8  | ...     | ... | 57,420  | 10,394  | 23,434  | ...     | 38,253  | ...     |
| 1925..... | 30.3  | 72.7  | 59.6  | ...     | ... | 62,232  | 11,538  | 25,427  | ...     | 41,719  | ...     |
| 1926..... | 29.9  | 76.2  | 62.7  | ...     | ... | 65,079  | 12,940  | 25,949  | ...     | 43,339  | ...     |
| 1927..... | 29.7  | 81.2  | 66.4  | ...     | ... | 67,893  | 14,392  | 25,854  | ...     | 44,369  | ...     |
| 1928..... | 29.8  | 86.1  | 70.0  | ...     | ... | 71,121  | 15,961  | 26,152  | ...     | 46,066  | ...     |
| 1929..... | 29.7  | 88.9  | 72.3  | 167,252 | ... | 72,315  | 17,482  | 26,419  | ...     | 46,246  | ...     |
| 1930..... | 30.6  | 89.3  | 71.1  | ...     | ... | 74,290  | 18,880  | 25,475  | ...     | 45,274  | ...     |
| 1931..... | 34.0  | 83.5  | 64.4  | ...     | ... | 70,070  | 20,160  | 23,761  | ...     | 41,981  | ...     |
| 1932..... | 37.9  | 80.0  | 56.7  | ...     | ... | 57,295  | 20,754  | 20,689  | ...     | 34,955  | ...     |
| 1933..... | 41.0  | 76.9  | 50.6  | 137,562 | ... | 51,359  | 20,896  | 19,473  | ...     | 30,887  | ...     |
| 1934..... | 46.3  | 75.5  | 49.5  | ...     | ... | 55,915  | 21,844  | 21,354  | ...     | 33,167  | ...     |
| 1935..... | 50.5  | 74.8  | 49.4  | ...     | ... | 59,951  | 23,216  | 25,360  | ...     | 38,144  | ...     |
| 1936..... | 53.9  | 76.1  | 50.3  | ...     | ... | 66,854  | 24,874  | 29,007  | ...     | 42,727  | ...     |
| 1937..... | 55.3  | 75.8  | 50.9  | ...     | ... | 68,402  | 26,249  | 30,381  | ...     | 45,007  | ...     |
| 1938..... | 56.5  | 73.3  | 49.9  | ...     | ... | 67,730  | 27,755  | 29,937  | ...     | 44,817  | ...     |
| 1939..... | 58.9  | 73.5  | 50.8  | 202,467 | ... | 73,193  | 29,243  | 33,435  | ...     | 48,491  | ...     |
| 1940..... | 61.3  | 75.6  | 53.0  | ...     | ... | 79,729  | 30,802  | 38,721  | ...     | 54,228  | ...     |
| 1941..... | 72.6  | 83.4  | 55.6  | ...     | ... | 87,324  | 32,731  | 45,588  | ...     | 61,546  | ...     |
| 1942..... | 117.5 | 91.6  | 49.9  | ...     | ... | 91,930  | 34,931  | 54,596  | ...     | 70,372  | ...     |
| 1943..... | 169.3 | 95.5  | 48.7  | ...     | ... | 116,729 | 37,766  | 71,548  | ...     | 89,210  | ...     |
| 1944..... | 226.0 | 94.1  | 50.6  | ...     | ... | 138,842 | 41,054  | 84,780  | ...     | 106,249 | ...     |
| 1945..... | 266.4 | 85.3  | 54.7  | 406,087 | ... | 162,169 | 44,797  | 98,649  | ...     | 126,036 | ...     |
| 1946..... | 243.3 | 93.5  | 60.6  | ...     | ... | 171,529 | 48,191  | 105,317 | ...     | 137,990 | ...     |
| 1947..... | 237.7 | 108.9 | 70.9  | ...     | ... | 166,336 | 51,743  | ...     | 111,792 | ...     | 146,000 |
| 1948..... | 232.7 | 117.8 | 83.2  | ...     | ... | 170,052 | 55,512  | ...     | 112,308 | ...     | 148,108 |
| 1949..... | 236.7 | 118.0 | 93.8  | 452,418 | ... | 170,810 | 59,630  | ...     | 111,158 | ...     | 147,458 |
| 1950..... | 239.4 | 142.1 | 108.9 | ...     | ... | 179,165 | 64,020  | ...     | 114,142 | ...     | 150,808 |
| 1951..... | 241.8 | 162.5 | 119.8 | ...     | ... | 188,338 | 68,278  | ...     | 119,233 | ...     | 156,450 |
| 1952..... | 246.7 | 171.0 | 135.6 | 556,432 | ... | 201,795 | 73,375  | ...     | 125,225 | ...     | 164,925 |
| 1953..... | 256.7 | 179.5 | 150.5 | ...     | ... | 207,760 | 78,533  | ...     | 128,342 | ...     | 171,192 |
| 1954..... | 263.6 | 182.8 | 165.5 | ...     | ... | 218,896 | 84,486  | ...     | 130,275 | ...     | 177,158 |
| 1955..... | 269.8 | 212.1 | 190.4 | ...     | ... | 229,626 | 90,432  | ...     | 134,442 | ...     | 183,692 |
| 1956..... | 268.1 | 231.7 | 207.7 | ...     | ... | 239,267 | 96,011  | ...     | 136,017 | ...     | 186,867 |
| 1957..... | 271.1 | 246.7 | 221.1 | ...     | ... | 243,856 | 101,309 | ...     | 136,750 | ...     | 191,817 |
| 1958..... | 283.6 | 259.5 | 239.5 | ...     | ... | 265,861 | 107,580 | ...     | 138,350 | ...     | 201,117 |
| 1959..... | 298.8 | 283.3 | 264.1 | ...     | ... | 273,309 | 113,650 | ...     | 142,842 | ...     | 209,667 |
| 1960..... | 301.0 | 302.8 | 286.4 | ...     | ... | 282,872 | 119,576 | ...     | 140,875 | ...     | 209,950 |
| 1961..... | 313.1 | 324.3 | 310.3 | ...     | ... | 296,445 | 126,816 | ...     | 143,158 | ...     | 221,617 |
| 1962..... | 329.5 | 348.2 | 341.6 | ...     | ... | 321,629 | 133,291 | ...     | 146,225 | ...     | 237,350 |
| 1963..... | 340.5 | 376.1 | 380.3 | ...     | ... | 349,083 | 141,121 | ...     | 150,592 | ...     | 256,100 |
| 1964..... | 352.4 | 402.6 | 419.3 | ...     | ... | 375,349 | 149,470 | ...     | 156,283 | ...     | 275,733 |
| 1965..... | 362.1 | 445.6 | 459.8 | ...     | ... | 398,181 | ...     | ...     | 160,657 | ...     | 297,720 |

<sup>1</sup>State and local government component of debt is for fiscal year ending June 30.



## Series B113 to B121, C1 and C2

| Year      | Velocity of the money supply (Ratio) |          | B115. Velocity of the money supply plus time deposits: NBER, Friedman-Schwartz (Ratio) | Monetary gold stock (Millions of dollars) |          | Balance of payments (Millions of dollars) |   | Balance on goods and services (Millions of dollars) |           | Per capita personal income: APS(Easterlin)-OBE(Dollars) |                          |
|-----------|--------------------------------------|----------|--|---|----------|---|---|---|-----------|---|--------------------------|
|           | B113. NBER, Friedman-Schwartz        | B114. FR |  | B116. NBER                                | B117. FR | B118. Liquidity balance basis: OBE        | B119. Official reserve transaction basis: OBE | B120. Simon, et al.                                 | B121. OBE | C1. United States                                       | C2. New England Division |
| 1860..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | ...   | ...       | ...   | ...                      |
| 1861..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 103   | ...       | ...   | ...                      |
| 1862..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | ...   | ...       | ...   | ...                      |
| 1863..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 15  | ...       | ...   | ...                      |
| 1864..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 114   | ...       | ...   | ...                      |
| 1865..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 64  | ...       | ...   | ...                      |
| 1866..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 91  | ...       | ...   | ...                      |
| 1867..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 149   | ...       | ...   | ...                      |
| 1868..... | ...                                  | ...      | ...  | ...                                       | ...      | ...                                       | ...   | - 77  | ...       | ...   | ...                      |
| 1869..... | ...                                  | ...      | 4.57   | 146                                       | ...      | ...                                       | ...   | - 172   | ...       | ...   | ...                      |
| 1870..... | ...                                  | ...      | 4.12   | 161                                       | ...      | ...                                       | ...   | - 101   | ...       | ...   | ...                      |
| 1871..... | ...                                  | ...      | 3.91   | 135                                       | ...      | ...                                       | ...   | - 101   | ...       | ...   | ...                      |
| 1872..... | ...                                  | ...      | 4.34   | 118                                       | ...      | ...                                       | ...   | - 246   | ...       | ...   | ...                      |
| 1873..... | ...                                  | ...      | 4.35   | 106                                       | ...      | ...                                       | ...   | - 181   | ...       | ...   | ...                      |
| 1874..... | ...                                  | ...      | 4.23   | 115                                       | ...      | ...                                       | ...   | - 61  | ...       | ...   | ...                      |
| 1875..... | ...                                  | ...      | 3.99   | 90  | ...      | ...                                       | ...   | - 99  | ...       | ...   | ...                      |
| 1876..... | ...                                  | ...      | 4.19   | 100                                       | ...      | ...                                       | ...   | 20  | ...       | ...   | ...                      |
| 1877..... | ...                                  | ...      | 4.48   | 132                                       | ...      | ...                                       | ...   | 102   | ...       | ...   | ...                      |
| 1878..... | ...                                  | ...      | 4.70   | 180                                       | ...      | ...                                       | ...   | 218   | ...       | ...   | ...                      |
| 1879..... | ...                                  | ...      | 4.67   | 227                                       | ...      | ...                                       | ...   | 202   | ...       | ...   | ...                      |
| 1880..... | ...                                  | ...      | 4.97   | 330                                       | ...      | ...                                       | ...   | 114   | ...       | 174   | 246                      |
| 1881..... | ...                                  | ...      | 4.10   | 440                                       | ...      | ...                                       | ...   | 137   | ...       | ...   | ...                      |
| 1882..... | ...                                  | ...      | 4.16   | 472                                       | ...      | ...                                       | ...   | - 55  | ...       | ...   | ...                      |
| 1883..... | ...                                  | ...      | 3.76   | 498                                       | ...      | ...                                       | ...   | - 12  | ...       | ...   | ...                      |
| 1884..... | ...                                  | ...      | 3.75   | 510                                       | ...      | ...                                       | ...   | - 59  | ...       | ...   | ...                      |
| 1885..... | ...                                  | ...      | 3.43   | 542                                       | ...      | ...                                       | ...   | 12  | ...       | ...   | ...                      |
| 1886..... | ...                                  | ...      | 3.30   | 557                                       | ...      | ...                                       | ...   | - 77  | ...       | ...   | ...                      |
| 1887..... | ...                                  | ...      | 3.22   | 611                                       | ...      | ...                                       | ...   | - 157   | ...       | ...   | ...                      |
| 1888..... | ...                                  | ...      | 3.10   | 653                                       | ...      | ...                                       | ...   | - 226   | ...       | ...   | ...                      |
| 1889..... | ...                                  | ...      | 3.06   | 637                                       | ...      | ...                                       | ...   | - 166   | ...       | ...   | ...                      |
| 1890..... | ...                                  | ...      | 2.93   | 638                                       | ...      | ...                                       | ...   | - 150   | ...       | ...   | ...                      |
| 1891..... | ...                                  | ...      | 2.94   | 615                                       | ...      | ...                                       | ...   | - 90  | ...       | ...   | ...                      |
| 1892..... | ...                                  | ...      | 2.81   | 604                                       | ...      | ...                                       | ...   | - 20  | ...       | ...   | ...                      |
| 1893..... | ...                                  | ...      | 2.87   | 560                                       | ...      | ...                                       | ...   | - 119   | ...       | ...   | ...                      |
| 1894..... | ...                                  | ...      | 2.55   | 562                                       | ...      | ...                                       | ...   | 98  | ...       | ...   | ...                      |
| 1895..... | ...                                  | ...      | 2.71   | 531                                       | ...      | ...                                       | ...   | - 127   | ...       | ...   | ...                      |
| 1896..... | ...                                  | ...      | 2.67   | 527                                       | ...      | ...                                       | ...   | 34  | ...       | ...   | ...                      |
| 1897..... | ...                                  | ...      | 2.81   | 604                                       | ...      | ...                                       | ...   | 132   | ...       | ...   | ...                      |
| 1898..... | ...                                  | ...      | 2.55   | 741                                       | ...      | ...                                       | ...   | 444   | ...       | ...   | ...                      |
| 1899..... | ...                                  | ...      | 2.48   | 869                                       | ...      | ...                                       | ...   | 427   | ...       | ...   | ...                      |
| 1900..... | ...                                  | ...      | 2.53   | 930                                       | ...      | ...                                       | ...   | 507   | ...       | 202   | 272                      |
| 1901..... | ...                                  | ...      | 2.47   | 1,015                                     | ...      | ...                                       | ...   | 438   | ...       | ...   | ...                      |
| 1902..... | ...                                  | ...      | 2.35   | 1,074                                     | ...      | ...                                       | ...   | 258   | ...       | ...   | ...                      |
| 1903..... | ...                                  | ...      | 2.34   | 1,140                                     | ...      | ...                                       | ...   | 340   | ...       | ...   | ...                      |
| 1904..... | ...                                  | ...      | 2.21   | 1,212                                     | ...      | ...                                       | ...   | 279   | ...       | ...   | ...                      |
| 1905..... | ...                                  | ...      | 2.18   | 1,235                                     | ...      | ...                                       | ...   | 298   | ...       | ...   | ...                      |
| 1906..... | ...                                  | ...      | 2.32   | 1,351                                     | ...      | ...                                       | ...   | 296   | ...       | ...   | ...                      |
| 1907..... | ...                                  | ...      | 2.30   | 1,488                                     | ...      | ...                                       | ...   | 296   | ...       | ...   | ...                      |
| 1908..... | ...                                  | ...      | 2.08   | 1,636                                     | ...      | ...                                       | ...   | 427   | ...       | ...   | ...                      |
| 1909..... | ...                                  | ...      | 2.23   | 1,646                                     | ...      | ...                                       | ...   | 26  | ...       | ...   | ...                      |

|           |      |      |      |       |        |        |        |       |        |       |       |
|-----------|------|------|------|-------|--------|--------|--------|-------|--------|-------|-------|
| 1910..... | ...  | ...  | 2.20 | 1,658 | ...    | ...    | ...    | 46    | ...    | ...   | ...   |
| 1911..... | ...  | ...  | 2.09 | 1,759 | ...    | ...    | ...    | 274   | ...    | ...   | ...   |
| 1912..... | ...  | ...  | 2.15 | 1,825 | ...    | ...    | ...    | 257   | ...    | ...   | ...   |
| 1913..... | ...  | ...  | 2.17 | 1,881 | ...    | ...    | ...    | 374   | ...    | ...   | ...   |
| 1914..... | ...  | ...  | 1.91 | ...   | 1,881  | ...    | ...    | 56    | ...    | ...   | ...   |
| 1915..... | 3.26 | ...  | 1.90 | ...   | 2,005  | ...    | ...    | 1,748 | ...    | ...   | ...   |
| 1916..... | 3.34 | ...  | 2.12 | ...   | 2,482  | ...    | ...    | 3,102 | ...    | ...   | ...   |
| 1917..... | 3.59 | ...  | 2.18 | ...   | 3,110  | ...    | ...    | 3,475 | ...    | ...   | ...   |
| 1918..... | 4.08 | ...  | 2.51 | ...   | 3,161  | ...    | ...    | 2,458 | ...    | ...   | ...   |
| 1919..... | 3.90 | ...  | 2.28 | ...   | 3,127  | - 166  | ...    | ...   | 4,868  | ...   | ...   |
| 1920..... | 3.89 | ...  | 2.20 | ...   | 2,878  | -68    | ...    | ...   | 3,523  | 1650  | 1814  |
| 1921..... | 3.27 | ...  | 1.90 | ...   | 3,293  | 735    | ...    | ...   | 2,122  | ...   | ...   |
| 1922..... | 3.45 | ...  | 1.88 | ...   | 3,802  | 269    | ...    | ...   | 997    | ...   | ...   |
| 1923..... | 3.75 | ...  | 2.04 | ...   | 4,061  | 266    | ...    | ...   | 842    | ...   | ...   |
| 1924..... | 3.61 | ...  | 1.97 | ...   | 4,440  | 28     | ...    | ...   | 1,351  | ...   | ...   |
| 1925..... | 3.66 | ...  | 1.88 | ...   | 4,381  | -40    | ...    | ...   | 1,087  | ...   | ...   |
| 1926..... | 3.74 | ...  | 1.95 | ...   | 4,450  | - 362  | ...    | ...   | 826    | ...   | ...   |
| 1927..... | 3.67 | ...  | 1.87 | ...   | 4,560  | -1,047 | ...    | ...   | 1,073  | ...   | ...   |
| 1928..... | 3.71 | ...  | 1.84 | ...   | 4,205  | - 121  | ...    | ...   | 1,377  | ...   | ...   |
| 1929..... | 3.90 | ...  | 1.95 | ...   | 4,283  | -53    | ...    | ...   | 1,148  | 703   | 876   |
| 1930..... | 3.55 | ...  | 1.70 | ...   | 4,474  | 598    | ...    | ...   | 1,032  | 624   | 806   |
| 1931..... | 3.19 | ...  | 1.47 | ...   | 4,700  | 1,132  | ...    | ...   | 516    | 529   | 718   |
| 1932..... | 2.81 | ...  | 1.28 | ...   | 4,245  | 726    | ...    | ...   | 407    | 401   | 572   |
| 1933..... | 2.86 | ...  | 1.38 | ...   | 24,350 | 323    | ...    | ...   | 358    | 375   | 535   |
| 1933..... | ...  | ...  | ...  | ...   | 27,156 | ...    | ...    | ...   | ...    | ...   | ...   |
| 1934..... | 3.05 | ...  | 1.52 | ...   | 7,744  | 1,140  | ...    | ...   | 601    | 423   | 583   |
| 1935..... | 2.85 | ...  | 1.52 | ...   | 9,057  | 1,174  | ...    | ...   | 128    | 472   | 616   |
| 1936..... | 2.84 | ...  | 1.60 | ...   | 10,575 | 896    | ...    | ...   | 115    | 534   | 691   |
| 1937..... | 2.98 | ...  | 1.67 | ...   | 12,151 | 1,053  | ...    | ...   | 297    | 573   | 715   |
| 1938..... | 2.83 | ...  | 1.53 | ...   | 13,250 | 1,482  | ...    | ...   | 1,291  | 527   | 656   |
| 1939..... | 2.71 | ...  | 1.52 | ...   | 16,085 | 1,915  | ...    | ...   | 1,066  | 556   | 704   |
| 1940..... | 2.57 | ...  | 1.51 | ...   | 19,852 | 2,890  | ...    | ...   | 1,719  | 595   | 757   |
| 1941..... | 2.73 | ...  | 1.61 | ...   | 22,544 | 1,119  | ...    | ...   | 1,289  | 719   | 903   |
| 1942..... | 2.89 | ...  | 1.84 | ...   | 22,729 | - 205  | ...    | ...   | 6      | 909   | 1,104 |
| 1943..... | 2.68 | ...  | 1.77 | ...   | 22,371 | -1,979 | ...    | ...   | -2,049 | 1,102 | 1,276 |
| 1944..... | 2.48 | ...  | 1.61 | ...   | 21,211 | -1,859 | ...    | ...   | -1,830 | 1,194 | 1,313 |
| 1945..... | 2.15 | ...  | 1.37 | ...   | 20,254 | -2,737 | ...    | ...   | - 613  | 1,234 | 1,336 |
| 1946..... | 1.98 | ...  | 1.16 | ...   | 20,286 | 993    | ...    | ...   | 7,494  | 1,249 | 1,379 |
| 1947..... | ...  | 2.07 | 1.23 | ...   | 21,379 | 4,210  | ...    | ...   | 11,529 | 1,316 | 1,438 |
| 1948..... | ...  | 2.29 | 1.30 | ...   | 23,514 | 817    | ...    | ...   | 6,440  | 1,430 | 1,498 |
| 1949..... | ...  | 2.31 | 1.26 | ...   | 24,432 | 136    | ...    | ...   | 6,149  | 1,384 | 1,456 |
| 1950..... | ...  | 2.49 | 1.41 | ...   | 23,906 | -3,489 | ...    | ...   | 1,779  | 1,496 | 1,605 |
| 1951..... | ...  | 2.75 | 1.51 | ...   | 22,028 | -8     | ...    | ...   | 3,671  | 1,652 | 1,783 |
| 1952..... | ...  | 2.76 | 1.49 | ...   | 23,252 | -1,206 | ...    | ...   | 2,226  | 1,733 | 1,869 |
| 1953..... | ...  | 2.84 | 1.50 | ...   | 22,424 | -2,184 | ...    | ...   | 386    | 1,804 | 1,924 |
| 1954..... | ...  | 2.80 | 1.47 | ...   | 21,886 | -1,541 | ...    | ...   | 1,828  | 1,785 | 1,907 |
| 1955..... | ...  | 2.96 | 1.56 | ...   | 21,690 | -1,242 | ...    | ...   | 2,009  | 1,876 | 2,032 |
| 1956..... | ...  | 3.08 | 1.62 | ...   | 21,810 | - 973  | ...    | ...   | 3,967  | 1,975 | 2,154 |
| 1957..... | ...  | 3.23 | 1.66 | ...   | 22,493 | 578    | ...    | ...   | 5,729  | 2,045 | 2,242 |
| 1958..... | ...  | 3.23 | 1.61 | ...   | 21,570 | -3,365 | ...    | ...   | 2,206  | 2,068 | 2,257 |
| 1959..... | ...  | 3.39 | 1.67 | ...   | 19,953 | -3,870 | ...    | ...   | 147    | 2,161 | 2,338 |
| 1960..... | ...  | 3.58 | 1.74 | ...   | 19,011 | -3,881 | -3,402 | ...   | 4,046  | 2,215 | 2,424 |
| 1961..... | ...  | 3.63 | 1.69 | ...   | 17,384 | -2,370 | -1,347 | ...   | 5,621  | 2,264 | 2,495 |
| 1962..... | ...  | 3.83 | 1.68 | ...   | 16,361 | -2,203 | -2,706 | ...   | 5,130  | 2,368 | 2,610 |
| 1963..... | ...  | 3.91 | 1.65 | ...   | 15,735 | -2,670 | -2,044 | ...   | 5,897  | 2,451 | 2,688 |
| 1964..... | ...  | 4.02 | ...  | ...   | 15,460 | -2,798 | -1,546 | ...   | 8,490  | 2,574 | 2,824 |
| 1965..... | ...  | 4.21 | ...  | ...   | 14,265 | -1,355 | -1,302 | ...   | 6,957  | 2,724 | 2,979 |

<sup>1</sup>Average of 1919-21.<sup>2</sup>In January 1934 the price of gold increased from \$20.67 to \$35.00 per ounce; figures for 1933 show gold with and without devaluation profit of \$2.806 billion.

## Series C3 to C13

| Year                   | Per capita personal income: APS(Easterlin)-OBE (Dollars) |                                 |                                 |                             |                                 |                                 |                       |                       |                      |                    |              |
|------------------------|--|---------------------------------|---------------------------------|-----------------------------|---------------------------------|---------------------------------|-----------------------|-----------------------|----------------------|--------------------|--------------|
|                        | C3. Middle Atlantic Division                             | C4. East North Central Division | C5. West North Central Division | C6. South Atlantic Division | C7. East South Central Division | C8. West South Central Division | C9. Mountain Division | C10. Pacific Division | New England Division |                    |              |
|                        |  |                                 |                                 |                             |                                 |                                 |                       |                       | C11. Maine           | C12. New Hampshire | C13. Vermont |
| 1880.....              | 254  | 178                             | 157                             | 91                          | 90                              | 105                             | 292                   | 357                   | 149                  | 198                | 168          |
| 1900.....              | 288  | 216                             | 197                             | 104                         | 100                             | 123                             | 282                   | 329                   | 187                  | 214                | 190          |
| 1920 <sup>1</sup> .... | 884  | 707                             | 567                             | 413                         | 342                             | 471                             | 654                   | 883                   | 611                  | 657                | 580          |
| 1921.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1922.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1923.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1924.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1925.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1926.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1927.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1928.....              | ...  | ...                             | ...                             | ...                         | ...                             | ...                             | ...                   | ...                   | ...                  | ...                | ...          |
| 1929.....              | 979  | 803                             | 572                             | 462                         | 348                             | 436                             | 580                   | 911                   | 601                  | 690                | 627          |
| 1930.....              | 895  | 684                             | 510                             | 415                         | 284                             | 365                             | 519                   | 815                   | 575                  | 648                | 569          |
| 1931.....              | 761  | 568                             | 419                             | 367                         | 244                             | 311                             | 412                   | 680                   | 491                  | 560                | 468          |
| 1932.....              | 584  | 411                             | 315                             | 288                         | 177                             | 233                             | 321                   | 520                   | 379                  | 430                | 360          |
| 1933.....              | 541  | 380                             | 279                             | 283                         | 180                             | 228                             | 305                   | 490                   | 374                  | 419                | 339          |
| 1934.....              | 595  | 449                             | 306                             | 324                         | 213                             | 257                             | 351                   | 546                   | 413                  | 477                | 370          |
| 1935.....              | 635  | 518                             | 401                             | 354                         | 232                             | 290                             | 419                   | 600                   | 428                  | 495                | 409          |
| 1936.....              | 720  | 593                             | 411                             | 402                         | 268                             | 329                             | 482                   | 701                   | 500                  | 536                | 462          |
| 1937.....              | 753  | 656                             | 474                             | 429                         | 291                             | 366                             | 486                   | 727                   | 505                  | 565                | 478          |
| 1938.....              | 695  | 574                             | 439                             | 399                         | 262                             | 352                             | 473                   | 707                   | 470                  | 534                | 452          |
| 1939.....              | 733  | 621                             | 456                             | 426                         | 270                             | 363                             | 487                   | 725                   | 493                  | 559                | 480          |
| 1940.....              | 783  | 667                             | 483                             | 459                         | 294                             | 383                             | 516                   | 784                   | 523                  | 579                | 507          |
| 1941.....              | 909  | 817                             | 597                             | 561                         | 383                             | 467                             | 638                   | 966                   | 626                  | 707                | 629          |
| 1942.....              | 1,088  | 1,003                           | 805                             | 733                         | 516                             | 640                             | 887                   | 1,253                 | 850                  | 849                | 757          |
| 1943.....              | 1,300  | 1,237                           | 967                             | 869                         | 653                             | 825                             | 1,035                 | 1,514                 | 1,087                | 967                | 902          |
| 1944.....              | 1,436  | 1,316                           | 1,046                           | 948                         | 753                             | 944                             | 1,072                 | 1,558                 | 1,091                | 1,048              | 930          |
| 1945.....              | 1,502  | 1,346                           | 1,112                           | 994                         | 787                             | 964                             | 1,143                 | 1,534                 | 1,067                | 1,106              | 1,013        |
| 1946.....              | 1,516  | 1,349                           | 1,164                           | 1,007                       | 766                             | 938                             | 1,160                 | 1,583                 | 1,117                | 1,145              | 1,058        |
| 1947.....              | 1,562  | 1,457                           | 1,244                           | 1,042                       | 807                             | 1,011                           | 1,269                 | 1,632                 | 1,150                | 1,208              | 1,099        |
| 1948.....              | 1,651  | 1,603                           | 1,446                           | 1,134                       | 911                             | 1,120                           | 1,367                 | 1,709                 | 1,233                | 1,283              | 1,158        |
| 1949.....              | 1,614  | 1,518                           | 1,300                           | 1,116                       | 860                             | 1,172                           | 1,328                 | 1,683                 | 1,172                | 1,257              | 1,097        |
| 1950.....              | 1,750  | 1,666                           | 1,430                           | 1,208                       | 920                             | 1,209                           | 1,417                 | 1,794                 | 1,184                | 1,322              | 1,145        |
| 1951.....              | 1,907  | 1,864                           | 1,549                           | 1,340                       | 1,036                           | 1,327                           | 1,614                 | 1,977                 | 1,295                | 1,496              | 1,301        |
| 1952.....              | 1,976  | 1,938                           | 1,626                           | 1,419                       | 1,103                           | 1,408                           | 1,690                 | 2,094                 | 1,409                | 1,556              | 1,350        |
| 1953.....              | 2,064  | 2,062                           | 1,644                           | 1,464                       | 1,167                           | 1,460                           | 1,675                 | 2,136                 | 1,418                | 1,614              | 1,397        |
| 1954.....              | 2,054  | 1,983                           | 1,678                           | 1,448                       | 1,151                           | 1,474                           | 1,649                 | 2,108                 | 1,414                | 1,651              | 1,415        |
| 1955.....              | 2,153  | 2,096                           | 1,683                           | 1,539                       | 1,239                           | 1,540                           | 1,730                 | 2,231                 | 1,549                | 1,765              | 1,481        |
| 1956.....              | 2,281  | 2,199                           | 1,751                           | 1,630                       | 1,306                           | 1,622                           | 1,808                 | 2,330                 | 1,631                | 1,829              | 1,601        |
| 1957.....              | 2,382  | 2,249                           | 1,861                           | 1,664                       | 1,354                           | 1,694                           | 1,895                 | 2,394                 | 1,674                | 1,928              | 1,659        |
| 1958.....              | 2,390  | 2,204                           | 1,971                           | 1,704                       | 1,395                           | 1,735                           | 1,975                 | 2,428                 | 1,736                | 1,958              | 1,659        |
| 1959.....              | 2,499  | 2,323                           | 1,991                           | 1,789                       | 1,463                           | 1,797                           | 2,053                 | 2,560                 | 1,777                | 2,091              | 1,747        |
| 1960.....              | 2,570  | 2,385                           | 2,068                           | 1,833                       | 1,478                           | 1,809                           | 2,095                 | 2,607                 | 1,842                | 2,151              | 1,848        |
| 1961.....              | 2,611  | 2,407                           | 2,120                           | 1,887                       | 1,540                           | 1,868                           | 2,142                 | 2,678                 | 1,827                | 2,213              | 1,880        |
| 1962.....              | 2,726  | 2,524                           | 2,242                           | 1,989                       | 1,609                           | 1,912                           | 2,268                 | 2,788                 | 1,901                | 2,309              | 1,980        |
| 1963.....              | 2,793  | 2,620                           | 2,316                           | 2,075                       | 1,702                           | 1,994                           | 2,307                 | 2,885                 | 1,952                | 2,351              | 2,012        |
| 1964.....              | 2,932  | 2,758                           | 2,390                           | 2,215                       | 1,785                           | 2,100                           | 2,384                 | 3,011                 | 2,093                | 2,447              | 2,135        |
| 1965.....              | 3,079  | 2,964                           | 2,587                           | 2,355                       | 1,905                           | 2,217                           | 2,477                 | 3,116                 | 2,245                | 2,570              | 2,340        |

BASIC DATA - CONTINUED

## Series C14 to C24

| Year                    | Per capita personal income: APS(Easterlin)-OBE (Dollars) |                   |                  |                          |                 |                   |                             |              |               |               |                |
|-------------------------|--|-------------------|------------------|--------------------------|-----------------|-------------------|-----------------------------|--------------|---------------|---------------|----------------|
|                         | New England Division                                     |                   |                  | Middle Atlantic Division |                 |                   | East North Central Division |              |               |               |                |
|                         | C14. Massachusetts                                       | C15. Rhode Island | C16. Connecticut | C17. New York            | C18. New Jersey | C19. Pennsylvania | C20. Ohio                   | C21. Indiana | C22. Illinois | C23. Michigan | C24. Wisconsin |
| 1880.....               | 292  | 279               | 268              | 280                      | 253             | 222               | 177                         | 150          | 208           | 175           | 156            |
| 1900.....               | 304  | 293               | 278              | 323                      | 277             | 250               | 222                         | 182          | 260           | 185           | 179            |
| 1920 <sup>1</sup> ..... | 907  | 849               | 789              | 1,026                    | 812             | 744               | 707                         | 582          | 829           | 719           | 608            |
| 1921.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1922.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1923.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1924.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1925.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1926.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1927.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1928.....               | ...  | ...               | ...              | ...                      | ...             | ...               | ...                         | ...          | ...           | ...           | ...            |
| 1929.....               | 913  | 871               | 1,029            | 1,159                    | 931             | 775               | 781                         | 612          | 957           | 793           | 682            |
| 1930.....               | 844  | 787               | 926              | 1,043                    | 859             | 716               | 671                         | 519          | 816           | 659           | 595            |
| 1931.....               | 767  | 712               | 805              | 886                      | 745             | 602               | 568                         | 439          | 675           | 540           | 474            |
| 1932.....               | 622  | 576               | 621              | 681                      | 592             | 451               | 404                         | 311          | 489           | 394           | 364            |
| 1933.....               | 570  | 561               | 587              | 634                      | 529             | 421               | 390                         | 297          | 442           | 349           | 336            |
| 1934.....               | 616  | 596               | 654              | 684                      | 578             | 482               | 457                         | 357          | 508           | 452           | 380            |
| 1935.....               | 646  | 639               | 704              | 723                      | 628             | 517               | 519                         | 419          | 575           | 528           | 463            |
| 1936.....               | 718  | 706               | 804              | 810                      | 713             | 599               | 597                         | 480          | 652           | 616           | 519            |
| 1937.....               | 735  | 723               | 859              | 839                      | 750             | 634               | 651                         | 545          | 731           | 682           | 553            |
| 1938.....               | 677  | 670               | 769              | 792                      | 700             | 562               | 565                         | 474          | 650           | 572           | 512            |
| 1939.....               | 727  | 713               | 834              | 825                      | 751             | 599               | 619                         | 519          | 705           | 624           | 517            |
| 1940.....               | 784  | 743               | 917              | 870                      | 822             | 648               | 665                         | 553          | 754           | 679           | 554            |
| 1941.....               | 902  | 921               | 1,142            | 995                      | 960             | 771               | 829                         | 726          | 895           | 827           | 675            |
| 1942.....               | 1,074  | 1,134             | 1,417            | 1,169                    | 1,170           | 942               | 1,028                       | 913          | 1,039         | 1,047         | 872            |
| 1943.....               | 1,261  | 1,184             | 1,590            | 1,379                    | 1,432           | 1,133             | 1,259                       | 1,132        | 1,258         | 1,347         | 1,053          |
| 1944.....               | 1,300  | 1,261             | 1,601            | 1,536                    | 1,563           | 1,240             | 1,322                       | 1,198        | 1,392         | 1,387         | 1,115          |
| 1945.....               | 1,351  | 1,267             | 1,568            | 1,644                    | 1,591           | 1,268             | 1,349                       | 1,248        | 1,470         | 1,319         | 1,186          |
| 1946.....               | 1,398  | 1,349             | 1,578            | 1,691                    | 1,529           | 1,273             | 1,311                       | 1,193        | 1,530         | 1,318         | 1,209          |
| 1947.....               | 1,434  | 1,436             | 1,693            | 1,715                    | 1,570           | 1,348             | 1,412                       | 1,303        | 1,636         | 1,454         | 1,294          |
| 1948.....               | 1,505  | 1,509             | 1,711            | 1,795                    | 1,689           | 1,430             | 1,559                       | 1,451        | 1,815         | 1,559         | 1,417          |
| 1949.....               | 1,475  | 1,453             | 1,658            | 1,748                    | 1,663           | 1,400             | 1,476                       | 1,363        | 1,685         | 1,519         | 1,365          |
| 1950.....               | 1,638  | 1,623             | 1,873            | 1,871                    | 1,834           | 1,540             | 1,622                       | 1,513        | 1,825         | 1,699         | 1,475          |
| 1951.....               | 1,798  | 1,783             | 2,136            | 2,013                    | 2,028           | 1,696             | 1,850                       | 1,695        | 2,015         | 1,873         | 1,695          |
| 1952.....               | 1,870  | 1,821             | 2,261            | 2,064                    | 2,134           | 1,772             | 1,929                       | 1,768        | 2,078         | 1,961         | 1,754          |
| 1953.....               | 1,914  | 1,893             | 2,344            | 2,137                    | 2,247           | 1,870             | 2,030                       | 1,932        | 2,186         | 2,159         | 1,784          |
| 1954.....               | 1,895  | 1,878             | 2,292            | 2,165                    | 2,232           | 1,804             | 1,963                       | 1,797        | 2,155         | 2,030         | 1,718          |
| 1955.....               | 2,028  | 1,972             | 2,412            | 2,281                    | 2,309           | 1,889             | 2,084                       | 1,896        | 2,244         | 2,181         | 1,812          |
| 1956.....               | 2,148  | 2,001             | 2,604            | 2,393                    | 2,447           | 2,032             | 2,175                       | 1,993        | 2,417         | 2,212         | 1,922          |
| 1957.....               | 2,247  | 2,003             | 2,714            | 2,488                    | 2,543           | 2,138             | 2,231                       | 2,031        | 2,490         | 2,227         | 1,985          |
| 1958.....               | 2,287  | 2,044             | 2,637            | 2,517                    | 2,517           | 2,131             | 2,152                       | 2,000        | 2,468         | 2,147         | 2,011          |
| 1959.....               | 2,372  | 2,158             | 2,693            | 2,655                    | 2,637           | 2,195             | 2,282                       | 2,124        | 2,581         | 2,248         | 2,148          |
| 1960.....               | 2,457  | 2,213             | 2,804            | 2,740                    | 2,711           | 2,241             | 2,341                       | 2,194        | 2,651         | 2,321         | 2,170          |
| 1961.....               | 2,542  | 2,280             | 2,889            | 2,789                    | 2,769           | 2,256             | 2,335                       | 2,227        | 2,722         | 2,296         | 2,216          |
| 1962.....               | 2,656  | 2,422             | 3,036            | 2,895                    | 2,893           | 2,370             | 2,436                       | 2,365        | 2,828         | 2,435         | 2,324          |
| 1963.....               | 2,735  | 2,496             | 3,104            | 2,961                    | 2,962           | 2,435             | 2,516                       | 2,478        | 2,915         | 2,581         | 2,364          |
| 1964.....               | 2,674  | 2,641             | 3,232            | 3,108                    | 3,084           | 2,571             | 2,641                       | 2,588        | 3,042         | 2,764         | 2,507          |
| 1965.....               | 3,023  | 2,817             | 3,390            | 3,242                    | 3,242           | 2,728             | 2,816                       | 2,827        | 3,245         | 3,009         | 2,682          |

## Series C25 to C35

| Year                   | Per capita personal income: APS(Easterlin)-OBE (Dollars) |           |               |                   |                   |               |                         |               |               |               |                    |
|------------------------|--|-----------|---------------|-------------------|-------------------|---------------|-------------------------|---------------|---------------|---------------|--------------------|
|                        | West North Central Division                              |           |               |                   |                   |               | South Atlantic Division |               |               |               |                    |
|                        | C25. Minnesota   | C26. Iowa | C27. Missouri | C28. North Dakota | C29. South Dakota | C30. Nebraska | C31. Kansas             | C32. Delaware | C33. Maryland | C34. Virginia | C35. West Virginia |
| 1880.....              | 175  | 168       | 157           | ...               | ...               | 156           | 120                     | 199           | 171           | 85            | 89                 |
| 1900.....              | 207  | 202       | 188           | 209               | 183               | 212           | 187                     | 220           | 204           | 110           | 117                |
| 1920 <sup>1</sup> .... | 574  | 564       | 584           | 458               | 539               | 557           | 588                     | 708           | 726           | 420           | 513                |
| 1921.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1922.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1923.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1924.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1925.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1926.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1927.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1928.....              | ...  | ...       | ...           | ...               | ...               | ...           | ...                     | ...           | ...           | ...           | ...                |
| 1929.....              | 598  | 577       | 628           | 375               | 417               | 590           | 535                     | 1,017         | 777           | 435           | 462                |
| 1930.....              | 552  | 507       | 569           | 305               | 358               | 517           | 468                     | 849           | 719           | 384           | 411                |
| 1931.....              | 458  | 398       | 495           | 182               | 239               | 410           | 399                     | 769           | 640           | 368           | 358                |
| 1932.....              | 363  | 295       | 368           | 176               | 188               | 306           | 268                     | 588           | 511           | 282           | 258                |
| 1933.....              | 311  | 254       | 338           | 145               | 129               | 276           | 251                     | 565           | 465           | 283           | 260                |
| 1934.....              | 358  | 268       | 368           | 177               | 179               | 255           | 285                     | 628           | 521           | 314           | 311                |
| 1935.....              | 447  | 417       | 422           | 266               | 300               | 401           | 357                     | 690           | 545           | 345           | 337                |
| 1936.....              | 470  | 387       | 468           | 229               | 240               | 390           | 381                     | 850           | 617           | 386           | 389                |
| 1937.....              | 535  | 508       | 508           | 319               | 319               | 409           | 421                     | 929           | 664           | 417           | 416                |
| 1938.....              | 494  | 455       | 478           | 278               | 316               | 402           | 382                     | 782           | 633           | 387           | 371                |
| 1939.....              | 517  | 469       | 506           | 314               | 340               | 395           | 380                     | 916           | 661           | 422           | 387                |
| 1940.....              | 526  | 501       | 524           | 350               | 359               | 439           | 426                     | 1,004         | 712           | 466           | 407                |
| 1941.....              | 617  | 607       | 646           | 522               | 470               | 548           | 552                     | 1,141         | 873           | 581           | 495                |
| 1942.....              | 796  | 825       | 809           | 654               | 742               | 811           | 849                     | 1,267         | 1,120         | 782           | 613                |
| 1943.....              | 935  | 995       | 962           | 927               | 816               | 993           | 1,034                   | 1,438         | 1,292         | 839           | 738                |
| 1944.....              | 998  | 984       | 1,073         | 1,002             | 950               | 1,072         | 1,164                   | 1,483         | 1,331         | 898           | 822                |
| 1945.....              | 1,100  | 1,069     | 1,134         | 1,009             | 1,047             | 1,163         | 1,159                   | 1,507         | 1,318         | 946           | 890                |
| 1946.....              | 1,174  | 1,207     | 1,186         | 1,046             | 1,083             | 1,151         | 1,116                   | 1,533         | 1,313         | 990           | 921                |
| 1947.....              | 1,256  | 1,190     | 1,221         | 1,446             | 1,232             | 1,243         | 1,288                   | 1,634         | 1,350         | 1,002         | 1,029              |
| 1948.....              | 1,431  | 1,601     | 1,389         | 1,402             | 1,496             | 1,509         | 1,334                   | 1,697         | 1,467         | 1,130         | 1,120              |
| 1949.....              | 1,309  | 1,327     | 1,338         | 1,131             | 1,091             | 1,304         | 1,287                   | 1,828         | 1,457         | 1,108         | 1,033              |
| 1950.....              | 1,410  | 1,496     | 1,431         | 1,264             | 1,242             | 1,490         | 1,444                   | 2,107         | 1,602         | 1,228         | 1,065              |
| 1951.....              | 1,548  | 1,589     | 1,556         | 1,314             | 1,437             | 1,570         | 1,579                   | 2,183         | 1,769         | 1,387         | 1,192              |
| 1952.....              | 1,591  | 1,664     | 1,656         | 1,218             | 1,271             | 1,668         | 1,784                   | 2,267         | 1,889         | 1,470         | 1,258              |
| 1953.....              | 1,664  | 1,608     | 1,729         | 1,245             | 1,376             | 1,612         | 1,723                   | 2,353         | 1,965         | 1,488         | 1,282              |
| 1954.....              | 1,670  | 1,732     | 1,715         | 1,255             | 1,397             | 1,681         | 1,764                   | 2,303         | 1,889         | 1,501         | 1,232              |
| 1955.....              | 1,727  | 1,616     | 1,802         | 1,379             | 1,292             | 1,594         | 1,735                   | 2,493         | 1,997         | 1,572         | 1,322              |
| 1956.....              | 1,782  | 1,702     | 1,884         | 1,438             | 1,364             | 1,627         | 1,798                   | 2,726         | 2,132         | 1,636         | 1,483              |
| 1957.....              | 1,872  | 1,876     | 1,922         | 1,480             | 1,602             | 1,875         | 1,885                   | 2,615         | 2,207         | 1,655         | 1,597              |
| 1958.....              | 1,989  | 1,925     | 2,023         | 1,701             | 1,666             | 1,962         | 2,077                   | 2,585         | 2,206         | 1,684         | 1,549              |
| 1959.....              | 2,019  | 1,953     | 2,101         | 1,540             | 1,472             | 1,975         | 2,081                   | 2,690         | 2,272         | 1,772         | 1,587              |
| 1960.....              | 2,115  | 1,988     | 2,115         | 1,718             | 1,782             | 2,110         | 2,168                   | 2,735         | 2,347         | 1,843         | 1,602              |
| 1961.....              | 2,193  | 2,082     | 2,166         | 1,508             | 1,772             | 2,114         | 2,258                   | 2,737         | 2,467         | 1,899         | 1,637              |
| 1962.....              | 2,254  | 2,176     | 2,270         | 2,156             | 2,000             | 2,247         | 2,350                   | 2,859         | 2,577         | 2,019         | 1,700              |
| 1963.....              | 2,370  | 2,304     | 2,354         | 2,014             | 1,911             | 2,280         | 2,409                   | 2,970         | 2,677         | 2,094         | 1,785              |
| 1964.....              | 2,432  | 2,356     | 2,446         | 2,122             | 1,881             | 2,361         | 2,513                   | 3,091         | 2,829         | 2,270         | 1,885              |
| 1965.....              | 2,625  | 2,595     | 2,628         | 2,304             | 2,055             | 2,573         | 2,692                   | 3,335         | 3,014         | 2,392         | 2,007              |

BASIC DATA - CONTINUED



Series C36 to C46

| Year                    | Per capita personal income: APS(Easterlin)-OBE (Dollars) |                     |              |              |                             |                |              |                  |                             |                |               |
|-------------------------|--|---------------------|--------------|--------------|-----------------------------|----------------|--------------|------------------|-----------------------------|----------------|---------------|
|                         | South Atlantic Division                                  |                     |              |              | East South Central Division |                |              |                  | West South Central Division |                |               |
|                         | C36. North Carolina                                      | C37. South Carolina | C38. Georgia | C39. Florida | C40. Kentucky               | C41. Tennessee | C42. Alabama | C43. Mississippi | C44. Arkansas               | C45. Louisiana | C46. Oklahoma |
| 1880.....               | 64   | 72                  | 86           | 79           | 107                         | 81             | 82           | 82               | 79                          | 138            | ...           |
| 1900.....               | 72   | 74                  | 86           | 112          | 120                         | 101            | 88           | 84               | 89                          | 128            | 114           |
| 1920 <sup>1</sup> ..... | 354  | 336                 | 348          | 437          | 400                         | 361            | 313          | 281              | 329                         | 426            | 504           |
| 1921.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1922.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1923.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1924.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1925.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1926.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1927.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1928.....               | ...  | ...                 | ...          | ...          | ...                         | ...            | ...          | ...              | ...                         | ...            | ...           |
| 1929.....               | 334  | 270                 | 350          | 521          | 391                         | 377            | 324          | 285              | 305                         | 415            | 454           |
| 1930.....               | 293  | 241                 | 308          | 464          | 325                         | 325            | 266          | 203              | 223                         | 358            | 368           |
| 1931.....               | 248  | 204                 | 256          | 395          | 289                         | 275            | 222          | 174              | 209                         | 318            | 299           |
| 1932.....               | 187  | 157                 | 199          | 314          | 210                         | 197            | 161          | 126              | 155                         | 239            | 216           |
| 1933.....               | 207  | 174                 | 204          | 284          | 205                         | 204            | 165          | 131              | 155                         | 226            | 222           |
| 1934.....               | 245  | 205                 | 240          | 339          | 229                         | 240            | 205          | 165              | 177                         | 260            | 247           |
| 1935.....               | 269  | 226                 | 267          | 367          | 262                         | 260            | 215          | 175              | 201                         | 286            | 293           |
| 1936.....               | 295  | 253                 | 301          | 440          | 290                         | 300            | 248          | 222              | 239                         | 325            | 317           |
| 1937.....               | 321  | 267                 | 311          | 476          | 334                         | 328            | 262          | 220              | 247                         | 348            | 369           |
| 1938.....               | 296  | 249                 | 290          | 452          | 292                         | 298            | 243          | 200              | 226                         | 346            | 343           |
| 1939.....               | 316  | 273                 | 310          | 486          | 303                         | 308            | 250          | 205              | 242                         | 357            | 345           |
| 1940.....               | 328  | 307                 | 340          | 513          | 320                         | 339            | 282          | 218              | 256                         | 363            | 373           |
| 1941.....               | 426  | 392                 | 424          | 597          | 392                         | 433            | 375          | 313              | 338                         | 449            | 434           |
| 1942.....               | 575  | 540                 | 571          | 769          | 533                         | 555            | 515          | 440              | 471                         | 593            | 624           |
| 1943.....               | 691  | 639                 | 725          | 985          | 689                         | 717            | 651          | 528              | 541                         | 784            | 774           |
| 1944.....               | 765  | 724                 | 835          | 1,090        | 759                         | 856            | 735          | 627              | 672                         | 879            | 944           |
| 1945.....               | 821  | 743                 | 882          | 1,151        | 794                         | 902            | 780          | 627              | 722                         | 892            | 967           |
| 1946.....               | 858  | 763                 | 844          | 1,137        | 811                         | 856            | 744          | 605              | 729                         | 829            | 939           |
| 1947.....               | 894  | 779                 | 884          | 1,143        | 850                         | 876            | 794          | 662              | 719                         | 881            | 1,015         |
| 1948.....               | 966  | 891                 | 959          | 1,181        | 1,006                       | 950            | 865          | 789              | 891                         | 1,032          | 1,145         |
| 1949.....               | 934  | 850                 | 940          | 1,191        | 949                         | 933            | 815          | 691              | 815                         | 1,085          | 1,170         |
| 1950.....               | 1,031  | 893                 | 1,025        | 1,281        | 997                         | 1,000          | 879          | 755              | 841                         | 1,120          | 1,144         |
| 1951.....               | 1,132  | 1,071               | 1,158        | 1,359        | 1,161                       | 1,087          | 1,005        | 830              | 945                         | 1,204          | 1,285         |
| 1952.....               | 1,173  | 1,160               | 1,231        | 1,443        | 1,249                       | 1,143          | 1,071        | 886              | 1,011                       | 1,279          | 1,392         |
| 1953.....               | 1,217  | 1,199               | 1,279        | 1,527        | 1,312                       | 1,235          | 1,124        | 922              | 1,052                       | 1,346          | 1,469         |
| 1954.....               | 1,234  | 1,119               | 1,252        | 1,521        | 1,289                       | 1,228          | 1,099        | 908              | 1,059                       | 1,346          | 1,448         |
| 1955.....               | 1,308  | 1,182               | 1,368        | 1,621        | 1,346                       | 1,286          | 1,232        | 1,020            | 1,156                       | 1,396          | 1,509         |
| 1956.....               | 1,373  | 1,210               | 1,440        | 1,724        | 1,433                       | 1,373          | 1,303        | 1,025            | 1,206                       | 1,499          | 1,583         |
| 1957.....               | 1,366  | 1,236               | 1,464        | 1,769        | 1,481                       | 1,423          | 1,370        | 1,039            | 1,217                       | 1,614          | 1,644         |
| 1958.....               | 1,434  | 1,259               | 1,516        | 1,828        | 1,508                       | 1,452          | 1,403        | 1,126            | 1,287                       | 1,613          | 1,765         |
| 1959.....               | 1,508  | 1,336               | 1,607        | 1,939        | 1,566                       | 1,534          | 1,464        | 1,203            | 1,387                       | 1,666          | 1,809         |
| 1960.....               | 1,560  | 1,379               | 1,639        | 1,954        | 1,586                       | 1,545          | 1,487        | 1,204            | 1,379                       | 1,655          | 1,867         |
| 1961.....               | 1,626  | 1,431               | 1,679        | 1,973        | 1,679                       | 1,621          | 1,506        | 1,267            | 1,492                       | 1,688          | 1,916         |
| 1962.....               | 1,728  | 1,533               | 1,777        | 2,055        | 1,760                       | 1,696          | 1,579        | 1,307            | 1,548                       | 1,749          | 1,932         |
| 1963.....               | 1,803  | 1,582               | 1,879        | 2,141        | 1,848                       | 1,773          | 1,672        | 1,433            | 1,628                       | 1,845          | 2,000         |
| 1964.....               | 1,923  | 1,690               | 2,003        | 2,294        | 1,893                       | 1,876          | 1,781        | 1,493            | 1,712                       | 1,940          | 2,116         |
| 1965.....               | 2,028  | 1,838               | 2,156        | 2,420        | 2,043                       | 1,992          | 1,910        | 1,566            | 1,781                       | 2,061          | 2,236         |

Average of 1919-21.

## Series C47 to C57

| Year                    | Per capita personal income: APS(Easterlin)—OBE (Dollars) |                   |            |              |               |                    |              |           |             |                  |             |
|-------------------------|--|-------------------|------------|--------------|---------------|--------------------|--------------|-----------|-------------|------------------|-------------|
|                         | C47. West South<br>Central: Texas                        | Mountain Division |            |              |               |                    |              |           |             | Pacific Division |             |
|                         |  | C48. Montana      | C49. Idaho | C50. Wyoming | C51. Colorado | C52. New<br>Mexico | C53. Arizona | C54. Utah | C55. Nevada | C56. Washington  | C57. Oregon |
| 1880.....               | 98   | 456               | 281        | 321          | 371           | 105                | 399          | 134       | 606         | 234              | 234         |
| 1900.....               | 138  | 415               | 221        | 311          | 318           | 148                | 321          | 183       | 395         | 296              | 248         |
| 1920 <sup>1</sup> ..... | 539  | 627               | 597        | 502          | 728           | 477                | 701          | 556       | 939         | 770              | 744         |
| 1921.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1922.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1923.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1924.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1925.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1926.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1927.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1928.....               | ...  | ...               | ...        | ...          | ...           | ...                | ...          | ...       | ...         | ...              | ...         |
| 1929.....               | 478  | 595               | 503        | 677          | 637           | 407                | 591          | 559       | 878         | 750              | 683         |
| 1930.....               | 411  | 503               | 497        | 584          | 580           | 333                | 514          | 505       | 826         | 665              | 620         |
| 1931.....               | 346  | 383               | 370        | 476          | 474           | 287                | 424          | 378       | 649         | 538              | 513         |
| 1932.....               | 262  | 337               | 270        | 374          | 356           | 209                | 315          | 309       | 542         | 403              | 384         |
| 1933.....               | 253  | 299               | 228        | 365          | 355           | 209                | 300          | 300       | 500         | 378              | 363         |
| 1934.....               | 284  | 361               | 378        | 403          | 369           | 243                | 353          | 314       | 531         | 439              | 439         |
| 1935.....               | 318  | 473               | 393        | 489          | 442           | 286                | 406          | 392       | 650         | 489              | 464         |
| 1936.....               | 363  | 477               | 461        | 542          | 538           | 333                | 454          | 465       | 822         | 568              | 554         |
| 1937.....               | 408  | 513               | 418        | 601          | 531           | 354                | 492          | 450       | 748         | 600              | 564         |
| 1938.....               | 396  | 514               | 421        | 553          | 507           | 333                | 468          | 450       | 762         | 586              | 544         |
| 1939.....               | 409  | 530               | 434        | 585          | 516           | 352                | 477          | 462       | 841         | 617              | 582         |
| 1940.....               | 432  | 570               | 464        | 608          | 546           | 375                | 497          | 487       | 876         | 662              | 623         |
| 1941.....               | 524  | 715               | 594        | 783          | 648           | 471                | 628          | 603       | 975         | 871              | 838         |
| 1942.....               | 712  | 896               | 904        | 944          | 891           | 628                | 898          | 890       | 1,547       | 1,203            | 1,140       |
| 1943.....               | 931  | 1,128             | 1,004      | 1,142        | 1,030         | 758                | 986          | 1,132     | 1,493       | 1,473            | 1,401       |
| 1944.....               | 1,038  | 1,168             | 1,080      | 1,229        | 1,063         | 869                | 1,036        | 1,058     | 1,477       | 1,535            | 1,415       |
| 1945.....               | 1,051  | 1,191             | 1,114      | 1,258        | 1,183         | 926                | 1,107        | 1,128     | 1,585       | 1,425            | 1,381       |
| 1946.....               | 1,028  | 1,278             | 1,169      | 1,340        | 1,195         | 906                | 1,083        | 1,094     | 1,717       | 1,395            | 1,396       |
| 1947.....               | 1,128  | 1,457             | 1,251      | 1,488        | 1,338         | 988                | 1,149        | 1,178     | 1,732       | 1,497            | 1,518       |
| 1948.....               | 1,199  | 1,616             | 1,313      | 1,595        | 1,434         | 1,084              | 1,273        | 1,239     | 1,816       | 1,598            | 1,586       |
| 1949.....               | 1,290  | 1,385             | 1,246      | 1,604        | 1,405         | 1,116              | 1,268        | 1,241     | 1,824       | 1,567            | 1,538       |
| 1950.....               | 1,349  | 1,622             | 1,293      | 1,668        | 1,487         | 1,176              | 1,329        | 1,307     | 2,021       | 1,672            | 1,585       |
| 1951.....               | 1,469  | 1,760             | 1,440      | 1,910        | 1,745         | 1,305              | 1,566        | 1,489     | 2,252       | 1,819            | 1,752       |
| 1952.....               | 1,544  | 1,786             | 1,585      | 1,866        | 1,830         | 1,366              | 1,661        | 1,539     | 2,432       | 1,917            | 1,837       |
| 1953.....               | 1,584  | 1,778             | 1,506      | 1,891        | 1,767         | 1,387              | 1,649        | 1,575     | 2,465       | 1,998            | 1,835       |
| 1954.....               | 1,612  | 1,728             | 1,499      | 1,816        | 1,719         | 1,415              | 1,616        | 1,551     | 2,440       | 1,998            | 1,795       |
| 1955.....               | 1,668  | 1,851             | 1,535      | 1,854        | 1,815         | 1,505              | 1,673        | 1,622     | 2,551       | 2,035            | 1,903       |
| 1956.....               | 1,754  | 1,890             | 1,663      | 1,936        | 1,888         | 1,591              | 1,766        | 1,703     | 2,505       | 2,090            | 1,996       |
| 1957.....               | 1,825  | 1,943             | 1,715      | 2,051        | 2,024         | 1,695              | 1,805        | 1,790     | 2,591       | 2,167            | 1,981       |
| 1958.....               | 1,853  | 2,057             | 1,796      | 2,139        | 2,117         | 1,841              | 1,839        | 1,827     | 2,655       | 2,211            | 2,072       |
| 1959.....               | 1,915  | 2,014             | 1,868      | 2,235        | 2,196         | 1,909              | 1,962        | 1,923     | 2,775       | 2,315            | 2,182       |
| 1960.....               | 1,927  | 2,039             | 1,845      | 2,260        | 2,275         | 1,885              | 2,037        | 1,964     | 2,862       | 2,345            | 2,230       |
| 1961.....               | 1,986  | 1,974             | 1,908      | 2,301        | 2,344         | 1,948              | 2,068        | 2,034     | 2,934       | 2,451            | 2,275       |
| 1962.....               | 2,029  | 2,273             | 2,027      | 2,382        | 2,426         | 2,014              | 2,163        | 2,157     | 3,247       | 2,590            | 2,379       |
| 1963.....               | 2,110  | 2,263             | 2,040      | 2,413        | 2,481         | 2,053              | 2,198        | 2,206     | 3,242       | 2,615            | 2,475       |
| 1964.....               | 2,222  | 2,295             | 2,114      | 2,444        | 2,583         | 2,121              | 2,287        | 2,273     | 3,261       | 2,707            | 2,613       |
| 1965.....               | 2,346  | 2,409             | 2,338      | 2,479        | 2,706         | 2,227              | 2,310        | 2,340     | 3,289       | 2,864            | 2,794       |

Series C58 to C68

| Year                    | Per capita personal income:<br>APS(Easterlin)-OBE (Dollars) |             |             | Personal income: APS(Easterlin)-OBE (Millions of dollars) |                           |                               |                                  |                                  |                              |                                  |                                  |
|-------------------------|---|-------------|-------------|---|---------------------------|-------------------------------|----------------------------------|----------------------------------|------------------------------|----------------------------------|----------------------------------|
|                         | Pacific Division  |             |             | C61. United States  | C62. New England Division | C63. Middle Atlantic Division | C64. East North Central Division | C65. West North Central Division | C66. South Atlantic Division | C67. East South Central Division | C68. West South Central Division |
|                         | C58. California   | C59. Alaska | C60. Hawaii |   |                           |                               |                                  |                                  |                              |                                  |                                  |
| 1880.....               | 392   | ...         | ...         | 8,740   | 988                       | 2,661                         | 1,997                            | 968                              | 689                          | 500                              | 351                              |
| 1900.....               | 365   | ...         | ...         | 15,390  | 1,518                     | 4,457                         | 3,455                            | 2,043                            | 1,086                        | 753                              | 804                              |
| 1920 <sup>1</sup> ..... | 998   | ...         | ...         | 69,277  | 6,061                     | 19,711                        | 15,389                           | 7,114                            | 5,833                        | 3,052                            | 4,879                            |
| 1921.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1922.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1923.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1924.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1925.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1926.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1927.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1928.....               | ...   | ...         | ...         | ...   | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              |
| 1929.....               | 995   | ...         | ...         | 85,661  | 7,125                     | 25,350                        | 20,235                           | 7,584                            | 7,247                        | 3,428                            | 5,259                            |
| 1930.....               | 889   | ...         | ...         | 76,780  | 6,588                     | 23,585                        | 17,328                           | 6,802                            | 6,570                        | 2,815                            | 4,451                            |
| 1931.....               | 746   | ...         | ...         | 65,597  | 5,881                     | 20,296                        | 14,431                           | 5,633                            | 5,858                        | 2,433                            | 3,824                            |
| 1932.....               | 574   | ...         | ...         | 50,022  | 4,699                     | 15,695                        | 10,501                           | 4,252                            | 4,622                        | 1,776                            | 2,875                            |
| 1933.....               | 541   | ...         | ...         | 47,122  | 4,413                     | 14,616                        | 9,737                            | 3,781                            | 4,580                        | 1,820                            | 2,834                            |
| 1934.....               | 592   | ...         | ...         | 53,482  | 4,836                     | 16,155                        | 11,544                           | 4,156                            | 5,320                        | 2,180                            | 3,216                            |
| 1935.....               | 651   | ...         | ...         | 60,104  | 5,152                     | 17,283                        | 13,378                           | 5,468                            | 5,857                        | 2,393                            | 3,667                            |
| 1936.....               | 760   | ...         | ...         | 68,363  | 5,799                     | 19,674                        | 15,394                           | 5,588                            | 6,726                        | 2,779                            | 4,179                            |
| 1937.....               | 786   | ...         | ...         | 73,803  | 6,015                     | 20,614                        | 17,109                           | 6,415                            | 7,280                        | 3,030                            | 4,665                            |
| 1938.....               | 764   | ...         | ...         | 68,433  | 5,530                     | 19,170                        | 15,060                           | 5,926                            | 6,890                        | 2,763                            | 4,521                            |
| 1939.....               | 775   | ...         | 525         | 72,753  | 5,940                     | 20,185                        | 16,428                           | 6,165                            | 7,493                        | 2,889                            | 4,710                            |
| 1940.....               | 840   | ...         | 577         | 78,522  | 6,398                     | 21,563                        | 17,818                           | 6,515                            | 8,227                        | 3,184                            | 5,005                            |
| 1941.....               | 1,009   | ...         | ...         | 95,953  | 7,754                     | 24,940                        | 22,084                           | 7,934                            | 10,435                       | 4,181                            | 6,228                            |
| 1942.....               | 1,281   | ...         | ...         | 122,417   | 9,522                     | 29,408                        | 27,227                           | 10,566                           | 14,150                       | 5,628                            | 8,654                            |
| 1943.....               | 1,540   | ...         | ...         | 148,409   | 10,892                    | 34,454                        | 32,748                           | 12,352                           | 17,272                       | 7,033                            | 11,173                           |
| 1944.....               | 1,582   | ...         | ...         | 160,118   | 11,274                    | 37,473                        | 34,901                           | 13,014                           | 18,912                       | 7,637                            | 12,432                           |
| 1945.....               | 1,580   | ...         | ...         | 164,549   | 11,372                    | 38,798                        | 35,511                           | 13,780                           | 19,507                       | 8,124                            | 12,550                           |
| 1946.....               | 1,654   | ...         | 1,312       | 175,701   | 12,286                    | 42,174                        | 38,332                           | 15,341                           | 20,150                       | 8,285                            | 12,822                           |
| 1947.....               | 1,678   | ...         | 1,384       | 189,077   | 13,026                    | 45,021                        | 42,488                           | 16,726                           | 21,005                       | 8,891                            | 14,090                           |
| 1948.....               | 1,751   | ...         | 1,407       | 208,876   | 13,833                    | 48,800                        | 47,809                           | 19,674                           | 22,910                       | 10,096                           | 15,836                           |
| 1949.....               | 1,728   | ...         | 1,353       | 205,793   | 13,657                    | 48,702                        | 46,017                           | 17,999                           | 22,990                       | 9,607                            | 16,655                           |
| 1950.....               | 1,851   | 2,384       | 1,386       | 226,214   | 14,950                    | 52,932                        | 50,857                           | 20,162                           | 25,666                       | 10,572                           | 17,663                           |
| 1951.....               | 2,042   | 2,836       | 1,580       | 253,232   | 16,565                    | 57,877                        | 57,563                           | 21,943                           | 29,212                       | 11,951                           | 19,886                           |
| 1952.....               | 2,166   | 2,612       | 1,748       | 269,769   | 17,490                    | 60,909                        | 61,029                           | 23,048                           | 31,398                       | 12,671                           | 21,423                           |
| 1953.....               | 2,203   | 2,492       | 1,795       | 285,456   | 18,528                    | 64,860                        | 66,325                           | 23,463                           | 32,777                       | 13,279                           | 22,134                           |
| 1954.....               | 2,170   | 2,300       | 1,802       | 287,607   | 18,752                    | 65,716                        | 65,565                           | 24,258                           | 32,886                       | 13,049                           | 22,424                           |
| 1955.....               | 2,311   | 2,273       | 1,838       | 308,266   | 20,057                    | 69,783                        | 70,796                           | 24,784                           | 35,709                       | 14,167                           | 23,990                           |
| 1956.....               | 2,418   | 2,448       | 1,899       | 330,479   | 21,384                    | 74,592                        | 75,651                           | 26,095                           | 38,871                       | 14,983                           | 25,684                           |
| 1957.....               | 2,487   | 2,323       | 1,944       | 348,460   | 22,489                    | 78,750                        | 78,642                           | 27,874                           | 40,821                       | 15,652                           | 27,442                           |
| 1958.....               | 2,509   | 2,357       | 1,987       | 358,474   | 23,068                    | 80,170                        | 78,412                           | 29,556                           | 42,672                       | 16,290                           | 28,460                           |
| 1959.....               | 2,647   | 2,507       | 2,172       | 380,964   | 24,406                    | 84,819                        | 83,469                           | 30,259                           | 45,714                       | 17,360                           | 29,931                           |
| 1960.....               | 2,705   | 2,821       | 2,369       | 398,726   | 25,525                    | 88,115                        | 86,554                           | 31,892                           | 47,832                       | 17,859                           | 30,791                           |
| 1961.....               | 2,772   | 2,690       | 2,484       | 414,411   | 26,565                    | 90,889                        | 88,077                           | 32,941                           | 50,332                       | 18,867                           | 32,419                           |
| 1962.....               | 2,882   | 2,751       | 2,537       | 440,190   | 28,136                    | 95,909                        | 93,091                           | 35,014                           | 54,085                       | 19,954                           | 34,049                           |
| 1963.....               | 2,986   | 2,839       | 2,641       | 462,335   | 29,347                    | 99,562                        | 97,635                           | 36,391                           | 57,577                       | 21,335                           | 35,935                           |
| 1964.....               | 3,112   | 3,159       | 2,787       | 492,466   | 31,119                    | 105,650                       | 104,255                          | 37,786                           | 62,560                       | 22,644                           | 38,375                           |
| 1965.....               | 3,196   | 3,375       | 2,906       | 527,890   | 33,159                    | 111,996                       | 113,075                          | 41,077                           | 67,616                       | 24,407                           | 41,078                           |

Average of 1919-21

## Series C69 to C79

| Year      | Personal income:<br>APS(Easterlin)-OBE (Millions of dol.) |                          | Resident population: Census (Thousands) |                                   |                                  |  |                                     |                                   |                                     |                                     |                           |
|-----------|---|--------------------------|---|-----------------------------------|----------------------------------|--|-------------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|---------------------------|
|           | C69. Mountain<br>Division                                 | C70. Pacific<br>Division | C71. United<br>States                   | C72. New<br>England Divi-<br>sion | C73. Middle<br>Atlantic Division | C74. East<br>North Central<br>Division | C75. West North<br>Central Division | C76. South At-<br>lantic Division | C77. East South<br>Central Division | C78. West South<br>Central Division | C79. Mountain<br>Division |
| 1860..... | ...   | ...                      | 31,443                                  | 3,135                             | 7,459                            | 6,927                                  | 2,170                               | 5,365                             | 4,021                               | 1,748                               | 175                       |
| 1861..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1862..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1863..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1864..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1865..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1866..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1867..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1868..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1869..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1870..... | ...   | ...                      | 38,558                                  | 3,488                             | 8,811                            | 9,125                                  | 3,857                               | 5,854                             | 4,404                               | 2,030                               | 315                       |
| 1871..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1872..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1873..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1874..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1875..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1876..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1877..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1878..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1879..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1880..... | 191   | 398                      | 50,156                                  | 4,011                             | 10,497                           | 11,207                                 | 6,157                               | 7,597                             | 5,585                               | 3,334                               | 653                       |
| 1881..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1882..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1883..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1884..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1885..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1886..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1887..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1888..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1889..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1890..... | ...   | ...                      | 62,948                                  | 4,701                             | 12,706                           | 13,478                                 | 8,932                               | 8,858                             | 6,429                               | 4,741                               | 1,214                     |
| 1891..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1892..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1893..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1894..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1895..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1896..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1897..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1898..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1899..... | ...   | ...                      | ...                                     | ...                               | ...                              | ...                                    | ...                                 | ...                               | ...                                 | ...                                 | ...                       |
| 1900..... | 475   | 800                      | 76,094                                  | 5,579                             | 15,480                           | 16,002                                 | 10,357                              | 10,458                            | 7,554                               | 6,553                               | 1,684                     |
| 1901..... | ...   | ...                      | 77,585                                  | 5,624                             | 15,777                           | 16,230                                 | 10,492                              | 10,625                            | 7,688                               | 6,801                               | 1,784                     |
| 1902..... | ...   | ...                      | 79,160                                  | 5,719                             | 16,096                           | 16,499                                 | 10,627                              | 10,787                            | 7,775                               | 7,037                               | 1,892                     |
| 1903..... | ...   | ...                      | 80,632                                  | 5,809                             | 16,439                           | 16,727                                 | 10,719                              | 10,937                            | 7,858                               | 7,260                               | 1,982                     |
| 1904..... | ...   | ...                      | 82,165                                  | 5,906                             | 16,810                           | 16,969                                 | 10,861                              | 11,082                            | 7,922                               | 7,488                               | 2,049                     |
| 1905..... | ...   | ...                      | 83,820                                  | 6,009                             | 17,205                           | 17,216                                 | 10,987                              | 11,276                            | 8,021                               | 7,706                               | 2,133                     |
| 1906..... | ...   | ...                      | 85,437                                  | 6,131                             | 17,638                           | 17,435                                 | 11,089                              | 11,446                            | 8,118                               | 7,911                               | 2,236                     |
| 1907..... | ...   | ...                      | 87,000                                  | 6,254                             | 18,066                           | 17,654                                 | 11,214                              | 11,595                            | 8,171                               | 8,113                               | 2,333                     |
| 1908..... | ...   | ...                      | 88,709                                  | 6,364                             | 18,515                           | 17,842                                 | 11,345                              | 11,811                            | 8,250                               | 8,345                               | 2,435                     |
| 1909..... | ...   | ...                      | 90,492                                  | 6,472                             | 18,968                           | 18,034                                 | 11,496                              | 12,038                            | 8,340                               | 8,585                               | 2,541                     |

BASIC DATA - CONTINUED

|           |                    |                    |         |        |        |        |        |        |        |        |       |
|-----------|--------------------|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|-------|
| 1910..... | ...                | ...                | 92,407  | 6,565  | 19,393 | 18,344 | 11,675 | 12,259 | 8,442  | 8,843  | 2,654 |
| 1911..... | ...                | ...                | 93,868  | 6,629  | 19,709 | 18,614 | 11,771 | 12,474 | 8,516  | 9,035  | 2,725 |
| 1912..... | ...                | ...                | 95,331  | 6,729  | 20,017 | 18,910 | 11,868 | 12,669 | 8,599  | 9,189  | 2,793 |
| 1913..... | ...                | ...                | 97,227  | 6,883  | 20,341 | 19,321 | 12,006 | 12,954 | 8,737  | 9,375  | 2,868 |
| 1914..... | ...                | ...                | 99,118  | 7,034  | 20,650 | 19,748 | 12,166 | 13,266 | 8,852  | 9,552  | 2,951 |
| 1915..... | ...                | ...                | 100,549 | 7,137  | 20,912 | 20,116 | 12,316 | 13,500 | 8,866  | 9,685  | 3,024 |
| 1916..... | ...                | ...                | 101,966 | 7,198  | 21,229 | 20,452 | 12,460 | 13,667 | 8,897  | 9,869  | 3,112 |
| 1917..... | ...                | ...                | 103,266 | 7,267  | 21,547 | 20,771 | 12,474 | 13,788 | 8,933  | 10,055 | 3,211 |
| 1918..... | ...                | ...                | 103,203 | 7,180  | 21,503 | 20,798 | 12,168 | 13,976 | 8,869  | 10,130 | 3,209 |
| 1919..... | ...                | ...                | 104,512 | 7,304  | 22,031 | 21,172 | 12,396 | 13,883 | 8,845  | 10,132 | 3,301 |
| 1920..... | <sup>1</sup> 2,190 | <sup>15</sup> 0,48 | 106,466 | 7,454  | 22,220 | 21,811 | 12,562 | 14,101 | 8,909  | 10,347 | 3,344 |
| 1921..... | ...                | ...                | 108,541 | 7,574  | 22,613 | 22,349 | 12,656 | 14,340 | 9,030  | 10,577 | 3,403 |
| 1922..... | ...                | ...                | 110,055 | 7,668  | 22,951 | 22,680 | 12,734 | 14,484 | 9,144  | 10,738 | 3,435 |
| 1923..... | ...                | ...                | 111,950 | 7,756  | 23,372 | 23,159 | 12,812 | 14,649 | 9,265  | 10,923 | 3,478 |
| 1924..... | ...                | ...                | 114,113 | 7,852  | 23,909 | 23,667 | 12,904 | 14,835 | 9,420  | 11,128 | 3,538 |
| 1925..... | ...                | ...                | 115,832 | 7,946  | 24,328 | 24,053 | 12,986 | 15,015 | 9,495  | 11,332 | 3,567 |
| 1926..... | ...                | ...                | 117,399 | 8,018  | 24,609 | 24,390 | 13,071 | 15,234 | 9,600  | 11,540 | 3,592 |
| 1927..... | ...                | ...                | 119,038 | 8,076  | 24,810 | 24,792 | 13,145 | 15,480 | 9,730  | 11,762 | 3,633 |
| 1928..... | ...                | ...                | 120,501 | 8,095  | 25,369 | 24,984 | 13,214 | 15,610 | 9,812  | 11,930 | 3,655 |
| 1929..... | 2,118              | 7,315              | 121,770 | 8,130  | 25,883 | 25,187 | 13,260 | 15,702 | 9,852  | 12,072 | 3,650 |
| 1930..... | 1,926              | 6,715              | 123,077 | 8,175  | 26,364 | 25,332 | 13,335 | 15,816 | 9,895  | 12,209 | 3,714 |
| 1931..... | 1,547              | 5,694              | 124,040 | 8,193  | 26,675 | 25,426 | 13,446 | 15,942 | 9,952  | 12,282 | 3,751 |
| 1932..... | 1,210              | 4,392              | 124,840 | 8,220  | 26,885 | 25,535 | 13,518 | 16,066 | 10,044 | 12,346 | 3,775 |
| 1933..... | 1,158              | 4,183              | 125,579 | 8,254  | 27,017 | 25,632 | 13,567 | 16,205 | 10,137 | 12,438 | 3,797 |
| 1934..... | 1,346              | 4,729              | 126,374 | 8,296  | 27,137 | 25,694 | 13,593 | 16,397 | 10,241 | 12,524 | 3,835 |
| 1935..... | 1,625              | 5,281              | 127,250 | 8,361  | 27,234 | 25,824 | 13,630 | 16,563 | 10,326 | 12,627 | 3,881 |
| 1936..... | 1,900              | 6,324              | 128,053 | 8,391  | 27,332 | 25,960 | 13,601 | 16,743 | 10,374 | 12,695 | 3,939 |
| 1937..... | 1,944              | 6,731              | 128,825 | 8,409  | 27,389 | 26,096 | 13,544 | 16,960 | 10,427 | 12,744 | 3,996 |
| 1938..... | 1,910              | 6,663              | 129,825 | 8,427  | 27,564 | 26,243 | 13,492 | 17,263 | 10,535 | 12,838 | 4,042 |
| 1939..... | 1,999              | 6,944              | 130,880 | 8,438  | 27,553 | 26,456 | 13,505 | 17,594 | 10,681 | 12,975 | 4,101 |
| 1940..... | 2,144              | 7,668              | 131,954 | 8,450  | 27,526 | 26,725 | 13,498 | 17,935 | 10,814 | 13,075 | 4,155 |
| 1941..... | 2,607              | 9,790              | 133,417 | 8,586  | 27,443 | 27,042 | 13,292 | 18,590 | 10,917 | 13,327 | 4,088 |
| 1942..... | 3,675              | 13,587             | 134,670 | 8,627  | 27,038 | 27,158 | 13,126 | 19,294 | 10,916 | 13,522 | 4,143 |
| 1943..... | 4,505              | 17,980             | 134,697 | 8,534  | 26,501 | 26,478 | 12,768 | 19,874 | 10,771 | 13,546 | 4,352 |
| 1944..... | 4,573              | 19,702             | 134,075 | 8,588  | 26,101 | 26,511 | 12,446 | 19,939 | 10,411 | 13,167 | 4,264 |
| 1945..... | 4,783              | 20,124             | 133,387 | 8,515  | 25,834 | 26,379 | 12,394 | 19,618 | 10,328 | 13,018 | 4,184 |
| 1946..... | 5,145              | 21,166             | 140,638 | 8,909  | 27,819 | 28,425 | 13,180 | 20,014 | 10,812 | 13,675 | 4,435 |
| 1947..... | 5,791              | 22,039             | 143,665 | 9,059  | 28,822 | 29,153 | 13,446 | 20,168 | 11,022 | 13,931 | 4,563 |
| 1948..... | 6,464              | 23,453             | 146,093 | 9,233  | 29,557 | 29,833 | 13,604 | 20,199 | 11,078 | 14,137 | 4,727 |
| 1949..... | 6,504              | 23,660             | 148,665 | 9,379  | 30,172 | 30,325 | 13,851 | 20,607 | 11,169 | 14,205 | 4,896 |
| 1950..... | 7,232              | 26,180             | 151,235 | 9,315  | 30,243 | 30,530 | 14,102 | 21,250 | 11,486 | 14,610 | 5,102 |
| 1951..... | 8,361              | 29,875             | 153,310 | 9,288  | 30,357 | 30,884 | 14,169 | 21,796 | 11,534 | 14,991 | 5,179 |
| 1952..... | 9,006              | 32,795             | 155,687 | 9,358  | 30,821 | 31,498 | 14,175 | 22,134 | 11,492 | 15,214 | 5,330 |
| 1953..... | 9,239              | 34,850             | 158,242 | 9,627  | 31,418 | 32,167 | 14,269 | 22,384 | 11,380 | 15,164 | 5,515 |
| 1954..... | 9,347              | 35,607             | 161,164 | 9,832  | 31,991 | 33,063 | 14,453 | 22,719 | 11,338 | 15,209 | 5,670 |
| 1955..... | 10,207             | 38,813             | 164,308 | 9,871  | 32,407 | 33,780 | 14,731 | 23,207 | 11,435 | 15,581 | 5,900 |
| 1956..... | 11,102             | 42,119             | 167,305 | 9,929  | 32,699 | 34,404 | 14,905 | 23,842 | 11,470 | 15,839 | 6,139 |
| 1957..... | 12,026             | 44,764             | 170,371 | 10,030 | 33,065 | 34,967 | 14,978 | 24,528 | 11,559 | 16,200 | 6,345 |
| 1958..... | 12,814             | 47,028             | 173,320 | 10,218 | 33,548 | 35,578 | 14,994 | 25,043 | 11,681 | 16,399 | 6,487 |
| 1959..... | 13,719             | 51,284             | 176,289 | 10,436 | 33,935 | 35,929 | 15,195 | 25,556 | 11,863 | 16,658 | 6,684 |
| 1960..... | 14,480             | 55,677             | 179,992 | 10,530 | 34,287 | 36,286 | 15,418 | 26,094 | 12,083 | 17,022 | 6,913 |
| 1961..... | 15,350             | 58,970             | 183,057 | 10,647 | 34,810 | 36,595 | 15,537 | 26,675 | 12,250 | 17,357 | 7,166 |
| 1962..... | 16,685             | 63,268             | 185,890 | 10,756 | 35,189 | 36,887 | 15,617 | 27,189 | 12,400 | 17,805 | 7,356 |
| 1963..... | 17,325             | 67,227             | 188,658 | 10,917 | 35,648 | 37,271 | 15,713 | 27,747 | 12,532 | 18,023 | 7,509 |
| 1964..... | 18,162             | 71,913             | 191,371 | 11,021 | 36,030 | 37,802 | 15,808 | 28,246 | 12,684 | 18,277 | 7,619 |
| 1965..... | 19,262             | 76,220             | 193,818 | 11,132 | 36,372 | 38,143 | 15,878 | 28,716 | 12,810 | 18,529 | 7,776 |

<sup>1</sup>Average of 1919-21.



## Series C80 to C90

| Year      | C80. Resident population: Census-Pacific Division<br>(Thousands) | Value added by manufacturing: Census (Millions of dollars) |                           |                               |                                  |                                  |                              |                                  |                                  |                        |                       |
|-----------|--|--|---------------------------|-------------------------------|----------------------------------|----------------------------------|------------------------------|----------------------------------|----------------------------------|------------------------|-----------------------|
|           |  | C81. United States   | C82. New England Division | C83. Middle Atlantic Division | C84. East North Central Division | C85. West North Central Division | C86. South Atlantic Division | C87. East South Central Division | C88. West South Central Division | C89. Mountain Division | C90. Pacific Division |
| 1860..... | 444  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1861..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1862..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1863..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1864..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1865..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1866..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1867..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1868..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1869..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1870..... | 675  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1871..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1872..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1873..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1874..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1875..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1876..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1877..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1878..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1879..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1880..... | 1,115  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1881..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1882..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1883..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1884..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1885..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1886..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1887..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1888..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1889..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1890..... | 1,888  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1891..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1892..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1893..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1894..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1895..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1896..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1897..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1898..... | ...  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    |                       |
| 1899..... | ...  | 4,647  | 756                       | 1,763                         | 1,205                            | 325                              | 316                          | 149                              | 99                               | 76                     | 141                   |
| 1900..... | 2,428  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1901..... | 2,567  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1902..... | 2,728  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1903..... | 2,900  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1904..... | 3,078  | 6,019  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1905..... | 3,265  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1906..... | 3,435  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1907..... | 3,601  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1908..... | 3,799  | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                   |
| 1909..... | 4,016  | 8,160  | 1,194                     | 2,982                         | 2,177                            | 562                              | 591                          | 294                              | 243                              | 135                    | 350                   |

BASIC DATA - CONTINUED

|           |        |         |        |        |        |        |        |        |        |       |        |
|-----------|--------|---------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| 1910..... | 4,231  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1911..... | 4,393  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1912..... | 4,558  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1913..... | 4,742  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1914..... | 4,901  | 9,386   | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1915..... | 4,992  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1916..... | 5,082  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1917..... | 5,221  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1918..... | 5,366  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1919..... | 5,446  | 23,842  | 3,221  | 8,400  | 7,094  | 1,388  | 1,847  | 660    | 724    | 304   | 1,263  |
| 1920..... | 5,715  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1921..... | 5,998  | 17,253  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1922..... | 6,220  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1923..... | 6,536  | 24,569  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1924..... | 6,864  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1925..... | 7,107  | 25,668  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1926..... | 7,350  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1927..... | 7,610  | 26,325  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1928..... | 7,831  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1929..... | 8,033  | 30,591  | 3,240  | 10,176 | 9,973  | 1,870  | 2,458  | 924    | 950    | 370   | 1,923  |
| 1930..... | 8,235  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1931..... | 8,371  | 18,601  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1932..... | 8,450  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1933..... | 8,533  | 14,008  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1934..... | 8,655  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1935..... | 8,805  | 18,553  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1936..... | 9,019  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1937..... | 9,257  | 25,174  | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1938..... | 9,421  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1939..... | 9,581  | 24,487  | 2,414  | 7,309  | 7,444  | 1,348  | 2,217  | 823    | 815    | 269   | 1,547  |
| 1940..... | 9,776  | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1941..... | 10,132 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1942..... | 10,846 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1943..... | 11,873 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1944..... | 12,648 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1945..... | 13,117 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1946..... | 13,369 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1947..... | 13,501 | 74,290  | 6,798  | 20,768 | 23,474 | 4,116  | 6,942  | 2,884  | 3,030  | 784   | 5,544  |
| 1948..... | 13,725 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |
| 1949..... | 14,062 | 75,367  | 6,299  | 20,676 | 24,502 | 4,395  | 7,075  | 2,839  | 3,070  | 783   | 5,728  |
| 1950..... | 14,596 | 89,750  | 7,418  | 23,503 | 29,818 | 5,154  | 8,471  | 3,453  | 3,849  | 1,042 | 7,041  |
| 1951..... | 15,114 | 102,086 | 8,469  | 26,666 | 33,544 | 5,688  | 9,316  | 3,912  | 4,810  | 1,258 | 8,423  |
| 1952..... | 15,665 | 109,162 | 9,024  | 28,590 | 35,533 | 6,404  | 9,657  | 4,038  | 5,186  | 1,270 | 9,459  |
| 1953..... | 16,318 | 121,659 | 9,905  | 31,655 | 39,926 | 7,050  | 10,686 | 4,667  | 5,647  | 1,502 | 10,621 |
| 1954..... | 16,888 | 117,032 | 9,128  | 30,403 | 36,482 | 7,114  | 10,658 | 4,702  | 5,721  | 1,451 | 11,184 |
| 1955..... | 17,395 | 135,023 | 9,680  | 32,694 | 42,202 | 7,872  | 12,401 | 5,572  | 6,783  | 1,813 | 12,520 |
| 1956..... | 18,079 | 144,909 | 10,881 | 36,288 | 45,189 | 8,560  | 13,519 | 6,139  | 7,680  | 2,149 | 14,389 |
| 1957..... | 18,699 | 147,838 | 10,835 | 37,150 | 45,524 | 8,820  | 13,932 | 6,292  | 7,933  | 2,147 | 15,182 |
| 1958..... | 19,371 | 141,500 | 10,439 | 34,839 | 40,938 | 8,870  | 14,292 | 6,402  | 7,791  | 2,251 | 15,666 |
| 1959..... | 20,034 | 161,315 | 12,130 | 38,512 | 48,222 | 9,945  | 16,536 | 7,166  | 8,673  | 2,473 | 17,545 |
| 1960..... | 21,359 | 164,003 | 12,329 | 39,570 | 48,315 | 10,100 | 17,072 | 7,188  | 8,952  | 2,711 | 18,060 |
| 1961..... | 22,019 | 164,179 | 12,645 | 39,221 | 47,123 | 10,263 | 17,262 | 7,479  | 9,215  | 2,862 | 18,368 |
| 1962..... | 22,689 | 179,290 | 13,458 | 41,749 | 52,418 | 11,132 | 19,259 | 8,147  | 9,729  | 3,177 | 20,451 |
| 1963..... | 23,299 | 191,911 | 13,535 | 43,459 | 56,036 | 10,922 | 21,104 | 9,168  | 10,896 | 3,491 | 21,944 |
| 1964..... | 23,883 | 205,963 | 14,390 | 45,911 | 60,674 | 12,869 | 22,877 | 10,053 | 12,208 | 3,510 | 23,336 |
| 1965..... | 24,462 | ...     | ...    | ...    | ...    | ...    | ...    | ...    | ...    | ...   | ...    |

## Series C91 to C101

| Year      | Manufacturing employment: Census (Thousands) |                           |                               |                                  |                                  |                              |                                  |                                  |                        |                        | C101. New capital expenditure: Census—United States<br>(Millions of dollars) |
|-----------|--|---------------------------|-------------------------------|----------------------------------|----------------------------------|------------------------------|----------------------------------|----------------------------------|------------------------|------------------------|--|
|           | C91. United States                           | C92. New England Division | C93. Middle Atlantic Division | C94. East North Central Division | C95. West North Central Division | C96. South Atlantic Division | C97. East South Central Division | C98. West South Central Division | C99. Mountain Division | C100. Pacific Division |  |
| 1860..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1861..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1862..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1863..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1864..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1865..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1866..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1867..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1868..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1869..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1870..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1871..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1872..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1873..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1874..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1875..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1876..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1877..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1878..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1879..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1880..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1881..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1882..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1883..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1884..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1885..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1886..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1887..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1888..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1889..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1890..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1891..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1892..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1893..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1894..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1895..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1896..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1897..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1898..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1899..... | 4,850  | 897                       | 1,732                         | 1,177                            | 297                              | 483                          | 188                              | 122                              | 48                     | 133                    | ...  |
| 1900..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1901..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1902..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1903..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1904..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1905..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1906..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1907..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1908..... | ...  | ...                       | ...                           | ...                              | ...                              | ...                          | ...                              | ...                              | ...                    | ...                    | ...  |
| 1909..... | 7,012  | 1,188                     | 2,491                         | 1,730                            | 438                              | 715                          | 288                              | 228                              | 85                     | 243                    | ...  |

BASIC DATA — CONTINUED

|           |        |       |       |       |       |       |     |     |     |       |        |
|-----------|--------|-------|-------|-------|-------|-------|-----|-----|-----|-------|--------|
| 1910..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1911..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1912..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1913..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1914..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1915..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1916..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1917..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1918..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1919..... | 9,837  | 1,509 | 3,349 | 2,825 | 604   | 897   | 365 | 324 | 123 | 485   | ...    |
| 1920..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1921..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1922..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1923..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1924..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1925..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1926..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1927..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1928..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1929..... | 9,660  | 1,246 | 3,003 | 2,949 | 567   | 1,000 | 417 | 341 | 119 | 556   | ...    |
| 1930..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1931..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1932..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1933..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1934..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1935..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1936..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1937..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1938..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1939..... | 9,527  | 1,121 | 2,758 | 2,693 | 491   | 1,111 | 410 | 331 | 89  | 523   | 1,246  |
| 1940..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1941..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1942..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | 5,190  |
| 1943..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1944..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1945..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1946..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1947..... | 14,294 | 1,475 | 3,954 | 4,323 | 786   | 1,524 | 635 | 551 | 140 | 914   | 6,004  |
| 1948..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |
| 1949..... | 13,567 | 1,323 | 3,737 | 4,009 | 779   | 1,502 | 594 | 556 | 143 | 923   | ...    |
| 1950..... | 14,467 | 1,418 | 3,906 | 4,328 | 812   | 1,604 | 640 | 586 | 155 | 1,018 | ...    |
| 1951..... | 15,310 | 1,475 | 4,064 | 4,585 | 882   | 1,668 | 674 | 636 | 165 | 1,160 | 7,782  |
| 1952..... | 15,733 | 1,482 | 4,167 | 4,629 | 947   | 1,722 | 690 | 662 | 173 | 1,260 | 7,883  |
| 1953..... | 16,693 | 1,571 | 4,362 | 5,000 | 979   | 1,783 | 738 | 717 | 184 | 1,359 | 8,046  |
| 1954..... | 15,645 | 1,431 | 4,105 | 4,458 | 937   | 1,745 | 715 | 713 | 182 | 1,357 | 8,201  |
| 1955..... | 16,336 | 1,455 | 4,189 | 4,741 | 951   | 1,840 | 760 | 747 | 202 | 1,451 | 8,233  |
| 1956..... | 16,694 | 1,488 | 4,308 | 4,749 | 974   | 1,889 | 776 | 775 | 212 | 1,524 | 11,233 |
| 1957..... | 16,621 | 1,451 | 4,271 | 4,679 | 987   | 1,879 | 772 | 783 | 216 | 1,585 | 12,144 |
| 1958..... | 15,393 | 1,360 | 3,882 | 4,084 | 933   | 1,845 | 767 | 776 | 225 | 1,526 | 9,593  |
| 1959..... | 16,029 | 1,430 | 3,968 | 4,295 | 970   | 1,920 | 802 | 792 | 239 | 1,627 | 8,801  |
| 1960..... | 16,160 | 1,430 | 4,006 | 4,322 | 959   | 1,941 | 803 | 791 | 254 | 1,655 | 10,070 |
| 1961..... | 15,728 | 1,416 | 3,851 | 4,097 | 935   | 1,924 | 796 | 789 | 262 | 1,647 | 9,764  |
| 1962..... | 16,163 | 1,435 | 3,892 | 4,248 | 961   | 1,988 | 832 | 809 | 271 | 1,721 | 10,424 |
| 1963..... | 16,973 | 1,429 | 4,075 | 4,485 | 1,017 | 2,133 | 895 | 859 | 284 | 1,797 | 11,072 |
| 1964..... | 17,280 | 1,421 | 4,103 | 4,626 | 1,046 | 2,181 | 924 | 909 | 282 | 1,785 | 13,436 |
| 1965..... | ...    | ...   | ...   | ...   | ...   | ...   | ... | ... | ... | ...   | ...    |

## Series C102 to C112

| Year      | New capital expenditure: Census (Millions of dollars) |                                |                                   |                                   |                               |                                   |                                   |                         |                        | Realized national income: NICB, Martin (Millions of dollars) |                   |
|-----------|---|--------------------------------|-----------------------------------|-----------------------------------|-------------------------------|-----------------------------------|-----------------------------------|-------------------------|------------------------|--|-------------------|
|           | C102. New England Division                            | C103. Middle Atlantic Division | C104. East North Central Division | C105. West North Central Division | C106. South Atlantic Division | C107. East South Central Division | C108. West South Central Division | C109. Mountain Division | C110. Pacific Division | C111. Total  | C112. Agriculture |
| 1860..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1861..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1862..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1863..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1864..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1865..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1866..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1867..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1868..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1869..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 6,827                  | 1,517  | ...               |
| 1870..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1871..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1872..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1873..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1874..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1875..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1876..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1877..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1878..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1879..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 7,227                  | 1,371  | ...               |
| 1880..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1881..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1882..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1883..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1884..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1885..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1886..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1887..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1888..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1889..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 10,701                 | 1,517  | ...               |
| 1890..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1891..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1892..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1893..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1894..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1895..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1896..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1897..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1898..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | ...                    | ...  | ...               |
| 1899..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 15,364                 | 2,933  | ...               |
| 1900..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 16,158                 | 3,034  | ...               |
| 1901..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 17,170                 | 3,153  | ...               |
| 1902..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 18,444                 | 3,335  | ...               |
| 1903..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 19,595                 | 3,439  | ...               |
| 1904..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 20,090                 | 3,708  | ...               |
| 1905..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 21,428                 | 3,678  | ...               |
| 1906..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 23,165                 | 4,029  | ...               |
| 1907..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 24,403                 | 4,214  | ...               |
| 1908..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 23,458                 | 4,621  | ...               |
| 1909..... | ...   | ...                            | ...                               | ...                               | ...                           | ...                               | ...                               | ...                     | 26,456                 | 5,311  | ...               |

BASIC DATA - CONTINUED



|           |     |       |       |     |       |     |       |     |       |        |        |
|-----------|-----|-------|-------|-----|-------|-----|-------|-----|-------|--------|--------|
| 1910..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 28,166 | 5,563  |
| 1911..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 28,104 | 5,241  |
| 1912..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 29,422 | 5,679  |
| 1913..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 31,450 | 5,559  |
| 1914..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 31,213 | 5,518  |
| 1915..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 32,533 | 5,921  |
| 1916..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 38,739 | 7,072  |
| 1917..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 46,376 | 9,590  |
| 1918..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 56,956 | 11,595 |
| 1919..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 62,945 | 12,699 |
| 1920..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 68,434 | 10,569 |
| 1921..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 56,689 | 7,569  |
| 1922..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 57,171 | 7,037  |
| 1923..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 65,662 | 7,907  |
| 1924..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 67,003 | 8,526  |
| 1925..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 70,051 | 9,048  |
| 1926..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 73,523 | 8,614  |
| 1927..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 73,966 | 8,599  |
| 1928..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 75,904 | 8,756  |
| 1929..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 79,498 | 8,720  |
| 1930..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 72,398 | 6,761  |
| 1931..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 60,203 | 4,476  |
| 1932..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 46,708 | 3,040  |
| 1933..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 44,713 | 3,771  |
| 1934..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 51,560 | 4,661  |
| 1935..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 56,254 | 5,517  |
| 1936..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 65,246 | 6,378  |
| 1937..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | 69,419 | 6,757  |
| 1938..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1939..... | 102 | 306   | 423   | 56  | 138   | 49  | 74    | 16  | 81    | ...    | ...    |
| 1940..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1941..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1942..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1943..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1944..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1945..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1946..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1947..... | 419 | 1,335 | 1,869 | 340 | 678   | 256 | 458   | 95  | 554   | ...    | ...    |
| 1948..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1949..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1950..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |
| 1951..... | 452 | 1,743 | 2,457 | 371 | 871   | 340 | 718   | 124 | 706   | ...    | ...    |
| 1952..... | 420 | 1,778 | 2,466 | 327 | 754   | 377 | 951   | 127 | 683   | ...    | ...    |
| 1953..... | 390 | 1,622 | 2,643 | 387 | 851   | 399 | 883   | 122 | 751   | ...    | ...    |
| 1954..... | 424 | 1,607 | 2,727 | 400 | 833   | 430 | 766   | 125 | 841   | ...    | ...    |
| 1955..... | 471 | 1,584 | 2,670 | 406 | 1,091 | 349 | 581   | 207 | 827   | ...    | ...    |
| 1956..... | 574 | 2,041 | 3,742 | 536 | 1,504 | 598 | 869   | 272 | 1,098 | ...    | ...    |
| 1957..... | 618 | 2,212 | 3,825 | 559 | 1,523 | 723 | 1,257 | 219 | 1,208 | ...    | ...    |
| 1958..... | 533 | 2,010 | 2,750 | 561 | 1,065 | 530 | 901   | 186 | 1,024 | ...    | ...    |
| 1959..... | 556 | 1,817 | 2,470 | 516 | 1,052 | 483 | 711   | 179 | 931   | ...    | ...    |
| 1960..... | 618 | 2,056 | 2,989 | 517 | 1,214 | 571 | 786   | 224 | 1,095 | ...    | ...    |
| 1961..... | 594 | 1,892 | 2,698 | 545 | 1,322 | 521 | 928   | 232 | 1,033 | ...    | ...    |
| 1962..... | 660 | 2,057 | 2,738 | 590 | 1,490 | 573 | 857   | 232 | 1,228 | ...    | ...    |
| 1963..... | 637 | 2,091 | 3,171 | 643 | 1,465 | 711 | 858   | 235 | 1,261 | ...    | ...    |
| 1964..... | 695 | 2,353 | 4,306 | 740 | 1,696 | 878 | 1,120 | 250 | 1,369 | ...    | ...    |
| 1965..... | ... | ...   | ...   | ... | ...   | ... | ...   | ... | ...   | ...    | ...    |

## Series C113 to C123

| Year      | Realized national income: NICB, Martin (Millions of dollars) |                             |                     |  |  |             |                                 |                |                  | Net income originating: NBER, Kuznets (Millions of dollars) |                   |
|-----------|--|-----------------------------|---------------------|--|--|-------------|---------------------------------|----------------|------------------|---|-------------------|
|           | C113. Mining and quarrying                                   | C114. Contract construction | C115. Manufacturing | C116. Transportation and communication | C117. Electric light and power and gas | C118. Trade | C119. Finance and miscellaneous | C120. Services | C121. Government | C122. Total   | C123. Agriculture |
| 1860..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1861..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1862..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1863..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1864..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1865..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1866..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1867..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1868..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1869..... | 102  | 387                         | 1,000               | 718                                    | 23                                     | 1,039       | 783                             | 968            | 290              | ...   | ...               |
| 1870..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1871..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1872..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1873..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1874..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1875..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1876..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1877..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1878..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1879..... | 153  | 360                         | 960                 | 896                                    | 33                                     | 1,166       | 867                             | 1,099          | 322              | ...   | ...               |
| 1880..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1881..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1882..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1883..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1884..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1885..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1886..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1887..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1888..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1889..... | 232  | 631                         | 2,022               | 1,154                                  | 44                                     | 1,803       | 1,399                           | 1,341          | 558              | ...   | ...               |
| 1890..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1891..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1892..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1893..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1894..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1895..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1896..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1897..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1898..... | ...  | ...                         | ...                 | ...                                    | ...                                    | ...         | ...                             | ...            | ...              | ...   | ...               |
| 1899..... | 416  | 655                         | 2,714               | 1,528                                  | 58                                     | 2,578       | 1,872                           | 1,745          | 1,005            | ...   | ...               |
| 1900..... | 453  | 627                         | 2,941               | 1,626                                  | 65                                     | 2,720       | 2,006                           | 1,774          | 1,052            | ...   | ...               |
| 1901..... | 552  | 758                         | 3,193               | 1,720                                  | 75                                     | 2,858       | 2,163                           | 1,786          | 1,052            | ...   | ...               |
| 1902..... | 494  | 839                         | 3,605               | 1,820                                  | 77                                     | 3,098       | 2,460                           | 1,820          | 1,036            | ...   | ...               |
| 1903..... | 671  | 852                         | 3,812               | 1,968                                  | 89                                     | 3,272       | 2,672                           | 1,869          | 1,091            | ...   | ...               |
| 1904..... | 645  | 919                         | 3,519               | 2,081                                  | 99                                     | 3,380       | 2,850                           | 1,904          | 1,125            | ...   | ...               |
| 1905..... | 746  | 1,052                       | 4,032               | 2,210                                  | 103                                    | 3,692       | 2,961                           | 1,939          | 1,155            | ...   | ...               |
| 1906..... | 835  | 1,183                       | 4,377               | 2,431                                  | 120                                    | 4,019       | 3,163                           | 1,973          | 1,175            | ...   | ...               |
| 1907..... | 1,049  | 1,096                       | 4,743               | 2,544                                  | 134                                    | 4,168       | 3,297                           | 2,064          | 1,234            | ...   | ...               |
| 1908..... | 771  | 888                         | 4,046               | 2,524                                  | 139                                    | 3,894       | 3,270                           | 2,113          | 1,332            | ...   | ...               |
| 1909..... | 859  | 1,153                       | 4,824               | 2,648                                  | 157                                    | 4,310       | 3,252                           | 2,544          | 1,398            | ...   | ...               |

BASIC DATA - CONTINUED

|           |       |       |        |       |       |        |        |       |        |        |        |
|-----------|-------|-------|--------|-------|-------|--------|--------|-------|--------|--------|--------|
| 1910..... | 949   | 1,136 | 5,447  | 2,853 | 168   | 4,496  | 3,513  | 2,557 | 1,484  | ...    | ...    |
| 1911..... | 949   | 1,108 | 5,458  | 2,945 | 192   | 4,548  | 3,592  | 2,514 | 1,557  | ...    | ...    |
| 1912..... | 1,039 | 1,224 | 5,996  | 3,106 | 211   | 4,425  | 3,724  | 2,371 | 1,647  | ...    | ...    |
| 1913..... | 1,183 | 1,312 | 6,415  | 3,260 | 228   | 5,081  | 3,968  | 2,692 | 1,752  | ...    | ...    |
| 1914..... | 1,008 | 980   | 6,012  | 3,248 | 250   | 5,508  | 3,987  | 2,832 | 1,870  | ...    | ...    |
| 1915..... | 1,016 | 976   | 6,401  | 3,346 | 268   | 5,677  | 4,127  | 2,837 | 1,964  | ...    | ...    |
| 1916..... | 1,452 | 1,080 | 8,747  | 3,727 | 299   | 6,220  | 5,033  | 3,039 | 2,070  | ...    | ...    |
| 1917..... | 1,773 | 1,056 | 10,843 | 4,269 | 332   | 6,978  | 5,478  | 3,357 | 2,700  | ...    | ...    |
| 1918..... | 2,019 | 1,132 | 13,076 | 5,410 | 373   | 7,842  | 6,049  | 3,830 | 5,630  | ...    | ...    |
| 1919..... | 1,910 | 1,633 | 14,340 | 6,089 | 429   | 9,177  | 6,793  | 4,465 | 5,410  | 67,854 | 10,862 |
| 1920..... | 2,628 | 2,224 | 16,811 | 7,474 | 480   | 10,048 | 7,747  | 5,436 | 5,017  | 72,408 | 9,077  |
| 1921..... | 1,982 | 1,720 | 11,759 | 6,282 | 500   | 8,511  | 7,637  | 5,422 | 5,307  | 53,934 | 5,538  |
| 1922..... | 1,845 | 2,092 | 12,303 | 6,217 | 569   | 8,831  | 7,502  | 5,366 | 5,409  | 62,390 | 5,861  |
| 1923..... | 2,613 | 2,824 | 15,285 | 6,808 | 715   | 9,725  | 8,284  | 5,929 | 5,572  | 73,068 | 6,729  |
| 1924..... | 2,276 | 2,874 | 14,591 | 6,800 | 854   | 9,977  | 8,957  | 6,468 | 5,680  | 73,223 | 7,114  |
| 1925..... | 2,243 | 3,023 | 15,410 | 6,978 | 937   | 10,405 | 9,328  | 6,777 | 5,902  | 78,195 | 7,946  |
| 1926..... | 2,573 | 3,144 | 16,186 | 7,191 | 1,036 | 10,878 | 10,053 | 7,508 | 6,340  | 81,107 | 7,534  |
| 1927..... | 2,322 | 3,096 | 16,282 | 7,243 | 1,117 | 10,709 | 10,418 | 7,600 | 6,580  | 80,613 | 7,458  |
| 1928..... | 2,098 | 3,257 | 16,920 | 7,166 | 1,261 | 10,874 | 11,008 | 7,951 | 6,613  | 83,336 | 7,330  |
| 1929..... | 2,295 | 3,225 | 18,059 | 7,451 | 1,392 | 11,446 | 11,711 | 8,378 | 6,819  | 87,901 | 7,708  |
| 1930..... | 1,918 | 2,910 | 15,958 | 7,012 | 1,559 | 10,628 | 10,671 | 7,889 | 7,093  | 73,144 | 5,814  |
| 1931..... | 1,323 | 1,945 | 12,376 | 6,049 | 1,478 | 9,126  | 9,223  | 6,889 | 7,317  | 55,572 | 4,041  |
| 1932..... | 929   | 932   | 8,528  | 4,807 | 1,339 | 6,992  | 7,312  | 5,409 | 7,420  | 39,548 | 2,821  |
| 1933..... | 902   | 762   | 8,428  | 4,445 | 1,156 | 6,132  | 6,436  | 4,893 | 7,785  | 42,669 | 3,554  |
| 1934..... | 1,172 | 928   | 10,471 | 4,790 | 1,143 | 6,853  | 6,801  | 5,404 | 9,337  | 50,982 | 4,749  |
| 1935..... | 1,243 | 1,043 | 11,720 | 5,110 | 1,158 | 7,309  | 7,000  | 6,016 | 10,135 | 55,308 | 5,380  |
| 1936..... | 1,481 | 1,447 | 14,138 | 5,605 | 1,212 | 7,704  | 7,753  | 6,658 | 12,870 | 63,253 | 6,089  |
| 1937..... | 1,743 | 1,806 | 16,629 | 5,934 | 1,264 | 8,414  | 8,176  | 7,130 | 11,566 | 70,847 | 6,274  |
| 1938..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | 63,836 | 5,457  |
| 1939..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1940..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1941..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1942..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1943..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1944..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1945..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1946..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1947..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1948..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1949..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1950..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1951..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1952..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1953..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1954..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1955..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1956..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1957..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1958..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1959..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1960..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1961..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1962..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1963..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1964..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |
| 1965..... | ...   | ...   | ...    | ...   | ...   | ...    | ...    | ...   | ...    | ...    | ...    |

## Series C124 to C134

| Year      | Net income originating: NBER, Kuznets (Millions of dollars) |                         |                          |   |             |   |                |                       | National income: OBE <sup>1</sup><br>(Millions of dollars) |                                      |             |
|-----------|---|-------------------------|--------------------------|---|-------------|---|----------------|-----------------------|--|--------------------------------------|-------------|
|           | C124. Mining  | C125. Construc-<br>tion | C126. Manufac-<br>turing | C127. Transpor-<br>tation and other<br>public utilities | C128. Trade | C129. Finance<br>and miscel-<br>laneous | C130. Services | C131. Govern-<br>ment | C132. Total  | Agriculture, forestry, and fisheries |             |
|           |   |                         |                          |   |             |   |                |                       |  | C133. Total                          | C134. Farms |
| 1917..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | ...  | ...                                  | ...         |
| 1918..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | ...  | ...                                  | ...         |
| 1919..... | 1,723   | 2,070                   | 17,082                   | 5,963   | 11,111      | 9,144                                   | 6,129          | 3,768                 | ...  | ...                                  | ...         |
| 1920..... | 2,488   | 2,610                   | 17,702                   | 7,348   | 9,498       | 9,812                                   | 6,852          | 7,017                 | ...  | ...                                  | ...         |
| 1921..... | 1,352   | 1,859                   | 9,814                    | 6,087   | 6,788       | 9,636                                   | 6,652          | 6,205                 | ...  | ...                                  | ...         |
| 1922..... | 1,456   | 2,358                   | 13,455                   | 6,215   | 8,964       | 10,561                                  | 7,382          | 6,136                 | ...  | ...                                  | ...         |
| 1923..... | 1,975   | 3,382                   | 16,914                   | 7,094   | 10,154      | 11,515                                  | 8,260          | 7,042                 | ...  | ...                                  | ...         |
| 1924..... | 1,697   | 3,712                   | 15,427                   | 7,080   | 9,886       | 12,382                                  | 8,644          | 7,277                 | ...  | ...                                  | ...         |
| 1925..... | 1,886   | 3,952                   | 16,880                   | 7,564   | 10,481      | 12,812                                  | 9,306          | 7,365                 | ...  | ...                                  | ...         |
| 1926..... | 2,172   | 4,240                   | 17,323                   | 7,888   | 10,658      | 13,062                                  | 10,114         | 8,113                 | ...  | ...                                  | ...         |
| 1927..... | 1,749   | 4,036                   | 16,817                   | 7,790   | 10,390      | 13,569                                  | 10,318         | 8,483                 | ...  | ...                                  | ...         |
| 1928..... | 1,661   | 4,014                   | 17,949                   | 8,045   | 10,840      | 14,523                                  | 10,680         | 8,289                 | ...  | ...                                  | ...         |
| 1929..... | 1,821   | 4,085                   | 19,504                   | 8,511   | 11,105      | 15,000                                  | 11,289         | 8,873                 | 86,795   | 8,473                                | 8,278       |
| 1930..... | 1,319   | 3,377                   | 14,094                   | 7,625   | 9,225       | 12,356                                  | 10,411         | 8,920                 | 75,382   | 6,400                                | 6,218       |
| 1931..... | 738   | 2,124                   | 9,307                    | 6,366   | 7,410       | 9,446                                   | 8,727          | 7,410                 | 59,669   | 5,165                                | 4,997       |
| 1932..... | 463   | 1,042                   | 5,380                    | 4,867   | 5,453       | 6,946                                   | 6,398          | 6,175                 | 42,785   | 3,506                                | 3,373       |
| 1933..... | 513   | 727                     | 7,480                    | 4,720   | 6,128       | 6,268                                   | 5,771          | 7,503                 | 40,312   | 3,872                                | 3,749       |
| 1934..... | 898   | 856                     | 9,928                    | 4,833   | 7,368       | 7,402                                   | 6,758          | 8,188                 | 49,515   | 4,236                                | 4,116       |
| 1935..... | 950   | 1,062                   | 11,816                   | 5,149   | 7,721       | 8,360                                   | 7,363          | 7,504                 | 57,208   | 6,650                                | 6,507       |
| 1936..... | 1,210   | 1,584                   | 14,322                   | 5,843   | 8,563       | 9,124                                   | 8,298          | 8,216                 | 65,013   | 5,749                                | 5,610       |
| 1937..... | 1,440   | 1,842                   | 16,237                   | 6,212   | 9,156       | 9,829                                   | 9,130          | 10,724                | 73,650   | 7,597                                | 7,412       |
| 1938..... | 1,099   | 1,691                   | 11,959                   | 5,513   | 8,863       | 9,564                                   | 8,872          | 10,815                | 67,372   | 5,945                                | 5,779       |
| 1939..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 72,564   | 6,026                                | 5,854       |
| 1940..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 81,124   | 6,141                                | 5,967       |
| 1941..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 104,222  | 8,401                                | 8,200       |
| 1942..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 137,065  | 12,166                               | 11,911      |
| 1943..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 170,322  | 14,398                               | 14,119      |
| 1944..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 182,592  | 14,495                               | 14,164      |
| 1945..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 181,485  | 15,204                               | 14,841      |
| 1946..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 181,879  | 18,237                               | 17,823      |
| 1947..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 199,018  | 18,861                               | 18,397      |
| 1948..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 224,178  | 21,623                               | 20,974      |
| 1949..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 217,494  | 16,593                               | 15,922      |
| 1950..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 241,074  | 17,601                               | 16,883      |
| 1951..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 277,978  | 20,104                               | 19,316      |
| 1952..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 291,380  | 19,211                               | 18,356      |
| 1953..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 304,734  | 17,156                               | 16,284      |
| 1954..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 303,138  | 16,443                               | 15,515      |
| 1955..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 331,018  | 15,430                               | 14,500      |
| 1956..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 350,799  | 15,484                               | 14,530      |
| 1957..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 366,096  | 15,509                               | 14,563      |
| 1958..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 367,762  | 17,910                               | 16,941      |
| 1959..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 400,025  | 16,035                               | 15,070      |
| 1960..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 414,522  | 16,852                               | 15,857      |
| 1961..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 427,341  | 17,932                               | 16,898      |
| 1962..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 457,687  | 18,455                               | 17,301      |
| 1963..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 481,927  | 18,587                               | 17,404      |
| 1964..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 517,281  | 17,683                               | 16,398      |
| 1965..... | ...   | ...                     | ...                      | ...   | ...         | ...                                     | ...            | ...                   | 559,020  | 21,028                               | 19,671      |

BASIC DATA — CONTINUED

Series C135 to C145

| Year      | National income: OBE (Millions of dollars)       |             |                    |                   |                                       |  |                             |                            |                                |                                 |                        |     |
|-----------|--|-------------|--------------------|-------------------|---------------------------------------|--|-----------------------------|----------------------------|--------------------------------|---------------------------------|------------------------|-----|
|           | C135. Agricultural services, forestry, fisheries | Mining      |                    |                   |                                       |  | C141. Contract construction | C142. Manufacturing, total | Manufacturing—nondurable goods |                                 |                        |     |
|           |  | C136. Total | C137. Metal mining | C138. Coal mining | C139. Crude petroleum and natural gas | C140. Mining and quarrying of nonmetallic minerals |                             |                            | C143. Total                    | C144. Food and kindred products | C145. Tobacco products |     |
| 1917..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1918..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1919..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1920..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1921..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1922..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1923..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1924..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1925..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1926..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1927..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1928..... | ...  | ...         | ...                | ...               | ...                                   | ...  | ...                         | ...                        | ...                            | ...                             | ...                    | ... |
| 1929..... | 195  | 2,101       | 466                | 932               | 499                                   | 204  | 3,835                       | 21,945                     | 10,642                         | 2,128                           | 256                    | ... |
| 1930..... | 182  | 1,660       | 276                | 814               | 377                                   | 193  | 3,199                       | 18,296                     | 9,761                          | 2,392                           | 299                    | ... |
| 1931..... | 168  | 960         | 107                | 605               | 137                                   | 111  | 2,220                       | 12,482                     | 7,525                          | 1,865                           | 325                    | ... |
| 1932..... | 133  | 681         | 23                 | 396               | 210                                   | 52   | 1,081                       | 7,334                      | 5,248                          | 1,420                           | 316                    | ... |
| 1933..... | 123  | 628         | 39                 | 390               | 157                                   | 42   | 788                         | 7,705                      | 4,944                          | 1,358                           | 152                    | ... |
| 1934..... | 120  | 1,145       | 125                | 591               | 358                                   | 71   | 1,118                       | 11,100                     | 6,488                          | 1,637                           | 159                    | ... |
| 1935..... | 143  | 1,217       | 166                | 585               | 383                                   | 83   | 1,342                       | 13,390                     | 7,313                          | 1,895                           | 211                    | ... |
| 1936..... | 139  | 1,547       | 262                | 679               | 490                                   | 116  | 2,042                       | 16,294                     | 8,224                          | 2,096                           | 142                    | ... |
| 1937..... | 185  | 1,990       | 453                | 737               | 657                                   | 143  | 2,104                       | 19,450                     | 9,591                          | 2,418                           | 202                    | ... |
| 1938..... | 166  | 1,544       | 277                | 577               | 584                                   | 106  | 2,005                       | 15,151                     | 8,407                          | 2,268                           | 229                    | ... |
| 1939..... | 172  | 1,633       | 345                | 628               | 529                                   | 131  | 2,342                       | 18,094                     | 9,093                          | 2,302                           | 309                    | ... |
| 1940..... | 174  | 1,932       | 443                | 761               | 576                                   | 152  | 2,589                       | 22,481                     | 10,314                         | 2,480                           | 267                    | ... |
| 1941..... | 201  | 2,360       | 505                | 971               | 678                                   | 206  | 4,219                       | 33,211                     | 12,894                         | 2,763                           | 230                    | ... |
| 1942..... | 255  | 2,588       | 581                | 1,182             | 571                                   | 254  | 6,491                       | 45,437                     | 16,584                         | 3,706                           | 190                    | ... |
| 1943..... | 279  | 2,764       | 498                | 1,347             | 668                                   | 251  | 5,477                       | 58,253                     | 19,647                         | 4,402                           | 192                    | ... |
| 1944..... | 331  | 2,960       | 403                | 1,502             | 825                                   | 230  | 4,146                       | 60,331                     | 21,006                         | 4,954                           | 284                    | ... |
| 1945..... | 363  | 2,794       | 334                | 1,412             | 819                                   | 229  | 4,292                       | 52,186                     | 21,222                         | 5,005                           | 236                    | ... |
| 1946..... | 414  | 3,011       | 287                | 1,535             | 882                                   | 307  | 6,498                       | 49,134                     | 24,864                         | 5,542                           | 320                    | ... |
| 1947..... | 464  | 4,241       | 491                | 2,132             | 1,233                                 | 385  | 8,425                       | 59,496                     | 28,035                         | 5,819                           | 356                    | ... |
| 1948..... | 649  | 5,434       | 610                | 2,449             | 1,921                                 | 454  | 10,612                      | 68,707                     | 32,886                         | 7,621                           | 416                    | ... |
| 1949..... | 671  | 4,543       | 482                | 1,715             | 1,881                                 | 465  | 10,534                      | 64,767                     | 30,532                         | 7,445                           | 495                    | ... |
| 1950..... | 718  | 5,249       | 651                | 1,997             | 2,062                                 | 539  | 11,901                      | 76,223                     | 33,345                         | 7,723                           | 468                    | ... |
| 1951..... | 788  | 5,741       | 745                | 2,114             | 2,260                                 | 622  | 14,099                      | 90,230                     | 38,391                         | 8,174                           | 546                    | ... |
| 1952..... | 855  | 5,498       | 678                | 1,830             | 2,357                                 | 633  | 15,204                      | 92,490                     | 38,229                         | 8,856                           | 586                    | ... |
| 1953..... | 872  | 5,439       | 785                | 1,707             | 2,286                                 | 661  | 15,586                      | 100,355                    | 40,292                         | 9,302                           | 702                    | ... |
| 1954..... | 928  | 5,252       | 732                | 1,301             | 2,508                                 | 711  | 15,572                      | 94,583                     | 39,687                         | 9,416                           | 691                    | ... |
| 1955..... | 930  | 5,881       | 931                | 1,448             | 2,708                                 | 794  | 16,640                      | 107,868                    | 44,025                         | 10,300                          | 706                    | ... |
| 1956..... | 954  | 6,556       | 1,030              | 1,745             | 2,916                                 | 867  | 18,525                      | 113,072                    | 46,239                         | 10,352                          | 750                    | ... |
| 1957..... | 946  | 6,504       | 907                | 1,764             | 3,008                                 | 825  | 19,276                      | 116,251                    | 46,374                         | 10,674                          | 814                    | ... |
| 1958..... | 969  | 5,697       | 716                | 1,393             | 2,791                                 | 797  | 18,991                      | 107,741                    | 45,715                         | 11,098                          | 878                    | ... |
| 1959..... | 965  | 5,523       | 587                | 1,306             | 2,772                                 | 858  | 20,476                      | 124,040                    | 51,103                         | 11,943                          | 981                    | ... |
| 1960..... | 995  | 5,732       | 817                | 1,253             | 2,734                                 | 928  | 20,810                      | 125,822                    | 52,208                         | 12,225                          | 1,017                  | ... |
| 1961..... | 1,034  | 5,747       | 855                | 1,183             | 2,850                                 | 859  | 21,477                      | 125,051                    | 52,757                         | 12,537                          | 1,055                  | ... |
| 1962..... | 1,154  | 5,653       | 758                | 1,141             | 2,811                                 | 943  | 22,834                      | 136,988                    | 55,609                         | 12,832                          | 1,136                  | ... |
| 1963..... | 1,183  | 5,954       | 785                | 1,212             | 2,917                                 | 1,040  | 24,198                      | 143,839                    | 57,508                         | 13,409                          | 1,216                  | ... |
| 1964..... | 1,285  | 5,950       | 863                | 1,284             | 2,658                                 | 1,125  | 26,419                      | 155,078                    | 61,484                         | 14,252                          | 1,202                  | ... |
| 1965..... | 1,357  | 6,432       | 1,025              | 1,361             | 2,775                                 | 1,271  | 28,328                      | 170,408                    | 65,632                         | 14,480                          | 1,191                  | ... |

The industrial classification for 1929-47 is based on the 1942 Standard Industrial Classification system; for 1948-65 on the 1957 SIC system.

## Series C146 to C156

| Year      | National income: OBE (Millions of dollars) |   |                                 |   |                                     |   |   |                                    |             |  |                              |
|-----------|--|---|---------------------------------|---|-------------------------------------|---|---|------------------------------------|-------------|--|------------------------------|
|           | Manufacturing—nondurable goods             |   |                                 |   |                                     |   |   | Manufacturing—durable goods        |             |  |                              |
|           | C146. Textile mill products                | C147. Apparel and other fabricated textile products | C148. Paper and allied products | C149. Printing, publishing, and allied industries | C150. Chemicals and allied products | C151. Petroleum refining and related industries | C152. Rubber and miscellaneous plastic products | C153. Leather and leather products | C154. Total | C155. Lumber and wood products, except furniture | C156. Furniture and fixtures |
| 1917..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1918..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1919..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1920..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1921..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1922..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1923..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1924..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1925..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1926..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1927..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1928..... | ...  | ...   | ...                             | ...   | ...                                 | ...   | ...   | ...                                | ...         | ...  |                              |
| 1929..... | 1,793                                      | 1,270   | 558                             | 1,588   | 1,123                               | 959   | 365   | 602                                | 11,303      | 1,534  |                              |
| 1930..... | 1,406                                      | 1,013   | 502                             | 1,503   | 1,034                               | 836   | 282   | 494                                | 8,535       | 1,126  |                              |
| 1931..... | 1,151                                      | 821   | 387                             | 1,224   | 831                                 | 291   | 238   | 392                                | 4,957       | 657  |                              |
| 1932..... | 720  | 516   | 269                             | 890   | 566                                 | 117   | 122   | 312                                | 2,086       | 337  |                              |
| 1933..... | 708  | 561   | 290                             | 809   | 626                                 | 55  | 110   | 275                                | 2,761       | 318  |                              |
| 1934..... | 1,114                                      | 808   | 418                             | 949   | 733                                 | 111   | 140   | 419                                | 4,612       | 565  |                              |
| 1935..... | 1,209                                      | 867   | 460                             | 1,050   | 811                                 | 211   | 217   | 382                                | 6,077       | 683  |                              |
| 1936..... | 1,365                                      | 987   | 503                             | 1,183   | 963                                 | 339   | 216   | 430                                | 8,070       | 900  |                              |
| 1937..... | 1,607                                      | 1,009   | 564                             | 1,259   | 1,168                               | 604   | 294   | 466                                | 9,859       | 1,077  |                              |
| 1938..... | 1,101                                      | 932   | 572                             | 1,146   | 1,008                               | 538   | 207   | 406                                | 6,744       | 860  |                              |
| 1939..... | 1,267                                      | 1,043   | 555                             | 1,221   | 1,203                               | 480   | 280   | 433                                | 9,001       | 1,010  |                              |
| 1940..... | 1,515                                      | 1,152   | 664                             | 1,264   | 1,492                               | 691   | 324   | 465                                | 12,167      | 1,164  |                              |
| 1941..... | 2,072                                      | 1,476   | 1,029                           | 1,375   | 1,943                               | 889   | 496   | 621                                | 20,317      | 1,702  |                              |
| 1942..... | 2,856                                      | 1,937   | 1,123                           | 1,445   | 2,776                               | 1,174   | 597   | 780                                | 28,853      | 1,982  |                              |
| 1943..... | 3,017                                      | 2,424   | 1,256                           | 1,748   | 3,350                               | 1,499   | 899   | 860                                | 38,606      | 2,095  |                              |
| 1944..... | 2,965                                      | 2,707   | 1,347                           | 2,030   | 3,350                               | 1,465   | 1,020   | 884                                | 39,325      | 2,186  |                              |
| 1945..... | 3,012                                      | 2,915   | 1,339                           | 2,235   | 3,216                               | 1,410   | 929   | 925                                | 30,964      | 2,136  |                              |
| 1946..... | 4,008                                      | 3,365   | 1,716                           | 2,705   | 3,278                               | 1,764   | 1,083   | 1,083                              | 24,270      | 2,856  |                              |
| 1947..... | 4,655                                      | 3,398   | 2,221                           | 3,061   | 3,768                               | 2,504   | 1,134   | 1,119                              | 31,461      | 3,509  |                              |
| 1948..... | 5,030                                      | 3,598   | 2,349                           | 3,353   | 4,107                               | 3,893   | 1,263   | 1,254                              | 35,821      | 2,776  | 1,189                        |
| 1949..... | 4,011                                      | 3,426   | 2,180                           | 3,499   | 4,149                               | 3,059   | 1,150   | 1,118                              | 34,235      | 2,334  | 1,162                        |
| 1950..... | 4,401                                      | 3,524   | 2,703                           | 3,687   | 4,944                               | 3,457   | 1,313   | 1,125                              | 42,878      | 2,953  | 1,399                        |
| 1951..... | 5,047                                      | 3,916   | 3,382                           | 3,926   | 5,990                               | 4,142   | 1,921   | 1,347                              | 51,839      | 3,332  | 1,533                        |
| 1952..... | 4,462                                      | 4,021   | 3,146                           | 4,183   | 5,775                               | 3,833   | 2,009   | 1,358                              | 54,261      | 3,106  | 1,599                        |
| 1953..... | 4,287                                      | 4,158   | 3,331                           | 4,530   | 6,090                               | 4,458   | 2,071   | 1,363                              | 60,063      | 3,034  | 1,612                        |
| 1954..... | 3,701                                      | 3,956   | 3,404                           | 4,709   | 6,236                               | 4,448   | 1,774   | 1,352                              | 54,896      | 2,882  | 1,552                        |
| 1955..... | 4,183                                      | 4,198   | 3,805                           | 5,137   | 7,352                               | 4,784   | 2,166   | 1,394                              | 63,843      | 3,385  | 1,802                        |
| 1956..... | 4,263                                      | 4,485   | 4,293                           | 5,478   | 7,615                               | 5,084   | 2,427   | 1,492                              | 66,833      | 3,424  | 1,923                        |
| 1957..... | 4,050                                      | 4,424   | 4,118                           | 5,798   | 7,981                               | 4,526   | 2,485   | 1,504                              | 69,877      | 2,973  | 1,933                        |
| 1958..... | 3,868                                      | 4,412   | 4,061                           | 5,727   | 7,820                               | 4,071   | 2,371   | 1,409                              | 62,026      | 2,929  | 1,801                        |
| 1959..... | 4,477                                      | 4,732   | 4,602                           | 6,277   | 9,172                               | 4,597   | 2,766   | 1,556                              | 72,937      | 3,454  | 2,067                        |
| 1960..... | 4,488                                      | 4,953   | 4,707                           | 6,655   | 9,159                               | 4,586   | 2,809   | 1,609                              | 73,614      | 3,255  | 2,092                        |
| 1961..... | 4,242                                      | 5,058   | 4,856                           | 6,755   | 9,418                               | 4,501   | 2,811   | 1,524                              | 72,294      | 3,048  | 2,065                        |
| 1962..... | 4,664                                      | 5,489   | 5,112                           | 7,119   | 9,910                               | 4,489   | 3,172   | 1,686                              | 81,379      | 3,289  | 2,260                        |
| 1963..... | 4,713                                      | 5,672   | 5,163                           | 7,312   | 10,402                              | 4,597   | 3,286   | 1,738                              | 86,331      | 3,549  | 2,363                        |
| 1964..... | 5,204                                      | 6,075   | 5,495                           | 8,006   | 11,212                              | 4,667   | 3,590   | 1,781                              | 93,594      | 3,912  | 2,546                        |
| 1965..... | 5,854                                      | 6,563   | 5,734                           | 8,615   | 12,332                              | 5,063   | 3,984   | 1,816                              | 104,776     | 4,122  | 2,850                        |



## Series C157 to C167

| Year      | National income: OBE (Millions of dollars) |                                |                                 |                                    |                            |  |  |                   |  |                |                               |
|-----------|--|--------------------------------|---------------------------------|------------------------------------|----------------------------|--|--|-------------------|--|----------------|-------------------------------|
|           | Manufacturing—durable goods                |                                |                                 |                                    |                            |  |  |                   |  | Transportation |                               |
|           | C157. Stone, clay, and glass products      | C158. Primary metal industries | C159. Fabricated metal products | C160. Machinery, except electrical | C161. Electrical machinery | C162. Transportation equipment and ordnance, except motor vehicles | C163. Motor vehicles and motor vehicle equipment | C164. Instruments | C165. Miscellaneous manufacturing industries | C166. Total    | C167. Railroad transportation |
| 1918..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1919..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1920..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1921..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1922..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1923..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1924..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1925..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1926..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1927..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1928..... | ...  | ...                            | ...                             | ...                                | ...                        | ...  | ...  | ...               | ...  | ...            | ...                           |
| 1929..... | 802  | 3,718                          | 1,891                           | 1,047                              | 320                        | 1,384  | ...  | ...               | 6,005  | 4,561          | ...                           |
| 1930..... | 616  | 2,846                          | 1,483                           | 826                                | 293                        | 841  | ...  | ...               | 5,594  | 3,746          | ...                           |
| 1931..... | 444  | 1,532                          | 757                             | 508                                | 151                        | 561  | ...  | ...               | 4,363  | 2,816          | ...                           |
| 1932..... | 131  | 625                            | 304                             | 250                                | 99                         | 168  | ...  | ...               | 3,216  | 1,974          | ...                           |
| 1933..... | 215  | 859                            | 426                             | 279                                | 80                         | 382  | ...  | ...               | 3,038  | 1,861          | ...                           |
| 1934..... | 338  | 1,488                          | 739                             | 383                                | 131                        | 649  | ...  | ...               | 3,419  | 2,059          | ...                           |
| 1935..... | 415  | 1,954                          | 1,016                           | 529                                | 143                        | 929  | ...  | ...               | 3,693  | 2,236          | ...                           |
| 1936..... | 580  | 2,630                          | 1,399                           | 712                                | 236                        | 1,154  | ...  | ...               | 4,266  | 2,618          | ...                           |
| 1937..... | 655  | 3,305                          | 1,761                           | 914                                | 337                        | 1,299  | ...  | ...               | 4,635  | 2,802          | ...                           |
| 1938..... | 507  | 2,051                          | 1,251                           | 665                                | 268                        | 699  | ...  | ...               | 4,054  | 2,369          | ...                           |
| 1939..... | 666  | 2,867                          | 1,496                           | 858                                | 399                        | 1,183  | ...  | ...               | 4,643  | 2,734          | ...                           |
| 1940..... | 761  | 3,873                          | 2,180                           | 1,136                              | 816                        | 1,599  | ...  | ...               | 5,039  | 2,939          | ...                           |
| 1941..... | 1,072                                      | 6,288                          | 3,847                           | 1,897                              | 2,267                      | 2,349  | ...  | ...               | 6,302  | 3,774          | ...                           |
| 1942..... | 1,174                                      | 8,391                          | 5,396                           | 2,475                              | 6,217                      | 2,009  | ...  | ...               | 8,604  | 5,566          | ...                           |
| 1943..... | 1,194                                      | 11,016                         | 5,927                           | 3,357                              | 12,107                     | 1,333  | ...  | ...               | 10,791                                       | 6,969          | ...                           |
| 1944..... | 1,136                                      | 10,979                         | 5,819                           | 3,720                              | 12,465                     | 1,401  | ...  | ...               | 11,243                                       | 6,892          | ...                           |
| 1945..... | 1,146                                      | 9,074                          | 5,087                           | 3,056                              | 7,742                      | 1,116  | ...  | ...               | 10,536                                       | 5,995          | ...                           |
| 1946..... | 1,570                                      | 7,353                          | 4,767                           | 2,385                              | 1,700                      | 1,964  | ...  | ...               | 10,341                                       | 5,452          | ...                           |
| 1947..... | 1,864                                      | 9,537                          | 6,217                           | 3,463                              | 1,528                      | 3,561  | ...  | ...               | 11,594                                       | 6,271          | ...                           |
| 1948..... | 2,288                                      | 6,144                          | 4,353                           | 6,322                              | 4,030                      | 2,052  | 4,026  | 1,038             | 1,603  | 12,793         | 7,124                         |
| 1949..... | 2,238                                      | 5,622                          | 3,972                           | 5,749                              | 3,793                      | 2,088  | 4,796  | 1,019             | 1,462  | 12,050         | 6,362                         |
| 1950..... | 2,802                                      | 7,394                          | 5,062                           | 6,614                              | 4,822                      | 2,259  | 6,582  | 1,268             | 1,723  | 13,362         | 7,073                         |
| 1951..... | 3,190                                      | 9,361                          | 6,015                           | 9,133                              | 5,756                      | 3,774  | 6,302  | 1,618             | 1,825  | 14,946         | 7,772                         |
| 1952..... | 3,006                                      | 8,239                          | 5,947                           | 9,953                              | 6,581                      | 5,794  | 6,375  | 1,826             | 1,835  | 15,485         | 7,897                         |
| 1953..... | 3,320                                      | 9,698                          | 6,563                           | 10,038                             | 7,326                      | 6,933  | 7,582  | 2,007             | 1,950  | 15,833         | 7,686                         |
| 1954..... | 3,367                                      | 8,001                          | 6,255                           | 9,131                              | 6,686                      | 6,678  | 6,441  | 2,019             | 1,884  | 14,613         | 6,547                         |
| 1955..... | 4,040                                      | 10,493                         | 6,960                           | 9,621                              | 7,124                      | 6,617  | 9,553  | 2,169             | 2,079  | 15,935         | 7,102                         |
| 1956..... | 4,194                                      | 11,291                         | 7,383                           | 11,356                             | 7,972                      | 7,322  | 7,377  | 2,423             | 2,168  | 16,974         | 7,549                         |
| 1957..... | 4,156                                      | 11,787                         | 7,769                           | 11,518                             | 8,732                      | 8,542  | 7,802  | 2,501             | 2,164  | 17,407         | 7,503                         |
| 1958..... | 4,075                                      | 9,514                          | 7,209                           | 9,877                              | 8,411                      | 8,201  | 5,401  | 2,476             | 2,132  | 16,569         | 6,746                         |
| 1959..... | 4,765                                      | 10,895                         | 8,088                           | 11,765                             | 10,160                     | 8,430  | 8,069  | 2,902             | 2,342  | 17,903         | 6,941                         |
| 1960..... | 4,640                                      | 11,103                         | 8,113                           | 11,861                             | 10,469                     | 8,270  | 8,532  | 2,954             | 2,325  | 18,177         | 6,718                         |
| 1961..... | 4,540                                      | 10,238                         | 8,112                           | 11,799                             | 10,887                     | 8,586  | 7,595  | 2,982             | 2,442  | 18,252         | 6,475                         |
| 1962..... | 4,748                                      | 10,937                         | 8,798                           | 13,307                             | 12,086                     | 9,828  | 10,314   | 3,265             | 2,547  | 19,060         | 6,438                         |
| 1963..... | 5,062                                      | 11,521                         | 9,184                           | 14,016                             | 12,326                     | 10,411   | 11,848   | 3,507             | 2,544  | 20,025         | 6,634                         |
| 1964..... | 5,437                                      | 13,120                         | 10,126                          | 16,158                             | 12,786                     | 10,757   | 12,287   | 3,715             | 2,700  | 21,372         | 6,795                         |
| 1965..... | 5,789                                      | 14,747                         | 11,340                          | 18,362                             | 14,215                     | 11,549   | 14,537   | 4,391             | 2,874  | 22,926         | 7,084                         |

## Series C168 to C178

| Year      | National income: OBE (Millions of dollars) |  |                            |                          |                               |                               |               |                               |   |  |   |
|-----------|--|--|----------------------------|--------------------------|-------------------------------|-------------------------------|---------------|-------------------------------|---|--|---|
|           | Transportation                             |  |                            |                          |                               |                               | Communication |                               |   | C177. Electric, gas, and sanitary services | C178. Wholesale and retail trade, total |
|           | C168. Local suburban and highway passenger | C169. Motor freight transportation and warehousing | C170. Water transportation | C171. Air transportation | C172. Pipeline transportation | C173. Transportation services | C174. Total   | C175. Telephone and telegraph | C176. Radio broadcasting and television |  |   |
| 1917..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1918..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1919..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1920..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1921..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1922..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1923..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1924..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1925..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1926..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1927..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1928..... | ...  | ...  | ...                        | ...                      | ...                           | ...                           | ...           | ...                           | ...                                     | ...  | ...                                     |
| 1929..... | 824  | 566  | 266                        | -3                       | 129                           | 262                           | 1,128         | 1,100                         | 28                                      | 1,638                                      | 13,511                                  |
| 1930..... | 765  | 544  | 216                        | -10                      | 105                           | 228                           | 1,092         | 1,083                         | 9                                       | 1,644                                      | 12,357                                  |
| 1931..... | 633  | 487  | 173                        | 4                        | 81                            | 169                           | 1,000         | 984                           | 16                                      | 1,598                                      | 9,911                                   |
| 1932..... | 512  | 429  | 127                        | 10                       | 56                            | 108                           | 812           | 791                           | 21                                      | 1,463                                      | 6,532                                   |
| 1933..... | 450  | 423  | 153                        | 10                       | 47                            | 94                            | 702           | 688                           | 14                                      | 1,287                                      | 5,625                                   |
| 1934..... | 485  | 473  | 178                        | 8                        | 103                           | 113                           | 771           | 739                           | 32                                      | 1,419                                      | 8,310                                   |
| 1935..... | 478  | 533  | 200                        | 14                       | 106                           | 126                           | 807           | 770                           | 37                                      | 1,439                                      | 9,408                                   |
| 1936..... | 534  | 594  | 243                        | 22                       | 107                           | 148                           | 884           | 831                           | 53                                      | 1,556                                      | 10,768                                  |
| 1937..... | 546  | 661  | 293                        | 26                       | 130                           | 177                           | 984           | 918                           | 66                                      | 1,716                                      | 12,354                                  |
| 1938..... | 499  | 661  | 206                        | 30                       | 120                           | 169                           | 1,007         | 942                           | 65                                      | 1,691                                      | 12,096                                  |
| 1939..... | 515  | 743  | 280                        | 44                       | 131                           | 196                           | 1,075         | 999                           | 76                                      | 1,766                                      | 12,604                                  |
| 1940..... | 526  | 819  | 336                        | 57                       | 131                           | 231                           | 1,111         | 1,020                         | 91                                      | 1,925                                      | 14,460                                  |
| 1941..... | 582  | 1,027  | 432                        | 77                       | 145                           | 265                           | 1,237         | 1,131                         | 106                                     | 2,072                                      | 17,411                                  |
| 1942..... | 904  | 1,190  | 425                        | 113                      | 117                           | 289                           | 1,474         | 1,365                         | 109                                     | 2,187                                      | 20,423                                  |
| 1943..... | 1,218                                      | 1,313  | 595                        | 151                      | 129                           | 416                           | 1,683         | 1,544                         | 139                                     | 2,243                                      | 23,882                                  |
| 1944..... | 1,293                                      | 1,359  | 857                        | 175                      | 145                           | 522                           | 1,822         | 1,647                         | 175                                     | 2,227                                      | 25,768                                  |
| 1945..... | 1,305                                      | 1,404  | 989                        | 192                      | 131                           | 520                           | 1,929         | 1,743                         | 186                                     | 2,290                                      | 28,010                                  |
| 1946..... | 1,501                                      | 1,714  | 823                        | 216                      | 128                           | 507                           | 2,182         | 1,977                         | 205                                     | 2,614                                      | 34,604                                  |
| 1947..... | 1,482                                      | 2,011  | 812                        | 247                      | 157                           | 614                           | 2,300         | 2,073                         | 227                                     | 2,791                                      | 37,551                                  |
| 1948..... | 1,463                                      | 2,315  | 1,066                      | 344                      | 194                           | 287                           | 2,817         | 2,563                         | 254                                     | 3,174                                      | 39,861                                  |
| 1949..... | 1,407                                      | 2,392  | 989                        | 391                      | 205                           | 304                           | 3,034         | 2,771                         | 263                                     | 3,650                                      | 39,035                                  |
| 1950..... | 1,398                                      | 2,826  | 1,029                      | 474                      | 259                           | 303                           | 3,346         | 3,029                         | 317                                     | 3,910                                      | 40,943                                  |
| 1951..... | 1,499                                      | 3,114  | 1,332                      | 582                      | 284                           | 363                           | 3,866         | 3,475                         | 391                                     | 4,548                                      | 45,091                                  |
| 1952..... | 1,541                                      | 3,401  | 1,308                      | 652                      | 294                           | 392                           | 4,280         | 3,845                         | 435                                     | 5,049                                      | 46,680                                  |
| 1953..... | 1,521                                      | 3,822  | 1,397                      | 722                      | 288                           | 397                           | 4,757         | 4,276                         | 481                                     | 5,430                                      | 47,264                                  |
| 1954..... | 1,476                                      | 3,860  | 1,238                      | 785                      | 297                           | 410                           | 5,061         | 4,519                         | 542                                     | 5,924                                      | 48,251                                  |
| 1955..... | 1,484                                      | 4,322  | 1,420                      | 877                      | 293                           | 437                           | 5,657         | 5,016                         | 641                                     | 6,218                                      | 52,270                                  |
| 1956..... | 1,481                                      | 4,637  | 1,552                      | 972                      | 313                           | 470                           | 6,156         | 5,459                         | 697                                     | 6,639                                      | 54,806                                  |
| 1957..... | 1,542                                      | 4,890  | 1,626                      | 1,025                    | 321                           | 500                           | 6,653         | 5,924                         | 729                                     | 6,995                                      | 57,243                                  |
| 1958..... | 1,520                                      | 4,960  | 1,423                      | 1,113                    | 329                           | 478                           | 7,005         | 6,236                         | 769                                     | 7,433                                      | 58,246                                  |
| 1959..... | 1,598                                      | 5,697  | 1,522                      | 1,283                    | 357                           | 505                           | 7,709         | 6,857                         | 852                                     | 8,135                                      | 63,332                                  |
| 1960..... | 1,639                                      | 5,840  | 1,654                      | 1,400                    | 355                           | 571                           | 8,237         | 7,304                         | 933                                     | 8,934                                      | 64,396                                  |
| 1961..... | 1,678                                      | 6,051  | 1,655                      | 1,443                    | 357                           | 593                           | 8,640         | 7,738                         | 902                                     | 9,351                                      | 66,249                                  |
| 1962..... | 1,703                                      | 6,588  | 1,724                      | 1,664                    | 340                           | 603                           | 9,284         | 8,253                         | 1,031                                   | 9,739                                      | 70,328                                  |
| 1963..... | 1,716                                      | 6,913  | 1,815                      | 1,881                    | 426                           | 640                           | 9,820         | 8,717                         | 1,103                                   | 10,344                                     | 73,414                                  |
| 1964..... | 1,771                                      | 7,463  | 2,001                      | 2,229                    | 429                           | 684                           | 10,529        | 9,382                         | 1,147                                   | 11,080                                     | 79,127                                  |
| 1965..... | 1,857                                      | 8,185  | 2,018                      | 2,574                    | 454                           | 754                           | 11,152        | 9,924                         | 1,228                                   | 11,605                                     | 83,600                                  |

BASIC DATA - CONTINUED

## Series C179 to C189

| Year      | National income: OBE (Millions of dollars) |                    |                                     |               |   |                                      |                          |  |                   |             |                                       |
|-----------|--|--------------------|-------------------------------------|---------------|---|--------------------------------------|--------------------------|--|-------------------|-------------|---------------------------------------|
|           | Wholesale and retail trade                 |                    | Finance, insurance, and real estate |               |   |                                      |                          |  | Services          |             |                                       |
|           | C179. Wholesale trade                      | C180. Retail trade | C181. Total                         | C182. Banking | C183. Credit agencies, holding and other investment companies | C184. Security and commodity brokers | C185. Insurance carriers | C186. Insurance agents, brokers, and service | C187. Real estate | C188. Total | C189. Hotels and other lodging places |
| 1917..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1918..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1919..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1920..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1921..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1922..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1923..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1924..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1925..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1926..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1927..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1928..... | ...  | ...                | ...                                 | ...           | ...   | ...                                  | ...                      | ...  | ...               | ...         | ...                                   |
| 1929..... | 4,261                                      | 9,250              | 12,813                              | 2,018         | 169   | 726                                  | 849                      | 421  | 8,630             | 8,843       | 623                                   |
| 1930..... | 4,085                                      | 8,272              | 10,707                              | 1,641         | -14   | 97                                   | 775                      | 402  | 7,806             | 8,371       | 577                                   |
| 1931..... | 3,221                                      | 6,690              | 8,761                               | 1,206         | -42   | -45                                  | 696                      | 366  | 6,580             | 7,236       | 465                                   |
| 1932..... | 2,201                                      | 4,331              | 6,956                               | 915           | -71   | 100                                  | 564                      | 328  | 5,120             | 5,661       | 335                                   |
| 1933..... | 1,810                                      | 3,815              | 5,877                               | 692           | -11   | 191                                  | 552                      | 289  | 4,164             | 5,141       | 291                                   |
| 1934..... | 2,545                                      | 5,765              | 5,641                               | 539           | 10  | 214                                  | 636                      | 315  | 3,927             | 5,782       | 361                                   |
| 1935..... | 2,972                                      | 6,436              | 5,988                               | 662           | 66  | 227                                  | 709                      | 330  | 3,994             | 6,183       | 383                                   |
| 1936..... | 3,287                                      | 7,481              | 6,652                               | 775           | 125   | 346                                  | 775                      | 347  | 4,274             | 6,847       | 418                                   |
| 1937..... | 3,971                                      | 8,383              | 7,251                               | 893           | 140   | 241                                  | 886                      | 386  | 4,705             | 7,514       | 473                                   |
| 1938..... | 3,845                                      | 8,251              | 7,744                               | 844           | 214   | 190                                  | 908                      | 383  | 5,205             | 7,225       | 460                                   |
| 1939..... | 3,876                                      | 8,728              | 7,991                               | 880           | 163   | 204                                  | 904                      | 390  | 5,450             | 7,554       | 485                                   |
| 1940..... | 4,500                                      | 9,960              | 8,301                               | 980           | 186   | 186                                  | 872                      | 405  | 5,672             | 8,026       | 532                                   |
| 1941..... | 5,276                                      | 12,135             | 9,279                               | 1,096         | 220   | 148                                  | 903                      | 444  | 6,468             | 8,867       | 585                                   |
| 1942..... | 6,223                                      | 14,200             | 10,730                              | 1,186         | 362   | 105                                  | 983                      | 468  | 7,626             | 10,268      | 675                                   |
| 1943..... | 6,923                                      | 16,959             | 11,631                              | 1,406         | 280   | 209                                  | 1,026                    | 488  | 8,222             | 11,796      | 878                                   |
| 1944..... | 7,647                                      | 18,121             | 12,303                              | 1,658         | 271   | 223                                  | 1,028                    | 529  | 8,594             | 13,158      | 990                                   |
| 1945..... | 8,244                                      | 19,766             | 12,983                              | 1,824         | 267   | 388                                  | 1,021                    | 568  | 8,915             | 14,128      | 1,087                                 |
| 1946..... | 10,448                                     | 24,156             | 15,318                              | 2,228         | 45  | 394                                  | 1,397                    | 750  | 10,504            | 16,670      | 1,320                                 |
| 1947..... | 11,679                                     | 25,872             | 16,143                              | 2,310         | -5  | 217                                  | 1,468                    | 858  | 11,295            | 18,093      | 1,289                                 |
| 1948..... | 12,857                                     | 27,004             | 18,365                              | 2,543         | -111  | 292                                  | 1,919                    | 677  | 13,045            | 20,029      | 1,341                                 |
| 1949..... | 12,187                                     | 26,848             | 19,781                              | 2,705         | -152  | 311                                  | 2,345                    | 701  | 13,871            | 20,469      | 1,362                                 |
| 1950..... | 13,307                                     | 27,636             | 22,005                              | 3,037         | -213  | 415                                  | 2,208                    | 824  | 15,734            | 21,768      | 1,388                                 |
| 1951..... | 15,376                                     | 29,715             | 24,058                              | 3,485         | -219  | 428                                  | 2,671                    | 539  | 17,154            | 23,540      | 1,464                                 |
| 1952..... | 15,593                                     | 31,087             | 26,469                              | 3,820         | -229  | 444                                  | 2,631                    | 1,084  | 18,719            | 25,053      | 1,557                                 |
| 1953..... | 15,777                                     | 31,487             | 29,291                              | 4,232         | -246  | 476                                  | 3,088                    | 1,192  | 20,549            | 26,811      | 1,592                                 |
| 1954..... | 15,825                                     | 32,426             | 31,959                              | 4,467         | -156  | 682                                  | 3,301                    | 1,330  | 22,335            | 27,762      | 1,623                                 |
| 1955..... | 17,841                                     | 34,429             | 34,105                              | 4,777         | -134  | 805                                  | 3,260                    | 1,372  | 24,025            | 31,131      | 1,717                                 |
| 1956..... | 19,326                                     | 35,480             | 35,929                              | 5,363         | -126  | 866                                  | 3,062                    | 1,513  | 25,251            | 33,896      | 1,812                                 |
| 1957..... | 20,314                                     | 36,929             | 38,160                              | 5,614         | 32  | 935                                  | 3,231                    | 1,635  | 26,713            | 36,458      | 1,905                                 |
| 1958..... | 20,754                                     | 37,492             | 40,874                              | 6,006         | -317  | 1,192                                | 3,941                    | 1,739  | 28,313            | 38,381      | 1,885                                 |
| 1959..... | 22,710                                     | 40,622             | 43,771                              | 6,640         | -402  | 1,391                                | 4,299                    | 1,838  | 30,005            | 41,664      | 2,048                                 |
| 1960..... | 23,126                                     | 41,270             | 45,940                              | 7,276         | -435  | 1,243                                | 4,641                    | 1,948  | 31,267            | 44,371      | 2,111                                 |
| 1961..... | 24,243                                     | 42,006             | 48,072                              | 7,330         | -496  | 1,656                                | 4,946                    | 2,028  | 32,608            | 47,047      | 2,134                                 |
| 1962..... | 25,505                                     | 44,823             | 50,730                              | 7,320         | -333  | 1,513                                | 5,064                    | 2,175  | 34,991            | 50,678      | 2,270                                 |
| 1963..... | 26,768                                     | 46,646             | 53,567                              | 7,977         | -361  | 1,397                                | 4,903                    | 2,268  | 37,383            | 54,134      | 2,423                                 |
| 1964..... | 28,682                                     | 50,445             | 57,115                              | 8,562         | -679  | 1,578                                | 5,145                    | 2,453  | 40,056            | 58,911      | 2,592                                 |
| 1965..... | 30,514                                     | 53,086             | 61,019                              | 8,963         | -615  | 1,745                                | 5,329                    | 2,590  | 43,007            | 63,013      | 2,785                                 |

## Series C190 to C200

| Year      | National income: OBE (Millions of dollars) |                                       |  |                                     |                       |   |   |                      |                            |  |   |
|-----------|--|---------------------------------------|--|-------------------------------------|-----------------------|---|---|----------------------|----------------------------|--|---|
|           | Services                                   |                                       |  |                                     |                       |   |   |                      |                            |  |   |
|           | C190. Personal services                    | C191. Miscellaneous business services | C192. Automobile repair, services, and garages | C193. Miscellaneous repair services | C194. Motion pictures | C195. Amusement and recreation services, except motion pictures | C196. Medical and other health services | C197. Legal services | C198. Educational services | C199. Nonprofit membership organizations | C200. Miscellaneous professional services |
| 1917..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1918..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1919..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1920..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1921..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1922..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1923..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1924..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1925..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1926..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1927..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1928..... | ...  | ...                                   | ...  | ...                                 | ...                   | ...   | ...                                     | ...                  | ...                        | ...                                      | ...                                       |
| 1929..... | 1,287                                      | ...                                   | ...  | ...                                 | 440                   | 379   | 1,536                                   | 689                  | 442                        | 640                                      | 206                                       |
| 1930..... | 1,218                                      | ...                                   | ...  | ...                                 | 438                   | 336   | 1,476                                   | 683                  | 451                        | 649                                      | 184                                       |
| 1931..... | 1,040                                      | ...                                   | ...  | ...                                 | 361                   | 268   | 1,306                                   | 701                  | 443                        | 626                                      | 152                                       |
| 1932..... | 814  | ...                                   | ...  | ...                                 | 194                   | 177   | 1,037                                   | 591                  | 415                        | 569                                      | 102                                       |
| 1933..... | 707  | ...                                   | ...  | ...                                 | 210                   | 154   | 948                                     | 561                  | 383                        | 527                                      | 98  |
| 1934..... | 790  | ...                                   | ...  | ...                                 | 283                   | 197   | 1,036                                   | 600                  | 384                        | 532                                      | 113                                       |
| 1935..... | 865  | ...                                   | ...  | ...                                 | 329                   | 211   | 1,115                                   | 624                  | 394                        | 528                                      | 121                                       |
| 1936..... | 962  | ...                                   | ...  | ...                                 | 391                   | 253   | 1,253                                   | 647                  | 408                        | 546                                      | 144                                       |
| 1937..... | 1,113                                      | ...                                   | ...  | ...                                 | 437                   | 305   | 1,323                                   | 680                  | 433                        | 547                                      | 156                                       |
| 1938..... | 1,028                                      | ...                                   | ...  | ...                                 | 426                   | 266   | 1,330                                   | 666                  | 443                        | 556                                      | 164                                       |
| 1939..... | 1,053                                      | ...                                   | ...  | ...                                 | 434                   | 288   | 1,381                                   | 692                  | 449                        | 556                                      | 181                                       |
| 1940..... | 1,154                                      | ...                                   | ...  | ...                                 | 448                   | 310   | 1,463                                   | 719                  | 458                        | 599                                      | 193                                       |
| 1941..... | 1,292                                      | ...                                   | ...  | ...                                 | 513                   | 368   | 1,575                                   | 763                  | 496                        | 640                                      | 264                                       |
| 1942..... | 1,552                                      | ...                                   | ...  | ...                                 | 652                   | 388   | 1,806                                   | 793                  | 573                        | 716                                      | 385                                       |
| 1943..... | 1,899                                      | ...                                   | ...  | ...                                 | 830                   | 436   | 1,988                                   | 814                  | 662                        | 819                                      | 344                                       |
| 1944..... | 2,015                                      | ...                                   | ...  | ...                                 | 882                   | 507   | 2,341                                   | 874                  | 666                        | 916                                      | 320                                       |
| 1945..... | 2,121                                      | ...                                   | ...  | ...                                 | 929                   | 613   | 2,459                                   | 930                  | 641                        | 983                                      | 335                                       |
| 1946..... | 2,561                                      | ...                                   | ...  | ...                                 | 1,128                 | 815   | 3,025                                   | 957                  | 748                        | 1,193                                    | 480                                       |
| 1947..... | 2,640                                      | ...                                   | ...  | ...                                 | 1,045                 | 796   | 3,542                                   | 1,036                | 923                        | 1,308                                    | 589                                       |
| 1948..... | 2,840                                      | 1,439                                 | 908  | 701                                 | 902                   | 830   | 3,925                                   | 1,176                | 972                        | 1,492                                    | 1,140                                     |
| 1949..... | 2,908                                      | 1,474                                 | 841  | 648                                 | 885                   | 803   | 4,045                                   | 1,257                | 1,040                      | 1,686                                    | 1,164                                     |
| 1950..... | 3,021                                      | 1,684                                 | 864  | 665                                 | 866                   | 788   | 4,412                                   | 1,344                | 1,109                      | 1,803                                    | 1,252                                     |
| 1951..... | 3,164                                      | 1,945                                 | 932  | 750                                 | 877                   | 820   | 4,827                                   | 1,455                | 1,170                      | 1,971                                    | 1,504                                     |
| 1952..... | 3,277                                      | 2,204                                 | 958  | 812                                 | 869                   | 880   | 5,273                                   | 1,515                | 1,222                      | 2,096                                    | 1,776                                     |
| 1953..... | 3,416                                      | 2,484                                 | 1,012  | 833                                 | 849                   | 984   | 5,801                                   | 1,606                | 1,300                      | 2,310                                    | 1,934                                     |
| 1954..... | 3,500                                      | 2,672                                 | 1,034  | 822                                 | 953                   | 1,039   | 5,874                                   | 1,758                | 1,405                      | 2,486                                    | 2,026                                     |
| 1955..... | 3,661                                      | 3,011                                 | 1,172  | 873                                 | 979                   | 1,121   | 7,097                                   | 1,926                | 1,524                      | 2,675                                    | 2,324                                     |
| 1956..... | 3,916                                      | 3,493                                 | 1,336  | 973                                 | 949                   | 1,196   | 7,530                                   | 1,979                | 1,723                      | 2,873                                    | 2,850                                     |
| 1957..... | 4,195                                      | 3,843                                 | 1,322  | 1,037                               | 899                   | 1,235   | 8,275                                   | 2,131                | 1,887                      | 3,120                                    | 3,287                                     |
| 1958..... | 4,236                                      | 4,088                                 | 1,445  | 993                                 | 828                   | 1,369   | 9,046                                   | 2,231                | 2,040                      | 3,378                                    | 3,339                                     |
| 1959..... | 4,462                                      | 4,735                                 | 1,616  | 1,072                               | 908                   | 1,492   | 9,967                                   | 2,488                | 2,163                      | 3,567                                    | 3,593                                     |
| 1960..... | 4,608                                      | 5,093                                 | 1,762  | 1,105                               | 894                   | 1,661   | 10,724                                  | 2,636                | 2,402                      | 3,815                                    | 3,761                                     |
| 1961..... | 4,795                                      | 5,541                                 | 1,824  | 1,181                               | 933                   | 1,789   | 11,475                                  | 2,982                | 2,660                      | 3,989                                    | 4,011                                     |
| 1962..... | 5,036                                      | 6,122                                 | 2,017  | 1,227                               | 890                   | 1,849   | 12,609                                  | 3,162                | 3,010                      | 4,298                                    | 4,385                                     |
| 1963..... | 5,282                                      | 6,614                                 | 2,174  | 1,375                               | 910                   | 1,970   | 13,519                                  | 3,424                | 3,374                      | 4,562                                    | 4,743                                     |
| 1964..... | 5,690                                      | 7,528                                 | 2,356  | 1,391                               | 1,054                 | 2,126   | 14,666                                  | 3,724                | 3,755                      | 4,904                                    | 5,216                                     |
| 1965..... | 6,012                                      | 8,343                                 | 2,535  | 1,482                               | 1,205                 | 2,237   | 15,562                                  | 3,881                | 4,137                      | 5,291                                    | 5,579                                     |

Series C201 to C211<sup>1</sup>

| Year      | National income: OBE (Millions of dollars) <sup>1</sup> |                                       |                      |                                   |                                       |                              |   |   |                         | Persons engaged in production: NBER, Kendrick (Thousands) |  |
|-----------|---|---------------------------------------|----------------------|-----------------------------------|---------------------------------------|------------------------------|---|---|-------------------------|---|--|
|           | C201. Services – private households                     | Government and government enterprises |                      |                                   |                                       |                              |   |   | C209. Rest of the world | C210. Total   | C211. Agriculture, forestry, and fisheries |
|           |   | C202. Total                           | C203. Federal, total | C204. Federal, general government | C205. Federal, government enterprises | C206. State and local, total | C207. State and local, general government | C208. State and local, government enterprises |                         |   |  |
| 1869..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 11,910  | 5,758                                      |
| 1879..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 15,639  | 7,640                                      |
| 1889..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 21,620  | 8,996                                      |
| 1899..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 26,861  | 9,912                                      |
| 1909..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 34,785  | 10,562                                     |
| 1919..... | ...   | ...                                   | ...                  | ...                               | ...                                   | ...                          | ...                                       | ...   | ...                     | 42,313  | 10,418                                     |
| 1929..... | 1,718   | 5,093                                 | 1,460                | 879                               | 581                                   | 3,633                        | 3,456                                     | 177   | 810                     | 47,611  | 10,075                                     |
| 1930..... | 1,485   | 5,316                                 | 1,499                | 915                               | 584                                   | 3,817                        | 3,630                                     | 187   | 746                     | ...   | ...  |
| 1931..... | 1,148   | 5,426                                 | 1,503                | 921                               | 582                                   | 3,923                        | 3,737                                     | 186   | 547                     | ...   | ...  |
| 1932..... | 836   | 5,150                                 | 1,424                | 880                               | 544                                   | 3,726                        | 3,565                                     | 161   | 393                     | ...   | ...  |
| 1933..... | 733   | 5,326                                 | 1,649                | 1,164                             | 485                                   | 3,677                        | 3,531                                     | 146   | 323                     | ...   | ...  |
| 1934..... | 851   | 6,271                                 | 2,234                | 1,694                             | 540                                   | 4,037                        | 3,884                                     | 153   | 303                     | ...   | ...  |
| 1935..... | 912   | 6,724                                 | 2,382                | 1,768                             | 614                                   | 4,342                        | 4,178                                     | 164   | 367                     | ...   | ...  |
| 1936..... | 1,017   | 8,108                                 | 4,232                | 3,570                             | 662                                   | 3,876                        | 3,696                                     | 180   | 300                     | ...   | ...  |
| 1937..... | 1,190   | 7,772                                 | 3,688                | 3,013                             | 675                                   | 4,084                        | 3,889                                     | 195   | 283                     | 48,233  | 9,484                                      |
| 1938..... | 1,026   | 8,524                                 | 4,203                | 3,505                             | 698                                   | 4,321                        | 4,121                                     | 200   | 386                     | ...   | ...  |
| 1939..... | 1,132   | 8,523                                 | 4,133                | 3,414                             | 719                                   | 4,390                        | 4,185                                     | 205   | 313                     | ...   | ...  |
| 1940..... | 1,221   | 8,762                                 | 4,235                | 3,489                             | 746                                   | 4,527                        | 4,289                                     | 238   | 357                     | ...   | ...  |
| 1941..... | 1,240   | 10,500                                | 5,835                | 5,027                             | 808                                   | 4,665                        | 4,388                                     | 277   | 363                     | ...   | ...  |
| 1942..... | 1,480   | 16,332                                | 11,563               | 10,645                            | 918                                   | 4,769                        | 4,473                                     | 296   | 365                     | ...   | ...  |
| 1943..... | 1,600   | 27,037                                | 22,038               | 20,899                            | 1,139                                 | 4,999                        | 4,663                                     | 336   | 367                     | ...   | ...  |
| 1944..... | 1,890   | 33,716                                | 28,438               | 27,250                            | 1,188                                 | 5,278                        | 4,938                                     | 340   | 423                     | ...   | ...  |
| 1945..... | 2,145   | 36,764                                | 31,034               | 29,786                            | 1,248                                 | 5,730                        | 5,370                                     | 360   | 369                     | ...   | ...  |
| 1946..... | 2,123   | 22,699                                | 16,100               | 14,606                            | 1,494                                 | 6,599                        | 6,177                                     | 422   | 571                     | ...   | ...  |
| 1947..... | 2,350   | 18,699                                | 10,863               | 9,395                             | 1,468                                 | 7,836                        | 7,320                                     | 516   | 824                     | ...   | ...  |
| 1948..... | 2,363   | 19,772                                | 10,613               | 8,936                             | 1,677                                 | 9,159                        | 8,502                                     | 657   | 991                     | 60,216  | 8,253                                      |
| 1949..... | 2,356   | 22,033                                | 11,886               | 10,027                            | 1,859                                 | 10,147                       | 9,422                                     | 725   | 1,005                   | ...   | ...  |
| 1950..... | 2,572   | 23,602                                | 12,699               | 10,760                            | 1,939                                 | 10,903                       | 10,124                                    | 779   | 1,164                   | ...   | ...  |
| 1951..... | 2,661   | 30,418                                | 18,402               | 16,256                            | 2,146                                 | 12,016                       | 11,136                                    | 880   | 1,337                   | ...   | ...  |
| 1952..... | 2,614   | 34,669                                | 21,364               | 18,925                            | 2,439                                 | 13,305                       | 12,225                                    | 1,080   | 1,292                   | ...   | ...  |
| 1953..... | 2,690   | 35,509                                | 21,040               | 18,614                            | 2,426                                 | 14,469                       | 13,306                                    | 1,163   | 1,303                   | 66,693  | 7,125                                      |
| 1954..... | 2,570   | 36,102                                | 20,220               | 17,805                            | 2,415                                 | 15,882                       | 14,669                                    | 1,213   | 1,616                   | ...   | ...  |
| 1955..... | 3,051   | 38,087                                | 20,980               | 18,387                            | 2,593                                 | 17,107                       | 15,807                                    | 1,300   | 1,796                   | ...   | ...  |
| 1956..... | 3,266   | 40,685                                | 21,759               | 19,011                            | 2,748                                 | 18,926                       | 17,585                                    | 1,341   | 2,075                   | ...   | ...  |
| 1957..... | 3,322   | 43,445                                | 22,525               | 19,608                            | 2,917                                 | 20,920                       | 19,520                                    | 1,400   | 2,195                   | ...   | ...  |
| 1958..... | 3,503   | 46,885                                | 23,841               | 20,591                            | 3,250                                 | 23,044                       | 21,524                                    | 1,520   | 2,030                   | ...   | ...  |
| 1959..... | 3,553   | 49,266                                | 24,380               | 21,030                            | 3,350                                 | 24,886                       | 23,280                                    | 1,606   | 2,171                   | ...   | ...  |
| 1960..... | 3,799   | 52,891                                | 25,524               | 21,868                            | 3,656                                 | 27,367                       | 25,615                                    | 1,752   | 2,360                   | ...   | ...  |
| 1961..... | 3,733   | 56,591                                | 26,773               | 22,925                            | 3,848                                 | 29,818                       | 27,975                                    | 1,843   | 2,932                   | ...   | ...  |
| 1962..... | 3,803   | 60,670                                | 28,347               | 24,277                            | 4,070                                 | 32,323                       | 30,391                                    | 1,932   | 3,268                   | ...   | ...  |
| 1963..... | 3,824   | 64,681                                | 29,676               | 25,261                            | 4,415                                 | 35,005                       | 32,859                                    | 2,146   | 3,364                   | ...   | ...  |
| 1964..... | 3,909   | 70,003                                | 31,858               | 27,156                            | 4,702                                 | 38,145                       | 35,876                                    | 2,269   | 4,014                   | ...   | ...  |
| 1965..... | 3,964   | 75,243                                | 33,469               | 28,435                            | 5,034                                 | 41,774                       | 39,346                                    | 2,428   | 4,266                   | ...   | ...  |

<sup>1</sup>The industrial classification for 1929-47 is based on the 1942 Standard Industrial Classification system; for 1948-65 on the 1957 SIC system.

## Series C212 to C222

| Year      | Persons engaged in production: NBER, Kendrick (Thousands) |                    |                     |                      |   |             |   |                |                  | Persons engaged in production: OBE (Thousands) |  |
|-----------|---|--------------------|---------------------|----------------------|---|-------------|---|----------------|------------------|--|--|
|           | C212. Mining  | C213. Construction | C214. Manufacturing | C215. Transportation | C216. Communications and public utilities | C217. Trade | C218. Finance, insurance, and real estate | C219. Services | C220. Government | C221. Total                                    | C222. Agriculture, forestry, and fisheries |
| 1860..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1861..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1862..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1863..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1864..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1865..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1866..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1867..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1868..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1869..... | 151   | 580                | 2,100               | 569                  | 35  | 926         | 48  | 1,323          | 420              | ...  | ...  |
| 1870..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1871..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1872..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1873..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1874..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1875..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1876..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1877..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1878..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1879..... | 281   | 645                | 2,810               | 766                  | 50  | 1,232       | 65  | 1,547          | 603              | ...  | ...  |
| 1880..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1881..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1882..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1883..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1884..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1885..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1886..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1887..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1888..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1889..... | 507   | 964                | 4,049               | 1,435                | 96  | 2,104       | 172                                       | 2,481          | 816              | ...  | ...  |
| 1890..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1891..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1892..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1893..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1894..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1895..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1896..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1897..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1898..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1899..... | 659   | 1,315              | 5,365               | 1,908                | 167                                       | 2,692       | 325                                       | 3,204          | 1,114            | ...  | ...  |
| 1900..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1901..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1902..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1903..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1904..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1905..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1906..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1907..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1908..... | ...   | ...                | ...                 | ...                  | ...                                       | ...         | ...                                       | ...            | ...              | ...  | ...  |
| 1909..... | 1,079   | 1,744              | 7,679               | 2,691                | 368                                       | 4,089       | 559                                       | 4,360          | 1,654            | ...  | ...  |

BASIC DATA - CONTINUED



|           |       |       |        |       |       |        |       |       |       |        |       |     |
|-----------|-------|-------|--------|-------|-------|--------|-------|-------|-------|--------|-------|-----|
| 1910..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1911..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1912..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1913..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1914..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1915..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1916..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1917..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1918..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1919..... | 1,145 | 1,516 | 10,600 | 3,357 | 629   | 5,603  | 904   | 4,514 | 3,627 | ...    | ...   | ... |
| 1920..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1921..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1922..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1923..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1924..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1925..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1926..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1927..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1928..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | ...    | ...   | ... |
| 1929..... | 1,057 | 2,392 | 10,570 | 3,051 | 1,034 | 8,028  | 1,592 | 6,628 | 3,184 | 46,216 | 9,205 | ... |
| 1930..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 44,080 | 8,983 | ... |
| 1931..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 41,042 | 8,908 | ... |
| 1932..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 37,565 | 8,862 | ... |
| 1933..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 38,052 | 8,925 | ... |
| 1934..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 41,398 | 9,009 | ... |
| 1935..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 42,908 | 9,140 | ... |
| 1936..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 45,980 | 9,050 | ... |
| 1937..... | 963   | 1,807 | 10,696 | 2,351 | 901   | 8,384  | 1,538 | 6,579 | 5,530 | 47,157 | 8,864 | ... |
| 1938..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 45,283 | 8,543 | ... |
| 1939..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 46,605 | 8,273 | ... |
| 1940..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 48,486 | 8,044 | ... |
| 1941..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 53,112 | 7,937 | ... |
| 1942..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 57,992 | 7,775 | ... |
| 1943..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 63,642 | 7,540 | ... |
| 1944..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 64,634 | 7,250 | ... |
| 1945..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 62,991 | 7,055 | ... |
| 1946..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 57,394 | 7,033 | ... |
| 1947..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 57,705 | 7,006 | ... |
| 1948..... | 1,005 | 3,326 | 15,481 | 3,013 | 1,282 | 11,474 | 1,942 | 7,647 | 6,793 | 58,800 | 7,000 | ... |
| 1949..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 57,384 | 6,781 | ... |
| 1950..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 59,115 | 6,766 | ... |
| 1951..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 62,986 | 6,324 | ... |
| 1952..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 64,164 | 6,154 | ... |
| 1953..... | 877   | 3,878 | 17,476 | 3,010 | 1,404 | 12,447 | 2,339 | 8,144 | 9,993 | 64,997 | 5,957 | ... |
| 1954..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 63,096 | 5,928 | ... |
| 1955..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 64,221 | 5,718 | ... |
| 1956..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 65,408 | 5,425 | ... |
| 1957..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 65,518 | 5,189 | ... |
| 1958..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 63,743 | 5,041 | ... |
| 1959..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 64,977 | 4,860 | ... |
| 1960..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 65,831 | 4,715 | ... |
| 1961..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 65,627 | 4,662 | ... |
| 1962..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 67,047 | 4,545 | ... |
| 1963..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 67,775 | 4,416 | ... |
| 1964..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 69,112 | 4,176 | ... |
| 1965..... | ...   | ...   | ...    | ...   | ...   | ...    | ...   | ...   | ...   | 71,248 | 4,039 | ... |

## Series C223 to C233

| Year      | Persons engaged in production: OBE (Thousands) |                             |                     |                      |                     |  |                                  |   |                |   |   |
|-----------|--|-----------------------------|---------------------|----------------------|---------------------|--|----------------------------------|---|----------------|---|---|
|           | C223. Mining                                   | C224. Contract construction | C225. Manufacturing | C226. Transportation | C227. Communication | C228. Electric, gas, and sanitary services | C229. Wholesale and retail trade | C230. Finance, insurance, and real estate | C231. Services | C232. Federal government and government enterprises | C233. State and local government and government enterprises |
| 1917..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1918..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1919..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1920..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1921..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1922..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1923..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1924..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1925..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1926..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1927..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1928..... | ...  | ...                         | ...                 | ...                  | ...                 | ...  | ...                              | ...                                       | ...            | ...   | ...   |
| 1929..... | 1,017  | 2,306                       | 10,556              | 3,034                | 539                 | 495  | 7,821                            | 1,575                                     | 6,484          | 827   | 2,357   |
| 1930..... | 956  | 2,183                       | 9,418               | 2,795                | 531                 | 503  | 7,524                            | 1,551                                     | 6,318          | 871   | 2,447   |
| 1931..... | 839  | 1,983                       | 7,983               | 2,444                | 468                 | 465  | 7,040                            | 1,488                                     | 5,934          | 851   | 2,548   |
| 1932..... | 701  | 1,644                       | 6,746               | 2,100                | 422                 | 409  | 6,453                            | 1,423                                     | 5,443          | 838   | 2,523   |
| 1933..... | 724  | 1,383                       | 7,273               | 2,008                | 392                 | 395  | 6,431                            | 1,373                                     | 5,275          | 1,216   | 2,656   |
| 1934..... | 857  | 1,460                       | 8,441               | 2,077                | 391                 | 411  | 6,961                            | 1,401                                     | 5,658          | 1,717   | 3,014   |
| 1935..... | 876  | 1,514                       | 8,983               | 2,102                | 390                 | 416  | 7,180                            | 1,425                                     | 5,850          | 1,776   | 3,255   |
| 1936..... | 934  | 1,763                       | 9,732               | 2,219                | 409                 | 444  | 7,639                            | 1,475                                     | 6,167          | 3,488   | 2,660   |
| 1937..... | 993  | 1,738                       | 10,686              | 2,333                | 441                 | 460  | 8,162                            | 1,520                                     | 6,429          | 2,806   | 2,724   |
| 1938..... | 897  | 1,686                       | 9,229               | 2,073                | 419                 | 446  | 8,075                            | 1,520                                     | 6,241          | 3,329   | 2,824   |
| 1939..... | 870  | 1,864                       | 10,086              | 2,169                | 424                 | 447  | 8,382                            | 1,560                                     | 6,396          | 3,273   | 2,860   |
| 1940..... | 965  | 1,941                       | 11,009              | 2,256                | 434                 | 467  | 8,783                            | 1,611                                     | 6,707          | 3,369   | 2,898   |
| 1941..... | 1,015  | 2,449                       | 13,274              | 2,447                | 478                 | 479  | 9,262                            | 1,647                                     | 6,784          | 4,415   | 2,922   |
| 1942..... | 1,021  | 2,859                       | 15,430              | 2,586                | 504                 | 447  | 8,957                            | 1,636                                     | 6,926          | 6,979   | 2,867   |
| 1943..... | 949  | 2,172                       | 17,556              | 2,789                | 521                 | 396  | 8,560                            | 1,575                                     | 6,598          | 12,189  | 2,790   |
| 1944..... | 905  | 1,646                       | 17,218              | 2,960                | 519                 | 377  | 8,534                            | 1,561                                     | 6,522          | 14,366  | 2,771   |
| 1945..... | 855  | 1,700                       | 15,360              | 3,018                | 536                 | 385  | 8,914                            | 1,602                                     | 6,549          | 14,217  | 2,795   |
| 1946..... | 901  | 2,551                       | 14,681              | 3,039                | 652                 | 459  | 10,392                           | 1,813                                     | ...            | 5,811   | 2,989   |
| 1947..... | 973  | 3,007                       | 15,406              | 3,045                | 688                 | 502  | 11,001                           | 1,866                                     | ...            | 3,528   | 3,234   |
| 1948..... | 1,033  | 3,262                       | 15,970              | 3,008                | 743                 | 538  | 10,751                           | 1,934                                     | 7,716          | 3,416   | 3,424   |
| 1949..... | 962  | 3,133                       | 14,853              | 2,809                | 742                 | 552  | 10,662                           | 1,947                                     | 7,741          | 3,603   | 3,594   |
| 1950..... | 965  | 3,399                       | 15,652              | 2,844                | 727                 | 558  | 10,783                           | 2,019                                     | 7,978          | 3,697   | 3,722   |
| 1951..... | 979  | 3,639                       | 16,883              | 2,994                | 758                 | 569  | 11,245                           | 2,116                                     | 8,168          | 5,499   | 3,807   |
| 1952..... | 956  | 3,637                       | 17,196              | 2,968                | 787                 | 576  | 11,398                           | 2,205                                     | 8,186          | 6,148   | 3,947   |
| 1953..... | 916  | 3,582                       | 18,015              | 2,962                | 819                 | 589  | 11,480                           | 2,302                                     | 8,316          | 5,948   | 4,106   |
| 1954..... | 842  | 3,465                       | 16,798              | 2,743                | 819                 | 594  | 11,336                           | 2,401                                     | 8,286          | 5,607   | 4,272   |
| 1955..... | 847  | 3,556                       | 17,356              | 2,769                | 835                 | 599  | 11,592                           | 2,481                                     | 8,707          | 5,313   | 4,443   |
| 1956..... | 884  | 3,700                       | 17,702              | 2,803                | 885                 | 607  | 11,908                           | 2,558                                     | 9,098          | 5,168   | 4,666   |
| 1957..... | 881  | 3,627                       | 17,611              | 2,763                | 904                 | 612  | 11,978                           | 2,602                                     | 9,353          | 5,121   | 4,873   |
| 1958..... | 788  | 3,513                       | 16,271              | 2,535                | 854                 | 627  | 11,868                           | 2,646                                     | 9,539          | 4,935   | 5,122   |
| 1959..... | 756  | 3,634                       | 17,006              | 2,547                | 830                 | 623  | 12,059                           | 2,695                                     | 9,815          | 4,851   | 5,291   |
| 1960..... | 737  | 3,596                       | 17,126              | 2,541                | 836                 | 628  | 12,299                           | 2,762                                     | 10,169         | 4,888   | 5,530   |
| 1961..... | 704  | 3,560                       | 16,673              | 2,448                | 825                 | 627  | 12,177                           | 2,822                                     | 10,386         | 5,001   | 5,738   |
| 1962..... | 687  | 3,632                       | 17,230              | 2,442                | 821                 | 624  | 12,273                           | 2,875                                     | 10,712         | 5,270   | 5,932   |
| 1963..... | 669  | 3,715                       | 17,355              | 2,432                | 822                 | 626  | 12,359                           | 2,944                                     | 11,012         | 5,218   | 6,203   |
| 1964..... | 666  | 3,836                       | 17,653              | 2,451                | 844                 | 630  | 12,715                           | 3,019                                     | 11,373         | 5,215   | 6,530   |
| 1965..... | 670  | 3,971                       | 18,443              | 2,486                | 875                 | 638  | 13,129                           | 3,084                                     | 11,770         | 5,261   | 6,878   |

BASIC DATA - CONTINUED

Series C234 to C244

| Year      | C234. Persons engaged in production—rest of world: OBE (Thousands) | Gross national product: OBE (Billions of 1954 dollars) |  |              |                             |                     |                      |                      |                        |                                  |   |
|-----------|--|--|--|--------------|-----------------------------|---------------------|----------------------|----------------------|------------------------|----------------------------------|---|
|           |  | C235. Total  | C236. Agriculture, forestry, and fisheries | C237. Mining | C238. Contract construction | C239. Manufacturing | C240. Transportation | C241. Communications | C242. Public utilities | C243. Wholesale and retail trade | C244. Finance, insurance, and real estate |
| 1917..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1918..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1919..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1920..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1921..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1922..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1923..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1924..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1925..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1926..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1927..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1928..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1929..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1930..... | ...  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1931..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1932..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1933..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1934..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1935..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1936..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1937..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1938..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1939..... | 1  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1940..... | 2  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1941..... | 3  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1942..... | 5  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1943..... | 7  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1944..... | 5  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1945..... | 5  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1946..... | 5  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1947..... | 5  | 282.3  | 17.7                                       | 8.5          | 12.2                        | 83.1                | 17.3                 | 4.2                  | 4.2                    | 53.7                             | 30.7                                      |
| 1948..... | 5  | 293.1  | 20.1                                       | 8.9          | 13.4                        | 86.0                | 17.1                 | 4.7                  | 4.7                    | 54.5                             | 32.3                                      |
| 1949..... | 5  | 292.7  | 19.2                                       | 7.9          | 13.7                        | 81.9                | 15.5                 | 4.8                  | 5.0                    | 54.7                             | 34.5                                      |
| 1950..... | 5  | 318.1  | 20.2                                       | 8.8          | 14.9                        | 92.6                | 18.0                 | 5.0                  | 5.8                    | 61.3                             | 36.7                                      |
| 1951..... | 5  | 341.8  | 18.9                                       | 9.7          | 17.0                        | 102.0               | 20.2                 | 5.4                  | 6.6                    | 61.4                             | 38.8                                      |
| 1952..... | 6  | 353.5  | 19.7                                       | 9.6          | 17.1                        | 105.0               | 19.1                 | 5.8                  | 7.1                    | 63.2                             | 39.5                                      |
| 1953..... | 5  | 369.0  | 20.4                                       | 9.9          | 17.2                        | 111.9               | 19.0                 | 6.0                  | 7.7                    | 65.7                             | 40.1                                      |
| 1954..... | 5  | 363.1  | 21.3                                       | 9.6          | 17.3                        | 103.8               | 18.0                 | 6.5                  | 8.3                    | 65.0                             | 41.3                                      |
| 1955..... | 5  | 392.7  | 22.3                                       | 10.6         | 18.6                        | 116.7               | 20.3                 | 7.3                  | 9.4                    | 70.8                             | 43.9                                      |
| 1956..... | 4  | 400.9  | 21.9                                       | 11.2         | 19.5                        | 116.4               | 21.0                 | 7.9                  | 10.4                   | 72.5                             | 45.7                                      |
| 1957..... | 4  | 408.6  | 21.5                                       | 11.2         | 19.2                        | 117.8               | 20.7                 | 8.4                  | 11.1                   | 72.5                             | 48.4                                      |
| 1958..... | 4  | 401.3  | 21.8                                       | 10.2         | 18.4                        | 109.7               | 19.3                 | 8.6                  | 11.6                   | 71.3                             | 50.0                                      |
| 1959..... | 4  | 428.6  | 21.7                                       | 10.6         | 19.5                        | 121.8               | 21.1                 | 9.2                  | 12.9                   | 77.1                             | 52.2                                      |
| 1960..... | 4  | 439.9  | 22.8                                       | 10.8         | 19.0                        | 122.0               | 21.6                 | 9.8                  | 13.8                   | 77.6                             | 54.7                                      |
| 1961..... | 4  | 447.9  | 22.8                                       | 11.0         | 18.6                        | 122.0               | 21.5                 | 10.2                 | 14.6                   | 78.0                             | 56.8                                      |
| 1962..... | 4  | 476.4  | 22.8                                       | 11.2         | 18.7                        | 134.1               | 22.7                 | 10.9                 | 15.6                   | 82.6                             | 59.5                                      |
| 1963..... | 4  | 492.6  | 23.6                                       | 11.5         | 19.0                        | 138.5               | 23.8                 | 11.7                 | 16.8                   | 86.0                             | 62.6                                      |
| 1964..... | 4  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |
| 1965..... | 4  | ...  | ...  | ...          | ...                         | ...                 | ...                  | ...                  | ...                    | ...                              | ...                                       |

## Series C245 to C255

| Year      | Gross national product: OBE<br>(Billions of 1954 dollars) |   |                            | Value added by manufacture: Census (Millions of dollars) |                                    |                           |                                |  |                                      |                                 |                                       |
|-----------|---|---|----------------------------|--|------------------------------------|---------------------------|--------------------------------|--|--------------------------------------|---------------------------------|---------------------------------------|
|           | C245. Services  | C246. Govern-<br>ment and govern-<br>ment enterprises | C247. Rest of<br>the world | C248. All man-<br>ufacturing                             | C249. Food and<br>kindred products | C250. Tobacco<br>products | C251. Textile<br>mill products | C252. Apparel<br>and related<br>products | C253. Lumber<br>and wood<br>products | C254. Furniture<br>and fixtures | C255. Paper<br>and allied<br>products |
| 1860..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1861..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1862..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1863..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1864..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1865..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1866..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1867..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1868..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1869..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1870..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1871..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1872..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1873..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1874..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1875..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1876..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1877..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1878..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1879..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1880..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1881..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1882..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1883..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1884..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1885..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1886..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1887..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1888..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1889..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1890..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1891..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1892..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1893..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1894..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1895..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1896..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1897..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1898..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1899..... | ...   | ...   | ...                        | 4,647  | ...                                | ...                       | 441                            | 309                                      | 437                                  | 82                              | 90                                    |
| 1900..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1901..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1902..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1903..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1904..... | ...   | ...   | ...                        | 5,019  | ...                                | ...                       | 515                            | 414                                      | 577                                  | 116                             | 122                                   |
| 1905..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1906..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1907..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1908..... | ...   | ...   | ...                        | ...  | ...                                | ...                       | ...                            | ...                                      | ...                                  | ...                             | ...                                   |
| 1909..... | ...   | ...   | ...                        | 8,160  | ...                                | ...                       | 752                            | 614                                      | 708                                  | 151                             | 168                                   |

BASIC DATA - CONTINUED

|           |      |      |     |         |        |       |       |       |       |       |       |
|-----------|------|------|-----|---------|--------|-------|-------|-------|-------|-------|-------|
| 1910..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1911..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1912..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1913..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1914..... | ...  | ...  | ... | 9,386   | ...    | ...   | 781   | 682   | 647   | 174   | 201   |
| 1915..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1916..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1917..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1918..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1919..... | ...  | ...  | ... | 23,842  | ...    | ...   | 2,300 | 1,618 | 1,298 | 366   | 517   |
| 1920..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1921..... | ...  | ...  | ... | 17,253  | 2,120  | ...   | 1,824 | 1,408 | 853   | 347   | 392   |
| 1922..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1923..... | ...  | ...  | ... | 24,569  | 2,506  | ...   | 2,413 | 1,748 | 1,399 | 510   | 564   |
| 1924..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1925..... | ...  | ...  | ... | 25,668  | 2,718  | ...   | 2,212 | 1,685 | 1,333 | 562   | 612   |
| 1926..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1927..... | ...  | ...  | ... | 26,325  | 2,840  | ...   | 2,273 | 1,878 | 1,179 | 569   | 685   |
| 1928..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1929..... | ...  | ...  | ... | 30,591  | 3,340  | ...   | 2,321 | 1,927 | 1,322 | 615   | 782   |
| 1930..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1931..... | ...  | ...  | ... | 18,601  | 2,745  | 370   | 1,525 | 1,370 | 524   | 322   | 606   |
| 1932..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1933..... | ...  | ...  | ... | 14,008  | 2,413  | 250   | 1,342 | 826   | 379   | 193   | 518   |
| 1934..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1935..... | ...  | ...  | ... | 18,553  | 2,804  | 284   | 1,461 | 1,123 | 542   | 274   | 636   |
| 1936..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1937..... | ...  | ...  | ... | 25,174  | 3,371  | 325   | 1,786 | 1,245 | 714   | 424   | 863   |
| 1938..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1939..... | ...  | ...  | ... | 24,487  | 3,485  | 350   | 1,818 | 1,386 | 731   | 418   | 888   |
| 1940..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1941..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1942..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1943..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1944..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1945..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1946..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1947..... | 28.5 | 26.1 | 1.1 | 74,290  | 9,116  | 641   | 5,323 | 4,440 | 2,520 | 1,346 | 2,913 |
| 1948..... | 29.4 | 26.6 | 1.2 | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |
| 1949..... | 29.5 | 27.9 | 1.3 | 75,367  | 9,426  | 779   | 4,741 | 4,245 | 2,284 | 1,412 | 2,777 |
| 1950..... | 31.0 | 28.8 | 1.4 | 89,750  | 10,104 | 806   | 5,642 | 4,176 | 3,166 | 1,667 | 3,438 |
| 1951..... | 31.3 | 34.8 | 1.3 | 102,086 | 10,579 | 856   | 5,421 | 4,699 | 3,523 | 1,804 | 4,180 |
| 1952..... | 32.0 | 37.2 | 1.3 | 109,162 | 11,340 | 868   | 5,257 | 4,849 | 3,449 | 1,904 | 3,883 |
| 1953..... | 33.3 | 37.0 | 1.4 | 121,659 | 11,938 | 987   | 5,412 | 5,415 | 3,501 | 2,047 | 4,463 |
| 1954..... | 33.9 | 36.6 | 1.6 | 117,032 | 13,398 | 1,004 | 4,709 | 5,166 | 3,242 | 1,998 | 4,630 |
| 1955..... | 35.8 | 36.6 | 1.8 | 135,023 | 14,790 | 1,083 | 5,312 | 5,650 | 3,744 | 2,306 | 5,141 |
| 1956..... | 38.2 | 37.2 | 2.0 | 144,909 | 15,939 | 1,173 | 5,456 | 5,973 | 3,817 | 2,510 | 5,610 |
| 1957..... | 39.5 | 37.9 | 2.2 | 147,838 | 16,347 | 1,246 | 5,197 | 6,067 | 3,285 | 2,514 | 5,724 |
| 1958..... | 40.4 | 38.0 | 2.2 | 141,500 | 17,685 | 1,413 | 4,858 | 6,011 | 3,183 | 2,354 | 5,707 |
| 1959..... | 42.6 | 38.6 | 2.3 | 161,315 | 18,614 | 1,480 | 5,685 | 6,505 | 3,765 | 2,611 | 6,441 |
| 1960..... | 44.7 | 39.7 | 2.3 | 164,003 | 19,692 | 1,546 | 5,669 | 6,617 | 3,456 | 2,615 | 6,554 |
| 1961..... | 46.4 | 40.7 | 3.0 | 164,179 | 20,105 | 1,590 | 5,630 | 6,726 | 3,376 | 2,554 | 6,660 |
| 1962..... | 48.5 | 42.7 | 3.3 | 179,290 | 20,856 | 1,645 | 6,098 | 7,151 | 3,606 | 2,838 | 7,044 |
| 1963..... | 50.3 | 43.7 | 3.3 | 191,911 | 21,825 | 1,681 | 6,121 | 7,859 | 4,021 | 3,068 | 7,396 |
| 1964..... | ...  | ...  | ... | 205,963 | 23,055 | 1,722 | 6,736 | 8,150 | 4,361 | 3,225 | 7,805 |
| 1965..... | ...  | ...  | ... | ...     | ...    | ...   | ...   | ...   | ...   | ...   | ...   |

## Series C256 to C266

| Year      | Value added by manufacture: Census (Millions of dollars) |                                     |                                   |                                    |                                    |                                       |                                |                                 |                                    |                            |                                |
|-----------|--|-------------------------------------|-----------------------------------|------------------------------------|------------------------------------|---------------------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------|--------------------------------|
|           | C256. Printing and publishing                            | C257. Chemicals and allied products | C258. Petroleum and coal products | C259. Rubber and plastics products | C260. Leather and leather products | C261. Stone, clay, and glass products | C262. Primary metal industries | C263. Fabricated metal products | C264. Machinery, except electrical | C265. Electrical machinery | C266. Transportation equipment |
| 1860..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1861..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1862..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1863..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1864..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1865..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1866..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1867..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1868..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1869..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1870..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1871..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1872..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1873..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1874..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1875..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1876..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1877..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1878..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1879..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1880..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1881..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1882..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1883..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1884..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1885..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1886..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1887..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1888..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1889..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1890..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1891..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1892..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1893..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1894..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1895..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1896..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1897..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1898..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1899..... | 300  | 212                                 | 37                                | 40                                 | 187                                | 185                                   | ...                            | ...                             | 44                                 | ...                        | ...                            |
| 1900..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1901..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1902..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1903..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1904..... | 424  | 286                                 | 57                                | 68                                 | 246                                | 271                                   | ...                            | ...                             | 80                                 | ...                        | ...                            |
| 1905..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1906..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1907..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1908..... | ...  | ...                                 | ...                               | ...                                | ...                                | ...                                   | ...                            | ...                             | ...                                | ...                        | ...                            |
| 1909..... | 519  | 401                                 | 76                                | 75                                 | 325                                | 352                                   | ...                            | ...                             | 121                                | ...                        | ...                            |

BASIC DATA - CONTINUED



|           |        |        |       |       |       |       |        |        |        |        |        |
|-----------|--------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 1910..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1911..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1912..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1913..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1914..... | 627    | 457    | 112   | 138   | 353   | 379   | ...    | ...    | ...    | 201    | ...    |
| 1915..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1916..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1917..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1918..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1919..... | 1,091  | 1,198  | 511   | 544   | 898   | 680   | ...    | ...    | ...    | 672    | ...    |
| 1920..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1921..... | 1,306  | 834    | 430   | 327   | 610   | 605   | ...    | ...    | ...    | 547    | ...    |
| 1922..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1923..... | 1,527  | 1,184  | 562   | 457   | 797   | 990   | ...    | ...    | ...    | 806    | ...    |
| 1924..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1925..... | 1,757  | 1,320  | 635   | 539   | 751   | 1,042 | ...    | ...    | ...    | 940    | ...    |
| 1926..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1927..... | 1,936  | 1,474  | 543   | 565   | 781   | 1,023 | ...    | ...    | ...    | 1,049  | ...    |
| 1928..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1929..... | 2,233  | 1,737  | 829   | 539   | 774   | 1,054 | ...    | ...    | ...    | 1,389  | ...    |
| 1930..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1931..... | 1,768  | 1,359  | 432   | 361   | 524   | 616   | ...    | ...    | ...    | 763    | ...    |
| 1932..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1933..... | 1,245  | 1,121  | 395   | 261   | 452   | 404   | ...    | ...    | ...    | 404    | ...    |
| 1934..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1935..... | 1,547  | 1,363  | 471   | 309   | 530   | 600   | ...    | ...    | ...    | 686    | ...    |
| 1936..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1937..... | 1,785  | 1,732  | 638   | 369   | 584   | 860   | 2,520  | 1,389  | 2,366  | 1,102  | 1,986  |
| 1938..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1939..... | 1,765  | 1,819  | 697   | 406   | 583   | 856   | 2,169  | 1,401  | 2,037  | 941    | 1,773  |
| 1940..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1941..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1942..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1943..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1944..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1945..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1946..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1947..... | 4,249  | 5,317  | 1,991 | 1,299 | 1,533 | 2,299 | 5,733  | 4,920  | 7,834  | 3,860  | 5,842  |
| 1948..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |
| 1949..... | 4,659  | 5,848  | 1,744 | 1,195 | 1,387 | 2,451 | 5,710  | 4,834  | 7,689  | 3,902  | 7,054  |
| 1950..... | 4,907  | 7,237  | 2,139 | 1,620 | 1,499 | 3,138 | 7,951  | 6,211  | 8,765  | 4,815  | 8,547  |
| 1951..... | 5,289  | 8,165  | 2,687 | 1,729 | 1,475 | 3,561 | 9,761  | 7,139  | 11,219 | 5,753  | 9,789  |
| 1952..... | 5,660  | 8,539  | 2,619 | 1,744 | 1,597 | 3,531 | 9,051  | 7,168  | 12,807 | 6,873  | 12,042 |
| 1953..... | 5,916  | 9,320  | 2,795 | 2,021 | 1,711 | 3,753 | 11,004 | 8,144  | 13,381 | 7,876  | 14,534 |
| 1954..... | 6,403  | 9,547  | 2,241 | 1,954 | 1,641 | 3,866 | 9,772  | 7,653  | 12,333 | 7,300  | 13,428 |
| 1955..... | 6,938  | 11,108 | 2,793 | 2,377 | 1,778 | 4,637 | 12,963 | 8,775  | 13,753 | 8,002  | 17,071 |
| 1956..... | 7,547  | 11,894 | 3,318 | 2,418 | 1,882 | 5,036 | 13,848 | 9,244  | 16,176 | 9,112  | 16,633 |
| 1957..... | 7,912  | 12,373 | 3,249 | 2,462 | 1,892 | 4,980 | 13,320 | 9,544  | 15,972 | 9,620  | 18,492 |
| 1958..... | 7,939  | 12,273 | 2,518 | 3,277 | 1,898 | 5,535 | 11,671 | 9,423  | 12,393 | 10,395 | 15,285 |
| 1959..... | 8,752  | 14,282 | 2,894 | 3,793 | 2,121 | 6,512 | 13,635 | 10,445 | 14,549 | 12,527 | 16,037 |
| 1960..... | 9,306  | 14,347 | 3,308 | 3,773 | 2,044 | 6,394 | 13,350 | 10,320 | 14,383 | 13,064 | 18,427 |
| 1961..... | 9,516  | 14,752 | 3,382 | 3,916 | 2,041 | 6,304 | 12,906 | 10,284 | 14,215 | 13,702 | 17,530 |
| 1962..... | 9,996  | 16,062 | 3,439 | 4,316 | 2,102 | 6,605 | 13,744 | 11,119 | 16,068 | 15,594 | 20,946 |
| 1963..... | 10,476 | 17,586 | 3,713 | 4,654 | 2,079 | 7,044 | 15,068 | 11,796 | 17,311 | 17,011 | 22,766 |
| 1964..... | 11,065 | 19,133 | 3,774 | 4,984 | 2,270 | 7,520 | 16,732 | 12,636 | 19,763 | 18,040 | 23,961 |
| 1965..... | ...    | ...    | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    |

## Series C267 to C277

| Year      | C267. Value added by manufacture: Census-instruments and related products (Millions or dollars) | Indexes of production for major industry groups: FR (1935-39=100) |                                  |                           |                        |                             |              |                 |                                |                               |                 |
|-----------|---|---|----------------------------------|---------------------------|------------------------|-----------------------------|--------------|-----------------|--------------------------------|-------------------------------|-----------------|
|           |   | C268. All manufacturing   | C269. Manufactured food products | C270. Alcoholic beverages | C271. Tobacco products | C272. Textiles and products | C273. Lumber | C274. Furniture | C275. Paper and paper products | C276. Printing and publishing | C277. Chemicals |
| 1860..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1861..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1862..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1863..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1864..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1865..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1866..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1867..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1868..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1869..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1870..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1871..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1872..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1873..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1874..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1875..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1876..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1877..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1878..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1879..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1880..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1881..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1882..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1883..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1884..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1885..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1886..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1887..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1888..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1889..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1890..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1891..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1892..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1893..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1894..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1895..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1896..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1897..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1898..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1899..... | 32  | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1900..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1901..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1902..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1903..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1904..... | 46  | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1905..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1906..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1907..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1908..... | ...   | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |
| 1909..... | 73  | ...   | ...                              | ...                       | ...                    | ...                         | ...          | ...             | ...                            | ...                           | ...             |

BASIC DATA - CONTINUED

|           |       |     |     |     |     |     |     |     |     |     |     |
|-----------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1910..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1911..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1912..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1913..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1914..... | 98    | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1915..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1916..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1917..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1918..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1919..... | 236   | 72  | 77  | ... | 72  | 73  | 142 | ... | ... | ... | ... |
| 1920..... | ...   | 74  | 69  | ... | 75  | 67  | 144 | ... | ... | ... | ... |
| 1921..... | 189   | 56  | 68  | ... | 74  | 69  | 119 | ... | ... | ... | ... |
| 1922..... | ...   | 74  | 77  | ... | 77  | 79  | 145 | ... | ... | ... | ... |
| 1923..... | 245   | 86  | 82  | ... | 84  | 83  | 169 | 99  | 58  | 74  | 57  |
| 1924..... | ...   | 81  | 81  | ... | 83  | 72  | 163 | 100 | 61  | 79  | 56  |
| 1925..... | 263   | 90  | 85  | ... | 85  | 84  | 169 | 112 | 66  | 84  | 63  |
| 1926..... | ...   | 95  | 87  | ... | 88  | 84  | 164 | 120 | 72  | 92  | 70  |
| 1927..... | 274   | 94  | 88  | ... | 90  | 92  | 153 | 126 | 74  | 93  | 73  |
| 1928..... | ...   | 99  | 93  | ... | 92  | 87  | 151 | 124 | 79  | 96  | 78  |
| 1929..... | 301   | 110 | 101 | ... | 96  | 94  | 152 | 135 | 85  | 104 | 89  |
| 1930..... | ...   | 90  | 100 | ... | 93  | 74  | 110 | 95  | 79  | 97  | 87  |
| 1931..... | 201   | 74  | 90  | ... | 87  | 79  | 74  | 78  | 74  | 88  | 78  |
| 1932..... | ...   | 57  | 79  | ... | 79  | 71  | 49  | 54  | 65  | 74  | 68  |
| 1933..... | 142   | 68  | 83  | ... | 80  | 88  | 64  | 60  | 76  | 75  | 76  |
| 1934..... | ...   | 74  | 88  | 74  | 87  | 76  | 65  | 61  | 75  | 80  | 83  |
| 1935..... | 200   | 87  | 89  | 89  | 90  | 93  | 86  | 83  | 86  | 89  | 89  |
| 1936..... | ...   | 104 | 98  | 109 | 99  | 104 | 105 | 106 | 98  | 99  | 99  |
| 1937..... | 298   | 113 | 103 | 108 | 103 | 106 | 111 | 117 | 107 | 109 | 112 |
| 1938..... | ...   | 87  | 101 | 96  | 102 | 85  | 92  | 87  | 95  | 96  | 96  |
| 1939..... | 333   | 109 | 108 | 98  | 106 | 112 | 106 | 107 | 114 | 106 | 104 |
| 1940..... | ...   | 126 | 113 | 101 | 109 | 114 | 115 | 118 | 123 | 112 | 130 |
| 1941..... | ...   | 168 | 127 | 117 | 120 | 152 | 129 | 145 | 150 | 127 | 176 |
| 1942..... | ...   | 212 | 134 | 118 | 131 | 157 | 130 | 142 | 142 | 115 | 278 |
| 1943..... | ...   | 258 | 145 | 117 | 133 | 153 | 119 | 149 | 139 | 111 | 384 |
| 1944..... | ...   | 252 | 152 | 144 | 125 | 148 | 115 | 144 | 139 | 101 | 324 |
| 1945..... | ...   | 214 | 150 | 178 | 136 | 146 | 198 | 133 | 139 | 108 | 284 |
| 1946..... | ...   | 177 | 149 | 191 | 156 | 162 | 122 | 147 | 145 | 127 | 236 |
| 1947..... | 1,140 | 194 | 157 | 190 | 160 | 163 | 132 | 165 | 158 | 144 | 251 |
| 1948..... | ...   | 198 | 159 | 182 | 164 | 170 | 134 | 168 | 164 | 154 | 254 |
| 1949..... | 1,123 | 183 | 163 | 172 | 165 | 147 | 119 | 152 | 156 | 155 | 241 |
| 1950..... | 1,389 | 209 | 164 | 188 | 168 | 182 | 148 | 183 | 187 | 170 | 264 |
| 1951..... | 1,608 | 229 | 165 | 186 | 175 | 174 | 148 | 176 | 201 | 175 | 299 |
| 1952..... | 1,995 | 230 | 164 | 160 | 180 | 161 | 141 | 178 | 189 | 171 | 302 |
| 1953..... | 2,169 | 248 | 164 | 165 | 178 | 162 | 147 | 183 | 207 | 179 | 319 |
| 1954..... | 2,129 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1955..... | 2,367 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1956..... | 2,690 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1957..... | 2,872 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1958..... | 2,906 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1959..... | 3,506 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1960..... | 3,819 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1961..... | 3,892 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1962..... | 4,303 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1963..... | 3,992 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1964..... | 4,333 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1965..... | ...   | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |

## Series C278 to C288

| Year      | Indexes of production for major industry groups: FR (1935-39=100) |                       |                            |                                       |                               |                                      |                 |                                | Indexes of production for major industry groups: FR (1957-59=100) |                          |                        |
|-----------|---|-----------------------|----------------------------|---------------------------------------|-------------------------------|--------------------------------------|-----------------|--------------------------------|---|--------------------------|------------------------|
|           | C278. Petroleum and coal products                                 | C279. Rubber products | C280. Leather and products | C281. Stone, clay, and glass products | C282. Iron and steel products | C283. Nonferrous metals and products | C284. Machinery | C285. Transportation equipment | C286. All manufacturing   | C287. Food and beverages | C288. Tobacco products |
| 1917..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1918..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1919..... | ...   | ...                   | 94                         | 50                                    | 84                            | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1920..... | ...   | ...                   | 86                         | 61                                    | 102                           | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1921..... | ...   | ...                   | 82                         | 58                                    | 48                            | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1922..... | ...   | ...                   | 93                         | 73                                    | 85                            | ...                                  | ...             | ...                            | ...   | ...                      | ...                    |
| 1923..... | 56  | 63                    | 99                         | 87                                    | 109                           | 90                                   | 86              | 110                            | ...   | ...                      | ...                    |
| 1924..... | 59  | 66                    | 86                         | 91                                    | 90                            | 93                                   | 81              | 94                             | ...   | ...                      | ...                    |
| 1925..... | 69  | 81                    | 88                         | 101                                   | 108                           | 104                                  | 89              | 106                            | ...   | ...                      | ...                    |
| 1926..... | 76  | 80                    | 90                         | 105                                   | 115                           | 113                                  | 102             | 109                            | ...   | ...                      | ...                    |
| 1927..... | 78  | 83                    | 94                         | 106                                   | 108                           | 108                                  | 99              | 89                             | ...   | ...                      | ...                    |
| 1928..... | 87  | 98                    | 93                         | 110                                   | 121                           | 118                                  | 106             | 108                            | ...   | ...                      | ...                    |
| 1929..... | 96  | 100                   | 95                         | 110                                   | 133                           | 136                                  | 130             | 134                            | ...   | ...                      | ...                    |
| 1930..... | 89  | 78                    | 84                         | 96                                    | 97                            | 106                                  | 100             | 91                             | ...   | ...                      | ...                    |
| 1931..... | 80  | 72                    | 82                         | 77                                    | 61                            | 83                                   | 66              | 62                             | ...   | ...                      | ...                    |
| 1932..... | 69  | 64                    | 76                         | 51                                    | 32                            | 52                                   | 43              | 38                             | ...   | ...                      | ...                    |
| 1933..... | 74  | 77                    | 88                         | 54                                    | 54                            | 60                                   | 50              | 48                             | ...   | ...                      | ...                    |
| 1934..... | 79  | 86                    | 91                         | 64                                    | 61                            | 62                                   | 69              | 69                             | ...   | ...                      | ...                    |
| 1935..... | 85  | 93                    | 99                         | 77                                    | 81                            | 80                                   | 83              | 93                             | ...   | ...                      | ...                    |
| 1936..... | 97  | 107                   | 103                        | 103                                   | 114                           | 104                                  | 105             | 110                            | ...   | ...                      | ...                    |
| 1937..... | 108   | 104                   | 102                        | 114                                   | 123                           | 122                                  | 126             | 123                            | ...   | ...                      | ...                    |
| 1938..... | 100   | 83                    | 93                         | 92                                    | 68                            | 80                                   | 82              | 72                             | ...   | ...                      | ...                    |
| 1939..... | 110   | 113                   | 105                        | 114                                   | 114                           | 113                                  | 104             | 103                            | ...   | ...                      | ...                    |
| 1940..... | 120   | 123                   | 98                         | 124                                   | 147                           | 139                                  | 136             | 145                            | ...   | ...                      | ...                    |
| 1941..... | 135   | 163                   | 123                        | 162                                   | 186                           | 191                                  | 221             | 245                            | ...   | ...                      | ...                    |
| 1942..... | 147   | 172                   | 122                        | 168                                   | 199                           | 214                                  | 340             | 464                            | ...   | ...                      | ...                    |
| 1943..... | 185   | 228                   | 114                        | 173                                   | 208                           | 267                                  | 443             | 735                            | ...   | ...                      | ...                    |
| 1944..... | 247   | 234                   | 113                        | 164                                   | 206                           | 259                                  | 439             | 719                            | ...   | ...                      | ...                    |
| 1945..... | 236   | 215                   | 117                        | 163                                   | 183                           | 204                                  | 343             | 487                            | ...   | ...                      | ...                    |
| 1946..... | 173   | 225                   | 122                        | 192                                   | 150                           | 157                                  | 240             | 232                            | ...   | ...                      | ...                    |
| 1947..... | 193   | 226                   | 116                        | 206                                   | 195                           | 187                                  | 276             | 230                            | 66.4  | 80.4                     | 81.6                   |
| 1948..... | 218   | 206                   | 111                        | 206                                   | 208                           | 193                                  | 277             | 235                            | 68.9  | 79.6                     | 83.7                   |
| 1949..... | 209   | 183                   | 106                        | 188                                   | 188                           | 160                                  | 234             | 235                            | 65.1  | 80.5                     | 83.0                   |
| 1950..... | 229   | 223                   | 111                        | 209                                   | 229                           | 206                                  | 270             | 261                            | 75.8  | 83.4                     | 84.1                   |
| 1951..... | 267   | 243                   | 101                        | 231                                   | 259                           | 207                                  | 336             | 307                            | 81.9  | 85.0                     | 89.1                   |
| 1952..... | 270   | 248                   | 106                        | 220                                   | 243                           | 222                                  | 356             | 338                            | 85.2  | 86.8                     | 92.1                   |
| 1953..... | 292   | 261                   | 107                        | 228                                   | 276                           | 245                                  | 391             | 397                            | 92.7  | 88.1                     | 90.1                   |
| 1954..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 86.3  | 90.1                     | 86.3                   |
| 1955..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 97.3  | 93.5                     | 88.3                   |
| 1956..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 100.2   | 97.1                     | 90.6                   |
| 1957..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 100.8   | 97.0                     | 94.4                   |
| 1958..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 93.2  | 99.3                     | 100.3                  |
| 1959..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 106.0   | 103.8                    | 105.3                  |
| 1960..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 108.9   | 106.6                    | 107.4                  |
| 1961..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 109.6   | 110.2                    | 110.8                  |
| 1962..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 118.7   | 113.5                    | 112.0                  |
| 1963..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 124.9   | 116.9                    | 115.2                  |
| 1964..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 133.1   | 120.8                    | 120.8                  |
| 1965..... | ...   | ...                   | ...                        | ...                                   | ...                           | ...                                  | ...             | ...                            | 144.9   | 123.3                    | 120.5                  |

Series C289 to C299

| Year      | Indexes of production for major industry groups: FR (1957-59=100) |                        |                           |                              |                          |                               |                              |                          |                                    |                            |                                       |
|-----------|---|------------------------|---------------------------|------------------------------|--------------------------|-------------------------------|------------------------------|--------------------------|------------------------------------|----------------------------|---------------------------------------|
|           | C289. Textile mill products                                       | C290. Apparel products | C291. Lumber and products | C292. Furniture and fixtures | C293. Paper and products | C294. Printing and publishing | C295. Chemicals and products | C296. Petroleum products | C297. Rubber and plastics products | C298. Leather and products | C299. Clay, glass, and stone products |
| 1917..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1918..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1919..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1920..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1921..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1922..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1923..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1924..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1925..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1926..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1927..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1928..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1929..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1930..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1931..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1932..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1933..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1934..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1935..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1936..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1937..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1938..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1939..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1940..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1941..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1942..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1943..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1944..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1945..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1946..... | ...   | ...                    | ...                       | ...                          | ...                      | ...                           | ...                          | ...                      | ...                                | ...                        | ...                                   |
| 1947..... | 85.0  | 74.1                   | 88.2                      | 67.6                         | 62.4                     | 69.7                          | 41.5                         | 62.9                     | 56.2                               | 92.8                       | 67.0                                  |
| 1948..... | 90.8  | 77.3                   | 91.8                      | 70.1                         | 64.1                     | 73.3                          | 44.9                         | 68.1                     | 57.0                               | 88.4                       | 71.3                                  |
| 1949..... | 84.0  | 76.6                   | 81.0                      | 64.8                         | 61.3                     | 75.2                          | 44.3                         | 66.0                     | 53.8                               | 84.1                       | 66.5                                  |
| 1950..... | 95.6  | 82.4                   | 98.4                      | 79.1                         | 73.8                     | 78.7                          | 55.4                         | 72.7                     | 69.7                               | 91.0                       | 80.5                                  |
| 1951..... | 94.6  | 80.9                   | 98.2                      | 74.7                         | 78.2                     | 80.2                          | 62.8                         | 81.3                     | 71.2                               | 85.3                       | 88.9                                  |
| 1952..... | 93.8  | 85.1                   | 96.9                      | 76.8                         | 74.5                     | 80.0                          | 65.6                         | 83.3                     | 73.1                               | 90.8                       | 85.0                                  |
| 1953..... | 95.7  | 86.6                   | 102.4                     | 80.3                         | 81.1                     | 83.7                          | 71.0                         | 88.2                     | 78.4                               | 91.1                       | 87.1                                  |
| 1954..... | 89.5  | 83.7                   | 99.6                      | 83.7                         | 82.0                     | 87.1                          | 70.8                         | 87.5                     | 76.9                               | 90.2                       | 83.8                                  |
| 1955..... | 98.9  | 91.9                   | 109.5                     | 95.1                         | 92.5                     | 92.5                          | 82.7                         | 94.0                     | 95.3                               | 98.0                       | 95.6                                  |
| 1956..... | 100.4   | 95.6                   | 105.4                     | 98.2                         | 96.9                     | 97.3                          | 89.1                         | 98.7                     | 93.0                               | 99.8                       | 100.1                                 |
| 1957..... | 96.5  | 96.6                   | 95.9                      | 96.5                         | 96.2                     | 99.0                          | 94.4                         | 98.6                     | 97.1                               | 99.2                       | 98.4                                  |
| 1958..... | 94.3  | 95.3                   | 95.6                      | 92.7                         | 97.2                     | 96.9                          | 95.8                         | 97.4                     | 92.2                               | 96.0                       | 93.2                                  |
| 1959..... | 109.2   | 108.2                  | 108.5                     | 110.8                        | 106.7                    | 104.2                         | 109.8                        | 103.9                    | 110.7                              | 104.7                      | 108.4                                 |
| 1960..... | 105.0   | 111.9                  | 102.1                     | 115.5                        | 107.7                    | 110.0                         | 116.6                        | 106.5                    | 111.0                              | 99.6                       | 107.8                                 |
| 1961..... | 107.1   | 112.1                  | 101.3                     | 115.3                        | 113.7                    | 111.5                         | 123.4                        | 108.7                    | 111.9                              | 100.1                      | 106.4                                 |
| 1962..... | 115.3   | 118.9                  | 106.1                     | 126.7                        | 119.7                    | 114.6                         | 136.1                        | 112.9                    | 130.6                              | 102.3                      | 111.1                                 |
| 1963..... | 116.9   | 125.6                  | 108.9                     | 133.1                        | 125.1                    | 116.4                         | 148.6                        | 117.1                    | 140.0                              | 99.8                       | 117.5                                 |
| 1964..... | 122.9   | 134.1                  | 112.6                     | 143.4                        | 133.4                    | 123.3                         | 159.6                        | 121.0                    | 156.3                              | 102.6                      | 126.0                                 |
| 1965..... | 134.8   | 145.0                  | 117.4                     | 157.4                        | 142.3                    | 130.3                         | 173.3                        | 123.4                    | 172.2                              | 107.8                      | 133.5                                 |

## Series C300 to C306, D1 to D4

BASIC DATA - CONTINUED

| Year      | Indexes of production for major industry groups: FR (1957-59=100) |                                 |                               |                          |                                |  |                                  | Gross national product for countries: Maddison (Index: 1913 = 100) |           |                  |                    |
|-----------|---|---------------------------------|-------------------------------|--------------------------|--------------------------------|--|----------------------------------|--|-----------|------------------|--------------------|
|           | C300. Primary metals  | C301. Fabricated metal products | C302. Nonelectrical machinery | C303. Electric machinery | C304. Transportation equipment | C305. Instruments and related products | C306. Miscellaneous manufactures | D1. United States  | D2. Japan | D3. West Germany | D4. United Kingdom |
| 1860..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1861..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1862..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1863..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1864..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1865..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1866..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1867..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1868..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1869..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | ...              | ...                |
| 1870..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 30.4             | 40.3               |
| 1871..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 16.9                             | ...  | ...       | 30.2             | 41.7               |
| 1872..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 32.3             | 40.9               |
| 1873..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 33.7             | 43.8               |
| 1874..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 36.2             | 46.7               |
| 1875..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 36.4             | 46.3               |
| 1876..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 36.2             | 46.6               |
| 1877..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 36.0             | 46.7               |
| 1878..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | ...  | ...       | 37.7             | 47.9               |
| 1879..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 32.7   | ...       | 36.8             | 46.2               |
| 1880..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 37.1   | ...       | 36.5             | 46.5               |
| 1881..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 34.3   | ...       | 37.4             | 50.5               |
| 1882..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 32.8   | ...       | 38.0             | 53.4               |
| 1883..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 30.9   | ...       | 40.1             | 54.5               |
| 1884..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 29.1   | ...       | 41.1             | 54.7               |
| 1885..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 35.0   | ...       | 42.1             | 56.7               |
| 1886..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 42.0   | ...       | 42.4             | 58.6               |
| 1887..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 40.3   | ...       | 44.1             | 60.7               |
| 1888..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | ...                              | 40.8   | ...       | 45.9             | 64.6               |
| 1889..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 38.7                             | 39.3   | ...       | 47.2             | 68.7               |
| 1890..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 41.5                             | 47.8   | ...       | 48.7             | 71.3               |
| 1891..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 43.3                             | 45.4   | ...       | 48.6             | 70.7               |
| 1892..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 47.5                             | 47.4   | ...       | 50.6             | 70.0               |
| 1893..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 45.2                             | 48.7   | ...       | 53.1             | 68.2               |
| 1894..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 44.0                             | 57.8   | ...       | 54.4             | 74.7               |
| 1895..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 49.2                             | 55.9   | ...       | 57.0             | 80.3               |
| 1896..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 48.2                             | 52.4   | ...       | 59.0             | 80.5               |
| 1897..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 52.8                             | 54.3   | ...       | 60.7             | 82.0               |
| 1898..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 53.9                             | 70.1   | ...       | 63.3             | 84.2               |
| 1899..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 58.8                             | 65.2   | ...       | 65.6             | 90.0               |
| 1900..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 60.4                             | 66.6   | ...       | 68.4             | 88.5               |
| 1901..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 67.2                             | 70.7   | ...       | 66.8             | 89.7               |
| 1902..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 67.9                             | 62.4   | ...       | 68.4             | 90.7               |
| 1903..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 71.2                             | 70.8   | ...       | 72.2             | 88.6               |
| 1904..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 70.3                             | 71.2   | ...       | 75.1             | 89.4               |
| 1905..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 75.5                             | 65.0   | ...       | 76.7             | 91.7               |
| 1906..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 84.2                             | 75.8   | ...       | 79.0             | 93.2               |
| 1907..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 85.5                             | 80.4   | ...       | 82.5             | 93.2               |
| 1908..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 78.5                             | 84.8   | ...       | 83.9             | 87.6               |
| 1909..... | ...   | ...                             | ...                           | ...                      | ...                            | ...                                    | 88.1                             | 84.2   | ...       | 85.6             | 91.0               |



|           |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1910..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 89.0  | 81.7  | 88.7  | 94.4  |
| 1911..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 91.9  | 93.3  | 91.7  | 96.6  |
| 1912..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 96.2  | 100.9 | 95.7  | 97.1  |
| 1913..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 100.0 | 100.0 | 100.0 | 100.0 |
| 1914..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 92.3  | 101.5 | ...   | 98.9  |
| 1915..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 94.9  | 103.3 | ...   | ...   |
| 1916..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 108.0 | 114.0 | ...   | ...   |
| 1917..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 105.3 | 117.6 | ...   | ...   |
| 1918..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 114.8 | 134.2 | ...   | ...   |
| 1919..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 115.8 | 159.4 | ...   | ...   |
| 1920..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 114.5 | 126.0 | ...   | ...   |
| 1921..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 112.0 | 127.6 | ...   | 92.8  |
| 1922..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 118.3 | 129.6 | ...   | 93.3  |
| 1923..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 133.8 | 143.3 | ...   | 96.1  |
| 1924..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 138.0 | 158.4 | ...   | 98.4  |
| 1925..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 141.3 | 171.2 | 90.3  | 105.3 |
| 1926..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 150.6 | 172.8 | 92.9  | 98.7  |
| 1927..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 152.2 | 174.1 | 102.1 | 107.4 |
| 1928..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 154.0 | 181.7 | 106.7 | 110.0 |
| 1929..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 163.4 | 185.3 | 106.2 | 112.7 |
| 1930..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 149.1 | 180.2 | 104.9 | 111.8 |
| 1931..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 140.8 | 186.2 | 96.7  | 103.8 |
| 1932..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 120.9 | 187.9 | 89.5  | 103.9 |
| 1933..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 117.7 | 195.8 | 94.9  | 104.2 |
| 1934..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 128.0 | 216.9 | 103.4 | 114.2 |
| 1935..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 144.7 | 222.1 | 112.8 | 118.1 |
| 1936..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 159.7 | 229.1 | 122.5 | 122.0 |
| 1937..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 172.6 | 283.4 | 136.4 | 128.3 |
| 1938..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 163.3 | 292.9 | 149.9 | 132.5 |
| 1939..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 175.8 | 295.4 | ...   | ...   |
| 1940..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 191.7 | 277.7 | ...   | ...   |
| 1941..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 219.8 | 282.2 | ...   | ...   |
| 1942..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 245.2 | 285.9 | ...   | ...   |
| 1943..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 270.0 | 285.1 | ...   | ...   |
| 1944..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 291.2 | 275.6 | ...   | ...   |
| 1945..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 287.1 | ...   | ...   | ...   |
| 1946..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 262.5 | ...   | ...   | 149.2 |
| 1947..... | 90.7  | 75.9  | 78.6  | 51.1  | 42.9  | 53.7  | 79.4  | 259.9 | 164.6 | ...   | 143.2 |
| 1948..... | 94.3  | 77.2  | 79.0  | 53.0  | 46.9  | 55.2  | 84.8  | 273.9 | 184.3 | 110.9 | 148.7 |
| 1949..... | 79.4  | 69.8  | 67.4  | 49.7  | 47.1  | 49.2  | 78.6  | 270.1 | 192.9 | 128.9 | 153.3 |
| 1950..... | 99.9  | 85.4  | 75.6  | 68.1  | 56.4  | 57.3  | 88.5  | 296.6 | 209.9 | 157.3 | 158.3 |
| 1951..... | 108.7 | 91.2  | 96.1  | 68.5  | 62.9  | 65.7  | 85.7  | 320.5 | 236.2 | 174.4 | 162.0 |
| 1952..... | 99.3  | 89.0  | 104.3 | 78.3  | 73.1  | 78.1  | 88.2  | 330.5 | 263.5 | 190.2 | 161.3 |
| 1953..... | 112.5 | 100.3 | 107.6 | 90.9  | 91.7  | 85.3  | 99.4  | 345.0 | 284.5 | 205.2 | 168.8 |
| 1954..... | 91.3  | 90.2  | 91.8  | 82.5  | 83.8  | 82.9  | 90.0  | 340.3 | 297.2 | 219.8 | 175.4 |
| 1955..... | 118.4 | 98.3  | 98.6  | 93.7  | 102.0 | 88.7  | 100.7 | 366.2 | 325.0 | 245.8 | 180.3 |
| 1956..... | 116.4 | 98.8  | 110.0 | 103.3 | 97.4  | 95.4  | 103.8 | 372.8 | 349.2 | 262.8 | 184.3 |
| 1957..... | 112.2 | 101.5 | 106.4 | 101.1 | 106.4 | 98.0  | 98.7  | 378.5 | 382.5 | 277.6 | 188.0 |
| 1958..... | 87.5  | 92.9  | 87.9  | 90.0  | 89.5  | 92.1  | 94.0  | 375.0 | 381.7 | 286.5 | 189.3 |
| 1959..... | 100.4 | 105.5 | 105.7 | 108.8 | 104.0 | 109.9 | 107.2 | 398.3 | 451.7 | 306.6 | 197.4 |
| 1960..... | 101.3 | 107.6 | 108.8 | 113.6 | 108.2 | 116.5 | 111.2 | 408.0 | 513.0 | 333.7 | 206.8 |
| 1961..... | 98.9  | 106.5 | 106.5 | 115.7 | 103.6 | 115.8 | 112.8 | 416.4 | 604.2 | 351.6 | 213.8 |
| 1962..... | 104.6 | 117.1 | 119.7 | 128.5 | 118.3 | 123.0 | 122.2 | 443.4 | 641.5 | 366.3 | 216.1 |
| 1963..... | 113.3 | 123.4 | 126.9 | 132.3 | 127.0 | 130.2 | 125.0 | 460.1 | 694.7 | 378.0 | 226.1 |
| 1964..... | 129.1 | 132.7 | 142.1 | 140.6 | 130.7 | 136.4 | 133.4 | 483.3 | 790.6 | 402.7 | 237.8 |
| 1965..... | 137.5 | 147.8 | 160.3 | 160.6 | 149.2 | 151.4 | 146.0 | ...   | ...   | ...   | ...   |

## Series D5 to D15

| Year      | Gross national product for countries:<br>Maddison (Index: 1913=100) |           |            | Gross national product for countries: OECD             |  |  |  |   |  |  | D15. Employment:<br>Maddison-<br>United States<br><br>(Index:<br>1913=100) |
|-----------|---|-----------|------------|--|--|--|--|---|--|--|--|
|           | D5. France  | D6. Italy | D7. Canada | D8. United States<br><br>(Billions of<br>1958 dollars) | D9. Japan<br><br>(Billions of<br>1958 yen) | D10. West<br>Germany<br><br>(Billions of<br>1958 DM) | D11. United<br>Kingdom<br><br>(Millions of<br>1958 pounds<br>sterling) | D12. France<br><br>(Billions of<br>1958 francs) | D13. Italy<br><br>(Billions of<br>1958 lire) | D14. Canada<br><br>(Millions of<br>1958 dollars) |  |
| 1860..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1861..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1862..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1863..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1864..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1865..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1866..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1867..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1868..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1869..... | ...   | ...       | ...        | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1870..... | 51.1  | 54.8      | 20.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1871..... | ...   | 53.2      | 20.7       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | 37.9   |
| 1872..... | ...   | 53.0      | 17.4       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1873..... | ...   | 54.5      | 19.2       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1874..... | ...   | 54.8      | 23.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1875..... | ...   | 57.0      | 22.3       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1876..... | ...   | 57.4      | 22.5       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1877..... | ...   | 57.4      | 23.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1878..... | ...   | 57.5      | 22.7       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1879..... | ...   | 56.5      | 26.6       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1880..... | 57.5  | 60.2      | 29.6       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | 47.6   |
| 1881..... | ...   | 57.7      | 33.6       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1882..... | ...   | 58.7      | 33.4       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1883..... | ...   | 58.8      | 32.8       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1884..... | ...   | 58.1      | 36.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1885..... | ...   | 58.6      | 40.0       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1886..... | ...   | 60.9      | 36.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1887..... | ...   | 60.1      | 36.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1888..... | ...   | 59.9      | 38.0       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1889..... | ...   | 57.6      | 37.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1890..... | 72.2  | 62.6      | 38.0       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | 61.8   |
| 1891..... | ...   | 65.4      | 44.3       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1892..... | ...   | 62.5      | 43.3       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1893..... | ...   | 63.4      | 42.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1894..... | ...   | 65.3      | 41.9       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1895..... | ...   | 63.6      | 44.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1896..... | ...   | 63.7      | 48.4       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1897..... | ...   | 62.1      | 42.0       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1898..... | ...   | 65.7      | 49.8       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1899..... | ...   | 69.8      | 47.7       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1900..... | 87.9  | 70.4      | 49.9       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | 75.7   |
| 1901..... | ...   | 76.8      | 54.8       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1902..... | ...   | 73.6      | 58.8       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1903..... | ...   | 80.0      | 60.5       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1904..... | ...   | 79.1      | 61.6       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1905..... | ...   | 83.3      | 66.3       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1906..... | ...   | 83.5      | 70.1       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1907..... | ...   | 88.6      | 70.4       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1908..... | ...   | 89.7      | 73.4       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |
| 1909..... | ...   | 92.3      | 81.7       | ...  | ...  | ...  | ...  | ...   | ...  | ...  | ...  |

BASIC DATA - CONTINUED

|           |       |       |       |       |          |        |        |        |        |        |       |
|-----------|-------|-------|-------|-------|----------|--------|--------|--------|--------|--------|-------|
| 1910..... | ...   | 87.5  | 83.3  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1911..... | ...   | 96.7  | 90.5  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1912..... | ...   | 96.2  | 92.2  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1913..... | 100.0 | 100.0 | 100.0 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | 100.0 |
| 1914..... | ...   | 99.0  | 93.9  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1915..... | ...   | 110.1 | 96.8  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1916..... | ...   | 120.5 | 101.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1917..... | ...   | 117.2 | 103.3 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1918..... | ...   | 126.6 | 104.2 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1919..... | ...   | 111.9 | 109.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1920..... | 77.6  | 106.6 | 103.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1921..... | 71.8  | 108.9 | 94.3  | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1922..... | 88.2  | 113.4 | 101.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1923..... | 95.3  | 116.6 | 108.3 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1924..... | 110.6 | 117.2 | 108.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1925..... | 110.6 | 122.1 | 112.8 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1926..... | 116.5 | 122.9 | 122.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1927..... | 111.8 | 122.1 | 133.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1928..... | 118.8 | 130.4 | 146.4 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1929..... | 130.6 | 132.9 | 146.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | 129.0 |
| 1930..... | 129.4 | 125.7 | 140.6 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1931..... | 123.5 | 127.4 | 122.6 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1932..... | 115.3 | 132.7 | 110.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1933..... | 115.3 | 132.0 | 103.0 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1934..... | 112.9 | 131.0 | 115.4 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1935..... | 108.2 | 144.1 | 124.4 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1936..... | 107.1 | 145.3 | 129.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1937..... | 110.6 | 154.2 | 142.8 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1938..... | 109.4 | 153.8 | 143.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | 120.1 |
| 1939..... | ...   | 164.0 | 154.4 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1940..... | ...   | 154.3 | 176.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1941..... | ...   | 150.5 | 202.2 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1942..... | ...   | 143.1 | 240.0 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1943..... | ...   | 128.8 | 248.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1944..... | ...   | 93.3  | 257.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1945..... | ...   | 75.4  | 251.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1946..... | ...   | 119.9 | 247.0 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1947..... | ...   | 135.7 | 250.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1948..... | 107.7 | 145.9 | 254.8 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1949..... | 120.9 | 153.4 | 264.7 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1950..... | 130.3 | 163.6 | 282.9 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | 165.4 |
| 1951..... | 138.2 | 175.8 | 300.1 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1952..... | 141.6 | 181.4 | 324.2 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1953..... | 146.0 | 194.6 | 336.6 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1954..... | 153.0 | 204.6 | 326.2 | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |
| 1955..... | 161.9 | 217.9 | 354.8 | 444.4 | 8,490.7  | 198.60 | 21,960 | 212.42 | 14,818 | 29,521 | ...   |
| 1956..... | 170.1 | 227.1 | 385.6 | 452.4 | 9,124.8  | 212.30 | 22,447 | 223.11 | 15,441 | 32,088 | ...   |
| 1957..... | 180.3 | 241.0 | 390.4 | 459.3 | 9,993.4  | 224.30 | 22,893 | 236.46 | 16,386 | 32,482 | ...   |
| 1958..... | 184.9 | 251.7 | 395.5 | 455.0 | 9,972.9  | 231.50 | 23,054 | 244.71 | 17,114 | 32,906 | ...   |
| 1959..... | 190.4 | 270.1 | 408.7 | 483.3 | 11,800.5 | 247.70 | 24,044 | 252.06 | 18,367 | 34,008 | ...   |
| 1960..... | 204.5 | 288.4 | 418.7 | 495.1 | 13,402.7 | 286.30 | 25,185 | 270.68 | 19,607 | 34,842 | ...   |
| 1961..... | 213.4 | 312.4 | 429.2 | 505.3 | 15,787.0 | 301.70 | 26,036 | 282.55 | 21,243 | 35,714 | ...   |
| 1962..... | 228.5 | 332.2 | 457.8 | 538.1 | 16,759.7 | 314.30 | 26,312 | 302.50 | 22,586 | 38,090 | ...   |
| 1963..... | 239.3 | 349.6 | 479.0 | 558.3 | 18,149.9 | 324.30 | 27,535 | 316.82 | 23,774 | 39,858 | ...   |
| 1964..... | 252.4 | 360.0 | 510.1 | 586.5 | 20,654.3 | 345.50 | 28,955 | 334.12 | 24,476 | 42,443 | ...   |
| 1965..... | ...   | ...   | ...   | ...   | ...      | ...    | ...    | ...    | ...    | ...    | ...   |

## Series D16 to D26

| Year      | Employment for countries: Maddison (Index: 1913=100) |                     |             |            |             | Employment for countries: OECD (Thousands) |            |              |                     |             |            |
|-----------|--|---------------------|-------------|------------|-------------|--|------------|--------------|---------------------|-------------|------------|
|           | D16. Germany   | D17. United Kingdom | D18. France | D19. Italy | D20. Canada | D21. United States                         | D22. Japan | D23. Germany | D24. United Kingdom | D25. France | D26. Italy |
| 1860..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1861..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1862..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1863..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1864..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1865..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1866..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1867..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1868..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1869..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1870..... | ...  | 62.6                | 92.3        | 77.2       | 40.8        | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1871..... | 59.4   | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1872..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1873..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1874..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1875..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1876..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1877..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1878..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1879..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1880..... | 63.9   | 69.3                | 93.2        | 83.0       | 50.2        | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1881..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1882..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1883..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1884..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1885..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1886..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1887..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1888..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1889..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1890..... | 69.7   | 76.4                | 95.6        | 87.3       | 58.4        | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1891..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1892..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1893..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1894..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1895..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1896..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1897..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1898..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1899..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1900..... | 80.0   | 87.5                | 97.7        | 91.1       | 66.9        | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1901..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1902..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1903..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1904..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1905..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1906..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1907..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1908..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |
| 1909..... | ...  | ...                 | ...         | ...        | ...         | ...  | ...        | ...          | ...                 | ...         | ...        |

BASIC DATA - CONTINUED

|           |       |       |       |       |       |        |        |        |        |        |        |
|-----------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 1910..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1911..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1912..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1913..... | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ...    | ...    | ...    | ...    | ...    | ...    |
| 1914..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1915..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1916..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1917..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1918..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1919..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1920..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1921..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1922..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1923..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1924..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1925..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1926..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1927..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1928..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1929..... | 110.1 | 105.8 | 95.7  | 105.2 | 131.4 | ...    | ...    | ...    | ...    | ...    | ...    |
| 1930..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1931..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1932..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1933..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1934..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1935..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1936..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1937..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1938..... | 122.5 | 110.2 | 87.0  | 105.9 | 138.9 | ...    | ...    | ...    | ...    | ...    | ...    |
| 1939..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1940..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1941..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1942..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1943..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1944..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1945..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1946..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1947..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1948..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1949..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |
| 1950..... | 126.8 | 119.0 | 89.2  | 105.6 | 166.9 | 59,748 | ...    | 20,365 | 22,539 | ...    | ...    |
| 1951..... | ...   | ...   | 89.5  | ...   | ...   | 60,785 | ...    | 20,895 | 22,761 | ...    | ...    |
| 1952..... | ...   | ...   | 89.7  | ...   | ...   | 61,034 | ...    | 21,290 | 22,647 | ...    | ...    |
| 1953..... | ...   | ...   | 89.7  | ...   | ...   | 61,945 | 39,360 | 21,800 | 22,771 | ...    | ...    |
| 1954..... | ...   | ...   | 90.0  | ...   | ...   | 60,890 | 39,890 | 22,380 | 23,192 | 18,702 | 18,569 |
| 1955..... | ...   | ...   | ...   | 114.0 | ...   | 62,943 | 41,190 | 23,210 | 23,527 | 18,727 | 19,335 |
| 1956..... | ...   | ...   | ...   | ...   | ...   | 64,708 | 41,970 | 23,790 | 23,753 | 18,735 | 18,923 |
| 1957..... | ...   | ...   | ...   | ...   | ...   | 65,011 | 43,030 | 24,213 | 23,845 | 18,819 | 19,643 |
| 1958..... | ...   | ...   | ...   | ...   | ...   | 63,966 | 43,240 | 24,354 | 23,685 | 18,787 | 20,135 |
| 1959..... | ...   | ...   | ...   | ...   | ...   | 65,581 | 43,680 | 24,559 | 23,730 | 18,656 | 19,987 |
| 1960..... | ...   | ...   | ...   | ...   | ...   | 66,681 | 44,610 | 25,954 | 24,182 | 18,642 | 20,002 |
| 1961..... | ...   | ...   | ...   | ...   | ...   | 66,796 | 45,180 | 26,248 | 24,490 | 18,644 | 20,018 |
| 1962..... | ...   | ...   | ...   | ...   | ...   | 67,846 | 45,740 | 26,382 | 24,706 | 18,715 | 19,790 |
| 1963..... | ...   | ...   | ...   | ...   | ...   | 68,809 | 46,130 | 26,455 | 24,728 | 19,037 | 19,475 |
| 1964..... | ...   | ...   | ...   | ...   | ...   | 70,357 | 46,730 | 26,523 | 25,007 | 19,251 | 19,389 |
| 1965..... | ...   | ...   | ...   | ...   | ...   | ...    | ...    | ...    | ...    | ...    | ...    |

## Series D27 and D41 to D50

| Year      | D27. Employment:<br>OECD-Canada<br><br>(Thousands) | Population for countries: Maddison (Index: 1913=100) |              |                     |             |            |             | Population for countries: OECD (Thousands) |            |               |                     |
|-----------|--|--|--------------|---------------------|-------------|------------|-------------|--|------------|---------------|---------------------|
|           |  | D41. United States                                   | D42. Germany | D43. United Kingdom | D44. France | D45. Italy | D46. Canada | D47. United States                         | D48. Japan | D49. Germany* | D50. United Kingdom |
| 1860..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1861..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1862..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1863..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1864..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1865..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1866..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1867..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1868..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1869..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1870..... | ...  | 41.0   | ...          | 68.5                | 92.7        | 75.4       | 47.2        | ...  | ...        | ...           | ...                 |
| 1871..... | ...  | ...  | 61.2         | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1872..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1873..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1874..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1875..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1876..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1877..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1878..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1879..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1880..... | ...  | 51.7   | 67.3         | 75.9                | 94.2        | 80.1       | 55.4        | ...  | ...        | ...           | ...                 |
| 1881..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1882..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1883..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1884..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1885..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1886..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1887..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1888..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1889..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1890..... | ...  | 64.9   | 73.5         | 82.0                | 96.5        | 85.8       | 62.0        | ...  | ...        | ...           | ...                 |
| 1891..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1892..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1893..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1894..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1895..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1896..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1897..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1898..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1899..... | ...  | ...  | ...          | ...                 | ...         | ...        | ...         | ...  | ...        | ...           | ...                 |
| 1900..... | ...  | 78.3   | 83.7         | 90.2                | 97.8        | 91.8       | 68.9        | ...  | ...        | ...           | ...                 |
| 1901..... | ...  | 79.8   | 84.9         | 91.0                | 98.0        | 92.3       | 70.0        | ...  | ...        | ...           | ...                 |
| 1902..... | ...  | 81.4   | 86.2         | 91.8                | 98.2        | 92.8       | 71.8        | ...  | ...        | ...           | ...                 |
| 1903..... | ...  | 82.9   | 87.5         | 92.6                | 98.4        | 93.2       | 74.0        | ...  | ...        | ...           | ...                 |
| 1904..... | ...  | 84.5   | 88.8         | 93.5                | 98.5        | 93.7       | 76.2        | ...  | ...        | ...           | ...                 |
| 1905..... | ...  | 86.2   | 90.1         | 94.3                | 98.6        | 94.2       | 77.9        | ...  | ...        | ...           | ...                 |
| 1906..... | ...  | 87.9   | 91.3         | 95.1                | 98.7        | 94.6       | 80.8        | ...  | ...        | ...           | ...                 |
| 1907..... | ...  | 89.5   | 92.6         | 96.0                | 98.7        | 95.2       | 84.1        | ...  | ...        | ...           | ...                 |
| 1908..... | ...  | 91.2   | 93.9         | 96.8                | 99.0        | 95.7       | 86.5        | ...  | ...        | ...           | ...                 |
| 1909..... | ...  | 93.1   | 95.1         | 97.6                | 99.1        | 96.8       | 88.9        | ...  | ...        | ...           | ...                 |



|           |       |       |       |       |       |       |       |         |        |        |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|---------|--------|--------|--------|
| 1910..... | ...   | 95.0  | 96.4  | 98.5  | 99.4  | 97.7  | 91.5  | ...     | ...    | ...    | ...    |
| 1911..... | ...   | 96.5  | 97.6  | 99.3  | 99.6  | 98.6  | 94.0  | ...     | ...    | ...    | ...    |
| 1912..... | ...   | 98.0  | 98.8  | 99.7  | 99.7  | 99.5  | 96.8  | ...     | ...    | ...    | ...    |
| 1913..... | ...   | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | ...     | ...    | ...    | ...    |
| 1914..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1915..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1916..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1917..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1918..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1919..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1920..... | ...   | 109.5 | 100.9 | ...   | 93.5  | 102.1 | ...   | ...     | ...    | ...    | ...    |
| 1921..... | ...   | 111.6 | 102.0 | ...   | 94.1  | 102.9 | 114.0 | ...     | ...    | ...    | ...    |
| 1922..... | ...   | 113.2 | 102.6 | ...   | 94.5  | 103.9 | 115.4 | ...     | ...    | ...    | ...    |
| 1923..... | ...   | 115.1 | 103.2 | ...   | 95.6  | 104.7 | 116.9 | ...     | ...    | ...    | ...    |
| 1924..... | ...   | 117.4 | 103.9 | 105.2 | 96.6  | 105.5 | 118.7 | ...     | ...    | ...    | ...    |
| 1925..... | ...   | 119.1 | 104.7 | 105.4 | 97.3  | 106.4 | 120.7 | ...     | ...    | ...    | ...    |
| 1926..... | ...   | 120.7 | 105.4 | 105.9 | 98.6  | 107.3 | 122.9 | ...     | ...    | ...    | ...    |
| 1927..... | ...   | 122.4 | 106.1 | 106.2 | 98.1  | 108.3 | 125.4 | ...     | ...    | ...    | ...    |
| 1928..... | ...   | 123.9 | 106.7 | 106.7 | 98.4  | 109.3 | 127.9 | ...     | ...    | ...    | ...    |
| 1929..... | ...   | 125.2 | 107.3 | 106.9 | 98.8  | 110.3 | 130.3 | ...     | ...    | ...    | ...    |
| 1930..... | ...   | 126.7 | 107.8 | 107.3 | 99.7  | 111.2 | 132.5 | ...     | ...    | ...    | ...    |
| 1931..... | ...   | 127.7 | 108.4 | 107.8 | 100.3 | 112.2 | 134.5 | ...     | ...    | ...    | ...    |
| 1932..... | ...   | 128.5 | 108.9 | 108.4 | 100.3 | 113.1 | 136.1 | ...     | ...    | ...    | ...    |
| 1933..... | ...   | 129.3 | 109.4 | 108.9 | 100.4 | 114.1 | 137.6 | ...     | ...    | ...    | ...    |
| 1934..... | ...   | 130.1 | 110.0 | 109.2 | 100.6 | 115.0 | 138.9 | ...     | ...    | ...    | ...    |
| 1935..... | ...   | 131.0 | 110.8 | 109.7 | 100.5 | 116.0 | 140.3 | ...     | ...    | ...    | ...    |
| 1936..... | ...   | 131.8 | 111.6 | 110.2 | 100.5 | 116.9 | 141.5 | ...     | ...    | ...    | ...    |
| 1937..... | ...   | 132.6 | 112.4 | 110.7 | 100.5 | 117.7 | 142.8 | ...     | ...    | ...    | ...    |
| 1938..... | ...   | 133.7 | 113.4 | 111.2 | 100.6 | 118.6 | 144.3 | ...     | ...    | ...    | ...    |
| 1939..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1940..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1941..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1942..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1943..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1944..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1945..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1946..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1947..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1948..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1949..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | ...     | ...    | ...    | ...    |
| 1950..... | 4,976 | 156.0 | 136.6 | 117.8 | 100.0 | 128.6 | 171.8 | 152,271 | 82,900 | 47,850 | 50,616 |
| 1951..... | 5,097 | ...   | ...   | ...   | ...   | ...   | ...   | 154,878 | 84,300 | 48,365 | 50,574 |
| 1952..... | 5,169 | ...   | ...   | ...   | ...   | ...   | ...   | 157,553 | 85,600 | 48,689 | 50,737 |
| 1953..... | 5,235 | ...   | ...   | ...   | ...   | ...   | ...   | 160,184 | 86,760 | 49,142 | 50,880 |
| 1954..... | 5,243 | ...   | ...   | ...   | ...   | ...   | ...   | 163,026 | 88,030 | 51,880 | 51,066 |
| 1955..... | 5,364 | ...   | ...   | ...   | ...   | ...   | ...   | 165,931 | 89,060 | 52,382 | 51,221 |
| 1956..... | 5,585 | ...   | ...   | ...   | ...   | ...   | ...   | 168,903 | 89,980 | 53,008 | 51,430 |
| 1957..... | 5,731 | ...   | ...   | ...   | ...   | ...   | ...   | 171,984 | 90,760 | 53,656 | 51,657 |
| 1958..... | 5,706 | ...   | ...   | ...   | ...   | ...   | ...   | 174,882 | 91,580 | 54,292 | 51,870 |
| 1959..... | 5,870 | ...   | ...   | ...   | ...   | ...   | ...   | 177,830 | 92,460 | 54,876 | 52,157 |
| 1960..... | 5,965 | ...   | ...   | ...   | ...   | ...   | ...   | 180,684 | 93,260 | 55,433 | 52,539 |
| 1961..... | 6,055 | ...   | ...   | ...   | ...   | ...   | ...   | 183,756 | 94,090 | 56,175 | 52,941 |
| 1962..... | 6,225 | ...   | ...   | ...   | ...   | ...   | ...   | 186,656 | 94,980 | 56,938 | 53,458 |
| 1963..... | 6,375 | ...   | ...   | ...   | ...   | ...   | ...   | 189,417 | 95,940 | 57,587 | 53,797 |
| 1964..... | 6,609 | ...   | ...   | ...   | ...   | ...   | ...   | 192,119 | 96,950 | 58,267 | 54,213 |
| 1965..... | ...   | ...   | ...   | ...   | ...   | ...   | ...   | 194,583 | ...    | 59,041 | 54,595 |

## Series D51 to D53

| Year      | Population for countries: OECD (Thousands) |            |             |
|-----------|--|------------|-------------|
|           | D51. France                                | D52. Italy | D53. Canada |
| 1917..... | ...  | ...        | ...         |
| 1918..... | ...  | ...        | ...         |
| 1919..... | ...  | ...        | ...         |
| 1920..... | ...  | ...        | ...         |
| 1921..... | ...  | ...        | ...         |
| 1922..... | ...  | ...        | ...         |
| 1923..... | ...  | ...        | ...         |
| 1924..... | ...  | ...        | ...         |
| 1925..... | ...  | ...        | ...         |
| 1926..... | ...  | ...        | ...         |
| 1927..... | ...  | ...        | ...         |
| 1928..... | ...  | ...        | ...         |
| 1929..... | ...  | ...        | ...         |
| 1930..... | ...  | ...        | ...         |
| 1931..... | ...  | ...        | ...         |
| 1932..... | ...  | ...        | ...         |
| 1933..... | ...  | ...        | ...         |
| 1934..... | ...  | ...        | ...         |
| 1935..... | ...  | ...        | ...         |
| 1936..... | ...  | ...        | ...         |
| 1937..... | ...  | ...        | ...         |
| 1938..... | ...  | ...        | ...         |
| 1939..... | ...  | ...        | ...         |
| 1940..... | ...  | ...        | ...         |
| 1941..... | ...  | ...        | ...         |
| 1942..... | ...  | ...        | ...         |
| 1943..... | ...  | ...        | ...         |
| 1944..... | ...  | ...        | ...         |
| 1945..... | ...  | ...        | ...         |
| 1946..... | ...  | ...        | ...         |
| 1947..... | ...  | ...        | ...         |
| 1948..... | ...  | ...        | ...         |
| 1949..... | ...  | ...        | ...         |
| 1950..... | 41,836                                     | 46,769     | 13,712      |
| 1951..... | 42,156                                     | 47,099     | 14,009      |
| 1952..... | 42,460                                     | 47,352     | 14,459      |
| 1953..... | 42,752                                     | 47,607     | 14,845      |
| 1954..... | 43,057                                     | 47,899     | 15,287      |
| 1955..... | 43,428                                     | 48,200     | 15,698      |
| 1956..... | 43,843                                     | 48,469     | 16,123      |
| 1957..... | 44,311                                     | 48,743     | 16,677      |
| 1958..... | 44,789                                     | 49,041     | 17,120      |
| 1959..... | 45,240                                     | 49,356     | 17,522      |
| 1960..... | 45,684                                     | 49,642     | 17,909      |
| 1961..... | 46,163                                     | 49,903     | 18,269      |
| 1962..... | 46,998                                     | 50,191     | 18,600      |
| 1963..... | 47,853                                     | 50,530     | 18,925      |
| 1964..... | 48,416                                     | 50,948     | 19,271      |
| 1965..... | 48,922                                     | 51,381     | 19,604      |

BASIC DATA — CONTINUED