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*Publications of  
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Compiled by

**Conchita A. Salazar  
J. K. Willis**

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## PUBLICATIONS OF LOS ALAMOS RESEARCH 1980

### INTRODUCTION

The Los Alamos National Laboratory (formerly the Los Alamos Scientific Laboratory), which is operated for the US Department of Energy (DOE) by the University of California, was founded in 1943 as part of the wartime Manhattan Project at the site of the Los Alamos Ranch School, a boys' preparatory school in the mountains of northern New Mexico. It had a single assignment—to create the world's first nuclear fission bombs. Success in that task, one of the greatest scientific and technological achievements of all time, was followed by equal success in developing the first thermonuclear weapons. Since 1952, the Laboratory has diversified its programs, and, while still serving as one of the nation's two development centers for nuclear weapons, Los Alamos now devotes about one-half of its total effort to unclassified research, exploring several peaceful applications of nuclear, conventional, and alternative forms of energy. Los Alamos research covers a broad spectrum, ranging from medium- and low-energy nuclear physics research to programs involving medical and biological effects of radiation and basic work in molecular and cellular biology.

Major nonweapons activities at Los Alamos are energy research in fields such as superconducting electrical energy transmission and storage, solar and geothermal energy development, laser fusion research and laser isotope separation, and controlled thermonuclear research using magnetic confinement.

Facilities used in such research at the Laboratory include specialized laboratories; a nuclear reactor designed for a variety of experiments; and particle accelerators such as the 24-MeV, three-stage Van de Graaff particle accelerator and the 27-MeV electron accelerator designed to produce a very intense, very short burst of x rays for high-speed flash radiography. At the Los Alamos Meson Physics Facility, where physics and biomedical experiments are carried out and where production of a variety of radioisotopes for medical use is under way, an 800-MeV, 1-mA-beam linear accelerator produces beams of protons, mesons, and other nuclear particles with intensities up to 10 000 times greater than those available elsewhere. Another of the Laboratory's facilities, ZT-40, is a toroidal reversed-field device for controlled thermonuclear research involving magnetic confinement of hot plasmas for fusion research. A Central Computing Facility with two CRAY-1s, four CDC 7600s, one CDC 6600, and two CYBER 73s assists in the Laboratory's research.

The Laboratory as of 1980 employed approximately 7000 persons, about one-third of whom are scientists and engineers. The total operating costs of the Laboratory, excluding construction, are about \$418 million per year. The value of the DOE-owned buildings and equipment at Los Alamos is over \$725 million.

## PREFACE

The Los Alamos Libraries' continuing program of locating, recording, and announcing publications of Los Alamos-sponsored research has resulted in the previous publications: "Selected Bibliography of Publications of LASL Research, 1957-1962" (LAMS-2895 and supplement), "Publications of LASL Research" for each of the years 1963 through 1966, "Publications of LASL Research, 1967-1971" (LA-5400-MS), "Publications of LASL Research, 1972-1976" (LA-6755-MS, Vols. 1 and 2), "Publications of LASL Research 1977" (LA-7248-MS), "Publications of LASL Research 1978" (LA-8318-MS), and "Publications of LASL Research 1979" (LA-8587-MS).

This bibliography is a compilation of unclassified publications of work done at the Los Alamos National Laboratory for 1980. Papers published in 1980 are included regardless of when they were actually written. Publications received too late for inclusion in earlier compilations have also been listed. Declassification of previously classified reports is considered to constitute publication. All classified issuances are omitted—even those papers, themselves unclassified, which were published only as part of a classified document. If a paper was published more than once, all places of publication are included.

The bibliography includes Los Alamos National Laboratory reports, papers released as non-Laboratory reports, journal articles, books, chapters of books, conference papers published either separately or as part of conference proceedings issued as books or reports, papers published in congressional hearings, theses, and US patents. Publications by Los Alamos authors that are not records of Laboratory-sponsored work are included when the Library becomes aware of them.

The arrangement in each bibliographical citation is title first, place(s) of publication, indented, and authors, further indented. The CHEMICAL ABSTRACTS abbreviation is used for journal citations except for the capitalization. The group designations given after the authors' names indicate the groups with which the authors were associated when the papers were written. Parenthetical information includes report and reprint numbers, book call numbers, and patent numbers. The

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The entries are arranged in sections by broad subject categories. Within each section they are alphabetical by title. All types of publications are interfiled.

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There is a Keyword-in-Context index in microfiche format in a pocket at the end of the volume.

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The Libraries gratefully acknowledge the assistance of members of the Laboratory's Computing Division and the Administrative Data Processing Division for assistance with the computerized system for handling publication information.

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6. COAL CONVERSION AND UTILIZATION--COAL GASIFICATION

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STEWART, LEONA (T-2)  
YOUNG, PHILLIP G., JR. (T-2)

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FOSTER, D. GRAHAM, JR. (T-2)  
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LABAUVE, RAPHAEL J. (T-2)

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YOUNG, PHILLIP G., JR. (T-2)  
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ROSE, P. (NON LASL)

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OTTEWITTE, E. (NON LASL)  
ROSE, P. (NON LASL)

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OTTER, J. (NON LASL)  
OTTEWITTE, E. (NON LASL)  
ROSE, P. (NON LASL)

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MADLUND, DAVID G. (T-2)  
YOUNG, PHILLIP G., JR. (T-2)  
WESTON, L. (NON LASL)  
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PETERSON, A. C. (NON LANL)  
PYUN, JUNG JO (X-7)  
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VIGIL, JOHN C. (Q-DO)  
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MULTIVARIATE STATISTICAL ANALYSIS OF  
STREAM SEDIMENTS FOR MINERAL RESOURCES  
FROM THE CRAIG NTMS QUADRANGLE,  
COLORADO.

LASL,  
1980. 64P. (LA-08328-MS)  
DEYTH, MICHAEL (G-4)  
MCINTEER, CARLOTTA (S-1)  
BROXTON, DAVID E. (G-4)  
BOLIVAR, STEPHEN L. (G-4)  
LUKE, MARY ELIZABETH (G-4)

44-9  
NDA TECHNOLOGY FOR URANIUM RESOURCE  
EVALUATION JANUARY 1 - JUNE 30, 1979.

LASL,  
1980. 30P. (LA-08321-PR)  
EVANS, MICHAEL L. (Q-1)

44-10  
NDA TECHNOLOGY FOR URANIUM RESOURCE  
EVALUATION - JULY 1 - DECEMBER 31, 1979.

LASL,  
1980. 8P. (LA-08490-PR)  
EVANS, MICHAEL L. (Q-1)

44-11  
NURE AND THE NATIONAL PARK SERVICE.

TIC,  
1979. 11P. MN (LA-UR-79-3249)  
WEAVER, THOMAS A. (G-5)

44-12  
OVERVIEW OF THE NATIONAL URANIUM  
RESOURCE EVALUATION HYDROGEOCHEMICAL AND  
STREAM SEDIMENT RECONNAISSANCE PROGRAM.

TIC,  
1980. 40P. MN (LA-UR-80-1012)  
BOLIVAR, STEPHEN L. (G-4)

44-13  
OVERVIEW OF THE NATIONAL URANIUM  
RESOURCE EVALUATION HYDROGEOCHEMICAL AND  
STREAM SEDIMENT RECONNAISSANCE PROGRAM.

LASL,  
1980. 24P. (LA-08457-MS)  
BOLIVAR, STEPHEN L. (G-4)

44-14  
PRESBC. PRESSURE BOUNDARY CONDITIONS  
FOR THE K - FIX CODE. SUPPLEMENT III.  
LASL,  
1980. 17P. (LA-NUREG-6623 SUPPL III)  
TRAVIS, JOHN R. (T-3)  
RIVARD, WILLIAM C. (T-3)

44-15  
QUALITATIVE AND QUANTITATIVE X - RAY  
MINERALOGY - A LAYMAN'S APPROACH.  
LASL,  
1980. 46P. (LA-08409)  
WILLIAMS, JOEL M. (CMB-8)

44-16  
RECONNAISSANCE GEOLOGIC MAP OF  
NORTHERN KAWICH AND SOUTHERN REVEILLE  
RANGES, NYE COUNTY, NEVADA.  
LASL,  
1980. 6 SHEETS. (LA-08390-MAP)  
GARDNER, J.N. (G-4)  
EDDY, ANDREA C. (G-6)  
GOFF, FRASER E. (G-6)  
GRAFFT, K.S. (NON LASL)

44-17  
SAMPLE COLLECTION - AN OVERVIEW OF THE  
HYDROGEOCHEMICAL AND STREAM SEDIMENT  
RECONNAISSANCE PROGRAM.  
TIC  
1970. 42P. MN (LA-UR-79-3376)  
BOLIVAR, STEPHEN L. (G-5)

44-18  
URANIUM AND HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE BOZEMAN  
NTMS QUADRANGLE, MONTANA, INCLUDING  
CONCENTRATIONS OF FORTY - TWO ADDITIONAL  
ELEMENTS.  
LASL,  
1980. 169P. (LA-07504-MS, SUPPL)  
BOLIVAR, STEPHEN L. (G-4)  
HENSLEY, WALTER K. (P-2)  
VAN HAAFTEN, IRMA J. (P-2)  
PIRTLE, DORTHA JUNE (S-1)  
GEORGE, WILLIAM E. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
APEL, CHARLES T. (CMB-1)  
HANSEL, JAMES M. (CMB-1)

44-19  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE TRINIDAD  
NTMS QUADRANGLE, COLORADO, INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.  
LASL,  
1980. 121P. (LA-07345-MS, SUPPL.)  
SHANNON, SPENCER S., JR. (G-9)

44-20  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE DURANGO  
NTMS QUADRANGLE, COLORADO, INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.  
LASL,  
1980. 147P. (LA-07346-MS, SUPPL.)  
SHANNON, SPENCER S., JR. (G-9)

44-21  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE CODY NTMS QUADRANGLE, WYOMING,  
INCLUDING CONCENTRATIONS OF FORTY - TWO  
ADDITIONAL ELEMENTS.  
LASL,  
1980. 147P. (LA-07352-MS)  
BOLIVAR, STEPHEN L. (G-4)  
SANDOVAL, WALTER F. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
MARTINEZ, RONALD G. (NON LASL)  
HENSLEY, WALTER K. (P-2)  
CHEADLE, JESSE M. (S-1)

44-22  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE CASPER  
NTMS QUADRANGLE, WYOMING, INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.  
LASL,  
1980. 171P. (LA-07511-MS)  
LADY, CAROL M. (G-7)

44-23  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE SHIPROCK  
NTMS QUADRANGLE, NEW MEXICO/ARIZONA,  
INCLUDING CONCENTRATIONS OF FORTY TWO  
ADDITIONAL ELEMENTS.  
LASL,  
1980. 194P. (LA-07513-MS)  
MORGAN, TERRANCE L. (G-9)  
PURSON, JOHN D. (G-9)

44-24  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE  
FOR THE TORRINGTON NTMS QUADRANGLE,  
WYOMING, INCLUDING CONCENTRATIONS OF  
FORTY-TWO ADDITIONAL ELEMENTS.  
LASL,  
1980. 105P. (LA-07514-MS)  
SHANNON, SPENCER S., JR. (G-9)

44-25  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE BUTTE NTMS QUADRANGLE, MONTANA,  
INCLUDING CONCENTRATIONS OF FORTY - TWO  
ADDITIONAL ELEMENTS.  
LASL,  
1980. 207P. (LA-07668-MS)  
BROXTON, DAVID E. (G-4)

44-26  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE VERNAL  
NTMS QUADRANGLE, UTAH/COLORADO,  
INCLUDING CONCENTRATIONS OF FORTY - TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 169P. (LA-07670-MS)  
PURSON, JOHN D. (G-9)  
GEORGE, WILLIAM E. (CMB-1)  
MINOR, MICHAEL M. (P-2)  
GALLIMORE, DAVID L. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
GARCIA, SAMMY R. (P-2)  
JACKSON, C. KAY (S-1)

44-27  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE SOCORRO NTMS QUADRANGLE, NEW MEXICO,  
CONCENTRATIONS OF FORTY-TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 145P. (LA-08001-MS)  
PLANNER, H. N. (G-4)  
FUKA, MARY A. (P-2)  
HANKS, DIXIE ELIZABETH (S-1)  
HANSEL, JAMES M. (CMB-1)  
MINOR, MICHAEL M. (P-2)  
MONTAYA, JANET D. (CMB-1)  
SANDOVAL, WALTER F. (CMB-1)

44-28  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE GILLETTE  
NTMS QUADRANGLE, WYOMING, INCLUDING  
CONCENTRATIONS OF FORTY - TWO ADDITIONAL  
ELEMENTS.

LASL,  
1980. 129P. (LA-08003-MS)  
WARREN, RICHARD G. (G-5)  
GEORGE, WILLIAM E. (CMB-1)  
MINOR, MICHAEL M. (P-2)  
SIMI, OLIVER R. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
HENSLEY, WALTER K. (P-2)  
CHEADLE, JESSE M. (S-1)

44-29  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE NEWCASTLE  
NTMS QUADRANGLE, WYOMING, INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.

LASL,  
1980. 147P. (LA-08004-MS)  
GOFF, SUE JACOBSEN (G-5)  
SANDOVAL, WALTER F. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
MARTINEZ, RONALD G. (NON LASL)  
MINOR, MICHAEL E. (P-2)  
MILLS, CAROLYN F. (S-1)

44-30  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE  
THERMOPOLIS NTMS QUADRANGLE, WYOMING,  
INCLUDING CONCENTRATIONS OF FORTY-TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 209P. (LA-08005-MS)  
MAASSEN, LARRY W. (G-4)  
SANDOVAL, WALTER F. (CMB-1)  
MINOR, MICHAEL M. (P-2)  
GALLIMORE, DAVID L. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
HENSLEY, WALTER K. (P-2)  
HANKS, DIXIE ELIZABETH (S-1)

44-31  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE DIXON  
ENTRANCE NTMS AND PRINCE RUPERT D-6  
QUADRANGLES, ALASKA, INCLUDING  
CONCENTRATIONS OF FORTY - TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 133P. (LA-08006-MS)  
WARREN, RICHARD G. (G-4)  
HENSLEY, WALTER K. (P-2)  
HANKS, DIXIE E. (S-1)  
GEORGE, WILLIAM E. (CMB-1)  
APEL, CHARLES T. (CMB-1)  
HANSEL, JAMES M. (CMB-1)  
MILLS, CAROLYN (S-1)

44-32  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE LEWISTOWN NTMS QUADRANGLE, MONTANA,  
INCLUDING CONCENTRATIONS OF FORTY - TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 128P. (LA-08007-MS)  
SHANNON, SPENCER S., JR. (G-9)  
SANDOVAL, WALTER F. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
MACDONELL, CAROLYN J. (P-2)  
MILL, CAROLYN F. (NON LASL)  
BUNKER, MERLE E. (P-2)

44-33  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE DALHART  
NTMS QUADRANGLE, NEW MEXICO/TEXAS/  
OKLAHOMA, INCLUDING CONCENTRATIONS OF  
FORTY-TWO ADDITIONAL ELEMENTS.

LASL,  
1980. 108P. (LA-08008-MS)  
MORGAN, TERRANCE LEE (G-9)  
GEORGE, WILLIAM E. (CMB-1)  
MINOR, MICHAEL M. (P-2)  
APEL, CHARLES T. (CMB-1)  
MARTELL, CALVIN J. (CMB-1)  
GARCIA, SAMMY R. (P-2)  
MC INTEER, CARLOTTA (S-1)

44-34  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE HUTTON NTMS QUADRANGLE, IDAHO/  
MONTANA/WYOMING, INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.

LASL,  
1980. 168P. (LA-08009-MS)  
SHANNON, SPENCER S., JR. (G-9)

44-35  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE HAMILTON NTMS QUADRANGLE, MONTANA/  
IDAHO, INCLUDING CONCENTRATIONS OF  
FORTY-FIVE ADDITIONAL ELEMENTS.

LASL,  
1980. 195P. (LA-08010-MS)  
GOFF, SUE JACOBSEN (G-5)  
GEORGE, WILLIAM E. (CMB-1)  
APEL, CHARLES T. (CMB-1)  
TALCOTT, CAROL L. (NON LASL)  
HENSLEY, WALTER K. (P-2)  
MINOR, MICHAEL M. (P-2)  
THOMAS, GAYLE J. (S-1)

44-36  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE DUBOIS NTMS QUADRANGLE, IDAHO/  
MONTANA, INCLUDING CONCENTRATIONS OF  
FORTY-FIVE ADDITIONAL ELEMENTS.

LASL,  
1980. 173P. (LA-08011-MS)  
LADELFE, CAROL M. (G-7)  
SANDOVAL, WALTER F. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
MARTELL, CALVIN J. (CMB-1)  
FUKA, MARY A. (P-2)  
DENTON, MICHAEL M. (P-2)  
HANKS, DIXIE ELIZABETH (S-1)

44-37  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE  
FOR THE ELK CITY NTMS QUADRANGLE, IDAHO/  
MONTANA, INCLUDING CONCENTRATIONS OF  
FORTY-FIVE ADDITIONAL ELEMENTS.

LASL,  
1980. 212P. (LA-08012-MS)  
BROXTON, DAVID E. (G-4)  
BEYTH, MICHAEL (G-4)

44-38  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE  
THE LEADVILLE NTMS QUADRANGLE, COLORADO,  
INCLUDING CONCENTRATIONS OF FORTY-TWO  
ADDITIONAL ELEMENTS.

LASL,  
1980. 185P. (LA-08013-MS)  
PLANNER, HARRY N. (G-4)  
APEL, CHARLES T. (CMB-1)  
FUKA, MARY A. (P-2)  
GEORGE, WILLIAM E. (CMB-1)  
HANSEL, JAMES M. (CMB-1)  
HENSLEY, WALTER K. (P-2)  
PIRTLE, D. JUNE (S-1)

44-39  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA RELEASE FOR  
THE SANTA FE NTMS QUADRANGLE, NEW  
MEXICO, INCLUDING CONCENTRATIONS OF  
FORTY-TWO ADDITIONAL ELEMENTS.

LASL,  
1980. 135P. (LA-08014-MS)  
BOLIVAR, STEPHEN L. (G-4)  
SANDOVAL, WALTER F. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
MARTELL, CALVIN J. (CMB-1)  
HENSLEY, WALTER K. (P-2)  
THOMAS, GAYLE J. (S-1)  
MINOR, MICHAEL M. (P-2)

44-40  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE OF THE  
SAINT JOHNS NTMS QUADRANGLE,  
ARIZONA/NEW MEXICO INCLUDING  
CONCENTRATIONS OF FORTY-TWO ADDITIONAL  
ELEMENTS.

LASL,  
1980. 158P. (LA-08015-MS)  
MAASSEN, LARRY W. (G-4)

44-41  
URANIUM HYDROGEOCHEMICAL AND STREAM  
SEDIMENT RECONNAISSANCE DATA LISTING  
RELEASE FOR THE THREE FORKS BASIN,  
SPANISH PEAKS, AND BOULDER RIVER AREAS  
IN THE BOZEMAN NTMS QUADRANGLE,  
MONTANA, INCLUDING CONCENTRATIONS OF  
FORTY-SIX ADDITIONAL ELEMENTS.

LASL,  
1980. 131P. (LA-08486-MS)  
BOLIVAR, STEPHEN L. (G-4)  
GEORGE, WILLIAM E. (CMB-1)  
GALLIMORE, DAVID L. (CMB-1)  
APEL, CHARLES T. (CMB-1)  
HANSEL, JAMES M. (CMB-1)  
HENSLEY, WALTER K. (P-2)  
VAN HAAFTEN, IRMA J. (P-2)  
PIRTLE, DORTHA JUNE (S-1)

44-42  
URANIUM HYDROGEOCHEMICAL SURVEY OF WELL  
WATERS FROM AN AREA AROUND PIE TOWN,  
CATRON COUNTY, WEST-CENTRAL NEW MEXICO,  
INCLUDING CONCENTRATIONS OF TWENTY-THREE  
ADDITIONAL ELEMENTS.

LASL,  
1980. 43P. (LA-08017-MS)  
MORGAN, TERRANCE LEE (G-9)  
GEORGE, WILLIAM E. (CMB-1)  
HENSLEY, WALTER K. (P-2)  
THOMAS, GAYLE J. (S-1)  
LANGHORST, ARTHUR L. (NON LANL)

45. NUCLEAR WASTE MANAGEMENT

45-1  
APPLICATION OF LINEAR ACCELERATOR  
TECHNOLOGY TO THE DETECTION OF TRACE  
AMOUNTS OF TRANSURANICS IN WASTE  
BARRELS.

TIC,  
1980. 24P. MN (LA-UR-80-1274)  
CATES, MICHAEL REID (Q-1)  
NOEL, BRUCE W. (WX-10)  
CALDWELL, JOHN T. (Q-2)  
KUNZ, WALTER E. (Q-2)  
CLOSE, DONALD A. (H-1)  
FRANKS, L. A. (H-1)  
PIGG, J. L. (NON LASL)

45-2  
AUTOMATED TRANSURANIC ASSAY SYSTEM FOR  
SOILS.

LASL,  
1980. 32P. (LA-08376-LLWM)  
TRUJILLO, GEORGE (LS-6)  
NYHAN, JOHN W. (LS-6)  
CROWELL, JOHN M. (H-1)

45-3  
CONTROLLED - AIR INCINERATION OF  
ALPHA - BEARING SOLID WASTES.

TIC,  
1980. 23P. MN (LA-UR-80-1428)  
KOENIG, RALPH A., JR. (H-7)  
DRAPER, WILEY E. (H-7)  
NEULS, ALLEN S. (H-7)  
NEWMYER, JOHN M. (H-7)

45-4  
DETECTION OF TRACE AMOUNTS OF  
TRANSURANICS BY RESONANCE IONIZATION  
SPECTROSCOPY OF NOBLE GASES.

NUCL. INSTRUM. METHODS,  
V. 173, P. 317-22. 1980.  
FRANKS, L. A. (NON LASL)  
BORELLA, H. M. (NON LASL)  
CATES, MICHAEL REID (Q-1)  
HURST, G. S. (NON LASL)  
PAYNE, M. G. (NON LASL)

45-5  
ENVIRONMENTAL SAMPLING PROGRAM FOR A  
SOLAR EVAPORATION POND FOR LIQUID  
RADIOACTIVE WASTES.

LASL,  
1980. 7P. (LA-08177)  
ROMERO, RICHARD (H-8)  
GUNDERSON, THOMAS C. (H-8)  
TALLEY, A. DANIEL (H-8)

45-6  
FISSION PRODUCT RELEASE,  
APRIL 1 - JUNE 30, 1980.

LASL,  
1980. 17P. (LA-08539-PR)  
NORRIS, ANDREW E. (CNC-11)

45-7  
GAS GENERATION FROM THE ALPHA  
RADIOLYSIS OF BITUMEN.

NUCL. CHEM. WASTE MANAGE.,  
V. 1, P. 139-42. 1980.  
KOSIEWICZ, STANLEY T. (CMB-1)

45-8  
HEAT PIPE COOLING SYSTEM FOR  
UNDERGROUND, RADIOACTIVE WASTE STORAGE  
TANKS.

LASL,  
1980. 18P. (LA-08230-MS)  
PRENGER, F. COYNE, JR. (Q-13)  
COOPER, KENNETH G. (Q-13)

45-9  
LABORATORY STUDIES OF RADIONUCLIDE  
DISTRIBUTIONS BETWEEN SELECTED  
GROUNDWATERS AND GEOLOGIC MEDIA.

TIC,  
1980. 91P. MN (LA-UR-80-0437)  
ERDAL, BRUCE R. (CNC-11)

45-10  
LABORATORY STUDIES OF RADIONUCLIDE  
DISTRIBUTIONS BETWEEN SELECTED  
GROUNDWATERS AND GEOLOGIC MEDIA,  
QUARTERLY PROGRESS REPORT,  
OCTOBER 1 - DECEMBER 31, 1979.

LASL,  
1980. 44P. (LA-08210-PR)  
ERDAL, BRUCE R. (CNC-11)

45-11  
LABORATORY STUDIES OF RADIONUCLIDE  
DISTRIBUTIONS BETWEEN SELECTED  
GROUNDWATERS AND GEOLOGIC MEDIA, QTLY  
PROGRESS RPT JANUARY 1 - MARCH 31, 1980.

LASL,  
1980. 50P. (LA-08339-PR)  
ERDAL, BRUCE R. (CNC-11)

45-12  
LABORATORY STUDIES OF RADIONUCLIDE  
DISTRIBUTIONS BETWEEN SELECTED  
GROUNDWATERS AND GEOLOGIC MEDIA,  
APRIL 1 - JUNE 30, 1980.

LASL,  
1980. 28P. (LA-08472-PR)  
ERDAL, BRUCE R. (CNC-11)

45-13  
LABORATORY STUDIES OF RADIONUCLIDE  
DISTRIBUTIONS BETWEEN SELECTED  
GROUNDWATERS AND GEOLOGIC MEDIA,  
OCTOBER 1, 1979- SEPTEMBER 30, 1980.

LOS ALAMOS,  
1981. 72P. (LA-08586-PR)  
DANIELS, WILLIAM R. (CNC-11)

45-14  
LIQUID WASTE MANAGEMENT SYSTEMS  
IMPROVEMENT PROGRAMS AT LOS ALAMOS  
SCIENTIFIC LABORATORY.

1980. 28P. MN (LA-UR-80-1145)  
EMELITY, LUDGARD A. (H-7)  
BUCHHOLZ, JERRY R. (H-7)  
STANLEY, PATRICK M. (H-7)

45-15  
LOS ALAMOS SCIENTIFIC LABORATORY WASTE  
MANAGEMENT TECHNOLOGY DEVELOPMENT  
ACTIVITIES - SUMMARY PROGRESS REPORT  
1979.

LASL,  
1980. 74P. (LA-08243-PR)  
JOHNSON, LAMAR J. (DADEB/WM)

45-16  
MEASUREMENT OF PLUTONIUM CONTAMINATION  
AT THE 10-NCI/G LEVEL IN 55 - GALLON  
BARRELS OF SOLID WASTE WITH A  
CALIFORNIUM-252 ASSAY SYSTEM.

TIC,  
1979. 10P. MN (LA-UR-79-2416)  
CRANE, T. W. (Q-1)

45-17  
MEASUREMENT OF URANIUM AND PLUTONIUM IN  
SOLID WASTE BY PASSIVE PHOTON OR  
NEUTRON COUNTING AND ISOTOPIC NEUTRON  
SOURCE INTERROGATION.

LASL,  
1980. 88P. (LA-08294-MS)  
CRANE, T. W. (Q-1)

45-18  
MEASUREMENT SYSTEM FOR HIGH ENRICHED  
SPENT FUEL ASSEMBLIES AND WASTE  
SOLIDS.

TIC,  
1979. 13P. MN (LA-UR-79-1857)  
ECCLESTON, GEORGE W. (Q-1)  
MENLOVE, HOWARD O. (Q-5)  
ECHO, MAURICE W. (NON LASL)

45-19  
OVERVIEW OF THE INCINERATOR OFFGAS  
SYSTEM STUDY.

TIC,  
1980. 5P. MN (LA-UR-80-0696)  
STRETZ, LARRY A. (H-7)

45-20  
PARAMETERS AFFECTING RADIONUCLIDE  
MIGRATION IN GEOLOGIC MEDIA.

TIC,  
1979. 11P. MN (LA-UR-79-2992)  
ERDAL, BRUCE R. (CNC-11)  
BAYHURST, BARBARA P. (CNC-11)  
DANIELS, WILLIAM R. (CNC-11)  
DEVILLIERS, SYLVIA J. (CNC-11)  
HEIKEN, GRANT H. (G-6)  
LAWRENCE, FRANCINE O. (CNC-11)  
SYKES, M. L. (G-6)  
SMYTH, JOSEPH R. (G-6)  
THOMPSON, JOE L. (CNC-11)  
VINE, ELIZABETH N. (CNC-11)  
WOLFSBERG, KURT (CNC-11)

45-21  
POTENTIAL MICROBIAL IMPACT ON  
TRANSURANIC WASTES UNDER CONDITIONS  
EXPECTED IN THE WASTE ISOLATION PILOT  
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CRANE, T. W. (Q-1)  
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INJECTOR OPERATIONS AT LAMPF.

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PULSERS FOR DRIVING SUB - OHM  
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HARDEKOPF, ROBERT A. (P-7)

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BONNER, BILLY E. (P-7)  
WILLARD, H. B. (NON LASL)  
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ARDOUIN, D. (NON LASL)

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HARDEKOPF, ROBERT A. (P-7)

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NUCLEON BREAKUP REACTION  $1H(D,P)PN$   
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53-17  
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POLARIZED PROTON, PROTON HELIUM 3  
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SPECTRA.  
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AFNAN, IRAJ R. (NON LASL)

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WEISS, DOUGLAS L. (T-5)

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DEBOER, F. (NON LASL)  
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OHLSEN, GERALD G. (P-7)

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HAOUAT, G. A. (NON LASL)  
DROSG, MANFRED (P-3)  
HILL, N. W. (NON LASL)  
NILSSON, L. (P-3)

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EXPERIMENTS FOR DEUTERON PLUS DEUTERON,  
DEUTERON PLUS TRITON AND TRITON P.  
TRITON.  
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HARDEKOPF, ROBERT A. (P-7)  
BROWN, RONALD E. (P-7)  
CORRELL, FRANCIS D. (P-7)  
OHLSEN, GERALD G. (P-7)

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SCHENTER, R. E. (NON LASL)  
SCHMITTROTH, F. (NON LASL)

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MAYNARD, CHARLES W. (NON LASL)

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STROTTMAN, DANIEL D. (T-9)

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POTENTIAL ON DEEP INELASTIC PION-NUCLEAR  
REACTIONS.

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OOTHOUT, M. A. (MP-1)  
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LANG, P. M. (CO)  
NANN, H. (NON LASL)  
SETH, KAMAL K. (NON LASL)  
MC DANIELS, DAVID K. (NON LASL)  
VARGHESE, PHILIP (NON LASL)  
KOZLOWSKI, THOMAS (MP-1)  
MADLAND, DAVID G. (T-5)  
MORRIS, CHRISTOPHER L. (MP-10)  
PRATT, JOHN C. (Q-2)  
SPENCER, J. E. (NON LASL)  
TANAKA, NOBUYUKI (MP-10)  
THIessen, HENRY A. (MP-10)  
BLANPIED, GARY S. (MP-10)  
HOFFMANN, G. W. (MP-10)  
LILJESTRAND, R. (MP-10)  
FONG, J. C. (NON LASL)  
IGO, GEORGE J. (NON LASL)  
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WHITTEN, C. A., JR. (NON LASL)

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DUBACH, JOHN (T-5)  
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53-58  
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MOSES, JOHN D. (P-3)  
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SUNIER, JULES W. (P-7)

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WILHELMY, JERRY B. (CNC-11)  
DUPZYK, RONALD J. (NON LASL)  
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ONE - BODY - DISSIPATION MODEL.  
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MOLLER, PETER (NON LASL)  
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AJZENBERG-SELOVE, FAY (NON LASL)  
BROWN, RONALD E. (P-7)  
CIZEWSKI, JOLIE A. (P-7)  
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WARNER, CHARLES (NON LASL)

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ASSAY SYSTEMS.  
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JOHNSON, SUSAN S. (Q-1)  
SPEIR, LESLIE GAYLE (Q-1)  
SPIRIO, CARMELO A. (Q-1)  
TAPE, JAMES W. (Q-1)  
WALTON, GREGORY (Q-1)  
WALTON, RODDY B. (Q-1)

56-25  
EVALUATION OF IN - LINE NONDESTRUCTIVE  
ASSAY SYSTEMS, APRIL 1 - JUNE 30, 1980.

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ENSSLIN, NORBERT (Q-1)  
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JOHNSON, SUSAN S. (Q-1)  
PARKER, JACK L. (Q-1)  
SAMPSON, THOMAS E. (Q-1)

56-26  
EVALUATION OF PROCESS INVENTORY  
UNCERTAINTIES.

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56-27  
EVALUATION OF TREATMENTS TO ATTAIN  
ISOTOPIC EQUILIBRATION OF PLUTONIUM  
PRECEDING THE RESIN BEAD TECHNIQUE FOR  
MASS SPECTROMETRIC ASSAY ANALYSIS OF  
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EXPERIMENTAL COMPARISON OF THE ACTIVE  
WELL COINCIDENCE COUNTER WITH THE  
RANDOM DRIVER.

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ENSSLIN, NORBERT (Q-1)  
SAMPSON, THOMAS E. (Q-2)

56-31  
GAMMA - RAY MEASUREMENTS FOR URANIUM  
ENRICHMENT STANDARDS.

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GAS - PHASE URANIUM HEXAFLUORIDE  
ENRICHMENT MONITOR FOR ENRICHMENT PLANT  
SAFEGUARDS.

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IMPLEMENTING ADVANCED DATA ANALYSIS  
TECHNIQUES IN NEAR - REAL - TIME  
MATERIALS ACCOUNTING.

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MARKIN, JACK T. (Q-4)  
BAKER, ALICE LELIA (Q-4)  
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56-35  
IMPROVED KANNE TRITIUM MONITORING  
SYSTEM.

TIC,  
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ANDERSON, DAVID F. (H-1)  
HIEBERT, RICHARD D. (E-5)

56-36  
IN - LINE MONITOR OF PLUTONIUM HOLDUP  
IN GLOVEBOX FILTERS.

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IN - PROCESS INVENTORY ESTIMATION FOR  
PULSED COLUMNS AND MIXER - SETTLERS.  
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BEYERLEIN, A. L. (NON LASL)

56-38  
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ASSAY INSTRUMENTS FOR PLUTONIUM  
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TAPE, JAMES W. (Q-1)  
SPEIR, LESLIE GAYLE (Q-1)  
MARAMAN, WILLIAM J. (CMB-11)

56-39  
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HOLDUP MONITOR.  
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LANGNER, DIANA C. (Q-1)  
SPRINKLE, JAMES K. (Q-1)  
SAMPSON, THOMAS E. (Q-2)  
CANADA, THOMAS R. (Q-3)

56-41  
INSTRUMENT FOR MEASUREMENT OF PLUTONIUM  
CONCENTRATION AND ISOTOPICS OF PRODUCT  
SOLUTIONS AT TOKAI - MURA.  
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COWDER, LEO ROSS (Q-1)  
HSUE, SIN-TAO (Q-5)  
JOHNSON, SUSAN S. (Q-1)  
PARKER, JACK L. (Q-1)  
RUSSO, P. A. (Q-1)  
SPRINKLE, JAMES K. (Q-1)  
ASAKURA, Y. (NON LASL)  
FUKUDA, T. (NON LASL)  
KONDO, I. (NON LASL)

56-42  
INTERNATIONAL TRAINING COURSE ON NUCLEAR  
MATERIALS ACCOUNTABILITY FOR SAFEGUARDS  
PURPOSES - PROCEEDINGS, SANTA FE, NM  
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HATCHER, CHARLES R. (Q-1)  
REILLY, T. DOUGLAS (Q-5)  
PONTES, B. (NON LASL)

56-43  
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NUCLEAR FILTRATION SYSTEMS (CONSTRUCTION  
DETAILS OF A LARGE SHOCK TUBE).  
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SMITH, PHILLIP R. (NON LASL)  
GREGORY, WILLIAM S. (WX-8)

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POND WITH NO FUEL MOVEMENT AND AN  
UNCOLLIMATED DETECTOR.  
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RINARD, PHILLIP M. (Q-5)

56-45  
IRRADIATED FUEL MONITORS. PRELIMINARY  
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FRANCE, STEPHEN W. (Q-2)  
KEPHART, JOHN F. (L-4)  
KUNZ, WALTER E. (Q-2)  
MOSS, CALVIN E. (Q-2)  
NICHOLSON, NICHOLAS (Q-2)  
PRATT, JOHN C. (Q-2)  
ROBBA, ARNOLD A. (Q-2)  
WHITTLESEY, T.H. (NON LANL)

56-46  
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FISSIONABLE MATERIALS SAFEGUARDS.  
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MARSH, SINCLAIR F. (CMB-1)

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MARSH, SINCLAIR F. (CMB-1)

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DAYEM, HASSAN ALY (Q-4)  
DIETZ, RUDOLPH J., JR. (DAD/SS)  
FOLEY, JOHN E. (Q-DO)  
GUTMACHER, R. G. (Q-4)  
MARKIN, JACK T. (Q-4)  
MENLOVE, HOWARD O. (Q-5)  
OSTENAK, CARL ANDREW (Q-4)  
PHILLIPS, JOHN R. (Q-5)  
REILLY, T. DOUGLAS (Q-5)  
SHIPLEY, JAMES P., JR. (Q-4)  
SMITH, DARRYL B. (Q-4)  
THOMAS, CHARLES C., JR. (Q-3)  
WHITTY, WILLIAM J. (Q-4)  
BARNES, JAMES W. (WX-4)  
BENNETT, J. E. (NON LASL)  
BEYERLEIN, A. L. (NON LASL)  
BURKHART, L. E. (NON LASL)  
CERMAK, A. F. (NON LASL)  
ENGLER, D. R. (NON LASL)

56-49  
MATERIALS MANAGEMENT IN AN  
INTERNATIONALLY SAFEGUARDED FUELS  
REPROCESSING PLANT, VOL. 1.

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COBB, DONALD D. (Q-4)  
DAYEM, HASSAN ALY (Q-4)  
DIETZ, RUDOLPH J., JR. (DAD/SS)  
KERN, EDWARD A. (Q-4)  
MARKIN, JACK T. (Q-4)  
SHIPLEY, JAMES P., JR. (Q-4)  
BARNES, JAMES W. (WX-4)  
SCHEINMAN, L. A. (NON LASL)

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METAL BUTTONS WITH THE HIGH - LEVEL  
NEUTRON COINCIDENCE COUNTER OPERATING  
IN THE ACTIVE MODE.

LASL,  
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FOLEY, JOHN E. (Q-DO)

56-52  
MEASUREMENT OF PLUTONIUM OXALATE IN  
THERMAL NEUTRON COINCIDENCE COUNTERS.

TIC,  
1979. 10P. MN (LA-UR-79-2759)  
MARSHALL, ROBERT S. (Q-3)  
ERKKILA, BRUCE H. (Q-3)

56-53  
MEASUREMENT TRENDS FOR FUTURE  
SAFEGUARDS SYSTEMS.

TIC,  
1980. 23P. MN (LA-UR-80-1817)  
BALOGA, STEPHEN M. (NON LASL)  
HAKKILA, E. ARNOLD (Q-4)

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SORPTION OF URANIUM AND AMERICIUM  
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THOMPSON, JOE L. (CNC-11)  
WOLFSBERG, KURT (CNC-11)

56-55  
MICROCOMPUTER BASED SHELF SYSTEM TO  
MONITOR SPECIAL NUCLEAR MATERIALS IN  
STORAGE.

TIC,  
1980. 22P. MN (LA-UR-80-1795)  
NICHOLSON, NICHOLAS (Q-2)  
KUCKERTZ, THOMAS H. (E-5)  
ETHRIDGE, C. DWAYNE (E-5)

56-56  
NDA TECHNIQUE FOR THE ASSAY OF WET  
PLUTONIUM OXALATE.

TIC,  
1980. 8P. MN (LA-UR-80-1780)  
MARSHALL, ROBERT S. (Q-3)  
CANADA, THOMAS R. (Q-3)

56-57  
NEUTRON MULTIPLICATION CORRECTIONS FOR  
PASSIVE NEUTRON WELL COUNTERS.

LASL,  
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KRICK, MERLYN S. (Q-5)

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NEW DEVELOPMENT IN NONDESTRUCTIVE  
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MEDINA, EVITA G. (Q-1)  
HATCHER, CHARLES R. (Q-1)  
CAINE, JAMES C. (MP-13)

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HALBIG, JAMES K. (Q-5)  
HSUE, SIN-TAO (Q-5)  
LINDQUIST, LLOYD O. (Q-5)  
ORTEGA, EVITA M. (Q-5)  
CAINE, JAMES C. (Q-5)  
SWANSEN, JAMES E. (Q-1)  
KAIEDA, KEISUKE (Q-5)  
DERMENDJIEV, ELMIR (NON LASL)
- 56-60  
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NONDESTRUCTIVE ASSAY INSTRUMENT FOR MEASUREMENT OF PLUTONIUM IN SOLUTIONS.  
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HSUE, FAYE (Q-3)  
LI, T. K. (Q-3)  
CANADA, THOMAS R. (Q-3)
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- 56-64  
NONINTRUSIVE IRRADIATED FUEL INVENTORY CONFIRMATION TECHNIQUE.  
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1980. 6P. MN (LA-UR-80-0689)  
DOWDY, EDWARD J. (Q-2)  
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SPRINKLE, JAMES K. (Q-1)
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KEEPIN, G. ROBERT (Q-DO)
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TIC  
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KRICK, MERLYN S. (R-1)  
EVANS, ALBERT E. (R-5)

56-72

ONE - NANOCOURIE PER GRAM SENSITIVITY  
TRANSURANIC WASTE ASSAY SYSTEM USING  
3ED NEUTRON INTERROGATION.

TIC  
1980. 8P. MN (LA-UR-80-1794)  
KUNZ, WALTER E. (Q-2)  
ATENCIO, J. D. (Q-2)  
CALDWELL, JOHN T. (Q-2)

56-73

OPERATOR - INDEPENDENT REACTOR  
POWER MONITOR.

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HASTINGS, RAY D. (Q-2)

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EATON, MICHAEL J. (NON LASL)

56-75

PLUTONIUM -242 ISOTOPIC VERIFICATION.

LASL,  
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SAMPSON, THOMAS E. (Q-1)  
JOHNSON, SUSAN S. (Q-1)  
KRONCKE, K. (Q-1)

56-76

PLUTONIUM ISOTOPIC COMPOSITION BY  
GAMMA RAY SPECTROSCOPY.

LASL,  
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HSUE, SIN-TAO (Q-5)  
SAMPSON, THOMAS E. (Q-1)  
PARKER, JACK L. (Q-1)  
JOHNSON, SUSAN S. (Q-1)  
BOWERSOX, DAVID F. (CMB-11)

56-77

POTENTIAL IMPROVEMENTS IN MATERIALS  
ACCOUNTING FOR AN INTERNATIONALLY  
SAFEGUARDED FUELS REPROCESSING PLANT.

TIC  
1980. 7P. MN (LA-UR-80-0740)  
HAKKILA, E. ARNOLD (Q-4)  
DAYEM, HASSAN ALY (Q-4)  
COBB, DONALD D. (Q-4)  
DIETZ, RUDOLPH J., JR. (DAD/SS)  
SHIPLEY, JAMES P., JR. (Q-4)

56-78

PREPARATION OF WORKING REFERENCE  
MATERIALS. CALCINED WASTE RECOVERY  
PRODUCTS CONTAINING URANIUM OR  
PLUTONIUM.

LASL,  
1980. 9P. (LA-08348)  
REIN, JAMES E. (CMB-1)  
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56-79

PROGRESS ON INTEGRATED SAFEGUARDS  
ASSESSMENT.

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CHAMBERS, WILLIAM H. (Q-DO)

56-80

RADIATION DETECTORS AS SURVEILLANCE  
MONITORS FOR IAEA SAFEGUARDS.

LASL,  
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FEHLAU, PAUL E. (Q-2)  
DOWDY, EDWARD J. (Q-2)

56-81

RAPID FUEL DRAWER SCANNER FOR FAST  
CRITICAL ASSEMBLY SAFEGUARDS.

TIC  
1980. 15P. MN (LA-UR-80-1796)  
PRATT, JOHN C. (Q-2)  
CALDWELL, JOHN T. (Q-2)  
FRANCE, STEPHEN W. (Q-2)  
HASTINGS, RAY D. (Q-2)  
HSU, H. H. (Q-2)  
SHUNK, EDWARD R. (Q-2)

56-82

REAL-TIME INVENTORY SYSTEM FOR SPECIAL  
NUCLEAR MATERIAL.

TIC  
1979. 18P. MN (LA-UR-79-1247)  
KUCKERTZ, THOMAS H. (E-5)  
ETHRIDGE, C. DWAYNE (E-5)  
NICHOLSON, NICHOLAS (Q-2)

56-83

REQUIREMENTS FOR NEAR-REAL-TIME  
ACCOUNTING OF STRATEGIC NUCLEAR  
MATERIALS IN NUCLEAR FUEL  
REPROCESSING.

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BOBROWICZ, FRANK W. (NON LASL)  
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CARTER, KEITH D. (H-5)

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KELLEY, NATHAN E. (NON LASL)  
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KELLOGG, L. S. (NON LASL)  
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KEMME, JOSEPH E. (Q-13)  
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KEMP, EDWIN L., JR. (AT-4)  
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KEMP, EDWIN L., JR. (CTR-DO)  
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KENNEDY, R. CRAIG (AP-3)  
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KENT, RICHARD A. (CMB-11)  
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KEPHART, JOHN F. (L-4)  
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KEPHART, JOHN F. (R-2)  
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KEPPLE, PAUL C. (NON LASL)  
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KERKER, MILTON (NON LASL)  
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KERR, DONALD M., JR. (DIR-O)  
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KERR, EUGENE C. (P-10)  
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KERR, VERNON N. (H-11)  
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KERRISK, JERRY F. (CMB-11)  
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KERSHNER, JAMES D. (T-14)  
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KERWIN, WILLIAM J. (NON LASL)  
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KEWISH, RALPH W. (CTR-4)  
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KHAN, M. (NON LASL)  
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KIDMAN, RUSSELL B. (T-2)  
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KIEFER, PETER  
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KILLEEN, J. (NON LASL)  
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KIM, DOOCHUL (NON LASL)  
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KIM, KWAN (NON LASL)  
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KIM, KYU C. (AP-3)  
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KIM, KYU C. (AP-4)  
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KINCAID, JOHN M. (T-11)  
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KINDEL, JOSEPH M. (X-1)  
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KING, DAVID S. (NON LASL)  
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KING, N. S. P. (J-12)  
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KING, N. S. P. (P-12)  
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KING, N. S. P. (P-15)  
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KING, W. (NON LASL)  
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KIRCHNER, WALTER L. (Q-8)  
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KIRK, WILLIAM L. (Q-DO)  
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KIRSCHMEN, CHRISTINA (NON LASL)  
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KIRSCHNER, CHRISTINA (NON LASL)  
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KLEBESADEL, RAY W. (P-4)  
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KLEEMAN, W. THOMAS (NON LASL)  
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KLEIER, DANIEL A. (T-12)  
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KLEIN, M. (X-1)  
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KLEIN, SHARON L.  
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KLEINSCHMIDT, PHILLIP D. (CMB-5)  
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KLEVANS, EDWARD H. (NON LASL)  
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KLIGERMAN, MORTON M. (DIR/ADRT)  
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KLINE, JOHN VIRGIL (CMB-1)  
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KLINGNER, C. THOMAS (C-8)  
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KMETKO, EDWARD A. (CMB-5)  
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KMETYK, LUBOMYRA N. (CMB-8)  
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KOELLING, JERRY J. (WX-8)  
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KOENIG, DANIEL R. (Q-13)  
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KOHLMILLER, NANCY A. (NON LASL)  
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KOLSTAD, CHARLES D. (S-2)  
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KONDO, I. (NON LASL)  
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KOSIEWICZ, STANLEY (CMB-1)  
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KOSS, DON A. (CMB-5)  
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KRALL, N. A. (NON LANL)  
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KRANE, KENNETH S. (NON LASL)  
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KRUGER, RICHARD P. (M-5)  
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KRUGER, RICHARD P. (M-8)  
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LOWENTHAL, DENNIS D. (NON LASL)  
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