

U.S. Department of Agriculture
Forest Service
General Technical Report SO-31

Selected Bibliography on Southern Range Management, 1973-1978



The Trail Boss

H.A. Pearson, R.D. Child, E.K. Byington, H.E. Grelen, C.E. Lewis

Southern
Forest
Experiment
Station

Acknowledgments

The Committee expresses appreciation to Joe W. Howell and Hanne H. Hansen for their efforts in collecting the original citations; to Hanne H. Hansen, Mary B. O'Hara, Mary Ann Plaskett, and Ruth Slusher for computerizing the citations; to Linda Hoyt for secretarial support; and to Margaret S. Jennings, Sylvianne Easton, Linda A. Korb and Howard W. Mobley for editorial assistance and verification.

Contents

	<i>Page</i>
INTRODUCTION	1
RANGE PLANTS	3
General	3
Systematic Botany	3
Forage Value	3
Problem Plants	4
Ecology	5
Physiography and Soils	6
Ecosystems	6
Physiology and Morphology	7
Genetics, Pathology, and Entomology	8
RANGE MANAGEMENT	9
General	9
Range Forage Production, Utilization, and Maintenance	9
Improvements and Range Developments	10
Introduced Plants and Pasture Management	11
Plant Characteristics	12
Quality	14
Establishment	15
Management	16
Production	19
Fertilization	19
Plant Control	21
Chemical	21
Mechanical and Biological	23
Grazing Systems	23
RANGE LIVESTOCK	24
General	24
Breeds and Breeding	25
Feeds and Feeding	28
Livestock Diseases and Pests	31
RANGE INFLUENCES	33
General	33
Forestry	33
Recreation	35
Water and Soil	35
Fire	36
RANGE RESOURCES AND ECONOMICS	38
General	38
Marketing, Finances, and Statistics	41
Multiple Use	43
RANGE RESEARCH	44
General	44
Modeling	46
RANGE EDUCATION	47
General	47
WILDLIFE MANAGEMENT	48
General	48
Food Habits	49
Species Characteristics	50
Habitat	50
Statistics	52
INDEX OF AUTHORS	53
INDEX OF KEYWORDS	59

Selected Bibliography on Southern Range Management, 1973–1978

H.A. Pearson, R.D. Child, E.K. Byington, H.E. Grelen, C.E. Lewis

*Committee on Range Bibliography of the Southern Section,
Society for Range Management*

Introduction

This bibliography is the fourth of a series inaugurated in 1963 for the purpose of recording publications that deal importantly with the forest ranges of the South, and with the livestock and wildlife utilizing this vast resource.

For the first number of the series,¹ the compilers appraised all literature that had accrued through 1961. The second bibliography² spanned the years 1962–1967. The third bibliography³ covered the years 1968–1972 and somewhat strengthened the wildlife section with some minor changes. The present list contains over 1000 entries and updates the coverage of publications through 1978; the present classification system expands or modifies some previous categories to provide additional attention to interactions among the various uses of the southern range. This listing should provide information relevant to the diverse interests of land managers, stockmen, conservationists, scientists, teachers, and students.

As in the first three bibliographies in this series, the southern range area is considered to extend from eastern Oklahoma to Virginia, and from southern Kentucky and Missouri to the Gulf of Mexico. Because pasture commonly augments the diets of

cattle that subsist chiefly on range forage, pertinent publications on supplemental pastures and cropland are included.

The present, 1973–1978, bibliography inaugurates a new production process. Citations collected by WINROCK International Livestock Research and Training Center were used to create a computer-based bibliographic file. This file was edited, corrected, updated, categorized, and indexed by a team of range scientists (the authors), editors, librarians, technical information specialists, and computer specialists. For the most part, team members worked together from their own offices by using various communication channels—many computer-based—to achieve the joint effort described above. The publication appears to be similar to earlier bibliographies in this series, but the author index, the keyword index, the computer typesetting, and camera-ready copy were drawn from the corrected computer-based file records as by-products—requiring little additional effort.

Another by-product is a searchable data base. The records from the computer file are now part of CORR (Communications on Renewable Resources), an information resource available for searching through Bibliographic Retrieval Services, Inc. (BRS). Access to CORR may be obtained through Richard L. Knox, Leader, Technology Transfer Group, Forest Service, U.S. Department of Agriculture, Box 2417, Washington, D.C. 20013. Development of this and other subsets of CORR relevant to range management have been sponsored jointly by the Interagency Range Information Committee. Cooperation by the Forest Service (Vern L. Thompson, Don D. Seaman, Theodore V. Russell), the Soil Conservation Service (Donald T. Pendleton, Douglas V. Sellars) of the U.S. Department of

¹Campbell, R.S., L.K. Halls, and H.P. Morgan. 1963. Selected bibliography on southern range management. USDA Forest Service Research Paper SO-2, 62 p. Southern Forest Experiment Station, New Orleans, Louisiana.

²Duvall, V.L., A.W. Johnson, and L.L. Yarlett. 1968. Selected bibliography on southern range management, 1962–1967. USDA Forest Service Research Paper SO-38, 34 p. Southern Forest Experiment Station, New Orleans, Louisiana.

³Pearson, H.A., C.E. Lewis, G.E. Probasco, and G.L. Wolters. 1973. Selected bibliography on southern range management, 1968–1972. USDA Forest Service General Technical Report SO-3, 50 p. Southern Forest Experiment Station, New Orleans, Louisiana.

Agriculture and the Bureau of Land Management (Ron Younger and Edward L. Fisk) of the U.S. Department of the Interior has made the Committee's work possible. Mary B. O'Hara, Forest Service Technical Information Specialist, has provided leadership and direction in developing the concept of CORR and CORR products. Cooperation between the Forest Service and the U.S. Department of Energy has provided valuable computer services, particularly use of ORCHIS, a system developed at Oak Ridge National Laboratory.

Sources consulted included books, periodicals, publications of the U.S. Government, and of State Agricultural Experiment Stations, releases of regional organizations and private foundations, and bibliographies with abstracts. Periodicals searched included:

Agronomy Journal
American Forests
American Journal of Botany
American Midland Naturalist
Botanical Gazette
Botanical Review
Crop Science
Ecology
Ecological Monographs
Economic Botany
Forest Farmer
Forests and People
Forest Science
Gulf Coast Cattleman
Journal of Animal Science

Journal of Forestry
Journal of Range Management
Journal of Soil and Water Conservation
Journal of Wildlife Management
Soil Science
The Cattleman

Several members of the Society for Range Management and State and Federal agencies reviewed an initial draft of the bibliography and supplied additional pertinent references and suggestions:

Elvis R. Beaty, Agronomy Department, University of Georgia, Athens, Ga.
Nathan A. Byrd, Southeastern Area, State and Private Forestry, USDA Forest Service, Atlanta, Ga.
Raymond D. Evans, Missouri Department of Conservation, Jefferson, Mo.
Sam D. Halverson, Region 8-Southern Region, USDA Forest Service, Atlanta, Ga.
Dennis H. Hunter, School of Forest Resources and Conservation, University of Florida, Gainesville, Fla.
Norwin E. Linnartz, School of Forestry and Wildlife Management, Louisiana State University, Baton Rouge, La.
H. Dean Moberly, Department of Economics, Auburn University, Montgomery, Ala.
John D. Powell, Georgia Agricultural Experiment Station, Americus, Ga.
George E. Probasco, USDA Forest Service, North Central Forest Experiment Station, Columbia, Mo.
David W. Sanders, USDA Soil Conservation Service, Jackson, Miss.
Ronald E. Thill, USDA Forest Service, Southern Forest Experiment Station, Pineville, La.
J. Wayne Weaver, USDA Soil Conservation Service, Springfield, Mo.

Range Plants

GENERAL

General phases of southern range vegetation.

1. Anonymous.
1976. Grasses and legumes in Texas—development, production, and utilization. Texas Agricultural Experiment Station Research Monograph RM-6. Texas A&M University, College Station, TX. 58 p.
2. Heath, M.E., D.S. Metcalfe, and R.F. Barnes, eds.
1973. Forages: the science of grassland agriculture. Third edition. Iowa State University Press, Ames, IA. 755 p.
3. Yarlett, L.L.
1974. Important native grasses for range conservation in Florida [Mimeo.]. U.S. Department of Agriculture, Soil Conservation Service, Fort Worth, TX 76115. 163 p.

SYSTEMATIC BOTANY

Systematic botany (including dendrology), keys and identification aids, botanical expeditions, plant introduction, and accounts of large herbaria.

4. Brown, C.A., and H.E. Grelen.
1977. Identifying hardwoods growing on pine sites. USDA Forest Service General Technical Report SO-15. Southern Forest Experiment Station, New Orleans, LA. 69 p.
5. Chester, E.W.
1975. Range extensions and first reports for some Tennessee vascular plants. *Castanea* 40(1):56-63.
6. Dean, B.E., A. Mason, and J.L. Thomas.
1973. Wildflowers of Alabama and adjoining states. University of Alabama Press, Birmingham, AL. 230 p.
7. Duncan, W.H., and L.E. Foote.
1975. Wildflowers of the southeastern United States. University of Georgia Press, Athens, GA. 296 p.
8. Gould, F.W.
1975. The grasses of Texas. Texas A&M University Press, College Station, TX. 653 p.
9. Grelen, H.E.
1974. Pinehill bluestem, *Andropogon scoparius* var. *divergens* Anderss ex. Hack., an anomaly of the *A. scoparius* complex. *American Midland Naturalist* 91(2):438-444.

10. Grelen, H.E.
1974. Variation in pinehill bluestem, a southern ecotype of the *Andropogon scoparius* complex. *Journal of Range Management* 27(4):283-284.
11. Horn, F.P., C.M. Taliaferro, and W.G. Jackson.
1975. New bluestems from the old world. Research Report P-725. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 40-41.
12. Jones, F.B.
1975. Flora of the Texas coastal bend. Rob and Bessie Welder Wildlife Foundation, Sinton, TX. 262 p.
13. Long, R.W., and O. Lakela.
1976. Flora of tropical Florida: a manual of the seed plants and ferns of southern peninsular Florida. Banyan Books, Miami, FL. 962 p.
14. Oefinger, S.W., Jr., and L.K. Halls.
1974. Identifying woody plants valuable to wildlife in southern forests. USDA Forest Service Research Paper SO-92. Southern Forest Experiment Station, New Orleans, LA. 76 p.
15. Radford, A.E., W.C. Dickison, J.R. Massey, and C.R. Bell.
1974. Vascular plant systematics. Harper & Row, New York. 891 p.
16. Roedner, B.J., D.A. Hamilton, and K.E. Evans.
1978. Rare plants of the Ozark Plateau: a field identification guide. North Central Forest Experiment Station, St. Paul, MN. 238 p.
17. Sundell, E.
1979. A bibliography of Louisiana botany 1951-1975. *Tulane Studies in Zoology and Botany* 21(1):1-66.

FORAGE VALUE

Palatability and nutritive, seasonal, and general values of southern range plants and plant parts as forage and in the diets of livestock, wild mammals, and birds. Special foods such as acorns and other mast. See also Quality and Food Habits.

18. Bickel, J.R.
1978. Seeding clearcuts in the Ouachita Mountains of Arkansas to improve forage value. Thesis (M.S.), University of Arkansas, Fayetteville, AR.

19. Bonner, F.T.
1974. Chemical components of some southern fruits and seeds. USDA Forest Service Research Note SO-183. 4 p.
20. Buckner, J.L., J.L. Landers, J.A. Barker, and C.J. Perkins.
1979. Wildlife food plants following preparation of longleaf pine sites in southwest Georgia. Southern Journal of Applied Forestry 3(2):56-59.
21. Dixon, K.E., J.F. Hentges, Jr., and L.O. Bagnall.
1978. Acceptability of hydrilla silage and hay in cattle diets. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 93-96.
22. Gumaa, A.N.
1977. Cattle diet species composition as affected by rest treatments and forage availability. Thesis (M.S.), University of Florida, Gainesville, FL. 71 p.
23. Kautzsch, S.H., D.G. Wagner, J. Powell, and R.W. Hammond.
1977. Plant chemical composition and digestibility of rangeland forage. In Animal science research report. Beef and dairy cattle, swine, sheep, poultry and their products. Thayer, R.H., and J.R. Cozart, eds. Miscellaneous Publication MP-101. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 31-34.
24. Krueger, W.C., W.A. Laycock, and D.A. Price.
1974. Relationships of taste, smell, sight, and touch to forage selection. Journal of Range Management 27(4):258-262.
25. Lewis, C.E., R.S. Lowrey, W.G. Monson, and F.E. Knox.
1975. Seasonal trends in nutrients and cattle digestibility of forage on pine-wiregrass range. Journal of Animal Science 41(1):208-212.
26. Pearson, H.A.
1976. Botanical composition of cattle diets on a southern pine-bluestem range. USDA Forest Service Research Note SO-216. Southern Forest Experiment Station, New Orleans, LA. 3 p.
27. Pearson, H.A.
1976. Cattle forage evaluated by fistula technique on southern forest grasslands. In Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatel'vstz MIR, Moscow, USSR. p. 548-552.
28. Rome, J.M., L.I. Smart, D.F. Coombs, J.M. Perkins, and F. Hembry.
1976. Nutrient content and digestibility of permanent pasture. Livestock Producers' Day, 8 Jan 1976, Baton Rouge, LA. Livestock Producers' Day Report, 16th Annual. Louisiana State University, Baton Rouge, LA. p. 185-189.
29. Short, H.L., R.M. Blair, and E.A. Epps, Jr.
1973. Estimated digestibility of some southern browse tissues. Journal of Animal Science 36(4):792-796.
30. Short, H.L., R.M. Blair, and C. Segelquist.
1974. Fiber composition and forage digestibility by small ruminants. Journal of Wildlife Management 38(2):197-209.
31. Short, H.L., and E.A. Epps, Jr.
1976. Nutrient quality and digestibility of seeds and fruits from southern forests. Journal of Wildlife Management 40(2):283-289.
32. Short, H.L., and C. Segelquist.
1975. Elbon rye as quality forage to Ozark deer during winter. Agronomy Journal 67(1):92-93.
33. Stallcup, O.T., Z. Johnson, and C.J. Brown.
1975. Use of predictive equations for estimating the net energy value of forages. Arkansas Agricultural Experiment Station Bulletin 801. University of Arkansas, Fayetteville, AR. 18 p.
34. Stark, N., and R. Steele.
1977. Nutrient content of forest shrubs following burning. American Journal of Botany 64(10):1218-1224.
35. Stransky, J.J., J.N. Hale, and L.K. Halls.
1976. Nutrient content and yield of burned or mowed Japanese honeysuckle. In Proceedings. 29th Southeastern Association of Game and Fish Commissioners Annual Conference, 12-15 Oct 1975, St. Louis, MO. Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 403-406.
36. Templeton, W.C., Jr.
1976. Quality forage for milk and beef production. In Proceedings. 9th Research-Industry Conference, 9-11 Feb 1976, Louisville, KY. Johnson, G., ed. American Forage and Grassland Council, Lexington, KY 40503. p. 32-44.
37. Young, S.A.
1977. Quality of cattle diet under short duration grazing in north Florida. Thesis (M.S.), University of Florida, Gainesville, FL. 71 p.

PROBLEM PLANTS

Poisonous or otherwise noxious range plants, including parasites, exclusive of control of such plants. See also Plant Control.

38. Binns, W.
1973. Effects of poisonous plants on the range livestock industry. In Range research and range problems. Annual Meeting Crop Science Society of America, Aug 1970, Tucson, AZ. Wright, M.J., R.W. Howell, and H. Hamilton, eds. CSSA Special Publication No. 3. Crop Science Society of America, Madison, WI 53711. p. 43-54.

39. Call, J.W., and L.F. James.
1976. Effect of feeding pine needles on ovine reproduction. *Journal of the American Veterinary Medical Association* 169(12):1301-1302.
40. Call, J.W., and L.F. James.
1978. Pine needle abortion in cattle. *In* Effects of poisonous plants on livestock. Proceedings. Joint United States-Australian Symposium on Poisonous Plants, 19-24 Jun 1977, Utah State University, Logan, UT. Keeler, R.F., K.R. Van Kampen, and L.F. James, eds. Academic Press, New York. p. 587-590.
41. Currey, W., and P. Mislevy.
1974. Smutgrass control in Florida. *Down to Earth* 29(4):6-9.
42. Farnell, D.R., M.C. Futrell, V.H. Watson, W.E. Poe, and R.E. Coats.
1975. Field studies on etiology and control of fescue toxicosis. *Journal of Environmental Quality* 4(1):120-122.
43. Freeman, J.D., and H.D. Moore.
1974. Livestock-poisoning vascular plants of Alabama. *Alabama Agricultural Experiment Station Bulletin* 460. Auburn University, Auburn, AL. 79 p.
44. Futrell, M.C., D.R. Farnell, W.E. Poe, V.H. Watson, and R.E. Coats.
1974. Fungal populations in the rumen associated with fescue toxicosis. *Journal of Environmental Quality* 3(2):140-142.
45. Grelen, H.E., and W.F. Mann, Jr.
1973. Distribution of senna seymeria (*Seymeria cassioides*)—a root parasite on southern pines. *Economic Botany* 27(3):339-342.
46. Hardin, J.W.
1973. Stock-poisoning plants of North Carolina. *North Carolina Agricultural Experiment Station Bulletin* 414 (rev.). North Carolina State University, Raleigh, NC. 138 p.
47. Hemphill, D.D., C.J. Marienfeld, R.S. Reddy, W.D. Heidlage, and J.O. Pierce.
1973. Toxic heavy metals in vegetables and forage grasses in Missouri's lead belt. *Journal of the Association of Official Analytical Chemists* 56(4):994-998.
48. Keeler, R.F., K.R. Van Kampen, and L.F. James, eds.
1978. Effects of poisonous plants on livestock. Proceedings. Joint United States-Australian Symposium on Poisonous Plants, 19-24 Jun 1977, Utah State University, Logan, UT. Academic Press, New York. 600 p.
49. Mann, W.F., Jr.
1976. Severe defoliation of *Seymeria cassioides* (Scrophulariaceae) by the buckeye butterfly (Nymphalidae). *Journal of the Elisha Mitchell Scientific Society* 92(1):14-16.
50. Musselman, L.J., and H.E. Grelen.
1979. A population of *Aureolaria pedicularia* (L.) Raf. Scrophulariaceae without oaks. *American Midland Naturalist* 102(1):175-177.
51. Osborn, J.E., and G.V. Witkowski.
1974. Economic impact of brush encroachment in Texas. *Southern Journal of Agricultural Economics* 6(2):95-100.

ECOLOGY

Range ecology, habitat classification systems, plant communities, shoot and root responses, and ecological methods of study. See also Ecosystems.

52. Chen, M.Y.
1974. Effects of herbicides and repeated burns on the understory vegetation of loblolly short-leaf pine forests on hilly terrain. Thesis (Ph.D.), Auburn University, Auburn, AL. 143 p.
53. Cypert, E.
1973. Plant succession on burned areas in Okefenokee Swamp following fires of 1954 and 1955. *In* Proceedings. 12th Tall Timbers Fire Ecology Conference, 8-9 Jun 1972, Lubbock, TX. Tall Timbers Research Station, Tallahassee, FL. p. 199-217.
54. Duvall, V.L.
1973. Climatic factors governing forage quantity and quality. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. American Society of Agronomy Special Publication No. 21. American Society of Agronomy, Madison, WI. p. 19-24.
55. Harlow, R.F.
1976. Plant responses to thinning and fencing in a hydric hammock and cypress pond in central Florida. USDA Forest Service Research Note SE-230. Southeastern Forest Experiment Station, Asheville, NC. 7 p.
56. Heywood, V.H., ed.
1973. Taxonomy and ecology. Academic Press, New York. 370 p.
57. Holt, E.C., and R.D. Lewis, eds.
1976. Grasses and legumes in Texas: development, production and utilization. Texas Agricultural Experiment Station Research Monograph RM6C. Texas A&M University, Agricultural Experiment Station, College Station, TX. 478 p.
58. Krefting, L.W., and C.E. Ahlgren.
1974. Small mammals and vegetation changes after fire in a mixed conifer-hardwood forest. *Ecology* 55(6):1391-1398.
59. Kretschmer, A.E., Jr.
1976. Growth and adaptability of centrosema species in south Florida. Proceedings. Soil and Crop Science Society of Florida, 36. p. 164-168.
60. Mislevy, P.
1977. Response of perennial grasses to grazing frequency. ONA Research Report ARC-1977-5. University of Florida, Gainesville, FL. 54 p.

61. Nicholson, S.A., and C.D. Monk.
1974. Plant species diversity on old-field succession on the Georgia Piedmont. *Ecology* 55(5):1075-1085.
62. Noble, R.E., and P.K. Murphy.
1975. Short term effects of prolonged backwater flooding on understory vegetation. *Castanea* 40(3):228-238.
63. Noble, R.E., and P.K. Murphy.
1974. Understory composition of an unveeved Mississippi River bottomland forest. Louisiana State University Forestry Notes No. 105. 4 p.
64. Scifres, C.J., and J.L. Mutz.
1975. Secondary succession following extended inundation of Texas coastal rangeland. *Journal of Range Management* 28(4):279-282.
65. Sharpe, D.M., and W.C. Johnson.
1974. Biomass dynamics of the commercial forests of the Tennessee Valley. *In* IUFRO biomass studies. Working Party on Mensuration of Forest Biomass, 25-29 Jun 1973; 20-24 Aug 1973, Nancy, France; Vancouver, British Columbia, Canada. Young, H., ed. EDFB, US-IBP No. 100. University of Maine Press, Orono, ME. p. 143-157.
66. White, D.A., T.E. Weiss, J.M. Trapani, and L.B. Thien.
1978. Productivity and decomposition of the dominant salt marsh plants in Louisiana. *Ecology* 59(4):751-759.
67. Yarlett, L.L.
1978. Creeping bluestem—number 1 grass on flatwood ranges. *Florida Cattleman and Livestock Journal* 42(10):38-39.
68. Anonymous.
1974. Farmers and ranchers: soil surveys can help you. U.S. Department of Agriculture Program Aid 1047. U.S. Department of Agriculture, Soil Conservation Service, Washington, DC. 8 p.
69. Blair, R.M., and L. Brunett.
1976. Phytosociological changes after timber harvest in a southern pine ecosystem. *Ecology* 57(1):18-32.
70. Brupbacher, R.H., J.E. Sedberry, Jr., and W.H. Willis.
1973. The coastal marshlands of Louisiana: chemical properties of the soil materials. Louisiana Agricultural Experiment Station Bulletin 672. Louisiana State University and Agricultural and Mechanical College, Baton Rouge, LA. 34 p.
71. Crawford, H.S.
1975. Soil-site and forest land management decisions in relation to wildlife. *In* Forest soils and forest management. Proceedings. 4th North American Forest Soils Conference, Aug 1973, Laval University, Quebec. Bernier, B., and C.H. Winget, eds. Les Presses de L'Universite Laval, Quebec. p. 571-581.
72. Leithead, H.L.
1973. Soil surveys—guides to forage quantity and quality. *In* Range resources of the south-eastern United States. Symposium, 1972, Miami Beach, FL. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 25-33.
73. Smeins, F.E., T.W. Taylor, and L.B. Merrill.
1976. Vegetation of a 25-year enclosure on the Edwards Plateau of Texas. *Journal of Range Management* 29(1):24-29.

Ecosystems

Forest and range classification and inventory systems, habitat types, and interactions.

74. Carter, C., and R.H. Hughes.
1974. Longleaf-slash pine-wiregrass range. *In* Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. p. 13-16.
75. Crawford, H.S., and I.R. Porter.
1974. Upland hardwood-bluestem range. *In* Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia, College of Agriculture, Tifton, GA. p. 17-19.
76. De Santo, R.S., ed.
1979. *Environmental Management* 3(1, Special Fire Issue):1-98.
77. Dinger, B.E., and W.F. Harris, eds.
1973. Terrestrial primary production. *In* Proceedings. Interbiome Workshop on Gaseous Exchange Methodology, 13-14 Apr 1972, Oak Ridge, TN. Environmental Sciences Division Publication No. 524. 73-6. Oak Ridge National Laboratory, Oak Ridge, TN.
78. Grelen, H.E.
1974. Longleaf-slash pine-bluestem range. *In* Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. p. 9-12.
79. Grelen, H.E., and C.E. Lewis.
1978. Multi-resource inventories: a potential of the forest survey. *In* Proceedings. Renewable Natural Resources National Workshop, 8-12 Jan 1978, Tucson, AZ. USDA Forest Service General Technical Report RM-55. Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO. p. 425-429.
80. Hughes, R.H.
1975. The native vegetation in south Florida related to month of burning. USDA Forest Service Research Note SE-222. 8 p.

81. Kelsey, C.T., III, F.G. Goff, and D. Fields.
1977. Theory and analysis of vegetation pattern. Environmental Sciences Division Publication No. 922. EDFP-IBP-76/3. Oak Ridge National Laboratory, Oak Ridge, TN. 167 p.
82. Kercher, J.R., and H.H. Shugart.
1975. Trophic structure, effective trophic position and connectivity in food webs. *American Naturalist* 109(966):191-206.
83. Komarek, E.V.
1974. Effects of fire on temperate forests and related ecosystems: southeastern United States. *In Fire and ecosystems*. Kozlowski, T.T., and C.E. Ahlgren, eds. Academic Press, New York. p. 251-277.
84. Kozlowski, T.T., and C.E. Ahlgren, eds.
1974. Fire and ecosystems. Academic Press, New York. 542 p.
85. O'Neill, R.V., W.F. Harris, B.S. Ausmus, and D.E. Reichle.
1975. A theoretical basis for ecosystem analysis with particular reference to element cycling. *In [Proceedings]. Mineral Cycling in Southeastern Ecosystems*, 1-3 May 1974, Augusta, GA. Howell, F.G., J.B. Gentry, and M.H. Smith, eds. ERDA Symposium Series 36. CONF-740513. Energy Research and Development Administration, Technical Information Center, Oak Ridge, TN. p. 28-40.
86. Pearson, H.A.
1976. Multiple-use inventories in the Louisiana coastal plain. *In Proceedings. 29th Southeastern Association of Game and Fish Commissioners Annual Conference*, 12-15 Oct 1975, St. Louis, MO. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 682-686.
87. Pruitt, B.C., and S.E. Gatewood.
1976. Vegetative community mapping of the Kissimmee River floodplain before and after canalization. Florida Department of Administration, Division of State Planning, Bureau of Comprehensive Planning, Tallahassee, FL. 57 p.
88. Rangeland Reference Area Committee, Society for Range Management.
1975. Rangeland reference areas. *Range Science Series No. 3*. Society for Range Management, Denver, CO 80204. 66 p.
89. Ranney, J.W.
1977. Forest island edges—their structure, development and importance to regional forest ecosystem dynamics. Environmental Sciences Division Publication 1069. EDFB/IBP-77/1. Oak Ridge National Laboratory, Oak Ridge, TN. 38 p.
90. Stransky, J.J., E.S. Nixon, C.L. Burandt, Jr., and R.L. Willett.
1974. First-year revegetation following timber harvest in east Texas. USDA Forest Service Research Note SO-173. Southern Forest Experiment Station, New Orleans, LA. 7 p.
91. Swank, W.T., and J.E. Douglass.
1977. Nutrient budgets for undisturbed and manipulated hardwood forest ecosystems in the mountains of North Carolina. *In Watershed research in eastern North America: a workshop to compare results*. Volume 1. Carroll, D.L., ed. Smithsonian Institution, Edgewater, MD. p. 343-364.
92. White, L.D.
1975. Ecosystem analysis of Paynes Prairie. Florida School of Forest Report 24. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. 355 p.
93. Wolters, G.L., and A.T. Wilhite, Jr.
1974. Loblolly-shortleaf pine-hardwood range. *In Range resources of the South (Rev.)*. Georgia Agricultural Experiment Station Bulletin N.S. 9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. p. 20-23.
94. Yarlett, L.L.
1974. Marsh range. *In Range resources of the South (Rev.)*. Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. p. 24-26.

PHYSIOLOGY AND MORPHOLOGY

Functions, life processes, nutrition, and physiological requirements of range plants. Anatomy and development.

95. Brown, R.W.
1977. Water relations of range plants. *In Rangeland plant physiology*. Sosebee, R.E., ed. Range Science Series 4. Society for Range Management, Denver, CO. p. 97-140.
96. Emal, J.G., and E.C. Conard.
1973. Seed dormancy and germination in indiagrass as affected by light, chilling, and certain chemical treatments. *Agronomy Journal* 65(3):383-385.
97. Ewel, K.C., J.F. Bamble, and A.E. Lugo.
1975. Aspects of mineral-nutrient cycling in a southern mixed-hardwood forest in north central Florida. *In Mineral cycling in southeastern ecosystems. Proceedings. Symposium*, 1-3 May 1974, Augusta, GA. Howell, F.G., J.B. Gentry, and M.H. Smith, eds. U.S. Energy Research and Development Administration, Oak Ridge, TN. p. 700-714.
98. Haines, B.
1975. Patterns of potassium, magnesium and calcium uptake during southeastern old-field succession. *In [Proceedings]. Mineral Cycling in Southeastern Ecosystems*, 1-3 May 1974, Augusta, GA. Howell, F.G., J.B. Gentry, and M.H. Smith, eds. ERDA Symposium Series 36. CONF-740513. Energy Research and Development Administration, Technical Information Center, Oak Ridge, TN. p. 605-621.

99. Halls, L.K.
1973. Flowering and fruiting of southern browse species. USDA Forest Service Research Paper SO-90. Southern Forest Experiment Station, New Orleans, LA. 10 p.
100. Howell, F.G., J.B. Gentry, and M.H. Smith, eds.
1975. [Proceedings]. Mineral Cycling in Southeastern Ecosystems, 1-3 May 1974, Augusta, GA. ERDA Symposium Series 36. CONF-740513. Energy Research and Development Administration, Technical Information Center, Oak Ridge, TN.
101. Hyder, D.N.
1974. Morphogenesis and management of perennial grasses in the United States. *In* Plant morphogenesis as the basis for scientific management of range resources. Proceedings. Workshop of United States-Australia Rangelands Panel, 29 Mar-5 Apr 1971, Berkeley, CA. Kreitlow, K.W., and R.H. Hart, coordinators. U.S. Department of Agriculture Miscellaneous Publication 1271. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC. p. 89-98.
102. Jung, G.A., R.E. Kocher, C.F. Gross, C.C. Berg, and O.L. Bennett.
1976. Seasonal fluctuations of non-structural carbohydrate concentration in forage of cool-season grasses. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatel'vstzo MIR, Moscow, USSR. p. 285-293.
103. Larcher, W.
1975. Physiological plant ecology. Springer-Verlag, New York. 252 p.
104. Lugo, A.E., J.F. Gamble, and K.C. Ewel.
1978. Organic matter budget in a mixed-hardwood forest in north central Florida. *In* Environmental chemistry and cycling processes. Environmental Cycling and Chemistry Symposium, 28 Apr-1 May 1976, Augusta, GA. Adriano, D.C., and I.L. Brisbrin, Jr., eds. DOE Symposium Series 45. CONF-760429.
105. McKendrick, J.D., C.E. Owensby, and R.M. Hyde.
1975. Big bluestem and indiangrass vegetative reproduction and annual reserve carbohydrate and nitrogen cycles. *Agro-Ecosystems* (Amsterdam) 2(1):75-93.
106. Moser, L.E.
1977. Carbohydrate translocation in range plants. *In* Rangeland plant physiology. Sosebee, R.E., ed. Range Science Series 4. Society for Range Management, Denver, CO. p. 47-71.
107. Plummer, A.P.
1974. Morphogenesis and management of woody perennials in the United States. *In* Plant morphogenesis as the basis for scientific management of range resources. Proceedings. Workshop of United States-Australia Rangelands Panel, 29 Mar-5 Apr 1971, Berkeley, CA. Kreitlow, K.W., and R.H. Hart, coordinators. U.S. Department of Agriculture Miscellaneous Publication 1271. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC. p. 72-80.
108. Sosebee, R.E., ed.
1977. Rangeland plant physiology. Range Science Series 4. Society for Range Management, Denver, CO. 290 p.
109. Swank, W.T., and G.S. Henderson.
1976. Atmospheric input of some cations and anions to forest ecosystems in North Carolina and Tennessee. *Water Resources Research* 12(3):541-546.
110. Wilkinson, S.R., and R.S. Lowrey.
1973. Cycling of mineral nutrients in pasture ecosystems. *In* Chemistry and biochemistry of herbage, Vol. 2. Butler, G.W., and R.W. Bailey, eds. Academic Press, London, England. p. 247-315.
111. Wolters, G.L.
1974. Longleaf uniola and spike uniola require shade. *Journal of Range Management* 27(1):45-47.

GENETICS, PATHOLOGY, AND ENTOMOLOGY

Heredity, cytology, and range plant breeding; diseases and insects of range plants, their causes, effects, and treatments.

112. Asay, K.H., A.G. Matches, and C.J. Nelson.
1977. Effect of leaf width on responses of tall fescue genotypes to defoliation treatment and temperature regimes. *Crop Science* 17(5):816-818.
113. Boyce, K.G., D.F. Cole, and D.O. Chilcote.
1976. Effect of temperature and dormancy on germination of tall fescue. *Crop Science* 16(1):15-18.
114. Brown, A.D.
1974. Spittle bug plague threatens south Texas range. *Cattleman* 60(12):46, 48.
115. Buckner, R.C., G.T. Webster, P.B. Burrus, II, and L. Bush.
1976. Cytological, morphological, and agronomic characteristics of tall X giant fescue hybrids and their amphiploid progenies. *Crop Science* 16(6):811-816.
116. Burton, G.W.
1976. Improving forage quality by breeding. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatel'vstzo MIR, Moscow, USSR. p. 21-28.
117. Heinrichs, D.H.
1975. Potentials of legumes for rangelands. *In* Improved range plants. 28th Annual Meeting Society for Range Management, 5 Feb 1974, Tucson, AZ. Campbell, R.S., and C.S. Herbel, eds. Range Symposium Series No. 1. Society for Range Management, Denver, CO. p. 50-61.

118. Reichle, D.E., R.A. Goldstein, R.I. Van Hook, Jr., and G.J. Dodson.
1973. Analysis of insect consumption in a forest canopy. *Ecology* 54(5):1076-1084.
119. Ulagaraj, S.M.
[n.d.]. Mole crickets: ecology, behavior, and dispersal flight. *Environmental Entomology* 4(2):265-273.
120. Wright, L.N.
1975. Improving range grasses for germination and seeding establishment under stress environments. *In* Improved range plants. 28th Annual Meeting Society for Range Management, 5 Feb 1974, Tucson, AZ. Campbell, R.S., and C.S. Herbel, eds. Range Symposium Series No. 1. Society for Range Management, Denver, CO. p. 3-22.

Range Management

GENERAL

General discussions of southern ranges, including range surveys, management plans, and livestock distribution.

121. Baldwin, L.B., R.A. Nordstedt, and L.D. White.
1976. Beef cattle and the environment. *In* Beef cattle in Florida. Bulletin No. 28. Florida Department of Agriculture and Consumer Services, Tallahassee, FL 32301. p. 292-297.
122. Byrd, N.A.
1976. Forest grazing opportunities. *Forest Farmer* 35(7):8-9, 20.
123. Carter, C.
1973. Management of undesirable native plant species. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. Campbell, R.S., and W. Keller, eds. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 35-40.
124. Carter, C.
1973. Forage inventory, grazing plans, key to successful planning. *Florida Cattlemen and Livestock Journal* 38(2):128,130,132.
125. Dietz, H.E.
1975. Grass: the stockman's crop. Shield Publishing Company, Lindsborg, KS. 15 p.
126. Grelen, H.E.
1978. Forest grazing in the South. *Journal of Range Management* 31(4):244-250.
127. Lewis, C.E.
1978. Inventory and forage capability determination. *In* Proceedings. Cooperative Forest Management Technical Training Session, 1977, Gainesville, FL. Florida Department of Agriculture and Consumer Services, Division of Forestry, Tallahassee, FL. p. 10-19.
128. Lugo, A.E.
1973. Ecological management of south Florida range ecosystems for maximum environmental quality. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. Campbell, R.S., and W. Keller, eds. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 57-68.
129. Trew, T.B.
1976. Grassland management in Virginia. *Rangeman's Journal* 3(5):139-140.
130. U.S. Department of Agriculture, Soil Conservation Service.
1976. National range handbook. U.S. Department of Agriculture, Soil Conservation Service, Washington, DC. 152 p.
131. Webb, B.B., W.E. McMurphy, L.M. Romann, J. Stritzke, R.W. Hammond, C.W. Lantz, and C.A. Osterhaus.
1975. Sarkeys research and development report. Oklahoma Agricultural Experiment Station Miscellaneous Publication 95. Oklahoma State University, Stillwater, OK. 31 p.
132. White, L.D., and C. Carter.
1977. Range resource management trends for beef cow production in Florida. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, p. 5-11.

RANGE FORAGE PRODUCTION, UTILIZATION, AND MAINTENANCE

Production and use of range forage, including grazing capacity, systems of forage management, range condition, and adaptability of ranges to different kinds of animals. See also Grazing Systems.

133. Beaty, E.R., J.L. Engel, and J.D. Powell.
1978. Tiller development and growth in switchgrass. *Journal of Range Management* 31(5):361-365.
134. Bell, H.M.
1973. Rangeland management for livestock production. University of Oklahoma Press, Norman, OK. 308 p.

135. Byrd, N.A., and C.E. Lewis.
1976. Managing southern pine forests to produce forage for beef cattle. State and Private Forestry Management Bulletin 76-22. U.S. Department of Agriculture, Forest Service, Southeastern Area, State and Private Forestry, Atlanta, GA. 6 p.
136. Carter, C., and L.L. Yarlett.
1973. Incorporating forage resources into a year-round grazing program. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. Campbell, R.S., and W. Keller, eds. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 51-55.
137. Dodd, J.D., R. Jurries, and A.T. Weichert.
1975. Native forage production on fallow rangelands. *In* Rangeland resources research 1971-1974. Texas Agricultural Experiment Station Progress Report PR-3341. Texas A&M University, College Station, TX. p. 47-48.
138. Dodd, J.D., R. Jurries, and A.T. Weichert.
1975. Stimulating native forage production for livestock and wildlife on fallow riceland. Texas Agricultural Experiment Station Progress Report PR-3325C. Texas A&M University, College Station, TX. 8 p.
139. Durham, A.J., and M.M. Kothmann.
1977. Forage availability and cattle diets on the Texas coastal prairie. *Journal of Range Management* 30(2):103-106.
140. Hughes, R.H.
1974. Management and utilization of pineland threeawn range in south Florida. *Journal of Range Management* 27(3):186-192.
141. Jorgensen, J.R.
1978. Growth of legumes on forest soils fertilized at low rates. USDA Forest Service Research Note SE-251. Southeastern Forest Experiment Station, Asheville, NC. 7 p.
142. Mislevy, P.
1977. Influence of harvest management systems on the performance of tropical grasses. *Proceedings. Soil and Crop Science Society of Florida*, 36. p. 168-172.
143. Moore, W.H.
1978. Managing jointvetch for deer and cattle. USDA Forest Service Research Note SE-259. Southeastern Forest Experiment Station, Asheville, NC. 6 p.
144. Oefinger, R.D., and C.J. Scifres.
1977. Gulf cordgrass production, utilization, and nutritional value following burning. *Texas Agricultural Experiment Station Bulletin* 1176. Texas A&M University, College Station, TX. 19 p.
145. Oliver, W.M.
1973. Three winter-summer forage systems for growing stocker steers. *Louisiana Agriculture* 16(4):12-14.
146. Pearson, H.A.
1974. Forest-range grazing offers relief to cattlemen. *Louisiana Cattleman* 7(11):7.
147. Pearson, H.A.
1975. Herbage disappearance and grazing capacity determinations of southern pine bluestem range. *Journal of Range Management* 28(1):71-73.
148. Pearson, H.A.
1976. Utilization of a forest grassland in southern United States. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelstvzo MIR, Moscow, USSR. p. 543-547.
149. Roush, R.D., and L.L. Yarlett.
1973. Creeping bluestem compared with four other native range grasses. *Journal of Range Management* 26(1):19-21.

IMPROVEMENTS AND RANGE DEVELOPMENTS

General publications on range improvements and developments. Mechanical or artificial developments, including stock-watering places, trails and driveways, fences, corrals, and chutes. See also Introduced Plants And Pasture Management, Fertilization, Plant Control, and Fire.

150. Allan, J.R., and S. Smoliak.
1973. Maintaining water quality through control of aquatic vegetation. *In* Proceedings. Water-Animal Relations Symposium, Jun 1973, Twin Falls, ID. U.S. Department of Agriculture, Science and Education Administration, Agricultural Research (SEA-AR), Water-Animal Relations Committee, Kimberly, ID 83341. p. 140-151.
151. Anonymous.
1973. Building a pond. *Farmer's Bulletin* 2256. U.S. Department of Agriculture, Soil Conservation Service, Washington, DC. 14 p.
152. Armiger, W.H., J.N. Jones, and O.L. Bennett.
1976. Revegetation of land disturbed by strip mining of coal in Appalachia. U.S. Department of Agriculture, Agricultural Research Service NE-71. USDA ARS-NE-71. U.S. Department of Agriculture, Agricultural Research Service, Beltsville, MD. 38 p.
153. Bay, R.R.
1976. Rehabilitation potentials and limitation of surface mined lands. *In* Transactions. 41st North American Wildlife and Natural Resources Conference, 21-25 Mar 1976, Washington, DC. Wildlife Management Institute, Washington, DC. p. 345-355.

154. Gallop, R.M.
1974. Roadside slope revegetation—past and current practice on the national forests. U.S. Department of Agriculture, Forest Service, Equipment Development Center, San Dimas, CA. 37 p.
155. Moore, W.H.
1979. Effects of site preparation on dry prairie vegetation in south Florida. IMPAC Report 4(7). University of Florida, Gainesville, FL. 12 p.
156. Ragsdale, B.J.
1975. Save with suspension fences. *Rangeman's Journal* 2(6):174.

INTRODUCED PLANTS AND PASTURE MANAGEMENT

Development and grazing of improved pastures and introduced plants. Includes establishment and use of grazed firebreaks.

157. Anonymous.
1978. Forage systems for cow-yearling producers. *Progressive Farmer* 93(9):20-21.
158. Beaty, E.R., J.W. Dobson, and A.E. Smith.
1978. Tall fescue tiller weights, green forage present, and forage IVDMD. *Agronomy Journal* 70(2):223-226.
159. Beaty, E.R., J.L. Engel, and J.D. Powell.
1977. Yield, leaf growth, and tillering in bahiagrass by N rate and season. *Agronomy Journal* 69(2):308-311.
160. Beaty, E.R., K.H. Tan, R.A. McCreery, J.H. Edwards, and R.L. Stanley.
1976. Returned clippings and N fertilization on bahiagrass herbage production and nitrogen and organic matter contents of soil. *Agronomy Journal* 68(2):384-387.
161. Beaty, E.R., O.L. Brooks, D.D. Hayes, N.D. McRainey, and F.P. Gardner.
1978. Alfalfa for Georgia. *Research Bulletin* 211. University of Georgia, Agricultural Experiment Station, Athens, GA 30601. 19 p.
162. Brown, W.E., J.M. Spiers, and C.W. Thurman.
1976. Performance of five warm-season perennial grasses grown in southern Mississippi. *Agronomy Journal* 68(5):821-823.
163. Carpenter, J.C., Jr.
1976. Pasture management systems for improved calf production. *Livestock Producers' Day*, 8 Jan 1976, Baton Rouge, LA. *Livestock Producers' Day Report*, 16th Annual. Louisiana State University, Baton Rouge, LA. p. 35-37.
164. Deterling, D.
1978. The ABC's of a forage-beef system: no-work forage plan. *Progressive Farmer* 93(9):22.
165. Dobson, J.W., and E.R. Beaty.
1977. Forage yields of five perennial grasses with and without white clover at four nitrogen rates. *Journal of Range Management* 30(6):461-465.
166. Dobson, J.W., E.R. Beaty, and C.D. Fisher.
1978. Tall fescue yield, tillering and invaders as related to management. *Agronomy Journal* 70(4):662-666.
167. Doll, E.C., and G.O. Mott.
1975. Tropical forages in livestock production systems. *American Society of Agronomy Special Publication* 24. American Society of Agronomy, Madison, WI. 104 p.
168. Fribourg, H.A., and J.R. Overton.
1973. Extending the season of forage production on bermudagrass sods by overseedings. *Tennessee Farm and Home Science. Progress Report* 85:2-7.
169. Fribourg, H.A., and J.R. Overton.
1973. Forage production on bermudagrass sods overseeded with tall fescue and winter annual grasses. *Agronomy Journal* 65(2):295-298.
170. Gallaher, R.N., and D.G. Cummins.
1976. Year-round forage production utilizing multiple cropping-minimum tillage management. *Georgia Agriculture Research* 17(3):12-14.
171. Gallaher, R.N., L.R. Nelson, and R.R. Bruce.
1976. Double cropping wheat and sorghum forage. *Georgia Agriculture Research* 17(4):9-12.
172. Harris, R.R., V.L. Brown, C.C. King, S.C. Bell, W.B. Anthony, and E.M. Evans.
1976. Crop and beef cattle production systems. *Alabama Agricultural Experiment Station Bulletin* 478. Auburn University, Auburn, AL. 35 p.
173. Hodges, E.M., and F.G. Martin.
1975. Forage production of perennial grasses as affected by fertilizer rate and season. *Proceedings. Soil and Crop Science Society of Florida*, 34. p. 158-161.
174. Hoveland, C.S., R.F. McCormick, and E.L. Carden.
1976. Maintaining fescue stands in bahia-fescue mixtures. *Highlights of Agricultural Research* 23(1):9.
175. Knight, W.E.
1977. Grass legume mixtures for quality forage production. *In Proceedings. Beef Cattle Short Course 1977*, 11 Jan 1977, Tifton, GA. University of Georgia, Cooperative Extension Service, Athens, GA. p. 15-27.
176. Knight, W.E., V.H. Watson, and T. Kight.
1975. Research reveals value of renewed interest in legumes. *Mississippi Agricultural and Forestry Experiment Station Research Report*, Volume I, Number 19. Mississippi State University, Mississippi State, MS. 4 p.
177. Knox, J.W., and J.Y. Oakes.
1974. Coastal bermuda for grazing and hay production. *Livestock Producers' Day*, 9 Jan 1974,

- Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 152-155.
178. Kretschmer, A.E., Jr., J.B. Brolmann, G.H. Snyder, and G.J. Gascho. 1973. Production of six tropical legumes each in combination with three tropical grasses in Florida. *Agronomy Journal* 65(6):890-892.
 179. Larson, K.L., and B. Strong. 1977. Bermudagrass-legume management. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. 79p.
 180. Love, R.M., and C.M. McKell. 1973. Range pastures and their improvement. *In* Forages: the science of grassland agriculture. Third edition. Heath, M.E., D.S. Metcalfe, and R.F. Barnes, eds. Iowa State University Press, Ames, IA. p. 617-626.
 181. Matches, A.G., B. Anderson, and M. Mitchell. 1977. Research with warm-season grasses. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 43-44.
 182. McCormick, M.E. 1977. Effects of forage variety, fertilizer and cutting on nutritive value and yield of various forages. Thesis (M.S.), Louisiana State University, Baton Rouge, LA. 81 p.
 183. Mislevy, P., J.B. Washko, and J.D. Harrington. 1977. Influence of plant stage at initial harvest and height of regrowth at cutting on forage yield and quality of timothy and orchardgrass. *Agronomy Journal* 69(3):353-356.
 184. Morey, D.D. 1973. Rye improvement and production in Georgia. Georgia Agricultural Experiment Station Research Bulletin 129. University of Georgia, Tifton, GA. 38 p.
 185. Nelson, C.J., H.N. Wheaton, and B. Strong. 1977. Birdsfoot trefoil management. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 64-70.
 186. Ocumpaugh, W.R., and A.G. Matches. 1977. Autumn-winter yield and quality of tall fescue. *Agronomy Journal* 69(4):639-643.
 187. Offutt, M.S., and C.E. McKee. 1973. Performance of three legumes grown in mixture with tall fescue. *Arkansas Farm Research* 22(5):3.
 188. Palmertree, H., and J.W. McKie. 1978. Forage: quality grazing and hay. Mississippi State University, Cooperative Extension Service, Information Sheet 1012. Mississippi State University, Mississippi State, MS. 2 p.
 189. Pearson, H.A. 1975. Exotic grass yields under southern pines. USDA Forest Service Research Note SO-201. Southern Forest Experiment Station, New Orleans, LA. 3 p.
 190. Rabb, J.L., and J.Y. Oakes. 1973. Summer annual grasses for grazing and hay in the Red River valley. *Louisiana Agriculture* 16(3):13,15.
 191. Sleper, D.A., M. Mitchell, and K.L. Hunt. 1977. Breeding tall fescue. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 14-15.
 192. Stanley, R.L., E.R. Beaty, and J.D. Powell. 1977. Forage yield and percent cell wall constituents of Pensacola bahiagrass as related to nitrogen fertilization and clipping height. *Agronomy Journal* 69(3):501-504.
 193. Templeton, W.C., Jr., and T.H. Taylor. 1975. Performance of bigflower vetch seeded into bermudagrass and tall fescue swards. *Agronomy Journal* 67(5):709-712.
 194. Utley, P.R., W.H. Marchant, and W.C. McCormick. 1977. Winter annual pastures for growing beef calves. *Georgia Agricultural Research* 18(4):14-15,23.
 195. Utley, P.R., W.H. Marchant, and W.C. McCormick. 1977. Dixie crimson and amclo arrowleaf clover as pastures for growing steers. *Georgia Agricultural Research* 18(4):21-23.
 196. Van Keuren, R.W., and C.F. Parker. 1976. All-season forage systems for beef cow herds. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelvtzso MIR, Moscow, USSR. p. 741-745.
 197. Wilkinson, S.R., J.A. Stuedemann, R.N. Dawson, G.A. Hillsman, and W.C. Hulbert. 1974. Interseeding coastal bermudagrass with wheat to more fully utilize climatic and land resources in the southern Piedmont. *In* Proceedings. 4th Research-Industry Conference, Coastal Bermudagrass Processors Association, 28 Feb 1974, Athens, GA. p. 63-74.

Plant Characteristics

Morphological, chemical, and anatomical traits of introduced plants. See also Forage Value, Quality, and Food Habits.

198. Anonymous. 1975. Roadside harvest. *Agricultural Research* 24(5):13.
199. Anonymous. 1976. Bahiagrass—a popular, permanent pasture grass. *MAFES Research Highlights* 39(9):2.
200. Anonymous. 1978. Research shows tropical forage legume mixes with pasture grass in south Florida. *Florida Cattleman and Livestock Journal* 42(12):42, 44.

201. Aulabaugh, B.J., C.J. Nelson, and D.R. Johnson. 1977. Nitrogen assimilation of forage legumes. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 71-76.
202. Barber, W.D., J.H. Reynolds, J.R. Overton, and H. Morgan, Jr. 1976. Arrowleaf and crimson clover varieties for forage. Tennessee Farm and Home Science. Progress Report 98:30-31.
203. Beaty, E.R., E.V.S.B. Sampaio, D.A. Ashley, and R.H. Brown. 1976. Partitioning and translocation of ^{14}C photosynthate by bahiagrass (*Paspalum notatum*, Flugge). *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelvtzto MIR, Moscow, USSR. p. 19-31.
204. Beaty, E.R., K.H. Tan, R.A. McCreery, and J.B. Jones. 1975. Root-herbage production and nutrient uptake and retention by bermudagrass and bahiagrass. *Journal of Range Management* 28(5):385-389.
205. Bertrand, J.E., and L.S. Dunavin. 1975. Certain characteristics of cool-season annual forages and their relationships to performance by growing beef calves. *Journal of Animal Science* 41(4):1206-1211.
206. Booyesen, P.de V., and C.J. Nelson. 1975. Leaf area and carbohydrate reserves in regrowth of tall fescue. *Crop Science* 15(2):262-266.
207. Boyd, F.T., S.C. Schank, R.L. Smith, and E.M. Hodges. 1973. Transvala digitgrass. Florida Agricultural Experiment Station Circular S-222. University of Florida, Gainesville, FL. 16 p.
208. Buckner, R.C., and L. Bush, eds. 1979. Tall fescue. *Agronomy, a Series of Monographs: No. 20*. American Society of Agronomy, Madison, WI. 351 p.
209. Burson, B.L., J. Correa, and H.C. Potts. 1978. Anatomical study of seed shattering in bahiagrass and dallisgrass. *Crop Science* 18(1):122-125.
210. Burton, G.W. 1973. Breeding better forages to help feed man and preserve and enhance the environment. *BioScience* 23(12):705-709.
211. Gaskins, M.H., and D.A. Sleper. 1974. Photosensitivity of some tropical forage grasses in Florida. *Proceedings. Soil and Crop Science Society of Florida*, 33. p. 20-21.
212. Goplen, B.P., and R.E. Howarth. 1977. Breeding a bloat-safe alfalfa (*Medicago sativa* L.) cultivar. *In* Proceedings. 13th International Grassland Congress, 18-27 May 1977, Leipzig, East Germany. [Copies distributed to attendees], p. 341-346.
213. Hanna, W.W., W.G. Monson, and G.W. Burton. 1977. Morphological and anatomical factors affecting forage quality. *Georgia Agricultural Research* 18(3):17-21.
214. Hodges, E.M., and D.M. Jones. 1973. Transvala digitgrass released. *Sunshine State Agricultural Research Report* 18(3):9.
215. Hodges, E.M., F.T. Boyd, L.S. Dunavin, A.E. Kretschmer, Jr., P. Mislevy, and R.L. Stanley. 1975. McCaleb stargrass. Florida Agricultural Experiment Station Circular S-231. University of Florida, Gainesville, FL. 10 p.
216. Horn, G.C., A.E. Dudeck, and R.W. Toler. 1973. 'Floratom' St. Augustinegrass, a fast growing new variety for ornamental turf resistant to St. Augustine decline and chinch bugs. Florida Agricultural Experiment Station Circular S-224. University of Florida, Gainesville, FL. 13 p.
217. Hoveland, C.S. 1976. Arrowleaf clover (*Trifolium vesiculosum savi*), a valuable clover for the southeastern U.S.A. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelvtzto MIR, Moscow, USSR. p. 192-198.
218. Jutras, M.W., and P.B. Gibson. 1976. White clover for South Carolina. *South Carolina Agricultural Experiment Station Bulletin* 513. Clemson University, Clemson, SC. 22 p.
219. Kretschmer, A.E., Jr. 1975. A rhodesgrass (*Chloris gayana* Kunth) selection for permanent pastures in south Florida. *Proceedings. Soil and Crop Science Society of Florida*, 34. p. 106-110.
220. Lechtenberg, V.L., W.H. Smith, S.D. Parsons, and D.C. Petritz. 1974. Storage and feeding of large hay packages for beef cows. *Journal of Animal Science* 39(6):1011-1015.
221. Molloy, S.M. 1977. Tall fescue and arrowleaf clover for range interseeding. Thesis (M.S.), Oklahoma State University, Stillwater, OK. 56 p.
222. Moore, J.E. 1973. Effect of maturity on the energy and protein value of bahia, bermuda, and pangola. *In* Proceedings. 22nd Annual Beef Cattle Short Course, 3-5 May 1973, University of Florida. 9 p.
223. Nelson, C.J., and D.A. Sleper. 1977. Morphological characters associated with productivity of tall fescue. *In* Proceedings. 13th International Grassland Congress, 18-27 May 1977, Leipzig, East Germany. [Copies distributed to attendees], p. 13-19.
224. Overton, J.R., and H.A. Fribourg. 1975. Persistence of Ky 31 tall fescue in midland bermudagrass sod. Tennessee Farm and Home Science. Progress Report 96:5-7. Tennessee Agricultural Experiment Station, Knoxville, TN.

225. Palmertree, H.
1977. Forage: lespedezas for forage. Mississippi State University, Cooperative Extension Service, Information Sheet 1014. Mississippi State University, Mississippi State, MS. 2 p.
226. Palmertree, H.
1977. Forage: bermudagrasses. Mississippi State University, Cooperative Extension Service, Information Sheet 860. Mississippi State University, Mississippi State, MS. 2 p.
227. Sampaio, E.V.S.B., E.R. Beaty, and D.A. Ashley.
1976. Bahiagrass regrowth and physiological aging. *Journal of Range Management* 29(4):316-319.
228. Utley, P.R., W.G. Monson, G.W. Burton, R.E. Hellwig, and W.C. McCormick.
1978. Comparison of Tifton 44 and coastal bermudagrasses as pastures and as harvested forages. *Journal of Animal Science* 47(4):800-804.
- Quality**
- Palatability and nutritive value of introduced plants and supplemental pastures. See also Forage Value and Food Habits.*
229. Abrams, S.M., J.E. Moore, and W.R. Ocumpaugh.
1978. Digestibility and intake of cultivars of bermudagrass, digitgrass, and bahiagrass fed to sheep. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 65-67.
230. Abubakar, I.
1977. Nutritive value of winter and summer annual and perennial forages. Thesis (M.S.), Louisiana State University, Baton Rouge, LA. 77 p.
231. Anderson, K.B., and O.L. Walker.
1976. A dry matter quality approach to planning forage-beef systems. Oklahoma State University, Department of Agricultural Economics Paper AE 7607. Oklahoma State University, Stillwater, OK. 48 p.
232. Balk, W.A., R.F. Wheeler, R.L. Edwards, J.J. Starnes, and S.G. Woods.
1973. Relative feed value of pelleted coastal bermudagrass harvested at different ages. South Carolina Agricultural Experiment Station Bulletin 565. Clemson University, Clemson, SC. 11 p.
233. Beaty, E.R., A.E. Smith, and J.D. Powell.
1977. Leaf petiole and stem growth accumulation and digestibility in Amclo clover. *Agronomy Journal* 69(4):682-684.
234. Bryant, H.T., R.C. Hammes, Jr., R.E. Blaser, and J.P. Fontenot.
1977. Evaluation of acceptability by beef cattle of crownvetch grazed at several stages of maturity. *Journal of Animal Science* 45(5):939-944.
235. Burns, J.C., L. Goode, H.D. Gross, and A.C. Linnerud.
1973. Cow and calf gains on ladino clover-tall fescue and tall fescue, grazed alone and with coastal bermudagrass. *Agronomy Journal* 65(6):877-880.
236. Burris, W.R., W.E. Brown, R.W. Rogers, W.C. Couvillion, and F.H. Tyner.
1976. Finishing steers on ryegrass-clover pasture with supplemental grain. Mississippi Agricultural and Forestry Experiment Station Bulletin 839. 17 p.
237. Coleman, S.W., and K.M. Barth.
1973. Quality of diets selected by grazing animals and its relation to quality of available forage and species composition of pastures. *Journal of Animal Science* 36(4):754-761.
238. Coombs, D.F., L.I. Smart, J.M. Perkins, and F. Hembry.
1975. Year-round nutritive value of permanent pasture. *Louisiana Agriculture* 18(2):4-5, 7.
239. Davis, G.V., and M.S. Offutt.
1975. Nutritive value of sweet white lupine for ruminants. Arkansas Agricultural Experiment Station Bulletin 792. 18 p.
240. Edwards, J.H., W.A. Jackson, E.R. Beaty, and R.A. McCreery.
1977. Element concentration of forage and non-soluble cell wall fraction of coastal bermudagrass. *Agronomy Journal* 69(4):617-619.
241. Hannaway, D.B., and J.H. Reynolds.
1976. Seasonal changes in minerals, protein, and yield of tall fescue forage as influenced by nitrogen and potassium fertilization. Tennessee Farm and Home Science. Progress Report 98:14-17.
242. Hess, G., J.R. Walls, and J.K. Evans.
1976. The importance of forage quality. Kentucky Cooperative Extension Service Publication ID 18. University of Kentucky, Lexington, KY. 3 p.
243. Kaiser, C.J., A.G. Matches, and F.A. Martz.
1976. Seasonal trend of in vitro dry matter digestibility and animal performance from grazed tall fescue (*Festuca arundinacea* Schreb) pastures. In Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatel'vstzo MIR, Moscow, USSR. p. 294-305.
244. Lane, C.D., K.M. Barth, J.B. McLaren, W.L. Sanders, and M.J. Constatin.
1975. Relationship of plant color to nutritive value and yield of tall fescue within season. Tennessee Farm and Home Science. Progress Report 94:14-15.
245. Matches, A.G., ed.
1973. [Proceedings]. Anti-quality Components of Forages, 1972, Miami Beach, FL. CSSA Special Publication No. 4. Crop Science Society of America, Madison, WI. 140 p.
246. McCullough, M.E.
1977. The role of harvested or processed forage in beef feeding. In Forage-fed beef: production and marketing alternatives in the South. South-

- ern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 349-360.
247. Montgomery, C.R., B.D. Nelson, E.B. Morgan, and D.M. Johns.
1974. Nutritional losses in hay due to rain during curing. *Louisiana Agriculture* 17(4):8-9.
248. Moore, J.E., and G.O. Mott.
1973. Structural inhibitors of quality in tropical grasses. *In* [Proceedings]. *Anti-quality Components of Forages, 1972*, Miami Beach, FL. Matches, A.G., ed. CSSA Special Publication No. 4. Crop Science Society of America, Madison, WI. p. 53-98.
249. Offutt, M.S., and G.V. Davis.
1973. Nutritive value of sweet white lupine forage. *Arkansas Farm Research* 22(1):4.
250. Rayburn, E.B.
1977. Quality and yield of tall fescue (*Festuca arundinacea* Schreb.) as affected by season, legume combinations, and nitrogen fertilization. Thesis (Ph.D.), Virginia Polytechnic Institute, Blacksburg, VA. 100 p.
251. Reynolds, J.H.
1975. Yield and chemical composition of stock-piled tall fescue and orchardgrass forages. Tennessee Farm and Home Science. Progress Report 94:27-29.
252. Sabbe, W.E., and L.H. Hileman.
1974. Nutrient composition of fescue and bermudagrass grown in Arkansas pastures. *Arkansas Farm Research* 23(6):4.
253. Smart, L.I., D.F. Coombs, and F. Hembry.
1974. Nutrient content and digestibility of permanent pasture. Livestock Producers' Day, 9 Jan 1974, Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 146-151.
254. Smith, A.E.
1977. Influence of temperature on tall fescue forage quality and culm base carbohydrates. *Agronomy Journal* 69(5):745-747.
255. Smith, A.E., E.R. Beaty, R.L. Stanley, and H.F. Perkins.
1975. Influence of maturity and yield on nutritive value of Amclo clover. *Journal of Range Management* 28(6):480-482.
256. Voigt, P.W.
1975. Improving palatability of range plants. *In* Improved range plants. 28th Annual Meeting Society for Range Management, 5 Feb 1974, Tucson, AZ. Campbell, R.S., and C.S. Herbel, eds. Range Symposium Series No. 1. Society for Range Management, Denver, CO. p. 23-49.
257. White, T.W.
1976. Summer forage evaluation. Louisiana Rice Experiment Station Annual Progress Report 68. Louisiana State University, Baton Rouge, LA. p. 292-296.
258. Wilkinson, S.R., and D.A. Mays.
1978. Mineral nutrition. *In* Tall fescue. Bush, L., and R.C. Buckner, eds. *Agronomy, a Series of Monographs: No. 20*. American Society of Agronomy, Madison, WI. p. 41-73.

Establishment

Establishment of introduced plants and supplemental pastures.

259. Anonymous.
1976. Pasture topseeding can increase state's grazing season. *MAFES Research Highlights* 39(9):2.
260. Cope, W.A., T.W. Waldrep, D.S. Chamblee, and W.M. Lewis.
1973. Evaluation of herbicides in the establishment of alfalfa, ladino white clover, and crown-vetch. *Agronomy Journal* 65(5):820-825.
261. Evers, G.W.
1977. Use of paraquat in establishing dallisgrass and bahiagrass. *Agronomy Journal* 69(3):505-508.
262. Holt, E.C., and G.W. Evers.
1976. Establishment, management and seed production. Forage crops, *Panicum coloratum*, *Cynodon dactylon*, *Panicum antidotale*. Texas Agricultural Experiment Station Research Monograph RM-6C. Texas A&M University, College Station, TX. p. 68-97.
263. Hoveland, C.S., W.B. Anthony, and J.G. Starling.
1977. Overseeding coastal bermudagrass with winter annual clovers and grasses boosts beef cow-calf performance. *Highlights of Agricultural Research* 24(3):14.
264. Hoveland, C.S., and R.F. McCormick.
1974. Establishment of tall fescue and koeagrass with rye as a companion forage crop. *Agronomy Journal* 66(3):394-396.
265. Hoveland, C.S., and R.F. McCormick.
1975. Seeding and nitrogen rates provide cost savings with winter annual pastures. *Highlights of Agricultural Research* 22(3):8.
266. Hoveland, C.S., R.F. McCormick, J.A. Little, and J.T. Owen, III.
1976. Chemically suppressing grass sod helps overseeded winter annuals. *Highlights of Agricultural Research* 23(4):9.
267. Hoveland, C.S., R.F. McCormick, W.A. Griffey, H.E. Burgess, L.A. Smith, H.W. Grimes, J.T. Eason, and M.E. Ruf.

1977. Chemical frost aids ladino establishment in tall fescue sod. *Highlights of Agricultural Research* 24(3):8.
268. Hoveland, C.S., W.B. Anthony, J.A. McGuire, and J.G. Starling.
1977. Overseeding winter annual forages on coastal bermudagrass sod for beef cows and calves. Alabama Agricultural Experiment Station Bulletin 496. Auburn University, Auburn, AL. 11 p.
269. Hoveland, C.S., R. Rodriguez-Kabana, J.G. Starling, and J.S. Bannon.
1976. Cool season annual pasture mixtures as affected by autumn irrigation and nematicide in the wiregrass area. Alabama Agricultural Experiment Station Circular 228. University of Alabama, University, AL. 12 p.
270. Matocha, J.E.
1975. No-till and seedbed production of small grains-ryegrass mixture for forage in east Texas. Texas Agricultural Experiment Station Bulletin B-1155. Texas A&M University, College Station, TX. 11 p.
271. McMurphy, W.E., L.M. Rommann, and B.B. Webb.
1975. Pasture development by bulldozing. *In* Sarkey's research and development report. Miscellaneous Publication No. 95. Oklahoma State University, Oklahoma Agricultural Experiment Station, Stillwater, OK. p. 6-7.
272. McMurphy, W.E., J. Stritzke, and L.M. Rommann.
1975. Summary of establishment and management of tall fescue pasture development by aerial methods. Oklahoma Agricultural Experiment Station Miscellaneous Publication 95. Oklahoma State University, Stillwater, OK. p. 25-27.
273. McWhirter, E.L., and J.V. Krans.
1977. Cool season grasses evaluated for overseeding dormant bermudagrass turf. Mississippi Agricultural and Forestry Experiment Station Research Report 3. Mississippi State University, Mississippi State, MS. 3 p.
274. Oakes, J.Y., and J.L. Rabb.
1974. Establishing stands of alicia bermuda from green forage. *Louisiana Agriculture* 17(3):8-9.
275. Peters, E.J., and R. Mattas.
1977. Herbicides for spring establishment of alfalfa and birdsfoot trefoil. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 36-38.
276. Prine, G.M., and A.F. Myers.
1974. Reseeding ryegrass for perennial pastures. Sunshine State Agricultural Research Report 19. University of Florida, Gainesville, FL. p. 5-8.
277. Rommann, L.M., and W.E. McMurphy.
1973. Tall fescue establishment and management. Oklahoma State University Extension Facts 2559. Oklahoma State University, Stillwater, OK. 3 p.
278. Sarles, R.L., and D.M. Emanuel.
1977. Hardwood bark mulch for revegetation and erosion control on drastically disturbed sites. *Journal of Soil and Water Conservation* 32(5):209-214.
279. Senter, W.R., R.W. Loveland, and W.E. McMurphy.
1975. Cool season grass seed germination as affected by storage time in fertilizer. *Journal of Range Management* 28(4):331-332.
280. Stoin, H.R.
1976. Timber spraying versus mechanical land clearing for long range pasture production. *In* Grasslands—our American heritage. 4th Arkansas Grassland Conference, 22-23 Jan 1976, College of the Ozarks, Clarksville, AR; Henderson State University, Arkadelphia, AR. Arkansas Forage and Grassland Council, Little Rock, AR. p. 12-13.
281. Tan, K.H., E.R. Beaty, R.A. McCreery, and J.B. Jones.
1975. Differential effect of bermudagrass and bahiagrass on soil chemical characteristics. *Agronomy Journal* 67(3):407-410.

Management

Management and use of introduced plants and supplemental pastures.

282. American Forage and Grassland Council.
1978. Advances in hay, silage and pasture quality. Proceedings. 1978; Joint Meeting Annual North Carolina Cattlemen's Conference; Forage and Grassland Conference, 13-15 Feb 1978, Raleigh, NC. American Forage and Grassland Council, Lexington, KY. 104 p.
283. Ammerman, C.B.
1974. Improved utilization of low quality roughages by nitrogen supplementation. *Down to Earth* 29(4):14-17.
284. Anonymous.
1976. Proceedings. Symposium on Integration of Resources for Beef Cattle Production, 16-20 Feb 1976, Omaha, NE. Society for Range Management, Denver, CO 80204. 75 p.
285. Anonymous.
1978. Crop residues can pay you a bonus. *Progressive Farmer* 93(9):40-41.
286. Anonymous.
1978. Match your cattle to your pastures. *Progressive Farmer* (for South Carolina) 93(9):34.
287. Arkansas Forage and Grassland Council.
1976. Grasslands—our American heritage. 4th Arkansas Grassland Conference, 22-23 Jan 1976, College of the Ozarks, Clarksville, AR; Henderson State University, Arkadelphia, AR. Arkansas Forage and Grassland Council, Little Rock, AR. 34 p.
288. Arkansas Forage and Grassland Council.
1977. Quality forages for beef and milk produc-

- tion. Proceedings. 5th Arkansas Grassland Conference, 26,27,28 Jan 1977, Fayetteville, Conway Hope, AR. Arkansas Forage and Grassland Council, Little Rock, AR. 52 p.
289. Arkansas Forage and Grassland Council. 1978. Forage systems for Arkansas. 6th Arkansas Grassland Conference, 19,20,26,27 Jan 1978, Fayetteville, Batesville, Monticello, Arkadelphia, AR. Arkansas Forage and Grassland Council, Little Rock, AR. 53 p.
 290. Beaty, E.R., and J.D. Powell. 1978. Pensacola bahiagrass growth and management. *Journal of Soil and Water Management* 33:191-193.
 291. Bogdan, A.V. 1977. Tropical pasture and fodder plants. Longman, New York. 475 p.
 292. Bradley, N.W., D.R. Lovell, J.A. Boling, and N. Gay. 1977. Kind of forage, forage management and creep feed for spring-calving cows and calves. Kentucky Agricultural Experiment Station Progress Report 227. University of Kentucky, Lexington, KY. p. 5-10.
 293. Brann, D.E., and G.A. Jung. 1974. Influence of cutting management and environment variation on the yield, bud activity, and autumn carbohydrate reserve levels of crownvetch. *Agronomy Journal* 66(6):767-773.
 294. Bryant, H.T., R.C. Hammes, Jr., R.E. Blaser, and J.P. Fontenot. 1976. Evaluation of a new variety of orchardgrass for cattle. *Journal of Animal Science* 42(3):554-559.
 295. Burns, J.C., W.A. Cope, and E.R. Barrick. 1977. Cow and calf performance, per hectare productivity, and persistence of crownvetch under grazing. *Agronomy Journal* 69(1):77-81.
 296. Coombs, D.F., S.A. Phillips, and J.L. Bartleson. 1977. A comparison of four pasture management systems for a cow-calf operation. Livestock Producers' Day, 6 Jan 1977, Baton Rouge, LA. Livestock Producers' Day Report, 17th Annual. Louisiana State University, Baton Rouge, LA. p. 201-204.
 297. Cope, G.E., and F.C. Peter. 1976. Bloat control of animals grazing on alfalfa pasture. Texas Agricultural Experiment Station Leaflet 1496. Texas A&M University, College Station, TX. 4 p.
 298. Crouch, E.K., and J.K. Riggs. 1974. Coastal bermudagrass hay for wintering beef cows in east Texas. Texas Agricultural Experiment Station Progress Report 3241. Texas A&M University, College Station, TX. 4 p.
 299. Dobson, J.W., C.D. Fisher, and E.R. Beaty. 1976. Yield and persistence of several legumes growing in tall fescue. *Agronomy Journal* 68(1):123-125.
 300. Dobson, S.H., E.L. Kimbrough, J.V. Bird, and W.W. Woodhouse, Jr. 1974. Ladino clover and grass pastures. North Carolina Agricultural Extension Circular 301. North Carolina Agricultural Extension Service, Raleigh, NC. 11 p.
 301. Ethredge, J., E.R. Beaty, and R.M. Lawrence. 1973. Effects of clipping height, clipping frequency, and rates of nitrogen on yield and energy content of coastal bermudagrass. *Agronomy Journal* 65(5):717-719.
 302. Garner, C.R., and W.A. Halbrook. 1975. Economic evaluation of hay harvesting methods. *Arkansas Farm Research* 24(6):12.
 303. Garner, C.R., and W.A. Halbrook. 1976. An economic evaluation of three haying systems in Arkansas, 1975. Agricultural Experiment Station Bulletin 815. University of Arkansas Agricultural Experiment Station, Fayetteville, AR. 26 p.
 304. Garner, G.B., C.N. Cornell, and S. Yates. 1977. Fescue foot research. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri, Columbia, MO. p. 62-63.
 305. Green, J.T., Jr. 1977. Forage facts: plan now to grow next winter's feed supply. University of Arkansas Cooperative Extension Service Facts Sheet A 28-277. University of Arkansas, Fayetteville, AR. 4 p.
 306. Grunes, D.L., and H.F. Mayland. 1975. Controlling grass tetany. U.S. Department of Agriculture Leaflet 561. U.S. Department of Agriculture, Washington, DC. 8 p.
 307. Hanna, W.W. 1977. Breeding better forages. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 291-298.
 308. Harris, R.R., C.S. Hoveland, J.K. Boseck, and W.B. Webster. 1975. Triticale as a grazing crop for yearling beef steers. *Highlights of Agricultural Research* 22(4):10.
 309. Harris, R.R., C.S. Hoveland, J.K. Boseck, and W.B. Webster. 1976. Hay feeding questionable on cool-season wheat-ryegrass arrowleaf clover. *Highlights of Agricultural Research* 23(3):8.
 310. Hedges, D. 1978. Management of native species and woodlands for beef cow-calf programs. *In* Forage systems for Arkansas. 6th Arkansas Grassland

- Conference, 19,20,26,27 Jan 1978, Fayetteville, Batesville, Monticello, Arkadelphia, AR. Arkansas Forage and Grassland Council, Little Rock, AR. p. 20-22.
311. Hill, G.M., N.W. Bradley, J.A. Boling, D.R. Lovell, and W.C. Templeton, Jr.
1975. Forage type and supplemental feeding for spring and fall calf production. Kentucky Agricultural Experiment Station Progress Report 218. University of Kentucky, Lexington, KY. p. 13-19.
 312. Hodges, E.M., F.M. Peacock, H.L. Chapman, Jr., and F.G. Martin.
1976. Grazing trials with tropical grasses and legumes in peninsular Florida. Proceedings. Soil and Crop Science Society of Florida, 35. p. 84-86.
 313. Hoveland, C.S., R.L. Haaland, C.B. Elkins, W.A. Griffey, and H.E. Burgess.
1977. Solution in sight for grass tetany problem. Highlights of Agricultural Research 24(4):8.
 314. Hoveland, C.S., R.F. McCormick, and W.B. Anthony.
1973. Managing serala sericea for forage. Highlights of Agricultural Research 20(1):3.
 315. Hoveland, C.S., W.B. Anthony, E.L. Carden, J.K. Boseck, and W.B. Webster.
1975. Sericea-grass mixtures. Alabama Agricultural Experiment Station Circular 221. Auburn University, Auburn, AL. 12 p.
 316. Hoveland, C.S., R.F. McCormick, W.B. Anthony, and F.T. Glaze.
1975. The management of *Serala sericea* for forage and seed. Alabama Agricultural Experiment Station Circular 222. Auburn University, Auburn, AL. 12 p.
 317. Humes, P.E., and I. Bin Idris.
1976. Pasture management systems for crossbred cows. Louisiana Agriculture 20(1):12-14.
 318. Humes, P.E., T.M. DeRouen, and E.A. Icaza.
1974. A comparison of two pasture programs for developing replacement heifers. Livestock Producers' Day, 9 Jan 1974, Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 139-145.
 319. Johnson, G., ed.
1975. Proceedings. 8th Research-Industry Conference, 12-13 Feb 1975, Omaha, NE. American Forage and Grassland Council, Lexington, KY 40503. 110 p.
 320. Jones, J.E., K.M. Barth, and S.W. Coleman.
1974. Effect of pasture type and wintering level on gains of slaughter heifers. Tennessee Farm and Home Science. Progress Report 91:15-17. Tennessee Agricultural Experiment Station, Knoxville, TN.
 321. Knight, W.E.
1975. Research proves value of renewed interest in legumes. MAFES Research Highlights 38(7):4-5.
 322. Knox, J.W., K.W. Tipton, and J.C. Williams.
1977. Summer grazing of stocker calves on coastal bermudagrass. Louisiana Agriculture 20(4):8-9.
 323. Koger, M., R.E.L. Greene, G.B. Killinger, W.G. Blue, J.M. Myers, N. Gammon, A.C. Warnick, and J.E. Moore, eds.
1977. Pasture programs and beef cattle breeding systems for beef production in north central Florida. Beef research unit. Experimental phase no. 3. Agronomic studies, soil. Florida Agricultural Experiment Station Technical Bulletin 789. University of Florida, Agricultural Experiment Station, Gainesville, FL. 47 p.
 324. Lawrence, R.M., and R. Habetz.
1976. Comparison of various summer and winter pastures in a cow-calf production system. Louisiana Rice Experiment Station Annual Progress Report 68. p. 280-285.
 325. Lowe, J.V.
1977. Pasture management systems for the brood cow herd. Livestock Producers' Day, 6 Jan 1977, Baton Rouge, LA. Livestock Producers' Day Report, 17th Annual. Louisiana State University, Baton Rouge, LA. p. 18-21.
 326. Loyacano, A.F., J.E. Pontif, and W.A. Nipper.
1974. Effects of pasture management systems and season of breeding on reproductive performance of beef cattle. Livestock Producers' Day, 9 Jan 1974, Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 127-130.
 327. Monson, W.G., G.W. Burton, E.J. Williams, and J.L. Butler.
1974. Effects of burning on soil temperature and yield of coastal bermudagrass. Agronomy Journal 66(2):212-214.
 328. Neville, W.E., Jr., and W.C. McCormick.
1976. Production of beef calves on coastal bermudagrass at two levels of intensity. Journal of Animal Science 42(6):1404-1412.
 329. Oliver, W.M.
1973. Grazing stocker cattle on coastal bermudagrass. Louisiana Agriculture 16(3):4-5.
 330. Oliver, W.M.
1975. A comparison of two stocking rates in grazing coastal bermudagrass. Louisiana Agriculture 18(3):12-13, 15.
 331. Pratt, J.N.
1974. Forage farming limitations and opportunities—the humid South. In Proceedings. 7th Research-Industry Conference, 26-27 Feb 1974, Shreveport, LA. Barksdale, W.E., ed. American Forage and Grassland Council, Lexington, KY. p. 49-55.
 332. Renoll, E.S., W.B. Anthony, L.A. Smith, and J.L. Stallings.
1974. Stack and bale systems for hay handling and feeding. Alabama Agricultural Experiment Station Bulletin 455. 34 p.

333. Rommann, L.M., W.E. McMurphy, and B.D. Boyer.
1973. Tall fescue in bermudagrass. Oklahoma State University Extension Facts 2564. Oklahoma State University, Stillwater, OK. 3 p.
334. Thompson, W.C.
1976. Beef and forage in the South. *In* Proceedings. Symposium on Integration of Resources for Beef Cattle Production, 16-20 Feb 1976, Omaha, NE. Society for Range Management, Denver, CO 80204. p. 32-36.
335. Triplett, C.M.
1975. Forage systems for backgrounding and finishing cattle in Georgia. Georgia Agricultural Extension Bulletin 753. University of Georgia, Athens, GA. 26 p.
336. Utley, P.R., H.D. Chapman, W.G. Monson, W.H. Marchant, and W.C. McCormick.
1974. Coastcross-1 bermudagrass, coastal bermudagrass and pensacola bahiagrass as summer pasture for steers. *Journal of Animal Science* 38(3):490-495.
337. Utley, P.R., W.H. Marchant, and W.C. McCormick.
1976. Evaluation of annual grass forages in prepared seedbeds and overseeded into perennial sods. *Journal of Animal Science* 42(1):16-20.

Production

Production of introduced plants and supplemental pastures.

338. Allen, M., P.E. Schilling, and A.T. Harrell.
1975. Utilization of fertilizers by an oat-ryegrass mixture. *Louisiana Agriculture* 18(4):8-9.
339. American Forage and Grassland Council.
1979. Using forages for profits in beef and dairy programs. Proceedings. 1979 Forage and Grassland Conference, 9-11 Apr 1979, Little Rock, AR. American Forage and Grassland Council, Lexington, KY. 92 p.
340. Beaty, E.R., A.E. Smith, and E.E. Worley.
1973. Growth and survival of perennial tropical grasses in north Georgia. *Journal of Range Management* 26(3):204-206.
341. Evers, G.W.
1973. Evaluation of cool season annuals for forage production in southeast Texas. Texas Agricultural Experiment Station Progress Report PR-3248. Texas A&M University, College Station, TX. 3 p.
342. Hodges, E.M., F.M. Peacock, H.L. Chapman, Jr., and R.E.L. Greene.
1974. Forage and supplement systems for beef cows in south-central Florida. Proceedings. Soil and Crop Science Society of Florida, 33. p. 56-59.
343. Hoveland, C.S., C.D. Berry, R.F. McCormick, and R. Rodriguez-Kabana.
1974. Nematodes cut fescue yield on sandy soils. *Highlights of Agricultural Research* 21(3):5.
344. Humes, P.E.
1973. Pasture programs for replacement beef heifers. *Louisiana Agriculture* 16(4):3,16.
345. McMurphy, W.E., and J. Stritzke.
1974. Pasture legume evaluations. *In* Eastern Pasture Research Station 1974. Research Report P-705. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. 15p.
346. Peacock, F.M., E.M. Hodges, W.G. Kirk, and M. Koger.
1973. Forage systems and beef production. Proceedings. Soil and Crop Science Society of Florida, 32. p. 20-23.
347. Scifres, C.J., D.B. Polk, Jr., and J.L. Mutz.
1975. Evaluation of siratro as a potential legume for range revegetation. *In* Rangeland resources research 1971-1974. Texas Agricultural Experiment Station Progress Report PR-3341. Texas Agricultural Experiment Station, College Station, TX. p. 33-34.
348. Scruggs, C.G.
1975. Now! Special forage beef systems for southern cattlemen. *Progressive Farmer* 90(8):27-30.
349. Sell, W.H.
1973. Forage system, beef cattle—south Georgia. Georgia Cooperative Extension Service Circular 664. University of Georgia, Athens, GA. 2 p.
350. Taylor, T.H., and W.C. Templeton, Jr.
1976. Stockpiling Kentucky bluegrass and tall fescue forage for winter pasturage. *Agronomy Journal* 68(2):235-239.
351. Vartha, E.W., A.G. Matches, and G.B. Thompson.
1977. Yield and quality trends of tall fescue grazed with different subdivisions of pasture. *Agronomy Journal* 69(6):1027-1029.
352. Weingartner, D.H., and E.S. Lyle.
1977. Forage yields of regarded surface mines. *Highlights of Agricultural Research* 24(1):9.

FERTILIZATION

Effects of fertilization on range productivity. See also Forage Value, Physiography and Soils, Quality, and Food Habits.

353. Allen, M., P.E. Schilling, R.H. Brupbacher, and A.T. Harrell.
1976. Nutrient removal of an oat-ryegrass mixture and soil chemical changes as affected by applied nitrogen, phosphorus and potassium. Louisiana Agricultural Experiment Station Bulletin 690. Louisiana State University and Agricultural and Mechanical College, Baton Rouge, LA. 60 p.
354. Beaty, E.R., Y.C. Smith, and J.D. Powell.
1974. Response of Pensacola bahiagrass to irrigation and time of N fertilization. *Journal of Range Management* 27(5):394-396.

355. Blue, W.G.
1976. Utilization of residual nutrients accumulated in Florida's acid flatwoods soils under fertilized white clover—Pensacola bahiagrass pastures. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelvtzso MIR, Moscow, USSR. p. 33-41.
356. Brown, J.R., W. Rice, M. Farley, J. Kerr, and B. Strong.
1977. Altering forage magnesium with soil treatment. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 16-21.
357. Cosner, F.A., J. Powell, and J.F. George.
1974. Using 2,4-D, fertilization, and grazing to establish secondary fireguards. Research Report P-695. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 29-30.
358. Doss, B.D., Z.F. Lund, F.L. Long, and L. Mugwira.
1976. Dairy cattle waste management: its effects on forage production and runoff water quality. Alabama Agricultural Experiment Station Bulletin 485. Auburn University, Auburn, AL. 39 p.
359. Eichhorn, M.M., Jr.
1974. Prilled ammonium nitrate or liquid urea-ammonium nitrate for coastal bermudagrass? *Louisiana Agriculture* 17(3):3,16.
360. Hannaway, D.B., and J.H. Reynolds.
1979. Seasonal changes in organic acids, water-soluble carbohydrates, and neutral detergent fiber in tall fescue forage as influenced by N and K fertilization. *Agronomy Journal* 71(3):493-496.
361. Hileman, L.H.
1973. Response of orchardgrass to broiler litter and commercial fertilizer. Arkansas Agricultural Experiment Station Report Series 207. University of Arkansas, Fayetteville, AR. 18 p.
362. Hojjati, S.M., W.C. Templeton, Jr., T.H. Taylor, H.E. McKean, and J. Byars.
1973. Postfertilization changes in concentration of nitrate nitrogen in Kentucky bluegrass and tall fescue herbage. *Agronomy Journal* 65(6):880-883.
363. Kroth, E.M., and R. Mattas.
1977. Soil fertility research with forage crops. *In* Research Reports 1977. Southwest Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 22-27.
364. Mondart, C.L., Jr., H.D. Harris, R.H. Brupbacher, and J.E. Sedberry, Jr.
1974. Influence of annual applications of phosphorus on the yield and chemical composition of common bermudagrass and on the chemical composition of a Bowie soil. *Louisiana Agricultural Experiment Station Bulletin* 684. Louisiana State University and Agricultural and Mechanical College, Baton Rouge, LA. 35 p.
365. Morgan, H., Jr., and H.A. Fribourg.
1975. Response of common and clair timothy to nitrogen fertilization. Tennessee Farm and Home Science. Progress Report 95:4-5.
366. Peevy, W.J.
1975. Nitrogen sources and their use in forage production. Livestock Producers' Day, 2 Jan 1975, Baton Rouge, LA. Livestock Producers' Day Report, 15th Annual. Louisiana State University, Baton Rouge, LA. p. 66-69.
367. Peevy, W.J.
1975. Soil testing, fertilizer use and the energy crisis. *Louisiana Agriculture* 18(3):3, 16.
368. Sampaio, E.V.S.B., and E.R. Beaty.
1976. Morphology and growth of bahiagrass at three rates of nitrogen. *Agronomy Journal* 68(2):379-381.
369. Segelquist, C., and M. Rogers.
1975. Response of Japanese honeysuckle to fertilization. *Journal of Wildlife Management* 39(4):769-775.
370. Stuedemann, J.A., S.R. Wilkinson, D.J. Williams, W.A. Jackson, and J.B. Jones.
1973. The association of fat necrosis in beef cattle with heavily fertilized fescue pastures. *In* Proceedings. Fescue Toxicity Conference, 31 May-1 Jun 1973, University of Kentucky, Lexington, KY. University of Missouri, Columbia, MO. p. 9-23.
371. Stuedemann, J.A., S.R. Wilkinson, D.J. Williams, H. Ciordia, J.V. Ernst, W.A. Jackson, and J.B. Jones.
1975. Long-term broiler litter fertilization of tall fescue pastures and health and performance of beef cows. *In* Managing livestock wastes. Proceedings. 3rd International Symposium on Livestock Wastes, 21-24 Apr 1975, University of Illinois, Urbana-Champaign, IL. Publication Proceedings 275. American Society of Agricultural Engineers, St. Joseph, MI. p. 264-268.
372. Watson, V.H.
1976. Effects of nitrogen on performance of tall fescue grown under accumulated growth conditions. *In* Proceedings. 12th International Grassland Congress, 11-20 Jun 1974, Moscow, USSR. Izdatelvtzso MIR, Moscow, USSR. p. 639-646.
373. White, L.D.
1977. Forage production in a five-year-old fertilized slash pine plantation. *Journal of Range Management* 30(2):131-134.
374. Wilkinson, S.R.
1979. Plant nutrient and economic value of animal manure. *Journal of Animal Science* 48:121-133.

375. Wilkinson, S.R., and G.W. Langdale.
1974. Fertility needs of warm season grasses. *In* Proceedings. Forage Fertilization Symposium, 19-21 Jul 1972, Muscle Shoals, AL. Mays, D.A., ed. American Society of Agronomy, Madison, WI. p. 119-145.
376. Wilkinson, S.R., and J.A. Stuedemann.
1974. Fertilizer: animal health and pasture fertilization with poultry litter. *In* Yearbook of science and technology. Lapedes, D.N., editor-in-chief. McGraw-Hill, New York. p. 180-182.

PLANT CONTROL

Principles and methods of controlling poisonous, injurious, and otherwise undesirable plants including brush. See also Chemical, Mechanical and Biological, and Fire.

377. Keister, T.D., and J.A. McGriff.
1974. Thinning dense young loblolly pine stands with a granular herbicides. Louisiana State University Forestry Notes No. 107. Louisiana State University, Baton Rouge, LA. 4 p.
378. Knake, E.L.
1977. Proper perspectives of the EPA role in weed science. Proceedings of the Western Society of Weed Science, 30. Western Society of Weed Science, Reno, NV. p. 95-96.
379. McCormick, L.L., and B.W. Wascom.
1972. Louisiana's suggested chemical weed control guide for 1972 (Rev. Mar 1972). Cooperative Extension Publication 1565. Louisiana State University and Agricultural and Mechanical College, Baton Rouge, LA. 88 p.
380. Priestler, D.S., and M.T. Pennington.
1978. Inhibitory effects of broomsedge extracts on the growth of young loblolly pine seedlings. USDA Forest Service Research Paper SE-182. Southeastern Forest Experiment Station, Asheville, NC. 7 p.
381. U.S. Department of Agriculture, Agricultural Research Service.
1973. Guidelines for weed control. Agricultural Handbook 447. U.S. Department of Agriculture, Washington, DC. 169 p.
384. Anonymous.
1974. EPA compendium of registered pesticides. Volume One: herbicides and plant regulators. U.S. Environmental Protection Agency, Pesticides Regulation Division, Washington, DC.
385. Anonymous.
1976. Aerial application of agricultural chemicals. Mississippi State University, Cooperative Extension Service Publication 973. Mississippi State University, Mississippi State, MS. 26 p.
386. Baldwin, F.L., and K.L. Smith.
1975. Weed your pasture and hay crops with chemicals. University of Arkansas Cooperative Extension Service Leaflet 295. University of Arkansas, Fayetteville, AR. 8 p.
387. Barrons, K.C.
1973. Some environmental benefits of herbicides. *Down to Earth* 29(1):30-31.
388. Bartley, T.R.
1976. Investigations of copper sulfate for aquatic weed control. USDI Bureau of Reclamation Research Report 27. U.S. Department of Interior, Bureau of Reclamation, Washington, DC. 24 p.
389. Baur, J.R., and R.W. Bovey.
1975. Herbicidal effects of tebuthiuron and blythosate. *Agronomy Journal* 67(4):547-553.
390. Baur, J.R., R.W. Bovey, and E.C. Holt.
1977. Effect of herbicides on production and protein levels in pasture grasses. *Agronomy Journal* 69(5):846-851.
391. Bjerregaard, R.S.
1976. Mixing instructions and rate-volume tables for liquid phenoxy herbicides. Texas Agricultural Extension Miscellaneous Publication 1182. Texas Agricultural Extension Service, Texas A&M University, College Station, TX. 7 p.
392. Bovey, R.W.
1977. Response of selected woody plants in the United States to herbicides. USDA Agricultural Handbook 493. U.S. Department of Agriculture, Washington, DC. 101 p.
393. Bovey, R.W., T.O. Flynt, R.E. Meyer, J.R. Baur, and T.E. Riley.
1976. Subsurface herbicide applicator for brush control. *Journal of Range Management* 29(4):338-341.
394. Bovey, R.W., R.E. Meyer, and E.C. Holt.
1974. Tolerance of bermudagrass to herbicides. *Journal of Range Management* 27(4):293-296.
395. Bovey, R.W., and J.D. Diaz-Colon.
1977. Selected bibliography of the phenoxy herbicides. II. The substituted dibenzo-p-dioxins. MP-1323. Texas A&M University, Texas Agricultural Experiment Station, College Station, TX. 57 p.

Chemical

Chemical control of noxious plants.

382. Andrade, J.M.de S.
1979. Smutgrass (*Sporobolus poiretti* [Roem. and Schult] Hitchc.) control with grazing management systems. Thesis (Ph.D.), University of Florida, Gainesville, FL. 99 p.
383. Anonymous.
1973. Suggestions for weed control with chemicals: range and timber lands and pasture

396. Bovey, R.W., and J.D. Diaz-Colon.
1978. Selected bibliography of the phenoxy herbicides. VIII. Effects on higher plants. MP-1388. Texas A&M University, Texas Agricultural Experiment Station, College Station, TX. 60 p.
397. Bovey, R.W., and J.D. Diaz-Colon.
1978. Selected bibliography of the phenoxy herbicides. IV. Ecological effects. MP-1360. Texas AUM University, Texas Agricultural Experiment Station, College Station, TX. 28 p.
398. Bovey, R.W., and J.D. Diaz-Colon.
1978. Selected bibliography of the phenoxy herbicides. VI. Methods of extraction and analysis. MP-1381. Texas A&M University, Texas Agricultural Experiment Station, College Station, TX. 34 p.
399. Brady, H.A.
1974. Thickened herbicides are effective on hardwoods. *Proceedings of the Southern Weed Science Society* 27:202-205.
400. Brady, H.A., and J.D. Walstad.
1973. Drift of 2,4,5-T applied with a mist blower. USDA Forest Service Research Note SO-166. Southern Forest Experiment Station, New Orleans, LA. 4 p.
401. Byrd, B.C., W.G. Wright, and L.E. Warren.
1975. Vegetation control with Dowco 233 herbicide. *Down to Earth* 30(4):8-12.
402. Dow Chemical Company.
1976. Forest management chemicals from Dow. Dow Chemical Company, Midland, MI. 173 p.
403. Durham, G.P.
1977. Vegetation response and management of south Texas rangeland following chemical and mechanical brush control (Abstr.). *Journal of Range Management* 30(4):319.
404. Fears, R.D., and D.M. Frederick.
1977. Kudzu control with Tordon 10K pellets brush killer for timber site preparation in central Alabama. *Down to Earth* 33(1):6-9.
405. Ferguson, E.R., and E.R. Lawson.
1975. Chemical injections for thinning pole-size hardwoods in the Ozarks. USDA Forest Service Research Note SO-189. Southern Forest Experiment Station, New Orleans, LA. 3 p.
406. Flynt, T.O., R.W. Bovey, R.E. Meyer, T.E. Riley, and J.R. Baur.
1976. Granular herbicide applicator for brush control. *Journal of Range Management* 29(5):435-437.
407. Gratkowski, H., and R. Stewart.
1976. Aerial spray tests on drift control additives for herbicides in oil and oil-in-water carriers. *Proceedings of the Western Society of Weed Science*, 29. Western Society of Weed Science, Reno, NV. p. 107-124.
408. Haagsma, T.
1975. Dowco 233 herbicide—a possible new tool in vegetation management. *Down to Earth* 30(4):22-24.
409. Hall, O.
1973. Limitations of surfactant and pH effects of herbicide behavior in woody plants. *Weed Science* 21(3):221-223.
410. Hull, H.M., H.L. Morton, and J.R. Wharrie.
1975. Environmental influences on cuticle development and resultant foliar penetration. *Botanical Review* 41(4):421-452.
411. Klingman, D.L., and W.C. Shaw.
1975. Using phenoxy herbicides effectively. 2,4-D, 2,4,5-T, MCPA, Silvex, 2,4-DB. (revised). USDA Farmer's Bulletin No. 2183. U.S. Department of Agriculture, Agricultural Research Service, Beltsville, MD 20782. 25 p.
412. Lawson, E.R., and E.R. Ferguson.
1974. Chemical for winter kill of hickories in the Ozark-Quachita highlands. *Arkansas Farm Research* 23(2):16.
413. Lawson, E.R., and E.R. Ferguson.
1974. Soil-applied herbicides for control of red oaks and hickories in the Boston mountains of Arkansas. USDA Forest Service Research Note SO-180. Southern Forest Experiment Station, New Orleans, LA. 3 p.
414. Long, W.P.
1974. Can unsatisfactory field results be traced to spray tank incompatibility problems. *Proceedings of the Western Society of Weed Science*, 27. Western Society of Weed Science, Reno, NV. p. 11-17.
415. Mann, W.F., Jr., and M.J. Haynes.
1978. Status of some new herbicides. USDA Forest Service General Technical Report SO-21. Southern Forest Experiment Station, New Orleans, LA. 18 p.
416. Meyer, R.E., and R.W. Bovey.
1973. Control of woody plants with herbicide mixtures. *Weed Science* 21(5):423-426.
417. Miller, J.F., and C.W. Swann.
1976. Weed control in forage crops. Georgia Agricultural Extension Circular 601. University of Georgia Cooperative Extension Service, Athens, GA. 8 p.
418. Mislevy, P., and W. Currey.
1975. Smutgrass control in Florida pastures. *Sunshine State Agricultural Research Report* 20(1/2):28-29. University of Florida, Gainesville, FL 32611.
419. Monroe, W.E., and L.L. McCormick.
1975. Smutgrass control in pastures. Louisiana State University, Cooperative Extension Service Publication 1801. Louisiana State University, Cooperative Extension Service, Baton Rouge, LA. 2 p.
420. Monson, W.G.
1977. Effects of paraquat on yield and quality of coastal bermudagrass. *Agronomy Journal* 69(2):323-324.
421. Mullison, W.R.
1973. Herbicides—are they safe? *Down to Earth* 29(3):7-11.

422. Newton, M., and L.A. Norris.
1976. Evaluating short- and long-term effects of herbicides on nontarget and range biota. *Down to Earth* 32(3):18-26.
423. Peevy, F.A.
1973. Bromacil and picloram under southern upland hardwoods. *Weed Science* 21(1):54-56.
424. Price, J.D., R.D. Palmer, G.O. Hoffman, J.E. Cole, E.C. Holt, A.C. Novosad, J.N. Pratt, C.E. Fisher, R.V. Miller, C.J. Scifres, and W.A. Smith.
1973. Suggestions for weed control with chemicals. Texas Agricultural Experiment Station Miscellaneous Publication 1060-Part 2. Texas A&M University, College Station, TX. 14 p.
425. Scifres, C.J.
1975. Herbicide residues and seedling range grasses. *In* Rangeland resources research 1971-1974. Texas Agricultural Experiment Station Progress Report PR-3341. Texas A&M University, College Station, TX. p. 34-35.
426. Scifres, C.J.
1976. Herbicide nomenclature and related terminology. *Journal of Range Management* 29(2):173-174.
427. Scifres, C.J.
1977. Herbicides and the range ecosystem: residues, research, and the role of rangemen. *Journal of Range Management* 30(2):86-91.
428. Scifres, C.J., H.G. McCall, and D.W. Fryrear.
1974. Foam systems as herbicide carriers for range improvement. Texas Agricultural Experiment Station Miscellaneous Publication 1156. Texas A&M University, College Station, TX. 19 p.
429. Steinert, W.G., and J. Stritzke.
1977. Uptake and phytotoxicity of tebuthiuron. *Weed Science* 25(5):390-395.
430. Warren, L.E.
1976. Controlling drift of herbicides. *World of Agricultural Aviation* 3(3):30-39.
431. Weber, J.B., T.J. Monaco, and A.D. Worsham.
1973. What happens to herbicides in the environment? *Down to Earth* 29(3):12-14.
432. Whitson, R.E., S.L. Beasom, and C.J. Scifres.
1977. Economic evaluation of cattle and white-tailed deer response to aerial spraying of mixed brush. *Journal of Range Management* 30(3):214-217.
433. Williams, J.L., Jr., M.A. Ross, and T.T. Bauman.
1973. Looks can be deceiving—herbicide injury? *Down to Earth* 29(1):11-14.
434. Wilson, J.G.
1973. Teratological potential of 2,4,5-T. *Down to Earth* 28(4):14-17.
435. Woods, C.
1975. Smutgrass control for southern pastures. *Agrichemical Age* 18(2):10-11.
436. Yonce, H.D., D.O. Ezell, J.B. Aitken, and L.C. Miller.
1974. Chemical weed control recommendations for South Carolina, 1975. Clemson University Agricultural Extension Circular 505. Clemson University, Agricultural Extension Service, Clemson, SC. 77 p.

Mechanical and Biological

Mechanical and biological control of noxious plants.

437. Adams, T.E., Jr.
1977. The ball and chain method of brush management. *Rangeman's Journal* 4(5):142-144.
438. Adams, T.E., Jr., and C.L. Hughes.
1977. Want biological brush control? Try goats! *Rangeman's Journal* 4(1):4.
439. DuToit, P.F.
1973. The goat as a factor in brush control. *Angora Goat and Mohair Journal* 15(1):49-51,57.
440. McDow, J.J., L.F. Seatz, R.Q. Snyder, and J.A. Odom.
1973. Brush clearing by subsurface shearing. *Tennessee Farm and Home Science. Progress Report* 86:14-16.
441. Merrill, L.B., and C.A. Taylor.
1976. Take note of the versatile goat. *Rangeman's Journal* 3(3):74-76.
442. Moore, W.H.
1974. Some effects of chopping saw-palmetto-pineland threawn range in south Florida. *Journal of Range Management* (2):101-104.

GRAZING SYSTEMS

Various range management systems including continuous, deferred and rotational systems. See also Range Forage Production, Utilization, And Maintenance.

443. Allen, D.D.
1977. Is short duration grazing worth all the bother? *Cattleman* 64(4):44, 80, 82.
444. Beaty, E.R., and J.D. Powell.
1976. Response of switchgrass (*Panicum virgatum* L.) to clipping frequency. *Journal of Range Management* 29(2):132-135.
445. Blaser, R.E., W.C. Stringer, E.B. Rayburn, J.P. Fontenot, R.C. Hammes, Jr., and H.T. Bryant.
1977. Increasing digestibility and intake through management of grazing systems. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 301-345.

446. Felts, B.L.
1976. Short duration grazing in north Florida flatwoods. Thesis (M.S.), University of Florida, Gainesville, FL. 61 p.
447. Hart, R.H., W.H. Marchant, J.L. Butler, R.E. Hellwig, W.C. McCormick, B.W. Southwell, and G.W. Burton.
1976. Steer gains under six systems of coastal bermudagrass utilization. *Journal of Range Management* 29(5):372-375.
448. Heady, H.F.
1974. Theory of seasonal grazing. *Rangeman's Journal* 1(2):37-38.
449. Knox, J.W., and J.Y. Oakes.
1974. Year round grazing with a beef cow herd. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 156-159.
450. Kothmann, M.M.
1974. Grazing management terminology. *Journal of Range Management* 27(4):326-327.
451. Kothmann, M.M.
1975. Grazing management systems. *Texas Agricultural Progress* 21(2):22-23.
452. Matches, A.G., S. Bell, M. Mitchell, and F.A. Martz.
1977. Pasture systems for season-long grazing. *In Research Reports 1977*. Southwestern Missouri Agricultural Experiment Station Special Report 205. University of Missouri-Columbia, Columbia, MO. p. 39-42.
453. Mathis, G.W., M.M. Kothmann, and G.K. Burton.
1974. Cow-calf response to high-intensity, low frequency grazing. *In Beef Cattle Research in Texas 1973*. Texas Agricultural Experiment Station Progress Report. PR-3211-3243. Texas A&M University, College Station, TX. p. 86-89.
454. Nelson, J.R.
1978. Maximizing mixed animal species stocking rates under proper-use management. *Journal of Wildlife Management* 42(1):172-174.
455. Palmertree, H., and J.W. McKie.
1977. Winter grazing for stocker calves in Mississippi. Mississippi State University Cooperative Extension Service Publication 1022. Mississippi State University, Mississippi State, MS. 4 p.
456. Powell, J., and R. Baker.
1974. Effects of soil differences and grazing periods on rangeland vegetation production and regrowth. *In Eastern Pasture Research Station 1974*. Research Report P-705. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 33-37.
457. Powell, J., and J.F. George.
1973. Range vegetation and cattle response to short duration grazing during drought. *In Eastern Pasture Research Station Progress Report 1973*. Research Report P-686. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 32-37.
458. Reardon, P.O., and S.H. Fowler.
1978. Grazing system and breed type pay off in the feedlot. *Cattleman* 65(6):52-53, 72.
459. Smith, B.
1978. Grazing effects on herbage composition and nutrient distribution on a Florida range flatwoods. Thesis (Ph.D.), University of Florida, Gainesville, FL. 368 p.

Range Livestock

GENERAL

Historical, popular, and general account of the range livestock industry and of southern range livestock of all classes; range livestock management and handling, including grazing habits and growth of animals. See also Range Research and Range Management.

460. Akerman, J.A., Jr.
1976. Florida cowman, a history of Florida cattle raising. Florida Cattleman's Association, Kissimmee, FL. 286 p.
461. Ames, D.R., and L.W. Insley.
1975. Wind-chill effect for cattle and sheep. *Journal of Animal Science* 40(1):161-165.
462. Anderson, J.M., W.A. Pund, E.G. Morrison, and R.W. Rogers.
1975. Beef finishing programs for weanling calves. Mississippi Agricultural and Forest Experiment Station Bulletin 811. Mississippi State University, Mississippi State, MS. 24 p.
463. Bertrand, J.E., F.S. Baker, Jr., D.W. Beardsley, H.L. Chapman, Jr., and T.J. Cunha.
1974. Growing calves in Florida. Florida Agricultural Experiment Station Bulletin 761. University of Florida, Gainesville, FL. 48 p.
464. Boulware, R.F., F. Hembry, and P.E. Schilling.
1974. The comparative management systems for lamb production. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 217-218.
465. Box, T.W.
1974. Increasing red meat from rangeland through improved range management practices. *Journal of Range Management* 27(5):333-336.

466. Bradley, N.W., and J.A. Boling.
1975. Finishing beef cattle with pasture and grain. Kentucky Agricultural Experiment Station Progress Report 218. University of Kentucky, Lexington, KY. p. 5-12.
467. Burgess, S.L., ed.
1976. Forage feeding may prove best alternative in Georgia. The Paper 23:1, 4. University of Georgia, Agricultural Experiment Station, Athens, GA.
468. Cato, L.F.
1974. Beef cattle in South Carolina. South Carolina Agricultural Extension Circular 548. Clemson University, Clemson, SC. 26 p.
469. Clary, W.P., and H.E. Grelen.
1978. Comparison of beef gain potentials on cool semiarid and subtropical pine forest ranges. *In* Proceedings. 1st International Rangeland Congress, 14-18 Aug 1978, Denver, CO. Hyder, D.N., ed. Society for Range Management, Denver, CO. p. 600-602.
470. Crockett, J.R.
1978. Response to selection in Hereford cattle in a sub-tropical environment. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 9-13.
471. Davis, W.L., P.E. Humes, A.C. Boston, and E.A. Icaza.
1975. When should beef cows be culled? Louisiana Agriculture 18(4):6-7.
472. Fox, D.G.
1974. Idle acres available for beef. Livestock Breeder Journal 17(7):260, 262-265.
473. Franke, D.E., J.E. Pace, and H. Martojo.
1975. Factors influencing weaning performance in Florida BCIA herds. Florida Agricultural Experiment Station Bulletin 772. University of Florida, Gainesville, FL. 10 p.
474. Gilliam, H.C.
1973. Beef cattle production potential of set-aside land. U.S. Department of Agriculture Economic Research Service ERS-532. U.S. Department of Agriculture, Washington, DC. 48 p.
475. Hentges, J.F., Jr., S.E. Collins, and C.A. Robey, Jr.
1978. Comparison of cattle and water buffalo in Florida. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 40-46.
476. Hodgson, H.J.
1977. Gaps in knowledge and technology for finishing cattle on forages. Journal of Animal Science 44(5):896-900.
477. Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL.
1976. Beef cattle in Florida. Bulletin No. 28. Florida Department of Agriculture and Consumer Services, Information Services, Tallahassee, FL 32301. 375 p.
478. Jones, D., and J.V. Lowe.
1976. Intensive beef production in northwest Louisiana. Louisiana Rural Economist 38(4):10-13.
479. Kirk, W.G., E.M. Hodges, F.M. Peacock, L.L. Yarett, and F.G. Martin.
1974. Production of cow-calf herds: effects of burning native range and supplemental feeding. Journal of Range Management 27(2):136-139.
480. Pope, L.S.
1973. South's beef future? Big and booming! Progressive Farmer for Georgia 88(1):29-31.
481. Posey, J.T., and L.I. Smart.
1976. Early weaning of beef calves. Louisiana Agriculture 19(3):4-5.
482. Prater, T.E.
1973. Should you put your money in cows or savings? Progressive Farmer for Georgia 88(12):18-19.
483. Schupp, A., and J. Monroe.
1973. Forage fed slaughter beef: a victim of affluence. Louisiana Rural Economist 35(2):9-11.
484. Scruggs, C.G.
1978. The abc's of a forage-beef system: the beef challenge—the next step for cowmen. Progressive Farmer 93(9):18-21.
485. Spooner, A.E., and M.L. Ray.
1975. What research indicates that Arkansas beef cow-calf producers can do. I. To make the most effective use of pasture fertilizer dollars. Arkansas Agricultural Experiment Station Special Report 21. University of Arkansas, Fayetteville, AR. p. 22-25.
486. Stuedemann, J.A.
1976. Beef production in the humid subtropical areas of the continental United States. *In* Production of meat. Proceedings. International Seminar on Tropical Livestock, 8-12 Mar 1976, Acapulco, Mexico. Acapulco, Gro., Mexico, Bank of Mexico, S.A., Acapulco, Mexico. p. 141-160.

BREEDS AND BREEDING

Southern range livestock breeds and breeding systems and methods, including artificial insemination and judging.

487. Anderson, J.H., and R.L. Wilham.
1978. Weaning weight correction factors from Angus field data. Journal of Animal Science 47(1):124-130.
488. Anonymous.
1975. Raising AI conception rates. Agricultural Research 23(8):14.
489. Beverly, J.R.
1975. Recognizing and handling calving problems. Texas Agricultural Experiment Station Miscellaneous Publication 1203. Texas A&M University, Agricultural Experiment Station, College Station, TX. 8 p.

490. Boston, A.C.
1975. Preweaning comparisons of beef crossbreeding systems. *Louisiana Agriculture* 19(1):14-16.
491. Boston, A.C., M.S. Taylor, and E.A. Icaza.
1976. Productivity of first-cross Brahman beef cows. *Louisiana Agriculture* 19(4)
492. Brown, C.J., P.K. Lewis, Jr., and R.S. Honea.
1975. Growth and carcass characteristics of crossbred calves: Angus and Hereford dams, Angus, Hereford, Charolais, and Santa Gertrudis sires. *Arkansas Agricultural Experiment Station Bulletin* 797. University of Arkansas, Fayetteville, AR. 22 p.
493. Cartwright, T.C., H.A. Fitzhugh, Jr., and J.W. Farris.
1974. Factors affecting weaning weights of Santa Gertrudis calves. *Texas Agricultural Experiment Station Progress Report* PR-3211. Texas A&M University, Agricultural Experiment Station, College Station, TX. 5 p.
494. Crockett, J.R., and M. Koger.
1978. Evaluation of different breeds for commercial beef production in south Florida. *Florida Beef Cattle Research Report* 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 14-16.
495. Crockett, J.R., R.W. Kidder, M. Koger, and D.W. Beardsley.
1973. Beef production in a crisscross breeding system involving the Angus, Brahman, and Hereford. *Florida Agricultural Experiment Station Technical Bulletin* 759. University of Florida, Gainesville, FL. 10 p.
496. DeRouen, T.M., D.C. Meyerhoeffer, W.L. Reynolds, R.A. Harpel, N.T. Poche, and T. Bidner.
1974. Selection for adaptability of beef cattle to the gulf coast area. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 85-89.
497. Franke, D.E.
1977. Preweaning growth of calves and reproduction of cows from mating among beef and dairy breeds in north Florida. *Florida Agricultural Experiment Station Technical Bulletin* 787. University of Florida, Agricultural Experiment Station, Gainesville, FL. 11 p.
498. Humes, P.E., M. Landreneau, R. Bracy, and D. Babcock.
1977. Breed and winter pasture influences on preweaning productivity of zebu X dairy cows. *Livestock Producers' Day*, 6 Jan 1977, Baton Rouge, LA. *Livestock Producers' Day Report*, 17th Annual. Louisiana State University, Baton Rouge, LA. p. 88-92.
499. Icaza, E.A., and A.C. Boston.
1974. Comparisons among straightbred and crossbred steers for postweaning performance. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 80-84.
500. Kendrick, R.R., and A.C. Boston.
1974. Productivity of straightbred, backcross, and three-breed cross heifers. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 71-79.
501. Knox, J.W., and J.Y. Oakes.
1974. Crossbreeding with 'exotic' beef breeds. *Louisiana Agriculture* 17(3):4-5.
502. Knox, J.W., J.Y. Oakes, and C.K. Vincent.
1974. Effects of ear implants on estrus synchronization and fertility. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 119-123.
503. Koger, M., and W.C. Burns.
1978. Genetic adaptation and performance of beef cattle in Florida. *Florida Beef Cattle Research Report* 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 6-8.
504. Koger, M., and J.F. Hentges, Jr.
1976. Breeds of beef cattle in Florida. *In* *Beef cattle in Florida*. *Bulletin* No. 28. Florida Department of Agriculture and Consumer Services, Tallahassee, FL 32301. p. 12-32.
505. Koger, M., F.M. Peacock, W.G. Kirk, and J.R. Crockett.
1975. Heterosis effects of weaning performance of Brahman-Shorthorn calves. *Journal of Animal Science* 40(5):826-833.
506. Koger, M., A.C. Warnick, and R.E.L. Greene.
1978. Age to breed heifers. *Florida Beef Cattle Research Report* 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 57-60.
507. Koger, M., T.J. Cunha, and A.C. Warnick.
1973. Crossbreeding beef cattle: Series 2. University of Florida Press, Gainesville, FL. 459 p.
508. Kropp, J.R., J.W. Holloway, D.F. Stephens, L. Knori, R.D. Morrison, and R. Totusek.
1973. Range behavior of Hereford, Hereford X Holstein and Holstein non-lactating heifers. *Journal of Animal Science* 36(4):797-802.
509. Loyacano, A.F., W.A. Nipper, and C.K. Vincent.
1974. Effects of supplemental energy and season of breeding on the reproductive performance of beef cattle. *Journal of Animal Science* 39(2):281-285.
510. Loyacano, A.F., J.E. Pontif, and W.A. Nipper.
1977. Productivity of Hereford and first-cross cows compared. *Louisiana Agriculture* 20(3):12-13.
511. Moore, R.L., H.W. Essig, and L.J. Smithson.
1975. Influence of breeds of beef cattle on ration utilization. *Journal of Animal Science* 41(1):203-207.

512. Morrison, E.G.
1975. Crossbreeding beef cattle, winter grazing, forage pasture and field crops and small grains studied by station. *MAFES Research Highlights* 38(5):6-7.
513. Oliver, W.M.
1974. Gains of purebred and crossbred stocker steers on winter pasture. *Louisiana Agriculture* 18(1):3,16.
514. Oliver, W.M.
1976. Effect of Brahman breeding on gains of calves on coastal bermudagrass. *Louisiana Agriculture* 20(2):12-13,15.
515. Patterson, T.B., J.A. McGuire, and R.A. Moore.
1974. Effects of Brown Swiss, Charolais, Holstein, and Hereford breeding on production in a grade beef herd. *Alabama Agricultural Experiment Station Bulletin* 461. Auburn University, Auburn, AL. 11 p.
516. Patterson, T.B., L.A. Smith, and H.W. Grimes.
1973. A comparison of calves by Charolais and Hereford bulls. *Alabama Agricultural Experiment Station Bulletin* 449. Auburn University, Auburn, AL. 15 p.
517. Peacock, F.M., M. Koger, E.M. Hodges, and W.G. Kirk.
1974. Beef cattle production as affected by breed composition and forage systems. *Proceedings. Soil and Crop Science Society of Florida*, 33. p. 50-53.
518. Peacock, F.M., M. Koger, J.R. Crockett, and A.C. Warnick.
1977. Reproductive performance and crossbreeding Angus, Brahman and Charolais cattle. *Journal of Animal Science* 44(5):729-733.
519. Peacock, F.M., M. Koger, and E.M. Hodges.
1978. Weaning traits of Angus, Brahman, Charolais and F₁ crosses of these breeds. *Journal of Animal Science* 47(2):366-369.
520. Peacock, F.M., E.M. Hodges, W.G. Kirk, M. Koger, and A.C. Warnick.
1976. Reproductive behavior of crossbred heifers bred as yearlings. *Florida Agricultural Experiment Station Circular S-236*. University of Florida, Gainesville, FL. 5 p.
521. Peacock, F.M., M. Koger, J.W. Carpenter, A.Z. Palmer, J.R. Crockett, and D.E. Franke.
1977. Evaluation of the Charolais as straightbred and crossbred for beef production in south central Florida. *Florida Agricultural Experiment Station Bulletin* 786. University of Florida, Gainesville, FL. 7 p.
522. Peacock, F.M., M. Koger, W.G. Kirk, and J.R. Crockett.
1976. Crossbreeding cattle for weaning and feedlot performance in south central Florida. *Florida Agricultural Experiment Station Bulletin* 782. University of Florida, Gainesville, FL. 10 p.
523. Peacock, F.M., M. Koger, W.G. Kirk, E.M. Hodges, and J.R. Crockett.
1976. Beef production of Brahman, Shorthorn, and their crosses on different pasture programs. *Florida Agricultural Experiment Station Bulletin* 780. University of Florida, Gainesville, FL. 19 p.
524. Peacock, F.M., W.G. Kirk, M. Koger, and A.C. Warnick.
1976. Reproductive behavior of Brahman cows. *Florida Agricultural Experiment Station Circular S-237*. University of Florida Agricultural Research Center, Ona, FL. 5 p.
525. Peacock, F.M., W.G. Kirk, M. Koger, J.W. Carpenter, and J.R. Crockett.
1977. Evaluation of the Brahman breed as straightbred and crossbred for beef production in south central Florida. *Florida Agricultural Experiment Station Bulletin* 790. University of Florida Agricultural Research Center, Ona, FL. 13 p.
526. Sanders, W.L., B.R. McManus, and R.A. Reynolds.
1974. Culling beef cows. *Tennessee Farm and Home Science. Progress Report* 92:31-33.
527. Shelton, M., and J.L. Groff.
1974. Reproductive efficiency in Angora goats. *Texas Agricultural Experiment Station Bulletin* 1136. Texas A&M University, College Station, TX. 14 p.
528. Shelton, M., and D. Spiller.
1977. Breeding season variation of Spanish does. *Texas Agricultural Experiment Station Progress Report* 3445. Texas Agricultural Experiment Station, San Angelo, TX. 4 p.
529. Shumway, C.R.
1974. Will crossbred beef cattle pay? *North Carolina Agricultural Extension Circular* 583. North Carolina Agriculture Extension Service, Raleigh, NC. 15 p.
530. Wettemann, R.P., E.J. Turman, R.D. Wyatt, L. Knori, and R. Totusek.
1976. Reproductive performance of range cows with various suckling intensities. *In Animal sciences and industry research report* 1976. Research Report MP-96. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 121-125.
531. Wettemann, R.P., E.J. Turman, R.D. Wyatt, and R. Totusek.
1978. Influence of suckling intensity on reproductive performance of range cows. *Journal of Animal Science* 47(2):342-346.

FEEDS AND FEEDING

- Animal nutrition and supplemental feeding on the range, feedlots for winter, and feeding range animals for market. See also Forage Value, Quality and Food Habits.*
532. Acosta, R.A., and M.M. Kothmann.
1978. Chemical composition of esophageal-fistula forage samples as influenced by drying method and salivary leaching. *Journal of Animal Science* 47(3):691-698.
533. Allison, C.D.
1978. Forage intake of cattle as affected by stocking pressure. Thesis (Ph.D.), Texas A&M University, College Station, TX. 232 p.
534. Amos, H.E., and J. Evans.
1976. Supplementary protein for low quality bermudagrass diets and microbial protein synthesis. *Journal of Animal Science* 43(4):861-868.
535. Anonymous.
1975. Has forage-fed beef found a home? *Progressive Farmer* 90(5):20, 41.
536. Anonymous.
1977. Research report: cage layer waste for feed. Heifers gain more with cage layer waste range cubes (Abstr.). *MAFES Research Highlights* 40(8):6.
537. Anthony, W.B., and L.A. Smith.
1974. Value of creep feeding depends on conditions. *Highlights of Agricultural Research* 21(2):5.
538. Apple, K.L., and D.R. Gill.
1977. The effect of monensin on weight gains of steers and heifers grazing fescue pasture during the winter. *In* Animal science research report. Thayer, R.H., and J.R. Cozart, eds. Miscellaneous Publication MP-101. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 4-7.
539. Barrick, E.R., T.N. Blumer, M.B. Wise, B.K. Ashford, A.C. Canto, and B.C. Allison.
1976. Finishing heifers on pasture with limited grain feeding. *North Carolina Agricultural Experiment Station Bulletin* 452. North Carolina State University, Raleigh, NC. 21 p.
540. Beacom, S.E.
1976. Maximizing use of forage in growing and finishing rations for beef cattle. *Beef Cattle Science Handbook* 13. Agriservices Foundation, Clovis, CA 93612. p. 523-533.
541. Bell, M.C., and J.A. Bacon.
1976. Selenium in forages and the need for selenium for livestock. *Tennessee Farm and Home Science. Progress Report* 99:16-18.
542. Bertrand, J.E.
1978. The production of lightweight beef on winter annual pastures with and without grain supplementation. *Florida Beef Cattle Research Report* 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 47-49.
543. Boggs, D., J.G. Riley, and E.F. Smith.
1976. Response of yearling steers on bluestem pasture to Ralgro, Synovex S, and stilbestrol implants. *Kansas Agricultural Experiment Station Progress Report* 262. Kansas State University, Manhattan, KS. 21 p.
544. Boleman, L.L.
1977. Liquid supplements—prescription nutrition for cattle. *Texas Agriculture Progress* 23(4):5-7.
545. Bond, J., and T.S. Rumsey.
1973. Liquid molasses-urea or biuret (npr) feed supplements for beef cattle: wintering performance, ruminal differences and feeding patterns. *Journal of Animal Science* 37(2):593-598.
546. Chapman, H.L., Jr., and J.E. Pace.
1974. Liquid feed mixtures for beef cattle. *Florida Agricultural Experiment Station Circular* S-229. University of Florida, Agricultural Experiment Station, Gainesville, FL. 9 p.
547. Chapman, H.L., Jr., and J.E. Pace.
1974. Non-protein nitrogen for beef cattle. *Florida Agricultural Experiment Station Circular* S-230. University of Florida, Agricultural Experiment Station, Gainesville, FL. 5 p.
548. Clarke, S.D., and I.A. Dyer.
1973. Chemically degraded wood in finishing beef cattle rations. *Journal of Animal Science* 37(4):1022-1026.
549. Cook, M.K.
1976. Winter feed your brood cows properly. *Georgia Agricultural Extension Circular* 529. University of Georgia, Agricultural Extension Service, Athens, GA. 6 p.
550. Cross, D.L., J.A. Boling, and N.W. Bradley.
1973. Chromic oxide and crude protein excretion in the bovine as influenced by water restriction. *Journal of Animal Science* 36(5):982-985.
551. Cross, D.L., G.C. Skelley, C.S. Thompson, and B.F. Jenny.
1978. Efficacy of broiler litter silage for beef steers. *Journal of Animal Science* 47(2):544-551.
552. Davis, G.V., and A.B. Erhart.
1976. Effects of monensin and urea in finishing steer rations. *Journal of Animal Science* 43(1):1-8.
553. DeRouen, T.M., W.L. Reynolds, R.A. Harpel, D.C. Meyerhoeffler, and N.T. Pouche.
1974. Biuret for wintering replacement heifers in the Gulf Coast area. *Livestock Producers' Day*, 9 Jan 1974, Baton Rouge, LA. *Livestock Producers' Day Report*, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 162-166.
554. Drache, H.
1974. Forage fed beef. *Feedlot Management* 16(12):26-28.

555. Durham, A.J., and M.M. Kothmann.
1975. Nutritive status of cows wintering on native ranges of the Texas coastal prairie. *In* Rangeland resources research 1971-1974. Texas Agricultural Experiment Station Consolidated Progress Report PR-3341. Texas A&M University, College Station, TX.
556. Ehmke, V.
1975. Finishing cattle on forage—backed by years of research. *Progressive Farmer* 90(5):21.
557. Ehmke, V.
1978. Double cropping cattle and soybeans. *Cattleman* 65(1):48.
558. Eisele, G.R., H.J. Smith, R.R. Shrode, and J.A. Odom.
1976. Crossbreeding of sheep. *Tennessee Farm and Home Science. Progress Report* 99:4-5.
559. Grelen, H.E., and H.A. Pearson.
1977. Liquid supplements for cattle on southern forest range. *Journal of Range Management* 30(2):94-96.
560. Hansard, S.L., F.C. Madsen, G.M. Merriman, and J.B. McLaren.
1975. Tennessee grass-fed cattle need supplementary magnesium. *Tennessee Farm and Home Science. Progress Report* 93:36-38.
561. Hansard, S.L., and F.C. Madsen.
1975. Phytin phosphorus utilization by sheep. *Tennessee Farm and Home Science. Progress Report* 93:2-3.
562. Harris, R.R., W.B. Anthony, J.A. Little, and V.L. Brown.
1976. Monensin tried as feed additive for steers. *Highlights of Agricultural Research* 23(2):5.
563. Holt, E.C.
1977. Meeting the nutrient requirements of beef cattle with forage. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 261-285.
564. Hughes, J.H., D.F. Stephens, K.S. Lusby, L.S. Pope, J.V. Whiteman, L.J. Smithson, and R. Totusek.
1978. Long-term effects of winter supplement on growth and development of Hereford range females. *Journal of Animal Science* 47(4):805-815.
565. Hughes, J.H., D.F. Stephens, K.S. Lusby, L.S. Pope, J.V. Whiteman, L.J. Smithson, and R. Totusek.
1978. Long-term effects of winter supplement on the productivity of range cows. *Journal of Animal Science* 47(4):816-827.
566. Hull, J.L., C.A. Raquse, J.G. Morris, and R. Delmas.
1974. Feedlot animal waste compared with cottonseed meal as a supplement for pregnant range cows. *Journal of Range Management* 27(3):192-194.
567. Johnson, R.R., J.W. Butterbaugh, and M. McGeehon.
1973. Acid hydrolyzed wood residue as an ingredient in ruminant rations. *In* Animal sciences and industry research report. Beef and dairy cattle, swine, sheep, poultry and their products. Research Report MP-90. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 205-212.
568. Keith, E.A., L.B. Daniels, and Q.R. Hornsby.
1975. Feeding value of hardwood sawdust in dairy rations. *Arkansas Farm Research* 24(6):13.
569. Koes, R.M., and W.H. Pfander.
1974. Increased utilization of bluestem hay with the addition of water or certain protein sources. *Journal of Animal Science* 38(3):662-668.
570. Kropp, J.R., R.R. Johnson, J.R. Males, and F.N. Owens.
1977. Microbial protein synthesis with low quality roughage rations: levels and sources of nitrogen. *Journal of Animal Science* 45(4):844-854.
571. Loggins, P.E., D.E. Franke, and C.G. Hurley.
1975. Factors influencing growth and reproduction in Rambouillet and Florida Native sheep. Florida Agricultural Experiment Station Technical Bulletin 773. University of Florida, Gainesville, FL. 9 p.
572. Lusby, K.S., D.F. Stephens, L. Knori, and R. Totusek.
1976. Forage intake of range cows as affected by breed and level of winter supplement. *In* Animal Science Research, 1976. Oklahoma Agricultural Experiment Station Miscellaneous Publication 96. Oklahoma Agricultural Experiment Station, Stillwater, OK. p. 27-31.
573. Lusby, K.S., R. Totusek, L. Knori, D.F. Stephens, J.V. Whiteman, J.W. Holloway, and R.A. Dean.
1974. Performance of four-year-old Hereford, Hereford X Holstein and Holstein females as influenced by level of winter supplementation under range conditions. Oklahoma Agricultural Experiment Station Miscellaneous Publication 92. Oklahoma Agricultural Experiment Station, Stillwater, OK. p. 56-65.
574. McLaren, J.B., and R.E. Morrow.
1975. Effect of nutritional level on growth in beef cows. *Tennessee Farm and Home Science. Progress Report* 96:28-29.
575. McLaren, J.B., and G.M. Merriman.
1975. Effects of fluorine on productivity and longevity in beef cows. *Tennessee Agricultural Experiment Station Bulletin* 549. University of Tennessee, Knoxville, TN. 60 p.
576. Mott, G.O.
1976. Feeding concentrate on pasture not easy, but worth it. *Crops and Soils* 29(1):18-19.

577. National Academy of Sciences.
1973. Effect of processing on the nutritional value of feeds. National Academy of Sciences, Washington, DC. 494 p.
578. National Research Council, Committee on Natural Resources.
1976. Urea and other nonprotein nitrogen compounds in animal nutrition. National Academy of Sciences, Washington, DC. 120 p.
579. Neel, J.B., J.A. Corrick, Jr., and W.T. Butts, Jr.
1974. The influence of initial cow weight on calf performance and TDN efficiency in production of slaughter cattle. Tennessee Farm and Home Science. Progress Report 90:9-11.
580. Nix, J.E.
1975. Grain-fed versus grass-fed beef production. *In* Livestock and meat situation. Livestock and Meat Situation LMS-202. U.S. Department of Agriculture, Economics, Statistics and Cooperatives Service, Washington, DC. p. 37-42.
581. Oliver, W.M.
1973. Molasses decreases weight loss in stocker cattle on winter pasture. Louisiana Agriculture 17(1):8-9,11.
582. Oliver, W.M.
1975. Effect of monensin on gains of steers grazed on coastal bermudagrass. Journal of Animal Science 41(4):999-1001.
583. Oltjen, R.R., W.C. Burns, and C.B. Ammerman.
1974. Biuret versus urea and cottonseed meal for wintering and finishing steers. Journal of Animal Science 38(5):975-983.
584. Oltjen, R.R., D.A. Dinius, and H.K. Goering.
1977. Performance of steers fed crop residues supplemented with nonprotein nitrogen, minerals, protein and monensin. Journal of Animal Science 45(6):1442-1452.
585. Osuji, P.O.
1974. The physiology of eating and the energy expenditure of the ruminant at pasture. Journal of Range Management 27(6):437-443.
586. Pate, F.M.
1978. Value of sugarcane molasses as an energy supplement for yearling cattle on pasture. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 72-74.
587. Pate, F.M., and J.R. Crockett.
1978. Limited creep-feeding of calves prior to weaning. Florida Beef Cattle Research Report 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 50-52.
588. Pate, F.M., B.W. Hayes, D.W. Beardsley, R.E.L. Greene, A.Z. Palmer, and J.W. Carpenter.
1975. Supplemental feeding of steers on everglades pasture: effect on pasture and feedlot performance and economics of production income. Florida Agricultural Experiment Station Bulletin 775. University of Florida, Gainesville, FL. 17 p.
589. Pearson, H.A.
1974. Liquid supplements for cattle grazing native range. Livestock Producers' Day, 9 Jan 1974, Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 33-40.
590. Pope, L.S.
1976. Practical considerations in the production of beef with maximum forage and minimum grain. Journal of Animal Science 42(3):783-786.
591. Powell, J.
1973. Effects of protein supplementation and growth hormone implantation on range heifers during drought in eastern Oklahoma. Miscellaneous Publication No. 57. Oklahoma State University, Oklahoma Agricultural Experiment Station, Stillwater, OK. p. 26-31.
592. Ray, M.L.
1977. Use of monensin when growing steers on winter feed. Arkansas Farm Research 26(3):8.
593. Rider, A.R., and B.D. Boyer.
1974. Storing and feeding large roll bales. *In* Eastern Pasture Research Station 1974. Research Report P-705. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 37-43.
594. Rush, I.G., R. Helderman, W.E. Sharp, and R. Totusek.
1973. Self-feeding vs. six or three times per week feeding of high urea winter supplements to range cows. *In* Animal sciences and industry research report. Beef and dairy cattle, swine, sheep, poultry and their products. Research Report MP-90. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 55-60.
595. Rush, I.G., and R. Totusek.
1975. Effects of frequency of ingestion of high-urea winter supplements by range cattle. Journal of Animal Science 41(4):1141-1146.
596. Schake, L.M.
1976. Influence of Zeranol implants and anthelmintic treatments on performance of stocker calves on east Texas pastures. *In* Beef cattle research in Texas 1974-1975. Texas Agricultural Experiment Station Progress Report PR-3383C. Texas Agricultural Experiment Station, College Station, TX. p. 232-237.
597. Schneider, B.H., and W.P. Flatt.
1975. The evaluation of feeds through digestibility experiments. University of Georgia Press, Athens, GA. 422 p.
598. Sell, W.H.
1973. Forage system, beef cattle—north Georgia. Georgia Cooperative Extension Service Circular 662. University of Georgia, Athens, GA. 2 p.
599. Smith, A.E.
1973. Influence of 2,4-D and 2,4,5-T on in vitro digestion of forage samples. Journal of Range Management 26(4):272-274.

LIVESTOCK DISEASES AND PESTS

600. Tippin, T.
1978. Cattle on forest range need protein supplement. *Progressive Farmer for Louisiana* 93(12):56.
601. Tisdale, S.L.
1977. Sulphur in forage quality and ruminant nutrition. Sulphur Institute Technical Bulletin 22. Sulphur Institute, Washington, D.C. 13 p.
602. Totusek, R.
1976. Forage fed beef: potential and pitfalls. *Beef Cattle Science Handbook* 13. Agriservices Foundation, Clovis, CA 93612. p. 1517-1522.
603. Utley, P.R.
1976. Performance and carcass characteristics of steers, steers implanted with Zeranol, and bull calves. *Georgia Agricultural Experiment Station Research Report* 221. University of Georgia, Tifton, GA. 9 p.
604. Utley, P.R., R.E. Hellwig, and W.C. McCormick.
1975. Finishing beef cattle for slaughter on all-forage diets. *Journal of Animal Science* 40(6):1034-1038.
605. Utley, P.R., and W.C. McCormick.
1973. Cottonseed meal and biuret mixtures as winter supplements for beef cows. *Georgia Agricultural Research* 14(3):5-6.
606. Utley, P.R., G.L. Newton, R.J. Ritter, III, and W.C. McCormick.
1976. Effects of feeding monensin in combination with Zeranol and Testosterone-Estradiol implants for growing and finishing heifers. *Journal of Animal Science* 42(3):754-760.
607. Utley, P.R., and W.C. McCormick.
1973. Feeding cottonseed meal and a mixture containing biuret as supplements for wintering beef cows and heifers. *Georgia Agricultural Experiment Station Research Report* 176. University of Georgia, Tifton, GA. 7 p.
608. Ventura, M., J.E. Moore, O.C. Ruelke, and D.E. Franke.
1975. Effect of maturity and protein supplementation on voluntary intake and nutrient digestibility of pangola digitgrass hays. *Journal of Animal Science* 40(4):769-774.
609. Vijchulata, P., C.B. Ammerman, and A.Z. Palmer.
1978. Monensin in rations containing dried citrus pulp and cage layer manure for finishing steers. *Florida Beef Cattle Research Report* 1978. University of Florida, Cooperative Extension Service, Gainesville, FL. p. 78-81.
610. Warren, W.P., F.A. Martz, K.H. Asay, E.S. Hildebrand, C.G. Payne, and J.R. Vogt.
1974. Digestibility and rate of passage by steers fed tall fescue, alfalfa and orchardgrass hay in 18 and 32 C ambient temperatures. *Journal of Animal Science* 39(1):93-96.
611. Williams, J.N., II, and R.F. Wheeler.
1975. Wintering cows on natural and synthetic protein supplements. *South Carolina Agricultural Experiment Station Bulletin* 586. 10 p.
- All enemies of range animals, including diseases, poisons, parasites, predators, and mechanically injurious range plants. See also Problem Plants and Plant Control.*
612. Anonymous.
1975. The imported fire ant—a rural and residential pest (Rev.). 6th Southern Forest Soils Workshop, 19-21 Oct 1976, Charleston, SC. U.S. Department of Agriculture Program Aid 592. U.S. Department of Agriculture, Washington, DC. 8 p.
613. Anonymous.
1977. Face flies: researchers study pesticide potential of dyes. *MAFES Research Highlights* 40(8):7-8.
614. Anonymous.
1978. Grass tetany risk to cows is high. *Louisiana Cattleman* 11(2):35.
615. Barker, R.W.
1977. Insect growth regulating chemicals: efficacy and potential value as a tool to control horn flies. *Georgia Agricultural Research* 18(4):12-13.
616. Bay, D.E., and M.L. Scofield.
1976. Evaluation of methoprene impregnated mineral blocks for horn fly control. *Texas Agricultural Experiment Station Miscellaneous Publication* 1278. Texas A&M University, College Station, TX. 2 p.
617. Blood, D.C., and J.A. Henderson.
1974. *Veterinary medicine* (4th ed.). Williams and Wilkins, Baltimore. 964 p.
618. Brown, J.R., and F.A. Martz.
1973. Grass tetany, the sudden killer. *Crops and Soils* 26(2):10-11.
619. Buck, W.B., G.D. Osweiler, and G.A. VanGelder.
1973. *Clinical and diagnostic veterinary toxicology* (2nd ed.). Kendall/Hunt Publishing Co., 2460 Kerper Blvd., Dubuque, IA. 380 p.
620. Bush, L., and R.C. Buckner.
1973. Tall fescue toxicity. *In* [Proceedings]. *Anti-quality Components of Forages, 1972*, Miami Beach, FL. Matches, A.G., ed. *CSSA Special Publication No. 4*. Crop Science Society of America, Madison, WI. p. 99-112.
621. Ciordia, H.
1973. Parasitism in pastured and feedlot cattle. *Georgia Agricultural Experiment Station Research Report* 166. University of Georgia, Tifton, GA. 22 p.
622. Ciordia, H., J.V. Ernst, J.A. Stuedemann, S.R. Wilkinson, and H.C. McCampbell.
1977. Gastrointestinal parasitism of cattle on fescue pastures fertilized with broiler litter. *American Journal of Veterinary Research* 38(9):1335-1339.
623. Colby, R.W.
1973. Grass tetany in beef cattle. *Practicing Nutritionist* 7(2):5-7.

624. Dobbins, C.N., Jr.
1977. Veterinary health notes: blackleg in cattle. Georgia University Cooperative Extension Service Leaflet 271. University of Georgia, Athens, GA. 4 p.
625. Dobbins, C.N., Jr.
1977. Veterinary health notes: leptospirosis in cattle. Georgia University Cooperative Extension Service Leaflet 270. University of Georgia, Athens, GA. 6 p.
626. Duren, E.
1973. The use of water in medication and pest control for beef cattle. *In* Proceedings. Water-Animal Relations Symposium, Jun 1973, Twin Falls, ID. U.S. Department of Agriculture, Science and Education Administration, Agricultural Research (SEA-AR), Water-Animal Relations Committee, Kimberly, ID 83341. p. 20-27.
627. Epps, E.A., Jr., and M. Allen.
1974. Nitrate poisoning in ryegrass. *Louisiana Agriculture* 17(4):13,15.
628. Gerhardt, R.R., and C.W. Cook.
1976. A large-scale test of an oral insecticide for controlling face flies. *Tennessee Farm and Home Science. Progress Report* 99:9-10.
629. Glick, J.I.
1976. Infestation of native Florida cattle with the northern cattle grub, *Hypoderme bovis* (Diptera: Oestridae). *Florida Entomologist* 59(2):190.
630. Grunes, D.L.
1973. Grass tetany of cattle and sheep. *In* [Proceedings]. Anti-quality Components of Forages, 1972, Miami Beach, FL. Matches, A.G., ed. CSSA Special Publication No. 4. Crop Science Society of America, Madison, WI. p. 113-140.
631. Guthery, F.S.
1978. Predator control increases deer production. *Cattleman* 65(3):58, 84, 86.
632. Ibsen, D.
1976. Cattle diseases: blackleg, malignant edema, black disease, redwater, and enterotoxemia. *Arkansas Cattle Business* 12(11):48,50.
633. Jones, B.F., and G. Barnes.
1975. Protect beef cattle from external parasites. Cooperative Extension Service Leaflet 285 (rev.). University of Arkansas, Fayetteville, AR. 12 p.
634. Jones, J.B., J.A. Stuedemann, S.R. Wilkinson, C.M. Triplett, and W.H. Sell.
1973. Grass tetany alert—south Georgia, 1973. *Georgia Agricultural Research* 15(2):4-8.
635. Lacefield, G., D. Miksch, and C. Absher.
1977. Forage related cattle disorders. University of Kentucky Cooperative Extension Service ASC 57. University of Kentucky, Lexington, KY. 7 p.
636. Lewert, H.V.
1974. A closer look at the pesticide question for those who want the facts. Dow Chemical Company, Midland, MI. 41 p.
637. Loyacano, A.F., W.A. Nipper, and B.W. Blakewood.
1974. Effects of vaccination of beef cattle for anaplasmosis. Livestock Producers' Day, 9 Jan 1974, Baton Rouge, LA. Livestock Producers' Day Report, 14th Annual. Louisiana State University, Baton Rouge, LA. p. 204-205.
638. McLaren, J.B., D.W. Saylor, S.L. Hansard, and L.M. Safley.
1975. Effects of supplemental magnesium on the incidence of grass tetany in beef cows. *Tennessee Farm and Home Science. Progress Report* 94:21-23.
639. Meek, C.L.
1976. Face fly, *Musca autumnalis*: a new cattle pest in Louisiana. *Louisiana Agriculture* 19(4):9,11.
640. Meyerholz, G.W.
1976. Foot rot in beef cattle. University of Kentucky, Department of Animal Science ASC 47. 2 p.
641. Miller, J.K., D.E. Lentz, F.C. Madsen, and S.L. Hansard.
1976. Relationship of dietary carbohydrate, magnesium, and potassium to grass tetany. *Tennessee Farm and Home Science. Progress Report* 98:2-4.
642. Ohlenbusch, P.D.
[n.d.]. A possible relationship between climate, vegetation, management and occurrence of hard yellow liver disease. Texas Agricultural Experiment Station Progress Report PR-3423. Texas A&M University, College Station, TX. 4 p.
643. Patrick, C.D., and J.A. Hair.
1977. Seasonal abundance of lone star ticks on white-tailed deer. *Environmental Entomology* 70(5):664-666.
644. Ronald, N.C., and C.W. Wingo.
1973. Cost and effectiveness of horn fly and face fly control programs in semi-isolated range herds in central Missouri. *Journal of Economic Entomology* 66(3):693-696.
645. Rumsey, T.S., J.A. Stuedemann, S.R. Wilkinson, and D.J. Williams.
1979. Chemical composition of necrotic fat lesions in beef cows grazing fertilized "Kentucky-31" tall fescue. *Journal of Animal Science* 48(3):673-682.
646. Scheibner, R.A., C. Christensen, and F.W. Knapp.
1976. Livestock insects. Kentucky Agricultural Extension Service ENT-34. University of Kentucky, Lexington, KY. 8 p.
647. Scheibner, R.A., and F.W. Knapp.
1974. Control of beef animal insects—1974 (Rev.). University of Kentucky Cooperative Extension Service ENT-11. University of Kentucky, Lexington, KY. 3 p.
648. Smithson, L.J., E.G. Morrison, N.C. Edwards, Jr., and H.W. Essig.
1977. Effectiveness of anthelmintics for steers grazing winter pasture. *Mississippi Agricultural*

- and Forestry Experiment Station Research Report 3(1). Mississippi State University, Mississippi State, MS. 2 p.
649. Stuedemann, J.A., S.R. Wilkinson, W.A. Jackson, R.L. Wilson, Jr., and J.B. Jones.
1974. Controlling grass tetany with a foliar applied MgO-bentonite-water slurry (Abstr.). *Journal of Animal Science* 39(1):254.
650. Subcommittee of the U.S. Animal Health Association Committee on Leptospirosis.
1976. Leptospirosis of domestic animals. U.S. Department of Agriculture, Agriculture Information Bulletin No. 394. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC. 9 p.
651. Vance, J.E.
1978. Research continues quest for cure to brucellosis. *Cattleman* 65(4):45, 78.
652. Wilkinson, S.R., J.A. Stuedemann, J.B. Jones, W.A. Jackson, and J.W. Dobson.
1973. Environmental factors affecting Mg concentrations and tetanigenicity of pastures. *In* Proceedings. Symposium on Magnesium in Animal Health and Crop Production, 5-6 Oct 1972, Ft. Valley, GA. Jones, J.B., M.C. Blount, and S.R. Wilkinson, eds. University of Georgia, Athens, GA. p. 153-175.
653. Williams, J.C., and J.W. Knox.
1976. Effect of nematode parasite infection on the performance of stocker cattle at high stocking rates on coastal bermudagrass pastures. *American Journal of Veterinary Research* 37(4):453-464.
654. Williams, M., S.R. Shaffer, G.B. Garner, S. Yates, H.L. Tookey, L.D. Kintner, S.L. Nelson, and J.T. McGinity.
1975. Induction of fescue foot syndrome in cattle by fractionated extracts of toxic fescue hay. *American Journal of Veterinary Research* 36(9):1353-1357.

Range Influences

GENERAL

General treatment of land uses which have a direct influence on southern livestock ranges.

655. Blair, R.M., and H.G. Enghardt.
1976. Deer forage and overstory dynamics in a loblolly pine plantation. *Journal of Range Management* 29(2):104-108.
656. Blair, R.M., and D.P. Feduccia.
1977. Midstory hardwoods inhibit deer forage in loblolly pine plantations. *Journal of Wildlife Management* 41(4):677-684.
657. Christensen, N.L.
1976. Short-term effects of mowing and burning on soil nutrients in Big Meadows, Shenandoah National Park. *Journal of Range Management* 29(6):508-509.
658. Halls, L.K.
1974. Deer browse growth reduced by pine overstory. *In* Proceedings. 27th Southeastern Association of Game and Fish Commissioners Annual Conference, 14-17 Oct 1973, Hot Springs, AR. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 304-306.
659. Holt, E.C.
1973. Forage production in pecan orchards. Texas Agricultural Experiment Station Bulletin 1311. Texas A&M University, College Station, TX. 8 p.
660. Pearson, H.A., and L.B. Whitaker.
1974. Forage and cattle responses to different grazing intensities on southern pine range. *Journal of Range Management* 27(6):444-446.

FORESTRY

Forest growth and reproduction and timber management systems. Coordination of forestry and grazing, including grazing damage to trees.

661. Ball, M.J.
1978. Understory relationships in north Florida bedded slash pine plantations. Thesis (M.S.), University of Florida, Gainesville, FL. 98 p.
662. Ball, M.J., D.H. Hunter, and B.F. Swindel.
1979. Understory development in north Florida bedded slash pine plantations. IMPAC Reports 4(6). University of Florida, Gainesville, FL. 12 p.
663. Boyce, S.G.
1978. Theory for new directions in forest management. USDA Forest Service Research Paper SE-193. Southeastern Forest Experiment Station, Asheville, NC. 19 p.
664. Boyce, S.G.
1978. Management of forests for timber and related benefits (DYNAST-TM). USDA Forest Service Research Paper SE-184. Southeastern Forest Experiment Station, Asheville, NC. 140 p.
665. Boyce, S.G., and N.D. Cost.
1978. Forest diversity—new concepts and applications. USDA Forest Service Research Paper SE-194. Southeastern Forest Experiment Station, Asheville, NC. 36 p.
666. Burkhart, H.E., and M.R. Strub.
1974. Dry weight yield estimates for loblolly pine: a comparison of two techniques. *In*

- IUFRO biomass studies. Working Party on Mensuration of Forest Biomass, 25-29 Jun 1973; 20-24 Aug 1973, Nancy, France; Vancouver, British Columbia, Canada. Young, H., ed. University of Maine Press, Orono, ME. p. 27-40.
667. Callahan, L.M., and H.A. Fribourg.
1975. Effects of shade on stand and sod quality of selected turf and forage grasses. Tennessee Farm and Home Science. Progress Report 96:13-15.
668. Campbell, T.E.
1976. Bird and mammal problems in southeastern pine forests. *In* Proceedings. 7th Vertebrate Pest Conference, Mar 1976, Monterey, CA. 17 p.
669. Edwards, M.G.
1977. The role of wildlife in forest management. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, p. 35-38.
670. Harms, W.R., and O.G. Langdon.
1976. Development of loblolly pine in dense stands. *Forest Science* 22(3):331-337.
671. Harris, W.F., and D.E. Reichle.
1973. Evaluating forest productivity in an ecosystem context. *In* Proceedings. 21st Annual Meeting Agricultural Research Institute, 10-11 Oct 1972, Washington, DC. National Academy of Sciences, Washington, DC. p. 57-68.
672. Hughes, R.H.
1976. Response of planted south Florida slash pine to simulated cattle damage. *Journal of Range Management* 29(3):198-201.
673. King, D.R., R.L. Bailey, and P.W. Walston.
1978. Predicting cattle damage in first-year loblolly pine plantations. *Journal of Range Management* 31(3):234-235.
674. Lewis, C.E.
1975. Grazing consideration in managing pines. *In* Proceedings. Symposium on Management of Young Pines, 22-24 Oct 1974; 3-5 Dec 1974, Alexandria, LA; Charleston, SC. Southern Forest Experiment Station, New Orleans, LA. 349 p.
675. Lewis, C.E.
1977. Longleaf pine responds through age 15 to early fertilization. USDA Forest Service Research Note SE-239. Southeastern Forest Experiment Station, Asheville, NC. 7 p.
676. Musselman, L.J., and W.F. Mann, Jr.
1978. Root parasites of southern forests. USDA Forest Service General Technical Report SO-20. Southern Forest Experiment Station, Southeastern Area, State and Private Forestry, New Orleans, LA. 76 p.
677. Pearson, H.A.
1975. Range and wildlife opportunities—multiple use of southern pine forests. *In* Proceedings. Symposium on Management of Young Pines, 22-24 Oct 1974, Alexandria, LA. Southern Forest Experiment Station, New Orleans, LA. p. 19-27.
678. Pearson, H.A., and L.B. Whitaker.
1974. Yearlong grazing of slash pine ranges: effects on herbage and browse. *Journal of Range Management* 27(3):195-197.
679. Reichle, D.E., ed.
1973. Analysis of temperate forest ecosystems. Ecological Studies. Analysis and Synthesis 1. Springer-Verlag, New York, NY. 304 p.
680. Siegel, W.C.
1973. Long-term contracts for forest land and timber in the South. USDA Forest Service Research Paper SO-87. Southern Forest Experiment Station, New Orleans, LA. 14 p.
681. Southern Forest Fire Laboratory Personnel.
1976. Southern forestry smoke management guidebook. USDA Forest Service General Technical Report SE-10. Southeastern Forest Experiment Station, Asheville, NC. 140 p.
682. Taylor, G.L.
[n.d.]. The effect of clearcutting on the benthic macroinvertebrates in a forest stream in the southern coastal plain. Thesis (M.S.), Stephen F. Austin State University, Nacogdoches, TX. 150 p.
683. West, D.C., F.G. Goff, and W.C. Johnson.
1976. Forest population structure in the southeastern United States. Environmental Sciences Division Publication 688. EDFB/IBP-75/14. Oak Ridge National Laboratory, Oak Ridge, TN. 118 p.
684. White, L.D.
1975. Intensive forest management effects on understory plant production. *In* Forest soils of the southwestern coastal plains. Forest Soils Short Course, 6-10 May 1974, Gainesville, FL. Pritchett, W.L., and D.R. Crowe, eds. University of Florida, School of Forest Resources and Conservation Resource Report No. 2. University of Florida, Gainesville, FL. p. 138-152.
685. White, L.D.
1977. Forest management impact on range resources. University of Florida Range Report 77-2. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. 3 p.
686. Williston, H.L.
1974. Control of animal damage to young plantations in the South. *Journal of Forestry* 72(2):78-81.
687. Wolters, G.L.
1973. Southern pine overstories influence herbage quality. *Journal of Range Management* 26(6):423-426.
688. Wolters, G.L., and R.C. Schmidting.
1975. Browse and herbage in intensively managed pine plantations. *Journal of Wildlife Management* 39(3):557-562.

689. Wolters, G.L., A. Martin, Jr., and W.P. Clary. 1977. Timber browse and herbage on selected loblolly-shortleaf pine-hardwood forest stands. USDA Forest Service Research Note SO-223. Southern Forest Experiment Station, New Orleans, LA. 9 p.
690. Zeedyk, W.D., and K.E. Evans. 1974. Silvicultural options and habitat values in deciduous forests. *In* Proceedings. Symposium on Management of Forest and Range Habitats for Nongame Birds, 6-9 May 1975, Tucson, AZ. USDA Forest Service General Technical Report WO-1. U.S. Department of Agriculture, Forest Service, Washington, DC. p. 115-127.

RECREATION

Rangeland use for recreational purposes, including camping, picnicking, hiking, hunting, and bird-watching.

691. Beardsley, W.G., R.B. Herrington, and J.A. Wagar. 1974. How to rehabilitate a heavily used campground without stopping visitor use. *Journal of Forestry* 72(5):279-281.
692. Berger, M.E. 1973. Recreation potential of Texas rangelands. *Journal of Range Management* 26(2):92-93.
693. Berger, M.E., and I.W. Schmedemann. 1974. Commercial recreation on private lands—some basic considerations. *Texas Agricultural Experiment Station Bulletin* 510. 29 p.
694. Briere, D. 1979. The stratification of forested landscapes for intensive management: development and application. Thesis (Ph.D.), University of British Columbia, Canada.
695. Harris, L.D., and W.H. Smith. 1978. Relations of forest practices to non-timber values and adjacent ecosystems. IMPAC Report 3(5). University of Florida, Gainesville, FL. 39 p.
696. Hendee, J.C., and C.A. Schoenfeld. 1978. Wilderness management for wildlife: philosophy, objectives, guidelines. *In* Transactions. 43rd North American Wildlife and Natural Resources Conference, 18-22 Mar 1978, Phoenix, AZ. Wildlife Management Institute, Washington, DC. p. 331-343.
697. Schell, K.F. 1975. Recreation on large forest ownerships in Tennessee: opportunities and potential. *Tennessee Agricultural Experiment Station Bulletin* 545. University of Tennessee, Knoxville, TN. 20 p.

WATER AND SOIL

Watershed management and related soil and water activities.

698. Anonymous. 1976. Replenishing underground water supplies on the farm. U.S. Department of Agriculture Leaflet 452. U.S. Department of Agriculture, Washington, DC. 8 p.
699. Chisholm, T.S. 1977. Runoff from a pastured watershed in Louisiana. *Louisiana Agricultural Experiment Station Bulletin* 699. Louisiana State University, Baton Rouge, LA. 14 p.
700. Diaz-Colon, J.D., and R.W. Bovey. 1973. Pesticides in water: a list of selected references. Texas Agricultural Experiment Station Miscellaneous Publication 1099. Texas A&M University, College Station, TX. 53 p.
701. Dixon, C. 1978. A proposed timber management policy to protect coldwater watersheds in the southern Appalachians. *In* Proceedings. Southeastern Trout Resource: Ecology and Management Symposium, 24-25 Oct 1975, Virginia Polytechnic Institute and State University, Donaldson Brown Center for Continuing Education, Blacksburg, VA 24061. U.S. Department of Agriculture, Forest Service, Southeastern Forest Experiment Station, Asheville, NC. 145 p.
702. Douglass, J.E. 1977. State of the art in managing water resources on forest land. *In* Proceedings. Western North Carolina Research-Resources Management Conference, 14-16 Sep 1977, Asheville, NC. Southeastern Forest Experiment Station, Asheville, NC. p. 56-60.
703. Gatewood, S.E., and P.B. Bedient. 1975. Drainage density report on the tributary basins of Lake Okeechobee. Florida Department of Administration, Division of State Planning, Tallahassee, FL. 17 p.
704. Gifford, G.F., and R.H. Hawkins. 1976. Grazing systems and watershed management: a look at the record. *Journal of Soil and Water Conservation* 31(6):281-283.
705. Henderson, G.S. 1978. Nutrient inputs, outputs and factors affecting water quality of Walker Branch Watershed, Oak Ridge, Tennessee. IMPAC Report 3(7). University of Florida, Gainesville, FL. 26 p.
706. Klock, G.O., and J.D. Helvey. 1976. Soil-water trends following wildfire on the Entiat Experimental Forest. *In* Proceedings. 15th Tall Timbers Fire Ecology Conference, 16-17 Oct 1974, Portland, OR. Tall Timbers Research Station, Tallahassee, FL. p. 193-200.

707. Nixon, W.W., J.M. Redfern, A.M. Witte, and N.C. Williams.
1973. Water quality and water quantity control in Arkansas as of August, 1971: a legal overview. Arkansas Agricultural Experiment Station Bulletin 782. University of Arkansas, Fayetteville, AR. 51 p.
708. Richardson, C.W.
1978. Generation of daily precipitation over an area. Water Resources Bulletin 14(5):1035-1047.
709. Southern Extension Services, Soil Test Work Group.
1974. Procedures used by state soil testing laboratories in the southern region of the United States. Southern Cooperative Series Bulletin 190. Southern Regional Association of State Agricultural Experiment Stations, Alabama Agricultural Experiment Station, Auburn, AL. 23 p.
710. Turner, R.R., R.C. Harriss, T.M. Burton, and E.A. Laws.
1975. The effect of urban land use on nutrient and suspended-solids exported from north Florida watersheds. In [Proceedings]. Mineral Cycling in Southeastern Ecosystems, 1-3 May 1974, Augusta, GA. Howell, F.G., J.B. Gentry, and M.H. Smith, eds. ERDA Symposium Series 36. CONF-740513. Energy Research and Development Administration, Technical Information Center, Oak Ridge, TN. p. 868-887.
711. Whitley, J.R., and R.S. Campbell.
1973. Some aspects of water quality and biology of the Missouri River. Transactions. Missouri Academy of Science, 7/8. Missouri Academy of Science, Washington, DC. p. 60-72.
712. Winters, D.
1976. Hydrologic-nutrient cycle relations in the Missouri Ozarks. Thesis (M.S.), University of Missouri-Columbia, Columbia, MO. 109 p.
- FIRE**
- Forest and range fires; prescribed burning, general effects of fire on vegetation and habitat. See also Plant Control.*
713. Allen, L.J., L.H. Harbers, R.R. Schalles, C.E. Owensby, and E.F. Smith.
1976. Range burning and fertilizing related to nutritive value of bluestem grass. Journal of Range Management 29(4):306-308.
714. Anderson, H.W.
1976. Fire effects on water supply, floods, and sedimentation. In Proceedings. 15th Tall Timbers Fire Ecology Conference, 16-17 Oct 1974, Portland, OR. Tall Timbers Research Station, Tallahassee, FL. p. 249-260.
715. Barden, L.S., and F.W. Woods.
1974. Characteristics of lightning fires in southern Appalachian forests. In Proceedings. 13th Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 345-361.
716. Barden, L.S., and F.W. Woods.
1976. Effects of fire on pine and pine-hardwood forests in the southern Appalachians. Forest Science 22(4):399-403.
717. Chen, M.Y., E.J. Hodgkins, and W.J. Watson.
1975. Prescribed burning for improving pine production and wildlife habitat in the hilly coastal plain of Alabama. Alabama Agricultural Experiment Station Bulletin 473. Auburn University, Auburn, AL. 19 p.
718. Chen, M.Y., E.J. Hodgkins, and W.J. Watson.
1977. Alternative fire and herbicide systems for managing understory in a southern pine forest. Alabama Agricultural Experiment Station Circular 236. Auburn University, Auburn, AL. 19 p.
719. Cooper, R.W.
1974. Status of prescribed burning and air quality in the South. In Proceedings. 13th Annual Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 309-315.
720. DeSelm, H.R., E.E.C. Clebsch, G.M. Nichols, and E. Thor.
1974. Response of herbs, shrubs, and tree sprouts in prescribed-burn hardwoods in Tennessee. In Proceedings. 13th Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 331-344.
721. Doolittle, M.L., F. Eller, and R.S. Jackson.
1976. Strategies for reducing incendiary fire occurrence in the South. Southeastern Area S.& P.F. - Pamphlet 3. U.S. Department of Agriculture, Forest Service, Southeastern Area, State and Private Forestry, Atlanta, GA. 10 p.
722. Fahnestock, G.R.
1973. Use of fire in managing forest vegetation. Transactions of the American Society of Agricultural Engineers 16(3):410-413, 419.
723. Grelen, H.E.
1975. Vegetative response to twelve years of seasonal burning on a Louisiana longleaf pine site. USDA Forest Service Research Note SO-192. Southern Forest Experiment Station, New Orleans, LA. 4 p.
724. Grelen, H.E.
1976. Responses of herbage, pines, and hardwoods to early and delayed burning in a young slash pine plantation. Journal of Range Management 29(4):301-303.
725. Grelen, H.E.
1978. May burns stimulate growth on longleaf pine seedlings. USDA Forest Service Research Note SO-234. Southern Forest Experiment Station, New Orleans, LA. 5 p.

726. Grelen, H.E.
1978. Winter and spring prescribed fires on Louisiana pine-bluestem range. *In* Proceedings. 1st International Rangeland Congress, 14-18 Aug 1978, Denver, CO. Hyder, D.N., ed. Society for Range Management, Denver, CO. 742 p.
727. Grelen, H.E., and H.G. Enghardt.
1973. Burning and thinning maintain forage in a longleaf pine plantation. *Journal of Forestry* 71(7):419-420, 425.
728. Grelen, H.E., and L.B. Whitaker.
1973. Prescribed burning rotations on pine-bluestem range. *Journal of Range Management* 26(2):152-153.
729. Harshbarger, T.J., C.J. Perkins, and R.E. Martin.
1975. Legume response unrelated to fuel moisture at time of burning. *Journal of Range Management* 28(1):70-71.
730. Kayll, A.J.
1974. Use of fire in land management. *In* Fire and ecosystems. Kozlowski, T.T., and C.E. Ahlgren, eds. Academic Press, New York. p. 483-511.
731. Kirk, W.G., G.K. Davis, F.G. Martin, E.M. Hodges, and J.F. Easley.
1974. Effect of burning and mowing on composition of pineland threawn. *Journal of Range Management* 27(6):420-424.
732. Klukas, R.W.
1973. Control burn activities in Everglades National Park. *In* Proceedings. 12th Tall Timbers Fire Ecology Conference, 8-9 Jun 1972, Lubbock, TX. Tall Timbers Research Station, Tallahassee, FL. p. 397-425.
733. Komarek, E.V.
1974. Further remarks on controlled burning and air pollution. *In* Proceedings. 13th Annual Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 279-282.
734. Lewis, C.E., and T.J. Harshbarger.
1976. Shrub and herbaceous vegetation after 20 years of prescribed burning in the South Carolina Coastal Plain. *Journal of Range Management* 29(1):13-18.
735. Lewis, W.M.
1974. Effects of fire on nutrient movement in a South Carolina pine forest. *Ecology* 55(5):1120-1127.
736. Lewis, W.M.
1975. Effects of forest fires on atmospheric loads of soluble nutrients. *In* [Proceedings]. Mineral Cycling in Southeastern Ecosystems, 1-3 May 1974, Augusta, GA. Howell, F.G., J.B. Gentry, and M.H. Smith, eds. ERDA Symposium Series 36. CONF-740513. Energy Research and Development Administration, Technical Information Center, Oak Ridge, TN. p. 833-846.
737. Lyon, L.J., H.S. Crawford, E. Czuhai, R.L. Fredricksen, R.F. Harlow, L.J. Metz, and H.A. Pearson.
1978. Effects of fire on fauna: a state-of-knowledge review. National Fire Effects Workshop, 10-14 Apr 1978, Denver, CO. USDA Forest Service General Technical Report WO-6. 41 p.
738. Maple, W.R.
1977. Spring burn aids longleaf pine seedling height growth. USDA Forest Service Research Note SO-228. Southern Forest Experiment Station, New Orleans, LA. 2 p.
739. Moak, J.E.
1976. Fire prevention, does it pay? *Journal of Forestry* 70(9):612-614.
740. Mobley, H.E.
1974. Fire—its impact on the environment. *Journal of Forestry* 72(7):414-417.
741. Mobley, H.E., R.S. Jackson, W.E. Balmer, W.E. Ruziska, and W.A. Hough.
1977. A guide for prescribed fire in southern forests (revised). U.S. Department of Agriculture, Southeastern Area, Atlanta, GA. 40 p.
742. Mobley, H.E., and E. Kerr.
1973. Wildfire versus prescribed fire in the southern environment. U.S. Department of Agriculture, Forest Service, Southeastern Area, State and Private Forestry, Atlanta, GA. 6 p.
743. Mobley, H.E.
1977. Managing smoke when conducting prescribed burning operations. *Forest Farmer* 36(8):6-7, 17.
744. Odum, E.P., S.E. Pomeroy, J.C. Dickinson, III, and K. Hutcheson.
1974. The effects of late winter litter burn on the composition, productivity, and diversity of a 4-year-old fallow-field in Georgia. *In* Proceedings. 13th Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 399-427.
745. Peet, M., R. Anderson, and M.S. Adams.
1975. Effect of fire on big bluestem production. *American Midland Naturalist* 94(1):15-26.
746. Pharo, J.A.
1976. Aid for maintaining air quality during prescribed burns in the South. USDA Forest Service Research Note SE-152. Southeastern Forest Experiment Station, Asheville, NC. 11 p.
747. Pharo, J.A., and C.A. Hauck.
1975. Smoke dispersion model for prescribed burning. USDA Forest Service Research Note SE-220. Southeastern Forest Experiment Station, Asheville, NC. 8 p.
748. Pierovich, J.M.
1977. Facing up to smoke management. *Southern Lumberman* 234(2899):8-9.
749. Probasco, G.E., and A.J. Bjugstad.
1977. Tall fescue response to fire. USDA Forest Service Research Note NC-218. North

Central Forest Experiment Station, St. Paul, MN. 3 p.

750. Reeves, H.C.
1977. Use of prescribed fire in land management. *Journal of Soil and Water Conservation* 32(2):102-104.
751. Reeves, H.C., and L.K. Halls.
1974. Understory response to burning in forests of southeastern Louisiana. *Consultant* 19(3):73-77.
752. Sackett, S.S.
1975. Scheduling prescribed burns for hazard reduction in the southeast. *Journal of Forestry* 73(3):143-147.
753. Thor, E., and G.M. Nichols.
1974. Some effects of fires on litter, soil and hardwood regeneration. *In Proceedings. 13th Annual Tall Timbers Fire Ecology Conference, 22-23 Mar 1973, Tallahassee, FL. Tall Timbers Research Station, Tallahassee, FL. p. 317-329.*
754. Vogl, R.J.
1973. Fire in the southeastern grasslands. *In Proceedings. 12th Tall Timbers Fire Ecology Conference, 8-9 Jun 1972, Lubbock, TX. Tall Timbers Research Station, Tallahassee, FL. p. 175-191.*
755. Vogl, R.J.
1973. Effects of fire on the plants and animals of a Florida wetland. *American Midland Naturalist* 89(2):334-347.
756. Vogl, R.J.
1974. Effects of fire on grasslands. *In Fire and ecosystems. Kozlowski, T.T., and C.E. Ahlgren, eds. Academic Press, New York. p. 139-194.*
757. Vogl, R.J.
1979. Some basic principles of grassland fire management. *Environmental Management* 3(1):51-57.
758. Wade, D.D., and D.E. Ward.
1974. Prescribed use of fire in the South—a means of conserving energy. 14th Tall Timbers Fire Ecology Conference: fire and land management symposium, 8-10 Oct 1974, Missoula, MT. Tall Timbers Research Station, Tallahassee, FL. p. 549-559.
759. Wells, C.G., R.E. Campbell, L.F. DeBano, and C.E. Lewis.
1979. Effects of fire on soil—a state-of-knowledge review. Forest Service National Fire Effects Workshop, 10-14 Apr 1978, Denver, CO. USDA Forest Service General Technical Report WO-7. 34 p.

Range Resources and Economics

GENERAL

Range and livestock resources and policies. Organization and administration of southern rangeland, ranches, and livestock. Livestock associations and coordination of range and farm.

760. Anonymous.
1972. Beef forage systems. University of Kentucky, Cooperative Extension Service, Lexington, KY. 15 p.
761. Anonymous.
1975. Ryegrass-clover pasture proves economical, practical (Abstr.). *MAFES Research Highlights* 38(11):1-2,8.
762. Arthur, L.M., and W.R. Wilson.
1979. Assessing the demand for wildlife resources: a first step. *Wildlife Society Bulletin* 7(1):30-34.
763. Bateman, W.L., O.L. Walker, and R.A. Jobes.
1974. On part-time farming. *Southern Journal of Agricultural Economics* 6(2):137-142.
764. Bennett, M.
1973. Developing equitable pasture leases. *American Society of Farm Managers and Rural Appraisers Journal* 37(2):37-39.
765. Bentley, E., and E.R. Barrick.
1974. Economic analysis of a beef production innovation: dairy-beef crossbreeding. Department of Economics Research Report 26. North Carolina State University, Raleigh, NC. 47 p.
766. Blaser, R.E.
1976. Future trends in forage production and utilization. *In Proceedings. 9th Research-Industry Conference, 9-11 Feb 1976, Louisville, KY. Johnson, G., ed. American Forage and Grassland Council, Lexington, KY 40503. p. 88-100.*
767. Blaser, R.E., R.C. Hammes, Jr., J.P. Fontenot, and H.T. Bryant.
1977. Forage-animal systems for economic calf production. *In Proceedings. 13th International Grassland Congress, 18-27 May 1977, Leipzig, East Germany. [Copies distributed to attendees], p. 667-672.*
768. Brodnax, H.D., Jr., and B.R. Eddleman.
1973. Enterprise budgets for beef cattle and improved pasture alternatives in the Gulf coast area of central Florida. University of Florida Economics Report 55. University of Florida, Institute of Food and Agricultural Sciences, Gainesville, FL. 38 p.

769. Brokken, R.F.
1977. Economics of grain-roughage substitution in the beef sector. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 45-76.
770. Buck, J.
1976. Virginia agriculture: 1985 projections of agriculture production. Virginia Polytechnic Institute Research Division Bulletin 113. Virginia Polytechnic Institute and State University, Blacksburg, VA. 93 p.
771. Burgess, S.L., ed.
1974. Beef production in Georgia: resources used and operator characteristics. Research Bulletin 131. University of Georgia, College of Agriculture Experiment Stations, Athens, GA. 39 p.
772. Butler, C.P.
1974. Land use on southern beef-producing farms. Southern Cooperative Series Bulletin 186. South Carolina Agricultural Experiment Station, Clemson, SC. 50 p.
773. Butler, C.P.
1974. Present and potential beef production in the lower Piedmont. South Carolina Agricultural Experiment Station Bulletin 576. Clemson University, Clemson, SC. 29 p.
774. Campbell, R.S., and W. Keller, eds.
1973. Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. 78 p.
775. Carpenter, J.C., Jr., H.E. Harris, and J.I. Feazel.
1978. Economic implications of producing beef calves with various pasture management systems—a four-year summary. Livestock Producers' Day, 5 Jan 1978, Baton Rouge, LA. Livestock Producers' Day Report, 18th Annual. Louisiana State University, Baton Rouge, LA. p. 59-64.
776. Clonts, H.A., ed.
1975. Land use needs and policy alternatives. Proceedings. Workshop on land use, 23-25 Apr 1975, Charleston, SC. SRDC Series Publication 11. Southern Rural Development Center, Mississippi State, MS.
777. Creech, R.G.
1977. Forage research program—forage system development should result in better production of beef and milk in Mississippi. MAFES Research Highlights 40(12):2-3.
778. Cuskaden, C.M.
1973. Why Tennessee farmers produce beef cattle. Tennessee Farm and Home Science. Progress Report 87:18-19.
779. Dillard, J.G., and J.E. Waldrop.
1975. Economics of alternative uses of steep hill land in the Yazoo-Little Tallahatchie watershed of Mississippi. Mississippi Agricultural and Forestry Experiment Station Bulletin 835. Mississippi State University, Mississippi State, MS. 27 p.
780. Edwards, N.C., Jr., E.G. Morrison, and F.H. Tyner.
1978. Effect of nitrogen levels and stocking rates on profitability of winter grazing. Mississippi Agricultural and Forestry Experiment Station Bulletin 865. Mississippi State University, Mississippi State, MS. 8 p.
781. Everhart, M.E.
1975. The use of rated yields in the appraisal of natural resources. Journal of the American Society of Farm Managers and Rural Appraisers 39(2):52-60.
782. Farris, D.E., and R.A. Dietrich.
1977. Economics of alternative beef production systems and locations. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 77-99.
783. Gibson, J.A., and J.F. Timmons.
1976. Information needs and models for land use planning. American Journal of Agricultural Economics 58(5):902-908.
784. Goodwin, J.W., and J.R. Crow.
1973. Optimal locations of beef production and processing enterprises. Oklahoma Agricultural Experiment Station Bulletin 707. Oklahoma State University, Stillwater, OK. 64 p.
785. Goodwin, J.W., and J.R. Crow.
1973. The interregional structure of the American beef industry in 1975 and 1980. Oklahoma Agricultural Experiment Station Bulletin 708. Oklahoma State University, Stillwater, OK. 55 p.
786. Halbrook, W.A., A.E. Spooner, and M.L. Ray.
1973. Production, financing, and off-farm employment aspects of beef farming in Arkansas, 1969. Arkansas Agricultural Experiment Station Bulletin 785. University of Arkansas, Fayetteville, AR. 36 p.
787. Halbrook, W.A., and B. Spaulding.
1978. Beef cattle and forage budgets for western Arkansas, 1979—estimated costs and returns at specified price levels. Arkansas Agricultural Experiment Station Special Report 66. University of Arkansas, Fayetteville, AR. 64 p.
788. Hobbs, J.C.
1977. Experts predict upturn in cow-calf business. Harvestore Farmer 16(5):4-6.
789. Holmes, M.R., and D.W. Parvin.
1974. Results and implications of mixed in-

- terger programming of small farm organizations for part-time farmers in Piedmont County. Georgia Agricultural Experiment Station Research Bulletin 156. University of Georgia, Tifton, GA. 21 p.
790. Holt, J.G.
1973. Farm management considerations in the value of using crossbred beef cows. American Society of Farm Managers and Rural Appraisers Journal 37(2):11-16.
791. Howze, G.R.
1973. Survey of black forest landowners. Division of Behavioral Sciences Research Reports. Tuskegee Institute, Tuskegee, AL. 54 p.
792. Jansma, J.D.
1976. Measuring the impact of national resource investment on employment, income and economic structure. Mississippi Agricultural Experiment Station Bulletin 212. Mississippi Agricultural Experiment Station, Mississippi State, MS. 43 p.
793. Jhunjhunwala, B., and F.H. Tyner.
1973. Budgets for major crop and livestock enterprises for small farms in north and west Florida. University of Florida Economics Report 41. University of Florida, Institute of Food and Agricultural Sciences, Gainesville, FL. 54 p.
794. Justus, F.E.
1973. Analyzing financial performance on a livestock farm. American Society of Farm Managers and Rural Appraisers Journal 37(2):41-47.
795. Justus, F.E.
1973. A survey of beef production in Kentucky. Kentucky Agricultural Economic Research Report 16. University of Kentucky, Lexington, KY. 51 p.
796. Lance, G.C., G.V. Calvert, and W.A. Griffey.
1974. Alternative cow-calf stocker production systems in the Georgia Piedmont area. Journal of Range Management 27(5):344-345.
797. Lance, G.C., W.A. Griffey, and G.V. Calvert.
1973. Economic comparison of cow-calf and stocker calf production systems in the Georgia-Piedmont area. Georgia Agricultural Experiment Station Research Report 151. University of Georgia, Eatonton, GA. 30 p.
798. Lewis, C.E.
1974. Southern ranges: an introduction. *In* Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S. 9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. 33 p.
799. Lewis, C.E., H.E. Grelen, L.D. White, and C.W. Carter.
1974. Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. 33 p.
800. Little, C.O.
1976. You are in a forage state. *In* Proceedings. 9th Research-Industry Conference, 9-11 Feb 1976, Louisville, KY. Johnson, G., ed. American Forage and Grassland Council, Lexington, KY 40503. p. 45-52.
801. Long, B.F., C.L. Infanger, and L. Danielson.
1977. Land use planning and policy in the South. Southern Journal of Agricultural Economics 9(1):41-49.
802. Long, R.W.
1974. Future of rangelands in the United States. Journal of Range Management 27(4):253-255.
803. Moak, J.E.
1973. Some characteristics of private nonindustrial forest landowners in Mississippi. Mississippi Agricultural and Forestry Experiment Station Information Sheet 1214. Mississippi Agricultural and Forestry Experiment Station, Mississippi State, MS. 2 p.
804. Musser, W.N., N.R. Martin, Jr., and J.O. Wide.
1975. The beef cow-calf enterprise in the Georgia Piedmont: a case study in conspicuous production. Southern Journal of Agricultural Economics 7(1):89-94.
805. Parvin, D.W., and M.E. McCullough.
1974. Animal and feed costs for three confined beef production systems in Georgia and competing areas. Georgia Agricultural Experiment Station Research Report 194. University of Georgia, Agricultural Experiment Station, Athens, GA. 28 p.
806. Perrin, R.K., C.R. Shumway, R.W. Harvey, and J.C. Burns.
1974. Economic analysis of beef production and forage systems in the North Carolina mountains. North Carolina Agricultural Experiment Station Technical Bulletin 227. North Carolina State University, Agricultural Experiment Station, Raleigh, NC. 41 p.
807. Rice, R.W.
1977. More roughage—federal grazing. Beef Cattle Science Handbook 14. Agriservices Foundation, Clovis, CA 93612. p. 354-357.
808. Schupp, A.
1975. Wintergrazing beef cattle on Louisiana farms. Department of Agricultural Economics Research Report 490. Louisiana State University, Baton Rouge, LA. 26 p.
809. Shumway, C.R., E. Bentley, and E.R. Barrick.
1974. Economic analysis of a beef production innovation: dairy-beef crossbreeding. Research Report 26. North Carolina State University, Raleigh, NC. 47 p.
810. Smith, O., R. May, and W.A. Halbrook.
1977. Beef cattle and forage budgets for western Arkansas, 1977. Arkansas Agricultural Experiment Station Special Report 38. University of Arkansas, Fayetteville, AR. 85 p.
811. Sternitzke, H.S., and H.A. Pearson.
1975. Forest-range resources of southwest Louisiana. Journal of Range Management 28(4):264-266.

812. Terrin, R.K., C.R. Shumway, R.W. Harvey, and J.C. Burns.
1974. Economic analysis of beef production and forage systems in the northern Carolina mountains. North Carolina Agricultural Experiment Station Technical Bulletin 227. North Carolina Agricultural Experiment Station, Raleigh, NC. 41 p.
813. Warren, A.
1976. Accepting the forage challenge. *In* Proceedings. 9th Research-Industry Conference, 9-11 Feb 1976, Louisville, KY. Johnson, G., ed. American Forage and Grassland Council, Lexington, KY 40503. p. 8-12.
814. White, L.D.
1973. Native forage resources and their potential. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. Campbell, R.S., and W. Keller, eds. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 1-17.
815. White, L.D., ed.
1977. Beef crisis emphasizes value of range. Institute of Food and Agricultural Sciences Resources Report No. 4. University of Florida, Gainesville, FL. 28 p.
816. White, L.D., and C. Carter.
1977. Range resource management trends for beef cow production in Florida. *In* Mutual opportunities for forest range and wildlife management. Florida Cooperative Extension Service Resources Report 4. p. 5-11.
- (M.S.), Virginia Polytechnic Institute and State University, Blacksburg, VA. 89 p.
822. Farris, D.E., and W.C. Couvillion.
1975. Vertical coordination of beef in the south—nature of different systems. Southern Cooperative Series Bulletin 192. Texas A&M University, College Station, TX. 32 p.
823. Fielder, L.L., Jr., and A. Martinez.
1974. Weight-price relationships for calves, steers and heifers marketed through Louisiana auctions. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness D.A.E. Research Report No. 464. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness, Baton Rouge, LA. 43 p.
824. Florida Crop and Livestock Reporting Service.
1976. Florida Agricultural Statistics, Livestock Summary, 1976. Florida Crop and Livestock Reporting Service Livestock Summary. 44 p.
825. Fox, R.L., D.L. Holder, C.E. Ward, R. Eastwood, and K. Mathis.
1976. Selected marketing alternatives for Florida cattlemen. FCS Preliminary Report 15. U.S. Department of Agriculture, Farmer Cooperative Service, Washington, DC. 69 p.
826. Georgia State University.
1978. Survey of fair market fees for grazing livestock on non-federal woodlands in selected southern states. U.S. Department of Agriculture, Forest Service, Region 8, Southern Region, Atlanta, GA. 103 p.
827. Halbrook, W.A., O.C. Mason, M.L. Ray, and A.E. Spooner.
1974. Beef cattle budgets for Arkansas. Arkansas Agricultural Experiment Station Bulletin 789. University of Arkansas, Fayetteville, AR. 34 p.
828. Hannah, H.W., and D.F. Storm.
1974. Law for the veterinarian and livestock owner (3rd ed.). Interstate Printing and Publishing, Danville, IL. 262 p.
829. Hardy, W.E., Jr.
1976. The cost of money: a look at interest rates and government regulations. Alabama Agricultural Experiment Station Bulletin 482. University of Alabama, University, AL. 30 p.
830. Hoveland, C.S., and W.B. Anthony.
1977. Existing and potential systems of finishing cattle on forages or limited grain rations in the Piedmont region of the South. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 377-390.
831. Justus, F.E., and S.C. Bell.
1976. Descriptions of feasible beef and forage

MARKETING, FINANCES, AND STATISTICS

Land use surveys, cost of production, marketing of products and returns.

817. Anderson, C.L., and T.S. Hipp.
1973. Requirements and returns for 1000-cow beef herds on flatwoods soils in Florida. Florida Cooperative Extension Service Circular 385. 27 p.
818. Anderson, K.B., and O.L. Walker.
1976. Sensitivity of forage-livestock systems to the price of nitrogen. Cost and return planning. Oklahoma Current Farm Economics 49(4):6-15.
819. Davenport, D.G., R.C. Wells, and G.S. Parsons.
1974. Guidelines for buying feedstuffs. North Carolina Agricultural Extension Service Circular 579. North Carolina State University, Raleigh, NC. 94 p.
820. Everitt, J.H., A.H. Gerbermann, and J.A. Cuellar.
1977. Distinguishing saline from nonsaline rangelands with skylab imagery. Photogrammetric Engineering 43(8):1041-1047.
821. Faircloth, V.L., Jr.
1976. Costs and returns for beef cattle enterprises on southern pine timberlands. Thesis

- enterprises analyzed in economics of beef production industry in different areas of the South. Southern Cooperative Series Bulletin 213. Southern Regional Association of State Agricultural Experiment Stations, Auburn, AL 36830. 47 p.
832. Kline, R.G., and C.H. Cameron.
1975. The beef industry in the Appalachian area of Virginia. Research Division Bulletin 99. Virginia Polytechnic Institute and State University, Blacksburg, VA. 60 p.
833. Long, J.T., W.D. Taylor, and T.W. Berry.
1977. Hay harvesting costs in Texas. Texas Agricultural Extension Bulletin 1117. Texas A&M University, Agricultural Experiment Station, College Station, TX. 15 p.
834. McCurdy, D.R., and N.S. Hartman.
1974. Resource inventory method to support land use planning. Department of Forestry Publication 14. Southern Illinois University, Carbondale, IL. 43 p.
835. Miles, M.
1977. Impact of the 1976 Tax Reform Act: a real property tax planner's review. Appraisal Journal 45(4):485-498.
836. Monson, W.G., and P.R. Utey.
1977. Existing and potential systems of finishing cattle on forages or limited grain in the lower South. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 391-400.
837. Mott, G.O., and J.E. Moore.
1977. Existing and potential systems of finishing cattle on forages or limited grain rations in the tropical region of the South. *In* Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 419-443.
838. Murphy, P.A.
1976. Maximizing returns from investment in type conversion: a case study. USDA Forest Service Research Paper SO-118. Southern Forest Experiment Station, New Orleans, LA. 8 p.
839. Peacock, F.M., R.E.L. Greene, and E.M. Hodges.
1975. Forage systems as related to the economics of beef production in south central Florida. Proceedings. Soil and Crop Science Society of Florida, 34. p. 148-151.
840. Pearson, H.A.
1977. Grazing cattle on forest range: nutrition and returns. *In* Beef crisis emphasizes value of range. White, L.D., ed. Research Report No. 4. University of Florida, Gainesville, FL. p. 18-22.
841. Pearson, H.A., and L.B. Whitaker.
1973. Returns from southern forest grazing. Journal of Range Management 26(2):85-87.
842. Pierce, J.B., ed.
1975. Agricultural growth in an urban age. University of Florida, Institute of Food and Agricultural Sciences, Gainesville, FL. 230 p.
843. Schupp, A.
1974. The market for forage fed beef in Louisiana. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness D.A.E. Research Report No. 463. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness, Baton Rouge, LA. 35 p.
844. Schupp, A., T. Bidner, and J.C. Carpenter, Jr.
1975. Consumers evaluate forage-finished beef. Louisiana Agriculture 19(1):8-9.
845. Schupp, A., D.C. Huffman, T. Bidner, and J.C. Carpenter, Jr.
1978. The economic feasibility of marketing forage finished beef. Livestock Producers' Day, 5 Jan 1978, Baton Rouge, LA. Livestock Producers' Day Report, 18th Annual. Louisiana State University, Baton Rouge, LA. p. 12-18.
846. Schupp, A., and D. Smith.
1976. Consumer acceptance of forage finished beef. Southern Journal of Agricultural Economics 8(1):85-89.
847. Schupp, A., T. Bidner, W. McKnight, J.C. Carpenter, Jr., and D. Smith.
1976. Consumer acceptance of forage finished and limited grain finished beef: phase one. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness D.A.E. Research Report No. 503. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness, Baton Rouge, LA. 31 p.
848. Schupp, A., T. Bidner, W. McKnight, D. Smith, and J.C. Carpenter, Jr.
1976. Consumer acceptance and feasibility of production of forage finished and limited grain finished beef: phase two. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness D.A.E. Research Report No. 509. Louisiana Agricultural Experiment Station, Department of Agricultural Economics and Agribusiness, Baton Rouge, LA. 36 p.
849. Spooner, A.E., and M.L. Ray.
1977. Existing and potential systems of finishing cattle on forages or limited grain rations in the upper South. *In* Forage-fed beef: production

- and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Stuedemann, J.A., editor-in-chief. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. p. 363-376.
850. Stuedemann, J.A., editor-in-chief.
1977. Forage-fed beef: production and marketing alternatives in the South. Southern Regional Forage-Fed Beef Research Workshop, 20-22 Oct 1975, New Orleans, LA. Southern Cooperative Series Bulletin 220. Southern Regional Association of State Agricultural Experiment Stations, North Carolina Agricultural Experiment Station, Raleigh, NC. 476 p.
851. Westberry, G., and D.L. Gunter.
1976. The costs and returns of grazing stocker calves on annual pasture in north Florida, 1976. Economic Information Report 62. University of Florida, Gainesville, FL. 19 p.
852. Wilt, R.W., Jr., and S.C. Bell.
1977. Use of cash flow statements as a financial management tool. Alabama Agricultural Experiment Station Bulletin 487. Auburn University, Auburn, AL. 51 p.
853. Wise, J.O., and F.B. Saunders.
1977. Maximizing operator's returns on large commercial farms in beef producing areas of the South. Southern Cooperative Series Bulletin 217. Southern Regional Association of State Agricultural Experiment Stations, Georgia Agricultural Experiment Station, Athens, GA. 58 p.
857. Bethea, J.M.
1977. Facing tomorrow's tomorrow: Florida's forest resources in 2000. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. p. 1-4.
858. Boyce, S.G.
1977. Management of eastern hardwood forests for multiple benefits (DYNAST-MB). USDA Forest Service Research Paper SE-168. Southeastern Forest Experiment Station, Asheville, NC. 116 p.
859. Burton, G.W.
1973. Integrating forest trees with improved pastures. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. Campbell, R.S., and W. Keller, eds. American Society of Agronomy Special Publication 21. American Society of Agronomy, Madison, WI. p. 41-49.
860. Clary, W.P.
1979. Grazing and overstory effects on rotationally burned slash pine plantation. *Journal of Range Management* 32(4):264-266.
861. Cleaveland, E.C.
1974. Are pine plantations for the birds? *Forests and People* 24(3):12-15, 40-41.
862. Davis, E.P.
1977. Opportunities for wildlife management on forest industry land: ITT Rayonier case example. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. p. 39-42.
863. Duffy, I.T.
1973. Pines, grass, and cattle. *Progressive Farmer* 88(2):86.
864. Ebersbach, P.F.
1977. Multiple use management on the Avon Park Air Force Range. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. p. 48-50.
865. Grelen, H.E., and R.E. Lohrey.
1978. Herbage yield related to basal area and rainfall in a thinned longleaf plantation. USDA Forest Service Research Note SO-232. 4 p.
866. Harris, L.D., and O.E. Frye, Jr.
1977. Florida's wildlife and hunting resource. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. p. 51-59.

MULTIPLE USE

Interactions of two or more resource uses—timber, livestock, wildlife, recreation, or water—on range. See also Range Influences.

854. Adams, D.J.
1976. A computer model for deer-forage-timber interactions in the loblolly-shortleaf pine-hardwoods ecosystem of east Texas. Thesis (M.S.), Stephen F. Austin State University, Nacogdoches, TX. 151 p.
855. Anonymous.
1975. Forestland grazing—a guide for service foresters in the South. U.S. Department of Agriculture, Forest Service, Southeastern Area, State and Private Forestry, Atlanta, GA. 48 p.
856. Anonymous.
1977. [Proceedings]. Conference on Endangered Plants in the Southeast, 11-13 May 1976, Asheville, NC. USDA Forest Service General Technical Report SE-11. Southeastern Forest Experiment Station, Asheville, NC. 104 p.

- ida, School of Forest Resources and Conservation, Gainesville, FL. p. 12-22.
867. Heiges, D., and S. Drake.
1977. Integrated timber/wildlife management on Piedmont Refuge. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, p. 44-47.
868. Lewis, C.E.
1973. Integrating management of forest and range resources. *In* Range resources of the southeastern United States. Symposium, 1972, Miami Beach, FL. American Society of Agronomy Special Publication No. 21. American Society of Agronomy, Madison, WI. p. 69-78.
869. Lewis, C.E.
1973. Understory vegetation, wildlife, and recreation in sand pine forests. *In* Proceedings. Sand Pine Symposium, 5-7 Dec 1972, Panama City Beach, FL. USDA Forest Service General Technical Report SE-2. Southeastern Forest Experiment Station, Marianna, FL. 253 p.
870. Lewis, C.E.
1977. Principles and status of integrated management from the range viewpoint. *In* Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, p. 26-34.
871. May, J.T., J.L. Buckner, and S.J. Ursic.
1976. Multiple use in the southern coastal plains in the United States. Georgia Forest Research Council Report 35. Georgia Forest Research Council, Athens, GA. 24 p.
872. Moody, C.W.
1976. Endangered species laws and regulations—how they affect timberland owners. *Forest Farmer* 36(2):20-21.
873. Pearson, H.A., and H.S. Sternitzke.
1974. Forest-range inventory: a multiple-use survey. *Journal of Range Management* 27(5):404-407.
874. Smith, W.H., and B.F. Swindel.
1978. A research program to investigate impacts of forest management practices on multiple forest values. IMPAC Report 3(1). University of Florida, Gainesville, FL. 18 p.
875. Sternitzke, H.S.
1976. Grazing potential of Louisiana pine forest-ranges. USDA Forest Service Research Note SO-203. Southern Forest Experiment Station, New Orleans, LA. 2 p.
876. Sternitzke, H.S., and H.A. Pearson.
1974. Forest-range resource statistics for southwest Louisiana parishes. USDA Forest Service Resource Bulletin SO-50. Southern Forest Experiment Station, New Orleans, LA. 22 p.
877. Stransky, J.J.
1973. Alternatives in southern wildlife-timber management. Texas Forest Paper No. 23. Stephen F. Austin State University, Nacogdoches, TX. 4 p.
878. Thill, R.E., and G.L. Wolters.
1979. Cattle production on a southern pine-hardwood forest. *Rangelands* 1(2):60-61.
879. Veteto, G., R. Hart, and E. Davis.
1971. Browsers or grazers. *Texas Parks and Wildlife* 29(3):12-15.

Range Research

GENERAL

Methods, description and history of, and need for, range investigations in the South. See also Ecology.

880. Anderson, D.M., and M.M. Kothmann.
1977. Monitoring animal travel with digital pedometers. *Journal of Range Management* 30(4):316-317.
881. Anonymous.
1975. Rangeland resources research 1971-1974. Texas Agricultural Experiment Station Consolidated Progress Report PR-3341. Texas A&M University, College Station, TX. 70 p.
882. Anthony, R.G., and N.S. Smith.
1974. Comparison of rumen and fecal analysis to describe deer diets. *Journal of Wildlife Management* 38(3):535-540.
883. Awbrey, F.T.
1977. Locating random points in the field. *Journal of Range Management* 30(2):157-158.
884. Blackburn, W.H., R.O. Meeuwig, and C.M. Skau.
1974. A mobile infiltrometer for use on rangelands. *Journal of Range Management* 27(4):322-323.
885. Bransby, D.I., A.G. Matches, and G.F. Krause.
1977. Disk meter for rapid estimation of herbage yield in grazing trials. *Agronomy Journal* 69(3):393-396.

886. Brister, G.H., and R.C. Schultz.
1977. Probability level, accuracy and sample size in forest sampling. Georgia Forest Research Paper 89. Georgia Forest Research Council, Macon, GA. 34 p.
887. Crawford, H.S., and J.B. Whelan.
1973. Estimating food intake by observing mastications by tractable deer. *Journal of Range Management* 26(5):372-375.
888. Dietz, D.R., and H.E. Messner.
1976. Fast filter for in vitro studies. *Journal of Range Management* 29(4):349-350.
889. Donaldson, N.C., and D.J. Beck.
1973. How to prepare a range soil monolith. *Journal of Range Management* 26(6):460-462.
890. Edwards, M.B., Jr.
1976. Weight prediction for ten understory species in central Georgia. USDA Forest Service Research Note SE-235. Southeastern Forest Experiment Station, Asheville, NC. 3 p.
891. Erickson, D.L., H.K. Cordell, and A.C. Davis.
1977. Public land policy: an evaluation of decision and citizen improvement systems. *Journal of Environmental Management* 5(4):365-377.
892. Galt, H.D., and B. Theurer.
1976. Salivary nitrogen contamination in rumen fistula forage samples. *Journal of Animal Science* 42(5):1272-1279.
893. Gifford, G.F., R.H. Faust, and G.B. Coltharp.
1977. Measuring soil compaction on rangeland. *Journal of Range Management* 30(5):457-460.
894. Gwynne, M.D., and G.P. Kingaby.
1976. A grazing recorder harness for use with zebu type cattle. *Journal of Range Management* 29(3):260-262.
895. Handl, W.P., and L.R. Rittenhouse.
1975. A comparison of three methods of estimating digestibility for determining intake of grazing cattle. *Journal of Range Management* 28(5):414-416.
896. Hansen, R.M., D.G. Peden, and R.W. Rice.
1973. Discerned fragments in feces indicates diet overlap. *Journal of Range Management* 26(2):103-105.
897. Harlow, R.F.
1977. A technique for surveying deer forage in the Southeast. *Wildlife Society Bulletin* 5(4):185-191.
898. Harlow, R.F., H.S. Crawford, and D.F. Urbston.
1975. Rumen contents of white-tailed deer: comparing local with regional samples. *In Proceedings. 28th Southeastern Association of Game and Fish Commissioners Annual Conference, 17-20 Nov 1974, White Sulphur Springs, WV. Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 562-567.*
899. Justus, N.E.
1977. Forage research at the Southwest Missouri Center. *In How far with forages for meat and milk production? Proceedings. 10th Research-Industry Conference, 14-16 Feb 1977, Columbia, MO. Matches, A.G., and J.J. Marks, eds. American Forage and Grassland Council, Lexington, KY 40503. p. 159-164.*
900. Kempf, G.S.
1976. Measuring fibrous roots with a leaf area meter. *Journal of Range Management* 29(1):85-86.
901. Khan, C.M.A.
1974. New adjustable, decimal, collapsible quadrat vs three old quadrats—an evaluation. *Journal of Range Management* 27(1):71-75.
902. Mayland, H.F., and A.L. Lesperance.
1977. Mineral composition of rumen fistula samples compared to diet. *Journal of Range Management* 30(5):388-390.
903. McMurphy, W.E., and B.B. Tucker.
1973. Pasture research. *In Eastern Pasture Research Station Progress Report 1973. Research Report P-686. Oklahoma State University, Agricultural Experiment Station, Stillwater, OK. p. 8-16.*
904. Neal, D.L., P.O. Currie, and M.J. Morris.
1976. Sampling herbaceous native vegetation with an electronic capacitance instrument. *Journal of Range Management* 29(1):74-77.
905. Norris, K.H., R.F. Barnes, J.E. Moore, and J.S. Shenk.
1976. Predicting forage quality by infrared reflectance spectroscopy. *Journal of Animal Science* 43(4):889-897.
906. Oakes, J.Y.
1974. The role of research in the Ark-La-Tex forage program. *In Proceedings. 7th Research-Industry Conference, 26-27 Feb 1974, Shreveport, LA. Barksdale, W.E., ed. American Forage and Grassland Council, Lexington, KY 40503. p. 20-25.*
907. Probasco, G.E., A.J. Bjugstad, and R.W. Pierce.
1976. A supporting device for use with step-wise thermal sensors. *Journal of Range Management* 29(4):348.
908. Ray, M.L., and A.E. Spooner.
1975. What research indicates that Arkansas beef cow-calf producers can do. II. To winter animals satisfactorily when pasture and hay supplies are short. *Arkansas Agricultural Experiment Station Special Report 21. University of Arkansas, Fayetteville, AR. p. 26-27.*
909. Ruggiero, L.F., and J.B. Whelan.
1977. Chromic oxide as an indicator of total fecal output in white-tailed deer. *Journal of Range Management* 30(1):61-63.

910. Vartha, E.W., and A.G. Matches.
1977. Use of weighted-disk measure as an aid in sampling the herbage yield on tall fescue pastures grazed by cattle. *Agronomy Journal* 69(5):888-890.
911. Whalley, R.D.B., and R.W. Brown.
1973. A method for the collection and transport of native grasses from the field to the glasshouse. *Journal of Range Management* 26(5):376-377.
- MODELING**
- Conceptual and mathematical modeling, including simulation and optimization for single and multiple use of resources.*
912. Azarmnia, H.
1978. Applications of a mathematical model to the hydrology of small watersheds in upland Arkansas. Thesis (M.S.), University of Arkansas, Fayetteville, AR. 126 p.
913. Baldwin, L.B., and V.S. Campbell.
1977. Upland detention of agricultural runoff for nonpoint pollution control—cost optimization by linear programming. University of Florida Agricultural Engineering Department Paper. University of Florida, Gainesville, FL. 33 p.
914. Bartilson, S., G.A. Zepp, and T. Takayama.
1978. A user's manual for the LCRAND mathematical programming system. Food and Resources Economic Report 91. University of Florida, Gainesville, FL. 73 p.
915. Bartlett, E.T., G.R. Evans, and R.E. Bement.
1974. A serial optimization model for ranch management. *Journal of Range Management* 27(3):233-240.
916. Beasley, D.B., E.J. Monke, and L.F. Huggins.
1977. The answers model: a planning tool for watershed research. American Society of Agricultural Engineers Paper 77-2532. American Society of Agricultural Engineers, St. Joseph, MI 49085. 21 p.
917. Colorado State University, Department of Range Science.
1977. A systems approach to range livestock production. Colorado State University, Fort Collins, CO. 127 p.
918. DeAngelis, D.L.
1976. Application of stochastic models to a wildlife population. *Mathematical Biosciences* 31(3/4):227-236.
919. Dillard, J.G., E.B. Smith, and J.C. Wilson.
1976. A linear programming model and matrix generator for evaluating alternative beef-forage systems. Mississippi Agricultural and Forest Experiment Station Technical Bulletin 77. Mississippi Agricultural and Forest Experiment Station, Mississippi State, MS. 30 p.
920. Endelman, F.J., G.E.P. Box, J.R. Boyle, R.R. Hughes, D.R. Keeney, M.L. Northup, and P.G. Saffigna.
1974. The mathematical modeling of soil-water-nitrogen phenomena. 74-8. Oak Ridge National Laboratory, Oak Ridge, TN. 66 p.
921. Franklin, J.R.
1979. Simulation modeling and resource management. *Environmental Management Special Fire Issue* 3(1):2-5.
922. Golding, E.J., J.E. Moore, D.E. Franke, and O.C. Ruelke.
1976. Formulation of hay-grain diets for ruminants. I. Evaluation of multiple regression equations for prediction of bermudagrass hay quality from laboratory analyses. *Journal of Animal Science* 42(3):710-716.
923. Goldstein, R.A., J.B. Mankin, and R.J. Luxmoore.
1974. Documentation of PROSPER: a model of atmosphere-soil-plant water flow. Environmental Sciences Division Publication No. 579. 73-9. Oak Ridge National Laboratory, Oak Ridge, TN. 75 p.
924. Gutierrez, R.J.
1978. Energy analysis and computer simulations of pastures in Florida. Thesis (M.S.), University of Florida, Gainesville, FL. 187 p.
925. Halbrook, W.A.
1976. Programming models for forage-beef systems. *In* Proceedings. 32nd Southern Pasture and Forage Crop Improvement Conference, 20-22 May 1975, Texas A&M University Agricultural Research and Extension Center at Overton and Longview, TX. U.S. Department of Agriculture, Agricultural Research Service, Washington, DC. p. 95-97.
926. Hooker, P.J.
1973. A preliminary study of the economic potential for beef cattle, grain and legume-seed production in the intermediate savannahs of Guyana using a linear programming model. University of Florida Economics Report 51. University of Florida, Institute of Food and Agricultural Sciences, Gainesville, FL. 96 p.
927. Johnson, W.C.
1977. A mathematical model of forest succession and land-use for the North Carolina Piedmont. *Bulletin of the Torrey Botanical Club* 104(4):334-346.
928. Jones, R.J., and R.L. Sandland.
1974. The relation between animal gain and stocking rate. Derivation of the relation from the results of grazing trials. *Journal of Agricultural Science* 83(2):335-342.
929. Luxmoore, R.J., D.J. van Rooyen, F.D. Hole, J.B. Mankin, and R.A. Goldstein.
1976. Field water balance and simulated water

- relations of prairie and oak-hickory vegetation on deciduous forest soils. *Soil Science* 123(2):77-86.
930. Murphy, C.E., Jr., and K.R. Knoerr.
1972. Modeling the energy balance processes of natural ecosystems. EDFB-IBP 72-10. Oak Ridge National Laboratory, Oak Ridge, TN. 135 p.
931. Myers, C.A.
1977. Simulating timber and deer food potential in loblolly pine plantations. USDA Forest Service General Technical Report SO-12. Southern Forest Experiment Station, New Orleans, LA. 29 p.
932. O'Neill, R.V.
1975. Modeling in the eastern deciduous forest biome. *In* Systems analysis and simulation in ecology. Volume 3. Patten, B.C., ed. Academic Press, New York, NY. p. 49-72.
933. Oak, R.S.E.G., R.V. O'Neill, R.A. Goldstein, J.B. Mankin, H.H. Shugart, J.R. Kercher, K.R. Dixon, W. Van Winkle, and R.S. Booth.
1974. Dynamic ecosystem models: progress and challenges. *In* Ecosystem analysis and prediction. Levin, S.A., ed. SIAM Institute for Mathematics and Society, Philadelphia, PA. p. 280-296.
934. Pendse, D., and J. Younde.
1973. Interregional and interseasonal competition in the U.S. beef industry: an application of reactive programming. *Southern Journal of Agricultural Economics* 5(2):115-123.
935. Reichle, D.E.
1975. Advances in ecosystem analysis. *BioScience* 25(4):257-264.
936. Richardson, C.W.
1977. Model of stochastic structure of daily precipitation over an area. Colorado State University Hydrology Papers 91. 46 p.
937. Robinson, V.L., A.A. Montgomery, and J.S. Strange.
1978. GASPLY: a computer model for Georgia's future forest. Georgia Forest Research Council Report 36A. Georgia Forest Research Council, Athens, GA. 21 p.
938. Sanders, J.O.
1977. Application of a beef cattle production model to the evaluation of genetic selection criteria. Thesis (Ph.D.), Texas A&M University, College Station, TX, College Station, TX. 142 p.
939. Whitson, R.E., D.L. Parks, and D.B. Herd.
1976. Effects of forage quality restrictions on optimal production systems determined by linear programming. *Southern Journal of Agricultural Economics* 8(2):1-4.
940. York, D.W., B.C. Dysart, III, and L.W. Gahan.
1977. Modeling multiple-use in natural areas. II. The Santee Swamp study. *Water Resources Bulletin* 13(2):283-297.

Range Education

GENERAL

Range management opportunities and professional qualifications, training, and organizations. Glossaries, lists, and bibliographies.

941. Anonymous.
1976. Assistance available from the Soil Conservation Service (Rev.). U.S. Department of Agriculture, Agriculture Information Bulletin 345. U.S. Department of Agriculture, Soil Conservation Service, Washington, DC. 21 p.
942. Arnold, R.K.
1976. Perspectives on training needs for future resources managers. Transactions of the North American Wildlife and Natural Resources Conference, 41. Wildlife Management Institute, Washington, DC. p. 568-574.
943. Betters, D.R.
1973. Multiple use modeling: a selected annotated bibliography. Colorado State University, Fort Collins, CO. 31 p.
944. Dickson, J.G., R.N. Conner, and K.T. Adair.
1978. Guidelines for authorship of scientific articles. *Wildlife Society Bulletin* 6(4):260-261.
945. Harris, L.D.
1978. Effects of forest management practices on wildlife ecology: a list of citations. IMPAC Report 3(9). University of Florida, Gainesville, FL. 108 p.
946. Kienast, C.R., and C.J. Scifres.
1973. Survey of professional attitudes toward range science education and training. *Journal of Range Management* 26(3):161-164.
947. Meador, W.T., Jr., and M.C. Prunty.
1976. Open-range ranching in southern Florida. *Annals of the Association of American Geographers* 66(3):360-376.
948. Pearson, H.A., C.E. Lewis, G.E. Probasco, and G.L. Wolters.
1973. Selected bibliography on southern range management, 1968-1972. USDA Forest Service Technical Report SO-3. Southern Forest Experiment Station, Pineville, LA. 50 p.

949. Powell, J.
1975. Who hires them? A survey of range graduate employment. *Rangeman's Journal* 2(2):47-49.
950. Pratt, J.N.
1976. Extension education in forage. *In* Grasses and legumes in Texas: development, production and utilization. Holt, E.C., and R.D. Lewis, eds. Texas Agricultural Experiment Station Research Monograph RM-6C. Texas A&M University, Agricultural Experiment Station, College Station, TX. p. 473-478.
951. Range Term Glossary Committee, Society for Range Management.
1974. A glossary of terms used in range management. Society for Range Management, Denver, CO. 36 p.
952. Smeins, F.E., and R.B. Shaw.
1978. Natural vegetation of Texas and adjacent areas 1675-1975—a bibliography. Texas Agricultural Experiment Station Miscellaneous Publication MP-1399. Texas A&M University, College Station, TX. 36 p.
953. Stoddart, L.A., A.D. Smith, and T.W. Box.
1975. Range management. (3rd ed.). McGraw-Hill, New York. 532 p.
954. U.S. Department of Agriculture, Forest Service.
1977. 1973-1976 range, wildlife and fish habitat research publications. U.S. Department of Agriculture, Forest Service, Washington, DC. 55 p.
955. Vallentine, J.F.
1978. U.S.-Canadian Range Management, 1935-1977: a selected bibliography on ranges, pastures, wildlife, livestock, and ranching. Oryx Press, 3930 E. Camelback Rd., Phoenix, AZ. 337 p.
956. White, L.D.
1974. Major centers of range information. *In* Range resources of the South (Rev.). Georgia Agricultural Experiment Station Bulletin N.S.9. University of Georgia Coastal Plain Experiment Station, Tifton, GA. p. 27-33.

Wildlife Management

GENERAL

Wildlife on southern ranges.

957. Buckner, J.L.
1977. Wildlife management on southern industrial forest lands. Transactions of the North American Wildlife and Natural Resources Conference, 42. Wildlife Management Institute, Washington, DC. p. 465-471.
958. Byrd, N.A., and H.L. Holbrook.
1974. How to attract more wildlife. *Forest Farmer* 33(10):11.
959. Chamberlain, E.B.
1974. Rare and endangered birds of the southern national forests. U.S. Department of Agriculture, Southern Region, Atlanta, GA. 108 p.
960. Gipson, P., and J. Sealander.
1974. Dog: deer friend or foe? *Arkansas Game and Fish* 6(3):10-13.
961. Goff, F.G., R.L. Stephenson, and D. Lewis.
1975. Rare, endangered and endemic taxa and habitats of the East Tennessee Development District. Environmental Sciences Division Publication No. 684. 75-2. 32 p.
962. Holbrook, H.L.
1974. A system for wildlife habitat management on southern national forests. *Wildlife Society Bulletin* 2(3):119-123.
963. Hood, R.E., and J.M. Inglis.
1974. Behavioral responses of white-tailed deer to intensive ranching operations. *Journal of Wildlife Management* 38(3):488-498.
964. Leedy, D.L.
1976. Highway-wildlife relationships. Volume 1. A state-of-the-art report. U.S. Department of Transportation, Federal Highway Administration, Washington, DC 20590. 183 p.
965. Leedy, D.L., T.M. Franklin, and E.C. Hekimian.
1976. Highway-wildlife relationships. Volume 2. An annotated bibliography. U.S. Department of Transportation, Federal Highway Administration, Washington, DC 20590. 417 p.
966. Lowman, G.E.
1975. A survey of endangered, threatened, rare, status undetermined, peripheral, and unique mammals of the southeastern national forests and grasslands. U.S. Department of Agriculture, Forest Service, Atlanta, GA. 121 p.
967. U.S. Department of Agriculture, Forest Service.
1978. Proceedings. Southeastern trout resource: ecology and management symposium, 24-25 Oct 1975, Virginia Polytechnic Institute and State University, Blacksburg, VA. Southeastern Forest Experiment Station, Asheville, NC. 145 p.

FOOD HABITS

Wildlife food selections and nutritional requirements.
See also Forage Value and Quality.

968. Barton, W.J.
1977. Nutrient requirements of livestock and game. In Mutual opportunities for forest, range and wildlife management. 1977 Spring Symposium, 1-2 Jun 1977, Gainesville, FL. Jensen, A.S., ed. Resources Report 4. University of Florida, School of Forest Resources and Conservation, Gainesville, FL. p. 23-25.
969. Beck, D.E.
1977. Twelve-year acorn yield in southern Appalachian oaks. USDA Forest Service Research Note SE-244. Southeastern Forest Experiment Station, Asheville, NC. 8 p.
970. Blair, R.M., H.L. Short, and E.A. Epps, Jr.
1977. Seasonal nutrient yield and digestibility of deer forage from a young pine plantation. *Journal of Wildlife Management* 41(4):667-676.
971. Blymyer, M.J., and H.S. Mosby.
1977. Deer utilization of clearcuts in southwest Virginia. *Southern Journal of Applied Forestry* 1(3):10-13.
972. Causey, M.K., and J.J. Sheldon.
1974. Honeysuckle as a year-round food for white-tailed deer in southern pine plantations. *Highlights of Agricultural Research* 21(1):6.
973. Davis, F.
1973. Racks, rations, and heredity. *Louisiana Conservationist* 25(5/6):10-15.
974. Eubanks, T.R., and R.W. Dimmick.
1974. Dietary patterns of bobwhite quail on Ames plantation; implication for management. *Tennessee Agricultural Experiment Station Bulletin* 534. University of Tennessee, Knoxville, TN. 38 p.
975. Everitt, J.H., and D.L. Drawe.
1974. Spring food habits of white-tailed deer in the south Texas plains. *Journal of Range Management* 27(1):15-20.
976. Halls, L.K.
1973. Delicacy for the birds. *Louisiana Conservationist* 25(3/4):26-29.
977. Halls, L.K.
1975. Browse use by deer in an east Texas forest. In Proceedings. 28th Southeastern Association of Game and Fish Commissioners Annual Conference, 17-20 Nov 1974, White Sulphur Springs, WV. Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 557-562.
978. Halls, L.K.
1977. Southern fruit-producing woody plants used by wildlife. USDA Forest Service General Technical Report SO-16. Southern Forest Experiment Station, New Orleans, LA. 235 p.
979. Harlow, R.F.
1979. In defense of inkberry—dangers of ranking deer forage. *Wildlife Society Bulletin* 7(1):21-24.
980. Harlow, R.F., J.B. Whelan, H.S. Crawford, and J.E. Skeen.
1975. Deer foods during years of oak mast abundance and scarcity. *Journal of Wildlife Management* 39(2):330-336.
981. Harlow, R.F., P.A. Shrauder, and M.E. Seehorn.
1975. Deer browse resources of the Oconee National Forest. USDA Forest Service Research Paper SE-137. Southeastern Forest Experiment Station, Asheville, NC. 16 p.
982. Harlow, R.F., P.A. Shrauder, and M.E. Seehorn.
1975. Deer browse resources of the Chattahoochee National Forest. USDA Forest Service Research Paper SE-136. Southeastern Forest Experiment Station, Asheville, NC. 16 p.
983. Horn, P.W.
1976. Don't forget the natives. *Cattleman* 62(8):56, 58, 60, 72.
984. Hurst, G.A.
[n.d.]. Effects of controlled burning on wild turkey poultry food habits. 32nd Annual Conference Southeast Association of Fish and Wildlife Agencies, 5-8 Nov 1978, Hot Springs, VA.
985. Kalmbacher, R.S., and J.B. Washko.
1977. Time, magnitude, and quality estimates of forage consumed by deer in woodland clearings. *Agronomy Journal* 69(3):497-501.
986. Landers, J.L., T.T. Fendley, and A.S. Johnson.
1977. Feeding ecology of wood ducks in South Carolina. *Journal of Wildlife Management* 41(1):118-127.
987. Landers, J.L., and A.S. Johnson.
1976. Bobwhite quail food habits. Tall Timbers Research Station Miscellaneous Publication 4. Tall Timbers Research Station, Tallahassee, FL. 90 p.
988. Lay, D.W.
1974. Blackberries and dewberries wildlife favorites. *Texas Parks and Wildlife* 32(5):16-17.
989. McCollum, J.M., M.M. Kothmann, and L.B. Merrill.
1973. Forage preferences of white-tailed deer (Abstr.). *Journal of Animal Science* 36(6):1201-1202.
990. Probasco, G.E., and A.J. Bjugstad.
1978. Nutrition and in vitro digestibility of tall fescue for white-tailed deer, May through November. USDA Forest Service Research Note NC-228. North Central Forest Experiment Station, St. Paul, MN. 3 p.
991. Robbins, C.T., P.J. Van Soest, W.W. Mautz, and A.N. Moen.
1975. Feed analyses and digestion with reference to white-tailed deer. *Journal of Wildlife Management* 39(1):67-79.
992. Ruggiero, L.F., and J.B. Whelan.
1976. A comparison of in vitro and in vivo feed

digestibility by white-tailed deer. *Journal of Range Management* 29(1):82-83.

993. Short, H.L.
1975. Nutrition of southern deer in different seasons. *Journal of Wildlife Management* 39(2):321-329.
994. Short, H.L., R.M. Blair, and E.A. Epps, Jr.
1975. Composition and digestibility of deer browse in southern forests. USDA Forest Service Research Paper SO-111. Southern Forest Experiment Station, New Orleans, LA. 10 p.
995. Short, H.L., and E.A. Epps, Jr.
1977. Composition and digestibility of fruits and seeds from southern forests (Mimeo.). USDA Forest Service Special Report. U.S. Department of Agriculture, Forest Service, New Orleans, LA. 6 p.
996. Smith, B., and D.H. Hunter.
1978. Chemical content and digestibilities of important deer forages on a Florida flatwoods range. IMPAC Report 3(8). University of Florida, Gainesville, FL. 42 p.
997. Snider, C.C., and J.M. Asplund.
1974. In vitro digestibility of deer foods from the Missouri Ozarks. *Journal of Wildlife Management* 38(1):20-31.
998. Voth, E.H., and H.C. Black.
1973. A histologic technique for determining feeding habits of small herbivores. *Journal of Wildlife Management* 37(2):223-231.

SPECIES CHARACTERISTICS

Descriptions and activities of wildlife species.

999. Akers, D.
1977. So you appreciate quail. *Arkansas Game and Fish* 9(4/winter):5-7.
1000. Bailey, R.W.
1976. The wild turkey's management and future in North Carolina. North Carolina Wildlife Research Committee, Raleigh, NC. 17 p.
1001. Brown, R.D., R.L. Cowan, and J.F. Kavanaugh.
1978. Effect of pinealectomy on seasonal androgen titers, antler growth and feed intake in white-tailed deer. *Journal of Animal Science* 47(2):435-440.
1002. Brunett, L.
1975. Gentleman Bob down on the farm. *Louisiana Conservationist* 27(1/2):4-9.
1003. Case, R.M., and R.J. Robel.
1974. Bioenergetics of the bobwhite. *Journal of Wildlife Management* 38(4):638-652.
1004. Coggin, J., and C. Perry.
1975. The wild turkey in Virginia. Virginia Commission for Game and Inland Fish, Richmond, VA. 133 p.
1005. Dickson, J.G., and C. Segelquist.
1979. Breeding bird populations in pine and pine-hardwood forests in Texas. *Journal of Wildlife Management* 43(2):549-555.
1006. Goertz, J.W., L.V. Fitzgerald, and R.M. Nowak.
1975. The status of wild *Canis* in Louisiana. *American Midland Naturalist* 93(1):215-218.
1007. Hall, D.I., and J.D. Newsom.
1978. The coyote in Louisiana. *Louisiana Agriculture* 21(4):4-5.
1008. Hardin, J.W., N.J. Silvy, and W.D. Klimstra.
1976. Group size and composition of the Florida key deer. *Journal of Wildlife Management* 40(3):454-463.
1009. Harlow, R.F.
1972. Reproductive rates in white-tailed deer of Florida. *Quarterly Journal of the Florida Academy of Sciences* 35(4):165-170.
1010. Hooper, R.G., and P.B. Hamel.
1977. Nesting habitat of Bachman's warbler—a review. *Wilson Bulletin* 89(3):373-379.
1011. Lewis, J.C.
1973. The world of the wild turkey. J. B. Lippincott, Philadelphia. 158 p.
1012. Moore, G.C.
1975. The Louisiana deer story. Louisiana Wildlife and Fish Commission Wildlife Educational Bulletin 108. 21 p.
1013. Muller, H.D., and S.A. Vezey.
1975. Game bird production and health. Georgia Agricultural Extension Circular 688. University of Georgia, Agricultural Extension Service, Athens, GA. 15 p.
1014. Robbins, C.T., and A.N. Moen.
1975. Milk consumption and weight gain of white-tailed deer. *Journal of Wildlife Management* 39(2):355-360.
1015. Sheldon, J.J., and M.K. Causey.
1974. Deer habitat management: use of Japanese honeysuckle by white-tailed deer. *Journal of Forestry* 72(5):286-287.
1016. Wilson, M.M., and J.A. Crawford.
1979. Response of bobwhites to controlled burning in south Texas. *Wildlife Society Bulletin* 7(1):53-56.

HABITAT

Special emphasis on the environment, management, and effects on plants and plant values.

1017. Ambrose, R.E.
1975. The effect of small tract clearcutting on populations of birds and small mammals. Thesis (Ph.D.), University of Tennessee, Knoxville, TN. 311 p.
1018. Blair, R.M., and L. Brunett.
1977. Deer habitat potential of pine-hardwood forests in Louisiana. USDA Forest Service Research Paper SO-136. Southern Forest Experiment Station, New Orleans, LA. 11 p.

1019. Byrd, N.A., and H.L. Holbrook.
1974. How to improve forest game habitat. Forest Management Bulletin, State & Private Forestry. U.S. Department of Agriculture, Forest Service, Atlanta, GA. 6 p.
1020. Carter, M.C., J.W. Martin, J.E. Kennamer, and M.K. Causey.
1976. Impact of chemical and mechanical site preparation on wildlife habitat. *Industrial Vegetation Management* 8(1):5-9.
1021. Crawford, H.S., J.B. Whelan, R.F. Harlow, and J.E. Skeen.
1975. Deer range potential in selective and clearcut oak-pine stands in southwestern Virginia. USDA Forest Service Research Paper SE-134. Southeastern Forest Experiment Station, Asheville, NC. 12 p.
1022. DeGraaf, R.M., coordinator.
1978. Proceedings. Workshop—Management of Southern Forests for Nongame Birds, 24-26 Jan 1978, Atlanta, GA. USDA Forest Service General Technical Report SE-14. U.S. Department of Agriculture, Forest Service, Atlanta, GA. 176 p.
1023. Evans, K.E.
1978. Oak-pine and oak-hickory forest bird communities and management options. *In Proceedings. Workshop—Management of Southern Forests for Nongame Birds, 24-26 Jan 1978, Atlanta, GA.* U.S. Energy Research and Development Administration, Oak Ridge, TN. p. 76-89.
1024. Evans, R.D.
1974. Wildlife habitat management program. A concept of diversity for the public forests of Missouri. *In [Proceedings]. Timber Wildlife Management Symposium, 22-24 Jan 1974, University of Missouri-Columbia, Columbia, MO.* Slusher, J.P., and T.M. Hinckley, eds. Missouri Academy of Sciences Occasional Paper 3. p. 73-78.
1025. Gill, J.D., R.E. Radtke, and J.W. Thomas.
1977. Forest wildlife habitat management: ecological and management systems. *In The scientific base for silviculture and management decisions in the National Forest System: selected papers.* U.S. Department of Agriculture, Forest Service, Washington, DC. p. 53-59.
1026. Gill, J.D., J.W. Thomas, W.M. Healy, J.C. Pack, and H.R. Sanderson.
1975. Comparison of seven forest types for game in West Virginia. *Journal of Wildlife Management* 39(4):762-768.
1027. Gwaltney, J.R.
1977. Habitat preferences of the eastern wild turkey in an area under intensive even-aged timber management in Alabama. Thesis (M.S.), Auburn University, Auburn, AL. 159 p.
1028. Halls, L.K.
1973. Managing deer habitat in loblolly-shortleaf pine forest. *Journal of Forestry* 71(12):752-757.
1029. Hardin, K.I., and K.E. Evans.
1977. Cavity nesting bird habitat in the oak-hickory forest—a review. USDA Forest Service General Technical Report NC-30. North Central Forest Experiment Station, St. Paul, MN. 23 p.
1030. Harris, L.D., L.D. White, J.E. Johnston, and D.G. Milchunas.
1975. Impact of forest plantations on north Florida wildlife and habitat. *In Proceedings. 28th Southeastern Association of Game and Fish Commissioners Annual Conference, 17-20 Nov 1974, White Sulphur Springs, WV.* Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 659-667.
1031. Harris, L.D., D.H. Hirth, and W.R. Marion.
1979. The development of silvicultural systems for wildlife. IMPAC Report 4(5). University of Florida, Gainesville, FL. 24 p.
1032. Hazel, D.W., A.J. Weber, and S.T. Cherry.
1978. Deer browse production associated with the practice of site conversion in a North Carolina pocosin. *In Proceedings. 30th Southeastern Association of Fish and Wildlife Agencies Annual Conference, 24-27 Oct 1976, Jackson, MS.* Rogers, W.A., ed. Southeastern Association of Fish and Wildlife Agencies, Montgomery, AL. p. 513-524.
1033. Johnson, W.W., and H.O. Sanders.
1977. Chemical forest fire retardants: acute toxicity to five freshwater fishes and a scud. U.S. Fish and Wildlife Service Technical Paper No. 91. U.S. Department of Interior, Fish and Wildlife Service, Washington, DC. 7 p.
1034. Kessler, W.B., and J.D. Dodd.
1977. Responses of coastal prairie vegetation and Attwater prairie chickens to range management practices. *In Proceedings. 1st International Rangeland Congress, 14-18 Aug 1978, Denver, CO.* Hyder, D.N., ed. Society for Range Management, Denver, CO. p. 473-476.
1035. Moore, W.H.
1973. Managing bobwhites in the cutover pine-lands of south Florida. National Bobwhite Quail Symposium, 1972, Oklahoma State University, Stillwater, OK. Oklahoma State University, Stillwater, OK. 10 p.
1036. Murphy, P.K., and R.E. Noble.
1973. The monthly availability and use of browse plants by deer on a bottomland hardwood area in Tensas Parish, Louisiana. *In Proceedings. 26th Southeastern Association of Game and Fish Commissioners Annual Conference, 22-25 Oct 1972, Knoxville, TN.* Mitchell, A.L., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 39-57.
1037. Reese, K.P.
1976. Avian community structure of beaver pond, hardwood and pine habitats in the Piedmont region of South Carolina. Thesis (M.S.), Clemson University, Clemson, SC. 189 p.

STATISTICS

1038. Sanderson, H.R., W.M. Healy, J.C. Pack, J.D. Gill, and J.W. Thomas.
1975. Gray squirrel habitat and nest tree preference. *In* Proceedings. 29th Southeastern Association of Game and Fish Commissioners, Annual Conference, 12-15 Oct 1975, St. Louis, MO. Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 609-616.
1039. Segelquist, C.
1974. Evaluation of wildlife forage clearings for white-tailed deer habitat management in a 600-acre Arkansas Ozark enclosure. Thesis (Ph.D.), Oklahoma State University, Stillwater, OK. 185 p.
1040. Segelquist, C., and M. Rogers.
1975. Use of wildlife forage clearing by white-tailed deer in the Arkansas Ozarks. *In* Proceedings. 28th Southeastern Association of Game and Fish Commissioners Annual Conference, 17-20 Nov 1974, White Sulphur Springs, WV. Rogers, W.A., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 568-573.
1041. Seib, J.C.
1978. Species diversity, density and habitat selection of birds in even-aged loblolly pine plantations in southeastern Louisiana. Thesis (M.S.), Louisiana State University, Baton Rouge, LA. 85 p.
1042. Smith, D.R., Coordinator.
1975. Symposium on management of forest and range habitats for nongame birds. USDA Forest Service General Technical Report WO-1. U.S. Department of Agriculture, Washington, DC. 343 p.
- Wildlife inventories including methods; hunting success; animal dynamics including population changes. See also Range Research.*
1043. Anonymous.
1974. Annual harvest deer and turkey 1940-1973. *Arkansas Game and Fish* 6(3):5-6.
1044. Brown, D.E., and R.H. Smith.
1976. Predicting hunting success from call counts of mourning and white-winged doves. *Journal of Wildlife Management* 40(4):743-749.
1045. Lay, D.W., and R.E. Murry.
1978. Comments on browse inventories in Louisiana—Pearson and Sternitzke. *Journal of Wildlife Management* 42(1):169-171.
1046. Pearson, H.A., and H.S. Sternitzke.
1976. Deer browse inventories in the Louisiana coastal plain. *Journal of Wildlife Management* 40(2):326-329.
1047. Pearson, H.A., and H.S. Sternitzke.
1978. Response to comments by Daniel W. Lay and Robert E. Murry, Sr. *Journal of Wildlife Management* 42(1):171-172.
1048. Pledger, M., and J. Kaffka, eds.
[n.d.]. *Wildlife of Arkansas*. Arkansas Game and Fish Commission, Little Rock, AR. 38 p.
1049. Segelquist, C., M. Rogers, F.D. Ward, and R.G. Leonard.
1973. Forest habitat and deer populations in an Arkansas Ozark enclosure. *In* Proceedings. 26th Southeastern Association of Game and Fish Commissioners Annual Conference, 22-25 Oct 1972, Knoxville, TN. Mitchell, A.L., ed. Southeastern Association of Game and Fish Commissioners, Columbia, SC. p. 15-22.

INDEX OF AUTHORS

A

- Abrams, S.M. 229
 Absher, C. 635
 Abubakar, I. 230
 Acosta, R.A. 532
 Adair, K.T. 944
 Adams, D.J. 854
 Adams, M.S. 745
 Adams, T.E. Jr. 437, 438
 Adriano, D.C. 104
 Ahlgren, C.E. 58, 83, 84, 730, 756
 Aitken, J.B. 436
 Akerman, J.A. Jr. 460
 Akers, D. 999
 Allan, J.R. 150
 Allen, D.D. 443
 Allen, L.J. 713
 Allen, M. 338, 353, 627
 Allison, B.C. 539
 Allison, C.D. 533
 Ambrose, R.E. 1017
 American Forage and Grassland Council 282, 339
 Ames, D.R. 461
 Ammerman, C.B. 283, 583, 609
 Amos, H.E. 534
 Anderson, B. 181
 Anderson, C.L. 817
 Anderson, D.M. 880
 Anderson, H.W. 714
 Anderson, J.H. 487
 Anderson, J.M. 462
 Anderson, K.B. 231, 818
 Anderson, R. 745
 Andrade, J.M.de S. 382
 Anthony, R.G. 882
 Anthony, W.B. 172, 263, 268, 314, 315, 316, 332, 537, 562, 830
 Apple, K.L. 538
 Arkansas Forage and Grassland Council 287, 288, 289
 Armiger, W.H. 152
 Arnold, R.K. 942
 Arthur, L.M. 762
 Asay, K.H. 112, 610
 Ashford, B.K. 539
 Ashley, D.A. 203, 227
 Asplund, J.M. 997
 Aulabaugh, B.J. 201
 Ausmus, B.S. 85
 Awbrey, F.T. 883
 Azarmnia, H. 912
- B**
- Babcock, D. 498
 Bacon, J.A. 541
 Bagnall, L.O. 21
 Bailey, R.L. 673
 Bailey, R.W. 110, 1000
- Baker, F.S. Jr. 463
 Baker, R. 456
 Baldwin, F.L. 386
 Baldwin, L.B. 121, 913
 Balk, W.A. 232
 Ball, M.J. 661, 662
 Balmer, W.E. 741
 Bamble, J.F. 97
 Bannon, J.S. 269
 Barber, W.D. 202
 Barden, L.S. 715, 716
 Barker, J.A. 20
 Barker, R.W. 615
 Barksdale, W.E. 331, 906
 Barnes, G. 633
 Barnes, R.F. 2, 180, 905
 Barrick, E.R. 295, 539, 765, 809
 Barrons, K.C. 387
 Barth, K.M. 237, 244, 320
 Bartilson, S. 914
 Bartleson, J.L. 296
 Bartlett, E.T. 915
 Bartley, T.R. 388
 Barton, W.J. 968
 Bateman, W.L. 763
 Bauman, T.T. 433
 Baur, J.R. 389, 390, 393, 406
 Bay, D.E. 616
 Bay, R.R. 153
 Beacom, S.E. 540
 Beardsley, D.W. 463, 495, 588
 Beardsley, W.G. 691
 Beasley, D.B. 916
 Beasom, S.L. 432
 Beaty, E.R. 133, 158, 159, 160, 161, 165, 166, 192, 203, 204, 227, 233, 240, 255, 281, 290, 299, 301, 340, 354, 368, 444
 Beck, D.E. 969
 Beck, D.J. 889
 Bedient, P.B. 703
 Bell, C.R. 15
 Bell, H.M. 134
 Bell, M.C. 541
 Bell, S. 452
 Bell, S.C. 172, 831, 852
 Bement, R.E. 915
 Bennett, M. 764
 Bennett, O.L. 102, 152
 Bentley, E. 765, 809
 Berg, C.C. 102
 Berger, M.E. 692, 693
 Bernier, B. 71
 Berry, C.D. 343
 Berry, T.W. 833
 Bertrand, J.E. 205, 463, 542
 Bethea, J.M. 857
 Betters, D.R. 943
 Beverly, J.R. 489
 Bickel, J.R. 18
 Bidner, T. 496, 844, 845, 847, 848
 Bin Idris, I. 317
 Binns, W. 38
 Bird, J.V. 300
 Bjerregaard, R.S. 391
- Bjugstad, A.J. 749, 907, 990
 Black, H.C. 998
 Blackburn, W.H. 884
 Blair, R.M. 29, 30, 69, 655, 656, 970, 994, 1018
 Blakewood, B.W. 637
 Blaser, R.E. 234, 294, 445, 766, 767
 Blood, D.C. 617
 Blount, M.C. 652
 Blue, W.G. 323, 355
 Blumer, T.N. 539
 Blymyer, M.J. 971
 Bogdan, A.V. 291
 Boggs, D. 543
 Boleman, L.L. 544
 Boling, J.A. 292, 311, 466, 550
 Bond, J. 545
 Bonner, F.T. 19
 Booth, R.S. 933
 Booyesen, P.de V. 206
 Boseck, J.K. 308, 309, 315
 Boston, A.C. 471, 490, 491, 499, 500
 Boulware, R.F. 464
 Bovey, R.W. 389, 390, 392, 393, 394, 395, 396, 397, 398, 406, 416, 700
 Box, G.E.P. 920
 Box, T.W. 465, 953
 Boyce, K.G. 113
 Boyce, S.G. 663, 664, 665, 858
 Boyd, F.T. 207, 215
 Boyer, B.D. 333, 593
 Boyle, J.R. 920
 Bracy, R. 498
 Bradley, N.W. 292, 311, 466, 550
 Brady, H.A. 399, 400
 Brann, D.E. 293
 Bransby, D.I. 885
 Briere, D. 694
 Brisbrin, I.L. Jr. 104
 Brister, G.H. 886
 Brodnax, H.D. Jr. 768
 Brokken, R.F. 769
 Brolmann, J.B. 178
 Brooks, O.L. 161
 Brown, A.D. 114
 Brown, C.A. 4
 Brown, C.J. 33, 492
 Brown, D.E. 1044
 Brown, J.R. 356, 618
 Brown, R.D. 1001
 Brown, R.H. 203
 Brown, R.W. 95, 911
 Brown, V.L. 172, 562
 Brown, W.E. 162, 236
 Bruce, R.R. 171
 Brunett, L. 69, 1002, 1018
 Brupbacher, R.H. 70, 353, 364
 Bryant, H.T. 234, 294, 445, 767
 Buck, J. 770
 Buck, W.B. 619
 Buckner, J.L. 20, 871, 957
- Buckner, R.C. 115, 208, 258, 620
 Burandt, C.L. Jr. 90
 Burgess, H.E. 267, 313
 Burgess, S.L. 467, 771
 Burkhart, H.E. 666
 Burns, J.C. 235, 295, 806, 812
 Burns, W.C. 503, 583
 Burriss, W.R. 236
 Burrus, P.B. II 115
 Burson, B.L. 209
 Burton, G.K. 453
 Burton, G.W. 116, 210, 213, 228, 327, 447, 859
 Burton, T.M. 710
 Bush, L. 115, 208, 258, 620
 Butler, C.P. 772, 773
 Butler, G.W. 110
 Butler, J.L. 327, 447
 Butterbaugh, J.W. 567
 Butts, W.T. Jr. 579
 Byars, J. 362
 Byrd, B.C. 401
 Byrd, N.A. 122, 135, 958, 1019
- C**
- Call, J.W. 39, 40
 Callahan, L.M. 667
 Calvert, G.V. 796, 797
 Cameron, C.H. 832
 Campbell, R.E. 759
 Campbell, R.S. 117, 120, 123, 128, 136, 256, 711, 774, 814, 859
 Campbell, T.E. 668
 Campbell, V.S. 913
 Canto, A.C. 539
 Carden, E.L. 174, 315
 Carpenter, J.C. Jr. 163, 775, 844, 845, 847, 848
 Carpenter, J.W. 521, 525, 588
 Carroll, D.L. 91
 Carter, C. 74, 123, 124, 132, 136, 816
 Carter, C.W. 799
 Carter, M.C. 1020
 Cartwright, T.C. 493
 Case, R.M. 1003
 Cato, L.F. 468
 Causey, M.K. 972, 1015, 1020
 Chamberlain, E.B. 959
 Chamblee, D.S. 260
 Chapman, H.D. 336
 Chapman, H.L. Jr. 312, 342, 463, 546, 547
 Chen, M.Y. 52, 717, 718
 Cherry, S.T. 1032
 Chester, E.W. 5
 Chilcote, D.O. 113
 Chisholm, T.S. 699
 Christensen, C. 646
 Christensen, N.L. 657
 Ciordia, H. 371, 621, 622
 Clarke, S.D. 548

- Clary, W.P. 469, 689, 860
Cleaveland, E.C. 861
Clebsch, E.E.C. 720
Clonts, H.A. 776
Coats, R.E. 42, 44
Coggin, J. 1004
Colby, R.W. 623
Cole, D.F. 113
Cole, J.E. 424
Coleman, S.W. 237, 320
Collins, S.E. 475
Colorado State University,
Department of Range Sci-
ence 917
Coltharp, G.B. 893
Conard, E.C. 96
Conner, R.N. 944
Constatin, M.J. 244
Cook, C.W. 628
Cook, M.K. 549
Coombs, D.F. 28, 238, 253,
296
Cooper, R.W. 719
Cope, G.E. 297
Cope, W.A. 260, 295
Cordell, H.K. 891
Cornell, C.N. 304
Correa, J. 209
Corrick, J.A. Jr. 579
Cosner, F.A. 357
Cost, N.D. 665
Couvillion, W.C. 236, 822
Cowan, R.L. 1001
Cozart, J.R. 23, 538
Crawford, H.S. 71, 75, 737,
887, 898, 980, 1021
Crawford, J.A. 1016
Creech, R.G. 777
Crockett, J.R. 470, 494, 495,
505, 518, 521, 522, 523, 525,
587
Cross, D.L. 550, 551
Crouch, E.K. 298
Crow, J.R. 784, 785
Crowe, D.R. 684
Cuellar, J.A. 820
Cummins, D.G. 170
Cunha, T.J. 463, 507
Currey, W. 41, 418
Currie, P.O. 904
Cuskaden, C.M. 778
Cypert, E. 53
Czuhai, E. 737
- D**
- Daniels, L.B. 568
Danielson, L. 801
Davenport, D.G. 819
Davis, A.C. 891
Davis, E. 879
Davis, E.P. 862
Davis, F. 973
Davis, G.K. 731
Davis, G.V. 239, 249, 552
Davis, W.L. 471
Dawson, R.N. 197
De Santo, R.S. 76
Dean, B.E. 6
Dean, R.A. 573
- DeAngelis, D.L. 918
DeBano, L.F. 759
DeGraaf, R.M. 1022
Delmas, R. 566
DeRouen, T.M. 318, 496, 553
DeSelm, H.R. 720
Deterling, D. 164
Diaz-Colon, J.D. 395, 396,
397, 398, 700
Dickinson, J.C. III 744
Dickson, W.C. 15
Dickson, J.G. 944, 1005
Dietrich, R.A. 782
Dietz, D.R. 888
Dietz, H.E. 125
Dillard, J.G. 779, 919
Dimmick, R.W. 974
Dinger, B.E. 77
Dinius, D.A. 584
Dixon, C. 701
Dixon, K.E. 21
Dixon, K.R. 933
Dobbins, C.N. Jr. 624, 625
Dobson, J.W. 158, 165, 166,
299, 652
Dobson, S.H. 300
Dodd, J.D. 137, 138, 1034
Dodson, G.J. 118
Doll, E.C. 167
Donaldson, N.C. 889
Doolittle, M.L. 721
Doss, B.D. 358
Douglass, J.E. 91, 702
Dow Chemical Company 402
Drache, H. 554
Drake, S. 867
Drawe, D.L. 975
Dudeck, A.E. 216
Duffy, I.T. 863
Dunavin, L.S. 205, 215
Duncan, W.H. 7
Duren, E. 626
Durham, A.J. 139, 555
Durham, G.P. 403
DuToit, P.F. 439
Duvall, V.L. 54
Dyer, I.A. 548
Dysart, B.C. III 940
- E**
- Easley, J.F. 731
Eason, J.T. 267
Eastwood, R. 825
Ebersbach, P.F. 864
Eddleman, B.R. 768
Edwards, J.H. 160, 240
Edwards, M.B. Jr. 890
Edwards, M.G. 669
Edwards, N.C. Jr. 648, 780
Edwards, R.L. 232
Ehmke, V. 556, 557
Eichhorn, M.M. Jr. 359
Eisele, G.R. 558
Elkins, C.B. 313
Eller, F. 721
Emal, J.G. 96
Emanuel, D.M. 278
Endelman, F.J. 920
Engel, J.L. 133, 159
Enghardt, H.G. 655, 727
- Epps, E.A. Jr. 29, 31, 627,
970, 994, 995
Erhart, A.B. 552
Erickson, D.L. 891
Ernst, J.V. 371, 622
Essig, H.W. 511, 648
Ethredge, J. 301
Eubanks, T.R. 974
Evans, E.M. 172
Evans, G.R. 915
Evans, J. 534
Evans, J.K. 242
Evans, K.E. 16, 690, 1023,
1029
Evans, R.D. 1024
Everhart, M.E. 781
Everitt, J.H. 820, 975
Evers, G.W. 261, 262, 341
Ewel, K.C. 97, 104
Ezell, D.O. 436
- F**
- Fahnestock, G.R. 722
Faircloth, V.L. Jr. 821
Farley, M. 356
Farnell, D.R. 42, 44
Farris, D.E. 782, 822
Farris, J.W. 493
Faust, R.H. 893
Fears, R.D. 404
Feazel, J.I. 775
Feduccia, D.P. 656
Felts, B.L. 446
Fendley, T.T. 986
Ferguson, E.R. 405, 412, 413
Fielder, L.L. Jr. 823
Fields, D. 81
Fisher, C.D. 166, 299
Fisher, C.E. 424
Fitzgerald, L.V. 1006
Fitzhugh, H.A. Jr. 493
Flatt, W.P. 597
Florida Crop and Livestock
Reporting Service 824
Flynt, T.O. 393, 406
Fontenot, J.P. 234, 294, 445,
767
Foote, L.E. 7
Fowler, S.H. 458
Fox, D.G. 472
Fox, R.L. 825
Franke, D.E. 473, 497, 521,
571, 608, 922
Franklin, J.R. 921
Franklin, T.M. 965
Frederick, D.M. 404
Fredricksen, R.L. 737
Freeman, J.D. 43
Fribourg, H.A. 168, 169, 224,
365, 667
Frye, O.E. Jr. 866
Fryrear, D.W. 428
Futrell, M.C. 42, 44
- G**
- Gahan, L.W. 940
Gallaher, R.N. 170, 171
Gallop, R.M. 154
- Galt, H.D. 892
Gamble, J.F. 104
Gammon, N. 323
Gardner, F.P. 161
Garner, C.R. 302, 303
Garner, G.B. 304, 654
Gascho, G.J. 178
Gaskins, M.H. 211
Gatewood, S.E. 87, 703
Gay, N. 292
Gentry, J.B. 85, 97, 98, 100,
710, 736
George, J.F. 357, 457
Georgia State University 826
Gerbermann, A.H. 820
Gerhardt, R.R. 628
Gibson, J.A. 783
Gibson, P.B. 218
Gifford, G.F. 704, 893
Gill, D.R. 538
Gill, J.D. 1025, 1026, 1038
Gilliam, H.C. 474
Gipson, P. 960
Glaze, F.T. 316
Glick, J.I. 629
Goering, H.K. 584
Goertz, J.W. 1006
Goff, F.G. 81, 683, 961
Golding, E.J. 922
Goldstein, R.A. 118, 923, 929,
933
Goode, L. 235
Goodwin, J.W. 784, 785
Goplen, B.P. 212
Gould, F.W. 8
Gratkowski, H. 407
Green, J.T. Jr. 305
Greene, R.E.L. 323, 342, 506,
588, 839
Grelen, H.E. 4, 9, 10, 45, 50,
78, 79, 126, 469, 559, 723,
724, 725, 726, 727, 728, 799,
865
Griffey, W.A. 267, 313, 796,
797
Grimes, H.W. 267, 516
Groff, J.L. 527
Gross, C.F. 102
Gross, H.D. 235
Grunes, D.L. 306, 630
Gumaa, A.N. 22
Gunter, D.L. 851
Guthery, F.S. 631
Gutierrez, R.J. 924
Gwaltney, J.R. 1027
Gwynne, M.D. 894
- H**
- Haagsma, T. 408
Haaland, R.L. 313
Habetz, R. 324
Haines, B. 98
Hair, J.A. 643
Halbrook, W.A. 302, 303, 786,
787, 810, 827, 925
Hale, J.N. 35
Hall, D.I. 1007
Hall, O. 409
Halls, L.K. 14, 35, 99, 658,
751, 976, 977, 978, 1028

- Hamel, P.B. 1010
Hamilton, D.A. 16
Hamilton, H. 38
Hammes, R.C. Jr. 234, 294, 445, 767
Hammond, R.W. 23, 131
Handl, W.P. 895
Hanna, W.W. 213, 307
Hannah, H.W. 828
Hannaway, D.B. 241, 360
Hansard, S.L. 560, 561, 638, 641
Hansen, R.M. 896
Harbers, L.H. 713
Hardin, J.W. 46, 1008
Hardin, K.I. 1029
Hardy, W.E. Jr. 829
Harlow, R.F. 55, 737, 897, 898, 979, 980, 981, 982, 1009, 1021
Harms, W.R. 670
Harpel, R.A. 496, 553
Harrell, A.T. 338, 353
Harrington, J.D. 183
Harris, H.D. 364
Harris, H.E. 775
Harris, L.D. 695, 866, 945, 1030, 1031
Harris, R.R. 172, 308, 309, 562
Harris, W.F. 77, 85, 671
Harriss, R.C. 710
Harshbarger, T.J. 729, 734
Hart, R. 879
Hart, R.H. 101, 107, 447
Hartman, N.S. 834
Harvey, R.W. 806, 812
Hauck, C.A. 747
Hawkins, R.H. 704
Hayes, B.W. 588
Hayes, D.D. 161
Haynes, M.J. 415
Hazel, D.W. 1032
Heady, H.F. 448
Healy, W.M. 1026, 1038
Heath, M.E. 2, 180
Hedges, D. 310
Heidlage, W.D. 47
Heiges, D. 867
Heinrichs, D.H. 117
Hekimian, E.C. 965
Helderman, R. 594
Hellwig, R.E. 228, 447, 604
Helvey, J.D. 706
Hembry, F. 28, 238, 253, 464
Hemphill, D.D. 47
Hendee, J.C. 696
Henderson, G.S. 109, 705
Henderson, J.A. 617
Hentges, J.F. Jr. 21, 475, 504
Herbel, C.S. 117, 120, 256
Herd, D.B. 939
Herrington, R.B. 691
Hess, G. 242
Heywood, V.H. 56
Hildebrand, E.S. 610
Hileman, L.H. 252, 361
Hill, G.M. 311
Hillsman, G.A. 197
Hinckley, T.M. 1024
Hipp, T.S. 817
Hirth, D.H. 1031
Hobbs, J.C. 788
Hodges, E.M. 173, 207, 214, 215, 312, 342, 346, 479, 517, 519, 520, 523, 731, 839
Hodgkins, E.J. 717, 718
Hodgson, H.J. 476
Hoffman, G.O. 424
Hojjati, S.M. 362
Holbrook, H.L. 958, 962, 1019
Holder, D.L. 825
Hole, F.D. 929
Holloway, J.W. 508, 573
Holmes, M.R. 789
Holt, E.C. 57, 262, 390, 394, 424, 563, 659, 950
Holt, J.G. 790
Honea, R.S. 492
Hood, R.E. 963
Hooker, P.J. 926
Hooper, R.G. 1010
Horn, F.P. 11
Horn, G.C. 216
Horn, P.W. 983
Hornsby, Q.R. 568
Hough, W.A. 741
Hoveland, C.S. 174, 217, 263, 264, 265, 266, 267, 268, 269, 308, 309, 313, 314, 315, 316, 343, 830
Howarth, R.E. 212
Howell, F.G. 85, 97, 98, 100, 710, 736
Howell, R.W. 38
Howze, G.R. 791
Huffman, D.C. 845
Huggins, L.F. 916
Hughes, C.L. 438
Hughes, J.H. 564, 565
Hughes, R.H. 74, 80, 140, 672
Hughes, R.R. 920
Hulbert, W.C. 197
Hull, H.M. 410
Hull, J.L. 566
Humes, P.E. 317, 318, 344, 471, 498
Hunt, K.L. 191
Hunter, D.H. 662, 996
Hurley, C.G. 571
Hurst, G.A. 984
Hutcheson, K. 744
Hyde, R.M. 105
Hyder, D.N. 101, 469, 726, 1034
- I**
- Ibsen, D. 632
Icaza, E.A. 318, 471, 491, 499
Infanger, C.L. 801
Inglis, J.M. 963
Insley, L.W. 461
Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL 477
- J**
- Jackson, R.S. 721, 741
Jackson, W.A. 240, 370, 371, 649, 652
Jackson, W.G. 11
James, L.F. 39, 40, 40, 48
Jansma, J.D. 792
Jenny, B.F. 551
Jensen, A.S. 132, 669, 857, 862, 864, 866, 867, 870, 968
Jhunjhunwala, B. 793
Jobes, R.A. 763
Johns, D.M. 247
Johnson, A.S. 986, 987
Johnson, D.R. 201
Johnson, G. 36, 319, 766, 800, 813
Johnson, R.R. 567, 570
Johnson, W.C. 65, 683, 927
Johnson, W.W. 1033
Johnson, Z. 33
Johnston, J.E. 1030
Jones, B.F. 633
Jones, D. 478
Jones, D.M. 214
Jones, F.B. 12
Jones, J.B. 204, 281, 370, 371, 634, 649, 652, 652
Jones, J.E. 320
Jones, J.N. 152
Jones, R.J. 928
Jorgensen, J.R. 141
Jung, G.A. 102, 293
Jurries, R. 137, 138
Justus, F.E. 794, 795, 831
Justus, N.E. 899
Jutras, M.W. 218
- Klingman, D.L. 411
Klock, G.O. 706
Klukas, R.W. 732
Knake, E.L. 378
Knapp, F.W. 646, 647
Knight, W.E. 175, 176, 321
Knoerr, K.R. 930
Knori, L. 508, 530, 572, 573
Knox, F.E. 25
Knox, J.W. 177, 322, 449, 501, 502, 653
Kocher, R.E. 102
Koes, R.M. 569
Koger, M. 323, 346, 494, 495, 503, 504, 505, 506, 507, 517, 518, 519, 520, 521, 522, 523, 524, 525
Komarek, E.V. 83, 733
Kothmann, M.M. 139, 450, 451, 453, 532, 555, 880, 989
Kozlowski, T.T. 83, 84, 730, 756
Krans, J.V. 273
Krause, G.F. 885
Krefting, L.W. 58
Kreitlow, K.W. 101, 107
Kretschmer, A.E. Jr. 59, 178, 215, 219
Kropp, J.R. 508, 570
Kroth, E.M. 363
Krueger, W.C. 24
- L**
- Lacefield, G. 635
Lakela, O. 13
Lance, G.C. 796, 797
Landers, J.L. 20, 986, 987
Landreneau, M. 498
Lane, C.D. 244
Langdale, G.W. 375
Langdon, O.G. 670
Lantz, C.W. 131
Lapedes, D.N. 376
Larcher, W. 103
Larson, K.L. 179
Lawrence, R.M. 301, 324
Laws, E.A. 710
Lawson, E.R. 405, 412, 413
Lay, D.W. 988, 1045
Laycock, W.A. 24
Lechtenberg, V.L. 220
Leedy, D.L. 964, 965
Leithead, H.L. 72
Lentz, D.E. 641
Leonard, R.G. 1049
Lesperance, A.L. 902
Levin, S.A. 933
Lewert, H.V. 636
Lewis, C.E. 25, 79, 127, 135, 674, 675, 734, 759, 798, 799, 868, 869, 870, 948
Lewis, D. 961
Lewis, J.C. 1011
Lewis, P.K. Jr. 492
Lewis, R.D. 57, 950
Lewis, W.M. 260, 735, 736
Linnerud, A.C. 235
Little, C.O. 800
Little, J.A. 266, 562

- Loggins, P.E. 571
 Lohrey, R.E. 865
 Long, B.F. 801
 Long, F.L. 358
 Long, J.T. 833
 Long, R.W. 13, 802
 Long, W.P. 414
 Love, R.M. 180
 Loveland, R.W. 279
 Lovell, D.R. 292, 311
 Lowe, J.V. 325, 478
 Lowman, G.E. 966
 Lowrey, R.S. 25, 110
 Loyacano, A.F. 326, 509, 510, 637
 Lugo, A.E. 97, 104, 128
 Lund, Z.F. 358
 Lusby, K.S. 564, 565, 572, 573
 Luxmoore, R.J. 923, 929
 Lyle, E.S. 352
 Lyon, L.J. 737
- ### M
- Madsen, F.C. 560, 561, 641
 Males, J.R. 570
 Mankin, J.B. 923, 929, 933
 Mann, W.F. Jr. 45, 49, 415, 676
 Maple, W.R. 738
 Marchant, W.H. 194, 195, 336, 337, 447
 Marienfeld, C.J. 47
 Marion, W.R. 1031
 Marks, J.J. 899
 Martin, A. Jr. 689
 Martin, F.G. 173, 312, 479, 731
 Martin, J.W. 1020
 Martin, N.R. Jr. 804
 Martin, R.E. 729
 Martinez, A. 823
 Martojo, H. 473
 Martz, F.A. 243, 452, 610, 618
 Mason, A. 6
 Mason, O.C. 827
 Massey, J.R. 15
 Matches, A.G. 112, 181, 186, 243, 245, 248, 351, 452, 620, 630, 885, 899, 910
 Mathis, G.W. 453
 Mathis, K. 825
 Matocha, J.E. 270
 Mattas, R. 275, 363
 Mautz, W.W. 991
 May, J.T. 871
 May, R. 810
 Mayland, H.F. 306, 902
 Mays, D.A. 258, 375
 McCall, H.G. 428
 McCampbell, H.C. 622
 McCollum, J.M. 989
 McCormick, L.L. 379, 419
 McCormick, M.E. 182
 McCormick, R.F. 174, 264, 265, 266, 267, 314, 316, 343
 McCormick, W.C. 194, 195, 228, 328, 336, 337, 447, 604, 605, 606, 607
 McCreery, R.A. 160, 204, 240, 281
 McCullough, M.E. 246, 805
 McCurdy, D.R. 834
 McDow, J.J. 440
 McGeehon, M. 567
 McGinity, J.T. 654
 McGriff, J.A. 377
 McGuire, J.A. 268, 515
 McKean, H.E. 362
 McKee, C.E. 187
 McKell, C.M. 180
 McKendrick, J.D. 105
 McKie, J.W. 188, 455
 McKnight, W. 847, 848
 McLaren, J.B. 244, 560, 574, 575, 638
 McManus, B.R. 526
 McMurphy, W.E. 131, 271, 272, 277, 279, 333, 345, 903
 McRaney, N.D. 161
 McWhirter, E.L. 273
 Mealor, W.T. Jr. 947
 Meek, C.L. 639
 Meeuwig, R.O. 884
 Merrill, L.B. 73, 441, 989
 Merriman, G.M. 560, 575
 Messner, H.E. 888
 Metcalfe, D.S. 2, 180
 Metz, L.J. 737
 Meyer, R.E. 393, 394, 406, 416
 Meyerhoeffer, D.C. 496, 553
 Meyerholz, G.W. 640
 Miksch, D. 635
 Milchunas, D.G. 1030
 Miles, M. 835
 Miller, J.F. 417
 Miller, J.K. 641
 Miller, L.C. 436
 Miller, R.V. 424
 Mislevy, P. 41, 60, 142, 183, 215, 418
 Mitchell, A.L. 1036, 1049
 Mitchell, M. 181, 191, 452
 Moak, J.E. 739, 803
 Mobley, H.E. 740, 741, 742, 743
 Moen, A.N. 991, 1014
 Molloy, S.M. 221
 Monaco, T.J. 431
 Mondart, C.L. Jr. 364
 Monk, C.D. 61
 Monke, E.J. 916
 Monroe, J. 483
 Monroe, W.E. 419
 Monson, W.G. 25, 213, 228, 327, 336, 420, 836
 Montgomery, A.A. 937
 Montgomery, C.R. 247
 Moody, C.W. 872
 Moore, G.C. 1012
 Moore, H.D. 43
 Moore, J.E. 222, 229, 248, 323, 608, 837, 905, 922
 Moore, R.A. 515
 Moore, R.L. 511
 Moore, W.H. 143, 155, 442, 1035
 Morey, D.D. 184
 Morgan, E.B. 247
 Morgan, H. Jr. 202, 365
 Morris, J.G. 566
 Morris, M.J. 904
 Morrison, E.G. 462, 512, 648, 780
 Morrison, R.D. 508
 Morrow, R.E. 574
 Morton, H.L. 410
 Mosby, H.S. 971
 Moser, L.E. 106
 Mott, G.O. 167, 248, 576, 837
 Mugwira, L. 358
 Muller, H.D. 1013
 Mullison, W.R. 421
 Murphy, C.E. Jr. 930
 Murphy, P.A. 838
 Murphy, P.K. 62, 63, 1036
 Murry, R.E. 1045
 Musselman, L.J. 50, 676
 Musser, W.N. 804
 Mutz, J.L. 64, 347
 Myers, A.F. 276
 Myers, C.A. 931
 Myers, J.M. 323
- ### N
- National Academy of Sciences 577
 National Research Council, Committee on Natural Resources 578
 Neal, D.L. 904
 Neel, J.B. 579
 Nelson, B.D. 247
 Nelson, C.J. 112, 185, 201, 206, 223
 Nelson, J.R. 454
 Nelson, L.R. 171
 Nelson, S.L. 654
 Neville, W.E. Jr. 328
 Newsom, J.D. 1007
 Newton, G.L. 606
 Newton, M. 422
 Nichols, G.M. 720, 753
 Nicholson, S.A. 61
 Nipper, W.A. 326, 509, 510, 637
 Nix, J.E. 580
 Nixon, E.S. 90
 Nixon, W.W. 707
 Noble, R.E. 62, 63, 1036
 Nordstedt, R.A. 121
 Norris, K.H. 905
 Norris, L.A. 422
 Northup, M.L. 920
 Novosad, A.C. 424
 Nowak, R.M. 1006
- ### O
- O'Neill, R.V. 85, 932, 933
 Oak, R.S.E.G. 933
 Oakes, J.Y. 177, 190, 274, 449, 501, 502, 906
 Ocumpaugh, W.R. 186, 229
 Odom, J.A. 440, 558
 Odum, E.P. 744
 Oefinger, R.D. 144
 Oefinger, S.W. Jr. 14
 Offutt, M.S. 187, 239, 249
 Ohlenbusch, P.D. 642
 Oliver, W.M. 145, 329, 330, 513, 514, 581, 582
 Oltjen, R.R. 583, 584
 Osborn, J.E. 51
 Osterhaus, C.A. 131
 Osuji, P.O. 585
 Osweiler, G.D. 619
 Overton, J.R. 168, 169, 202, 224
 Owen, J.T. III 266
 Owens, F.N. 570
 Owensby, C.E. 105, 713
- ### P
- Pace, J.E. 473, 546, 547
 Pack, J.C. 1026, 1038
 Palmer, A.Z. 521, 588, 609
 Palmer, R.D. 424
 Palmertree, H. 188, 225, 226, 455
 Parker, C.F. 196
 Parks, D.L. 939
 Parsons, G.S. 819
 Parsons, S.D. 220
 Parvin, D.W. 789, 805
 Pate, F.M. 586, 587, 588
 Patrick, C.D. 643
 Patten, B.C. 932
 Patterson, T.B. 515, 516
 Payne, C.G. 610
 Peacock, F.M. 312, 342, 346, 479, 505, 517, 518, 519, 520, 521, 522, 523, 524, 525, 839
 Pearson, H.A. 26, 27, 86, 146, 147, 148, 189, 559, 589, 660, 677, 678, 737, 811, 840, 841, 873, 876, 948, 1046, 1047
 Peden, D.G. 896
 Peet, M. 745
 Peevy, F.A. 423
 Peevy, W.J. 366, 367
 Pendse, D. 934
 Pennington, M.T. 380
 Perkins, C.J. 20, 729
 Perkins, H.F. 255
 Perkins, J.M. 28, 238
 Perrin, R.K. 806
 Perry, C. 1004
 Peter, F.C. 297
 Peters, E.J. 275
 Pritz, D.C. 220
 Pfander, W.H. 569
 Pharo, J.A. 746, 747
 Phillips, S.A. 296
 Pierce, J.B. 842
 Pierce, J.O. 47
 Pierce, R.W. 907
 Pierovich, J.M. 748
 Pledger, M. 1048
 Plummer, A.P. 107
 Poche, N.T. 496
 Poe, W.E. 42, 44
 Polk, D.B. Jr. 347
 Pomeroy, S.E. 744
 Pontif, J.E. 326, 510
 Pope, L.S. 480, 564, 565, 590
 Porter, I.R. 75
 Posey, J.T. 481

Potts, H.C. 209
 Pouche, N.T. 553
 Powell, J. 23, 357, 456, 457, 591, 949
 Powell, J.D. 133, 159, 192, 233, 290, 354, 444
 Prater, T.E. 482
 Pratt, J.N. 331, 424, 950
 Price, D.A. 24
 Price, J.D. 424
 Priester, D.S. 380
 Prine, G.M. 276
 Pritchett, W.L. 684
 Probasco, G.E. 749, 907, 948, 990
 Pruitt, B.C. 87
 Prunty, M.C. 947
 Pund, W.A. 462

R

Rabb, J.L. 190, 274
 Radford, A.E. 15
 Radtke, R.E. 1025
 Ragsdale, B.J. 156
 Range Term Glossary Committee, Society for Range Management 951
 Rangeland Reference Area Committee, Society for Range Management 88
 Ranney, J.W. 89
 Raquse, C.A. 566
 Ray, M.L. 485, 592, 786, 827, 849, 908
 Rayburn, E.B. 250, 445
 Reardon, P.O. 458
 Reddy, R.S. 47
 Redfern, J.M. 707
 Reese, K.P. 1037
 Reeves, H.C. 750, 751
 Reichle, D.E. 85, 118, 671, 679, 935
 Renoll, E.S. 332
 Reynolds, J.H. 202, 241, 251, 360
 Reynolds, R.A. 526
 Reynolds, W.L. 496, 553
 Rice, R.W. 807, 896
 Rice, W. 356
 Richardson, C.W. 708, 936
 Rider, A.R. 593
 Riggs, J.K. 298
 Riley, J.G. 543
 Riley, T.E. 393, 406
 Rittenhouse, L.R. 895
 Ritter, R.J. III 606
 Robbins, C.T. 991, 1014
 Robel, R.J. 1003
 Robey, C.A. Jr. 475
 Robinson, V.L. 937
 Rodriguez-Kabana, R. 269, 343
 Roedner, B.J. 16
 Rogers, M. 369, 1040, 1049
 Rogers, R.W. 236, 462
 Rogers, W.A. 35, 898, 977, 1030, 1032, 1038, 1040
 Romann, L.M. 131
 Rome, J.M. 28

Rommann, L.M. 271, 272, 277, 333
 Ronald, N.C. 644
 Ross, M.A. 433
 Roush, R.D. 149
 Ruelke, O.C. 608, 922
 Ruf, M.E. 267
 Ruggiero, L.F. 909, 992
 Rumsey, T.S. 545, 645
 Rush, I.G. 594, 595
 Ruziska, W.E. 741

S

Sabbe, W.E. 252
 Sackett, S.S. 752
 Saffigna, P.G. 920
 Safley, L.M. 638
 Sampaio, E.V.S.B. 203, 227, 368
 Sanders, H.O. 1033
 Sanders, J.O. 938
 Sanders, W.L. 244, 526
 Sanderson, H.R. 1026, 1038
 Sandland, R.L. 928
 Sarles, R.L. 278
 Saunders, F.B. 853
 Saylor, D.W. 638
 Schake, L.M. 596
 Schalles, R.R. 713
 Schank, S.C. 207
 Scheibner, R.A. 646, 647
 Schell, K.F. 697
 Schilling, P.E. 338, 353, 464
 Schmedemann, I.W. 693
 Schmidting, R.C. 688
 Schneider, B.H. 597
 Schoenfeld, C.A. 696
 Schultz, R.C. 886
 Schupp, A. 483, 808, 843, 844, 845, 846, 847, 848
 Scifres, C.J. 64, 144, 347, 424, 425, 426, 427, 428, 432, 946
 Scofield, M.L. 616
 Scruggs, C.G. 348, 484
 Sealander, J. 960
 Seatz, L.F. 440
 Sedberry, J.E. Jr. 70, 364
 Seehorn, M.E. 981, 982
 Segelquist, C. 30, 32, 369, 1005, 1039, 1040, 1049
 Seib, J.C. 1041
 Sell, W.H. 349, 598, 634
 Senter, W.R. 279
 Shaffer, S.R. 654
 Sharp, W.E. 594
 Sharpe, D.M. 65
 Shaw, R.B. 952
 Shaw, W.C. 411
 Sheldon, J.J. 972, 1015
 Shelton, M. 527, 528
 Shenk, J.S. 905
 Short, H.L. 29, 30, 31, 32, 970, 993, 994, 995
 Shrauder, P.A. 981, 982
 Shrode, R.R. 558
 Shugart, H.H. 82, 933
 Shumway, C.R. 529, 806, 809, 812
 Siegel, W.C. 680

Silvy, N.J. 1008
 Skau, C.M. 884
 Skeen, J.E. 980, 1021
 Skelley, G.C. 551
 Sleper, D.A. 191, 211, 223
 Slusher, J.P. 1024
 Smart, L.I. 28, 238, 253, 481
 Smeins, F.E. 73, 952
 Smith, A.D. 953
 Smith, A.E. 158, 233, 254, 255, 340, 599
 Smith, B. 459, 996
 Smith, D. 846, 847, 848
 Smith, D.R. 1042
 Smith, E.B. 919
 Smith, E.F. 543, 713
 Smith, H.J. 558
 Smith, K.L. 386
 Smith, L.A. 267, 332, 516, 537
 Smith, M.H. 85, 97, 98, 100, 710, 736
 Smith, N.S. 882
 Smith, O. 810
 Smith, R.H. 1044
 Smith, R.L. 207
 Smith, W.A. 424
 Smith, W.H. 220, 695, 874
 Smith, Y.C. 354
 Smithson, L.J. 511, 564, 565, 648
 Smoliak, S. 150
 Snider, C.C. 997
 Snyder, G.H. 178
 Snyder, R.Q. 440
 Sosebee, R.E. 95, 106, 108
 Southern Extension Services, Soil Test Work Group 709
 Southern Forest Fire Laboratory Personnel 681
 Southwell, B.W. 447
 Spaulding, B. 787
 Spiers, J.M. 162
 Spiller, D. 528
 Spooner, A.E. 485, 786, 827, 849, 908
 Stallcup, O.T. 33
 Stallings, J.L. 332
 Stanley, R.L. 160, 192, 215, 255
 Stark, N. 34
 Starling, J.G. 263, 268, 269
 Starnes, J.J. 232
 Steele, R. 34
 Steinert, W.G. 429
 Stephens, D.F. 508, 564, 565, 572, 573
 Stephenson, R.L. 961
 Sternitzke, H.S. 811, 873, 875, 876, 1046, 1047
 Stewart, R. 407
 Stoddart, L.A. 953
 Stoin, H.R. 280
 Storm, D.F. 828
 Strange, J.S. 937
 Stransky, J.J. 35, 90, 877
 Stringer, W.C. 445
 Stritzke, J. 131, 272, 345, 429
 Strong, B. 179, 185, 356
 Strub, M.R. 666

Stuedemann, J.A. 197, 246, 307, 370, 371, 376, 445, 486, 563, 622, 634, 645, 649, 652, 769, 830, 836, 837, 849, 850
 Subcommittee of the U.S. Animal Health Association Committee on Leptospirosis 650
 Sundell, E. 17
 Swank, W.T. 91, 109
 Swann, C.W. 417
 Swindel, B.F. 662, 874

T

Takayama, T. 914
 Taliaferro, C.M. 11
 Tan, K.H. 160, 204, 281
 Taylor, C.A. 441
 Taylor, G.L. 682
 Taylor, M.S. 491
 Taylor, T.H. 193, 350, 362
 Taylor, T.W. 73
 Taylor, W.D. 833
 Templeton, W.C. Jr. 36, 193, 311, 350, 362
 Terrin, R.K. 812
 Thayer, R.H. 23, 538
 Theurer, B. 892
 Thien, L.B. 66
 Thill, R.E. 878
 Thomas, J.L. 6
 Thomas, J.W. 1025, 1026, 1038
 Thompson, C.S. 551
 Thompson, G.B. 351
 Thompson, W.C. 334
 Thor, E. 720, 753
 Thurman, C.W. 162
 Timmons, J.F. 783
 Tippin, T. 600
 Tipton, K.W. 322
 Tisdale, S.L. 601
 Toler, R.W. 216
 Tookey, H.L. 654
 Totusek, R. 508, 530, 531, 564, 565, 572, 573, 594, 595, 602
 Trapani, J.M. 66
 Trew, T.B. 129
 Triplett, C.M. 335, 634
 Tucker, B.B. 903
 Turman, E.J. 530, 531
 Turner, R.R. 710
 Tyner, F.H. 236, 780, 793

U

U.S. Department of Agriculture, Agricultural Research Service 381
 U.S. Department of Agriculture, Forest Service 954, 967
 U.S. Department of Agriculture, Soil Conservation Service 130
 Ulagaraj, S.M. 119
 Urbston, D.F. 898
 Ursic, S.J. 871
 Utley, P.R. 194, 195, 228, 336, 337, 603, 604, 605, 606, 607, 836

V

Vallentine, J.F. 955
 Van Hook, R.I. Jr. 118
 Van Kampen, K.R. 40, 48
 Van Keuren, R.W. 196
 van Rooyen, D.J. 929
 Van Soest, P.J. 991
 Van Winkle, W. 933
 Vance, J.E. 651
 VanGelder, G.A. 619
 Vartha, E.W. 351, 910
 Ventura, M. 608
 Veteto, G. 879
 Vezey, S.A. 1013
 Vijchulata, P. 609
 Vincent, C.K. 502, 509
 Vogl, R.J. 754, 755, 756, 757
 Vogt, J.R. 610
 Voigt, P.W. 256
 Voth, E.H. 998

W

Wade, D.D. 758
 Wagar, J.A. 691
 Wagner, D.G. 23
 Waldrep, T.W. 260
 Waldrop, J.E. 779
 Walker, O.L. 231, 763, 818
 Walls, J.R. 242
 Walstad, J.D. 400

Walston, P.W. 673
 Ward, C.E. 825
 Ward, D.E. 758
 Ward, F.D. 1049
 Warnick, A.C. 323, 506, 507, 518, 520, 524
 Warren, A. 813
 Warren, L.E. 401, 430
 Warren, W.P. 610
 Wascom, B.W. 379
 Washko, J.B. 183, 985
 Watson, V.H. 42, 44, 176, 372
 Watson, W.J. 717, 718
 Webb, B.B. 131, 271
 Weber, A.J. 1032
 Weber, J.B. 431
 Webster, G.T. 115
 Webster, W.B. 308, 309, 315
 Weichert, A.T. 137, 138
 Weingartner, D.H. 352
 Weiss, T.E. 66
 Wells, C.G. 759
 Wells, R.C. 819
 West, D.C. 683
 Westberry, G. 851
 Wettemann, R.P. 530, 531
 Whalley, R.D.B. 911
 Wharrie, J.R. 410
 Wheaton, H.N. 185
 Wheeler, R.F. 232, 611
 Whelan, J.B. 887, 909, 980, 992, 1021
 Whitaker, L.B. 660, 678, 728, 841

White, D.A. 66
 White, L.D. 92, 121, 132, 373, 684, 685, 799, 814, 815, 816, 840, 956, 1030
 White, T.W. 257
 Whiteman, J.V. 564, 565, 573
 Whitley, J.R. 711
 Whitson, R.E. 432, 939
 Wide, J.O. 804
 Wilham, R.L. 487
 Wilhite, A.T. Jr. 93
 Wilkinson, S.R. 110, 197, 258, 370, 371, 374, 375, 376, 622, 634, 645, 649, 652, 652
 Willett, R.L. 90
 Williams, D.J. 370, 371, 645
 Williams, E.J. 327
 Williams, J.C. 322, 653
 Williams, J.L. Jr. 433
 Williams, J.N. II 611
 Williams, M. 654
 Williams, N.C. 707
 Willis, W.H. 70
 Williston, H.L. 686
 Wilson, J.C. 919
 Wilson, J.G. 434
 Wilson, M.M. 1016
 Wilson, R.L. Jr. 649
 Wilson, W.R. 762
 Wilt, R.W. Jr. 852
 Winget, C.H. 71
 Wingo, C.W. 644
 Winters, D. 712
 Wise, J.O. 853
 Wise, M.B. 539
 Witkowski, G.V. 51
 Witte, A.M. 707
 Wolters, G.L. 93, 111, 687, 688, 689, 878, 948
 Woodhouse, W.W. Jr. 300
 Woods, C. 435
 Woods, F.W. 715, 716
 Woods, S.G. 232
 Worley, E.E. 340
 Worsham, A.D. 431
 Wright, L.N. 120
 Wright, M.J. 38
 Wright, W.G. 401
 Wyatt, R.D. 530, 531

Y

Yarlett, L.L. 3, 67, 94, 136, 149, 479
 Yates, S. 304, 654
 Yonce, H.D. 436
 York, D.W. 940
 Younde, J. 934
 Young, H. 65, 666
 Young, S.A. 37

Z

Zeedyk, W.D. 690
 Zepp, G.A. 914

INDEX OF KEYWORDS

A

ABORTION 40
 ACID 355, 360
 ACIDITY 355, 360
 ACORN 969
 AERIAL 272, 432
 AIR 719, 733, 746, 864
 ALABAMA 6, 43, 404, 717
 ALFALFA 212, 260, 275, 297, 610
 ALICIA BERMUDA-GRASS 274
 ANAPLASMOSIS 637
Andropogon 9, 10
 ANGORA 527
 ANGUS 487, 492, 518, 519
 ANNUALS 169, 190, 194, 205, 263, 265, 266, 268, 269, 337, 341, 364, 542
 ANT 612
 APPALACHIAN 152, 715, 716, 832, 969
 AQUATIC 150
 ARKANSAS 252, 289, 303, 310, 413, 485, 707, 786, 787, 810, 827, 908, 1040, 1048, 1049
 ARTIFICIAL INSEMINATION 488
Aureolaria pedicularia 50
 AUTHORSHIP 944

B

BACHMAN'S WARBLER 1010
 BAHIAGRASS 159, 160, 174, 192, 199, 204, 209, 222, 227, 229, 261, 336, 354, 355
 BASAL AREA 865
 BEEF 36, 121, 132, 135, 164, 172, 194, 205, 220, 234, 246, 263, 268, 284, 288, 298, 307, 308, 310, 323, 328, 334, 339, 342, 344, 346, 348, 349, 445, 462, 466, 468, 471, 472, 477, 478, 481, 483, 484, 485, 491, 501, 504, 507, 509, 511, 523, 525, 540, 542, 545, 548, 551, 554, 563, 575, 590, 602, 604, 605, 607, 623, 626, 633, 637, 640, 645, 647, 760, 761, 765, 768, 769, 771, 772, 773, 775, 777, 778, 782
 BEEF CATTLE 598
 BEEF COW 816
 BEEF HERDS 817
 BERMUDAGRASS 168, 169, 177, 179, 193, 204, 222, 224, 228, 229, 232, 235, 240, 252, 263, 268, 273, 298, 301, 322, 327, 328, 329, 330, 336, 359, 364, 394, 420, 447, 514, 534, 582, 653, 922

BIBLIOGRAPHY 17, 955
 BIRD 668, 959, 1005, 1013, 1029, 1042
 BIRDS 861, 976
 BIRDSFOOT TRE-FOIL 185, 275
 BIURET 545, 583, 605, 607
 BLACKBERRIES 988
 BLACKLEG 624, 632
 BLOAT 212, 297
 BLUEGRASS 350, 362
 BLUESTEM 9, 10, 26, 75, 78, 105, 147, 149, 569, 713, 728, 745
 BOBWHITE 974, 987, 999, 1002, 1003, 1016, 1035
 BOTANY 17
 BOTTOMLAND 63
 BOTTOMLAND HARD-WOOD 1036
 BRAHMAN 491, 505, 514, 518, 519, 523, 524, 525
 BREEDING, ANIMAL 323, 509, 514
 BREEDING, PLANT 116, 191, 210, 212, 307, 323
 BREEDS 498, 501, 504, 511, 519, 525
 BROMACIL 423
 BROOMSEGE 380
 BROWSE 29, 99, 658, 678, 688, 689, 977, 981, 982, 994, 1032, 1036, 1045, 1046, 1047
 BROWSERS 879
 BRUSH 51, 393, 403, 404, 406, 432, 437, 438
 BUCKEYE 49
 BURNING 34, 35, 53, 80, 144, 327, 479, 657, 713, 717, 719, 720, 723, 724, 726, 727, 728, 729, 731, 733, 734, 743, 744, 746, 747, 750, 752, 1016

C

CALF 163, 194, 205, 235, 263, 268, 292, 292, 295, 296, 310, 311, 322, 324, 328, 455, 462, 463, 479, 481, 485, 492, 493, 505, 514, 603, 767, 775, 788, 796, 797, 804, 908
Canis 1006
 CARBOHYDRATE 102, 105, 106, 206, 254, 293, 360, 641
 CARCASS 492, 603
 CAROLINAS 46, 91, 218, 468, 734, 735, 806, 812, 1000
 CATTLE 21, 22, 25, 26, 36, 37, 40, 121, 135, 139, 143, 172, 234, 294, 323, 329, 335, 349, 358, 432, 457, 461, 466,

468, 472, 476, 477, 504, 507, 509, 511, 518, 522, 540, 545, 548, 559, 560, 563, 586, 589, 595, 604, 621, 623, 624, 625, 626, 629, 632, 633, 637, 639, 640, 642, 653, 654, 660, 672, 761, 768, 778, 787, 808, 810, 821, 827, 830, 836, 837, 840, 849, 863, 894, 895, 910, 926, 938
 CATTLE DAMAGE 673
 CHAROLAIS 492, 518, 519
 CHEMICAL COMPOUNENTS 19
 CHEMICAL SITE PREPARATION 1020
 CHOPPING 442
 CHROMIC OXIDE 550, 909
 CLEARCUTTING 587, 682, 1021
 CLEARING 280, 985, 1040
 CLIMATE 54, 642
 CLIPPING 160, 192, 301, 444
 CLOVER 165, 195, 202, 217, 218, 235, 236, 260, 263, 267, 300, 309, 355, 761
 COAL 152
 COASTAL BERMUDA-GRASS 12, 64, 70, 139, 177, 228, 232, 235, 240, 263, 268, 298, 301, 322, 327, 328, 329, 330, 336, 359, 420, 447, 514, 582, 653, 682, 684, 717, 734, 768, 871, 1046
 COMMUNITIES 87
 COMPACTION 893
 COMPOSITION 22, 26, 30, 63, 237, 252, 364, 459, 645, 731, 744, 902, 995, 1008
 CONSERVATION 3, 941
 CONTROL 41, 42, 150, 278, 297, 383, 393, 401, 403, 404, 406, 413, 416, 417, 418, 438, 613, 616, 626, 647, 686, 707, 913
 CONTROLLED BURNING 984
 COOL SEASON 273
 CORDGRASS 144
 COTTONSEED MEAL 566, 583, 605, 607
 COW 132, 157, 220, 235, 268, 292, 295, 298, 317, 324, 325, 342, 471, 491, 498, 510, 524, 531, 565, 566, 575, 605, 607, 611, 645, 790
 COW-CALF 263, 296, 310, 453, 479, 485, 788, 796, 797, 804, 908
 COYOTE 1006, 1007
 CREEP 292, 537, 587
 CROP RESIDUES 285
 CROSSBREEDING 317, 491, 492, 501, 505, 507, 510,

513, 518, 519, 522, 523, 525, 765, 790, 809
 CROWN VETCH 234, 260, 293, 295
 CULLING 471
 CUTOVER 1035

D

DAIRY 339, 358, 498, 568, 765, 809
 DALLISGRASS 209, 261
 DEER 32, 143, 432, 643, 655, 656, 658, 882, 887, 897, 898, 909, 931, 963, 970, 972, 975, 977, 979, 980, 981, 982, 985, 989, 990, 991, 992, 993, 994, 996, 997, 1001, 1008, 1012, 1014, 1015, 1018, 1021, 1028, 1032, 1036, 1040, 1043, 1046, 1049
 DEER-FORAGE-TIMBER 854
 DEFOLIATION 112
 DIET 21, 22, 26, 37, 139, 237, 532, 534, 604, 641, 882, 896, 902, 922, 974
 DIGESTIBILITY 25, 29, 30, 31, 229, 243, 253, 445, 599, 608, 610, 895, 970, 990, 991, 992, 995, 996, 997
 DIGITGRASS 207, 214, 229, 608
 DISEASE 625, 632, 632, 640, 642, 651
 DOG 960
 DORMANCY 96, 113
 DOUBLE CROPPING 557
 Doves 1044
 DROUGHT 457, 591

E

ECOLOGY 56, 77, 81, 82, 103, 119, 128
 ECONOMICS 51, 302, 303, 374, 432, 482, 588, 761, 765, 767, 769, 775, 779, 782, 787, 797, 806, 809, 812, 821, 826, 829, 831, 835, 839, 841, 845, 852, 853, 926
 ECOSYSTEMS 69, 83, 84, 88, 91, 109, 128, 427, 671, 730, 756, 930, 933, 935
 ELECTRONIC 904
 ENCLOSURE 1049
 ENDANGERED 856, 872, 959, 961, 966
 ENERGY 33, 222, 301, 509, 585, 586, 758, 924
 ENVIRONMENT 210
 EROSION 278
 ESTABLISHMENT, PASTURE 120, 260, 262, 264, 267, 272, 275
 ESTRADIOL 606
 EXOTIC 189, 501

F

FARMING 763
 FAUNA 737
 FECAL 882, 896, 909
 FEEDING HABITS 998
 FEEDS 39, 220, 232, 246, 292, 305, 309, 311, 332, 467, 479, 522, 536, 537, 539, 545, 545, 566, 587, 588, 588, 593, 606, 607, 805, 819, 991, 992, 1001
 FEES 826
 FENCES 156
 FERNS 13
 FERTILIZATION 141, 160, 173, 192, 241, 250, 279, 338, 354, 355, 360, 361, 363, 365, 369, 373, 645, 713
 FERTILIZER 367
 FESCUE 42, 44, 112, 113, 115, 166, 169, 174, 186, 187, 191, 193, 206, 223, 224, 235, 241, 243, 244, 250, 251, 252, 254, 258, 264, 267, 272, 299, 304, 343, 350, 351, 360, 362, 372, 538, 610, 645, 654, 749, 910, 990
Festuca 243, 250
 FINISHING 236, 335, 462, 466, 476, 539, 548, 552, 556, 583, 604, 606, 609, 761, 830, 836, 837, 845, 849
 FIRE 53, 58, 76, 83, 84, 612, 706, 714, 715, 716, 718, 722, 730, 735, 737, 739, 740, 741, 742, 745, 749, 750, 753, 754, 755, 756, 757, 758, 759
 FIRE RETARDANTS 1033
 FISHES 1033
 FISTULA 892, 902
 FLATWOODS 355, 446, 459, 817, 996
 FLOODING 62
 FLORIDA 3, 13, 37, 41, 80, 121, 128, 132, 140, 178, 200, 211, 219, 323, 342, 355, 418, 442, 446, 459, 463, 473, 477, 504, 522, 525, 629, 672, 755, 768, 793, 816, 817, 824, 825, 839, 857, 866, 924, 947, 996, 1008, 1030, 1035
 FLOWERING 99
 FLY 615, 616, 639, 644
 FORAGE 22, 24, 25, 30, 32, 33, 36, 47, 54, 72, 102, 116, 135, 136, 137, 138, 139, 145, 157, 164, 165, 167, 168, 169, 170, 171, 173, 175, 183, 188, 192, 200, 201, 202, 205, 210, 211, 213, 225, 228, 237, 240, 241, 242, 246, 249, 251, 254, 257, 262, 264, 268, 270, 274, 284, 288, 289, 292, 305, 307, 310, 311, 314, 316, 331, 334, 335, 337, 339, 341, 342, 346, 348, 349, 350, 352, 356, 358, 360, 363, 366, 37
 FORAGE-FED BEEF 535
 FOREST 14, 31, 58, 63, 71, 83, 91, 109, 118, 122, 126,

132, 135, 141, 146, 148, 154, 559, 663, 664, 665, 669, 676, 677, 680, 681, 682, 684, 685, 689, 697, 706, 715, 716, 718, 722, 735, 741, 791, 803, 811, 841, 855, 857, 858, 859, 862, 864, 866, 867, 868, 870, 873, 875, 876, 937, 957, 959, 962, 966, 968, 977, 981, 982, 1005, 1018, 1028, 1029, 1030, 1036, 1042, 1049
 FOREST GAME HABITAT 1019
 FOREST RANGE 37, 122, 126, 132, 135, 146, 147, 148, 446, 459, 559, 589, 600, 660, 677, 678, 685, 811, 816, 840, 841, 855, 860, 868, 870, 873, 875, 876
 FRUIT 19, 31, 99, 978

G

GAINS 235, 320, 447, 513, 514, 536, 538, 582, 928, 1014
 GEORGIA 184, 335, 340, 349, 467, 598, 634, 744, 771, 796, 797, 804, 805, 890, 937
 GERMINATION 96, 113, 120, 279
 GOATS 438, 441, 527, 642
 GRAIN 236, 270, 539, 542, 590, 769, 830, 836, 837, 849, 922, 926
 GRASS 1, 3, 8, 47, 101, 102, 120, 125, 149, 162, 165, 169, 173, 175, 178, 181, 189, 190, 199, 200, 211, 263, 266, 273, 279, 300, 306, 313, 315, 337, 340, 425, 560, 618, 623, 634, 641, 667, 713, 863, 911, 950
 GRASS TETANY 614
 GRASSLANDS 129, 148, 287, 754, 756, 757, 966
 GRAZERS 879
 GRAZING 37, 122, 126, 136, 146, 147, 177, 188, 190, 237, 295, 297, 308, 322, 329, 330, 445, 446, 448, 450, 451, 452, 455, 456, 457, 459, 538, 589, 645, 648, 660, 678, 704, 780, 807, 826, 841, 855, 860, 875, 885, 894, 895, 928
 GRAZING SYSTEMS 443, 458
 GROWTH REGULATION 615
 GRUB 629
 GUYANA 926

H

HABITAT 717, 962, 1015, 1018, 1028, 1029, 1030, 1042, 1049
 HARDWOOD 4, 58, 75, 91, 93, 278, 399, 405, 423, 656, 689, 716, 720, 724, 753, 858, 1005, 1018

HAY 21, 177, 188, 190, 220, 247, 282, 298, 302, 303, 309, 332, 569, 608, 610, 654, 833, 922
 HEIFER 318, 320, 344, 508, 536, 538, 539, 591, 606, 607
 HERBAGE 35, 147, 159, 160, 165, 166, 183, 186, 189, 192, 204, 241, 244, 250, 251, 293, 299, 301, 327, 343, 351, 352, 362, 364, 420, 459, 678, 687, 688, 689, 720, 724, 781, 865, 885, 910, 969, 970
 HERBAGE DISAPPEARANCE 147
 HERBICIDE 260, 275, 377, 387, 389, 390, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 404, 406, 408, 409, 410, 411, 413, 415, 416, 421, 422, 423, 425, 426, 427, 428, 429, 431, 433, 434, 599, 718
 HERBIVORES 998
 HEREDITY 973
 HEREFORD 492, 508, 510, 564
 HISTOLOGIC 998
 HOLSTEIN 508
 HONEYSUCKLE 35, 369, 972, 1015

I

IMPLANTS 591, 603, 606
 INDIANGRASS 96, 105
 INFILTRMETER 884
 INKBERRY 979
 INSECTICIDE 628
 INSECTS 118, 646, 647
 INTAKE 229, 445, 608, 887, 895, 1001
 INTEGRATED MANAGEMENT 859, 867, 868, 870
 INVENTORIES 873, 1045, 1046, 1047
 IRRIGATION 269, 354

J

JOINTVETCH 143

K

KENTUCKY 350, 362, 795
 KISSIMMEE 87
 KOLEAGRASS 264
 KUDZU 404

L

LAND USE 776
 LANDOWNERS 791, 803
 LEASES 764
 LEGUME 1, 117, 141, 175, 176, 178, 179, 185, 187, 200, 201, 250, 275, 299, 308, 321, 729, 926, 950
 LESPEDEZA 225, 315, 316

LIGHTNING 715
 LIVESTOCK 38, 40, 43, 48, 134, 138, 167, 646, 793, 794, 818, 824, 826, 828, 917, 955, 968
 LOBLOLLY PINE 93, 377, 380, 655, 656, 670, 673, 689, 854, 931, 1028
 LONE STAR TICKS 643
 LONGLEAF PINE 74, 78, 723, 727, 865
 LOUISIANA 17, 66, 70, 478, 639, 699, 723, 726, 808, 811, 875, 876, 1002, 1006, 1007, 1012, 1018, 1036, 1045, 1046, 1047
 LUPINE 239, 249

M

MAGNESIUM 356, 560, 641
 MAMMALS 58, 668, 966
 MANURE 374
 MARKETING 769, 825, 826, 845, 850
 MARSHLANDS 70, 94
 MAST 980
 MEAT PRODUCTION 465
 MECHANICAL SITE PREPARATION 280, 1020
 MIDSTORY 656
 MINERALS 241, 258, 584, 616, 902
 MISSISSIPPI 162, 455, 777, 779, 803
 MISSISSIPPI RIVER 63
 MISSOURI 47, 644, 899, 997
 MODELING 783, 854, 915, 918, 919, 920, 921, 923, 925, 926, 927, 930, 936, 937, 938, 940, 943
 MOLASSES 545, 586
 MONENSIN 538, 552, 582, 584, 606, 609
 MOWING 35, 657, 731

N

NATIVES 983
 NEMATODE 269, 343, 653
 NITRATE 359, 362, 627
 NITROGEN 105, 160, 165, 192, 201, 241, 250, 265, 301, 353, 362, 365, 366, 372, 570, 584, 780, 818, 892
 NORTH CAROLINA 109, 1032
 NUTRIENTS 28, 34
 NUTRITION 25, 31, 35, 91, 144, 204, 238, 239, 244, 247, 249, 252, 253, 258, 353, 355, 459, 563, 601, 608, 657, 713, 735, 840, 968, 970, 990, 993

O

OAK 413, 969, 980, 1021, 1029
 OAT 338, 353

OKEECHOBEE 703
OKEFENOKEE 53
OKLAHOMA 591
OPTIMIZATION 913, 915
ORCHARDGRASS 183, 251,
294, 361, 610
OVERSEEDING 168, 169,
263, 266, 268, 337
OVERSTORY 655, 658, 687
OVERSTORY EF-
FECTS 860
OVINE 39
OZARKS 16, 32, 405, 997,
1040, 1049

P

PALATABILITY 256
PALMETTO 442
PANGOLA 222, 608
Panicum 262, 444
PARAQUAT 261, 420
PARASITES 621, 633, 648,
653, 676
PASTURE 163, 194, 195, 199,
200, 219, 228, 236, 237, 238,
243, 252, 253, 265, 269, 271,
272, 276, 280, 282, 291, 296,
297, 300, 317, 318, 320, 323,
324, 325, 336, 344, 350, 351,
355, 383, 418, 435, 452, 456,
457, 466, 498, 513, 523, 538,
539, 542, 585, 586, 588, 593,
648, 653, 699, 761, 764, 768,
775, 859, 903, 910, 924, 955
PEDOMETERS 880
PERENNIAL 101, 162, 165,
173, 276, 337, 340
PEST 612, 616, 626, 631, 639,
639
PESTICIDES 700
PHENOXY 396, 397
PHOSPHORUS 353, 364
PHOTOSENSITIVITY 211
PICLORAM 423
PIEDMONT 773, 789, 796,
797, 804, 830, 867
PINE 4, 25, 26, 39, 40, 69, 74,
78, 93, 135, 147, 189, 373,
655, 656, 658, 660, 670, 672,
677, 678, 687, 688, 689, 716,
717, 718, 723, 724, 727, 728,
735, 821, 863, 875, 931, 970,
972, 1005, 1018, 1021, 1028
PINE FORESTS 668
PINE PLANTATIONS 861
PINE-BLUESTEM 726
PINE-HARDWOOD 878
PLANT SUCCESSION 53,
64
PLANTATION 860
PLANTATIONS 373, 655,
656, 672, 686, 688, 724, 727,

931, 970, 972, 974, 1030
POCOSIN 1032
POISONING 38, 40, 43, 46,
48, 627
POLLUTION 733, 913
POTASSIUM 241, 353, 641
PRAIRIE 139
PRECIPITATION 247, 358,
466, 699, 708, 913, 936
PREDATOR CON-
TROL 631
PRODUCTIVITY,
ANIMAL 295, 491, 498,
510, 565, 575
PROGRAMMING 914
PROTEIN 222, 241, 534, 550,
569, 570, 584, 591, 600, 608,
611
PUBLIC LANDS 891
PULP 609

R

RACKS 973
RAINFALL 865
RANCHING 915, 955, 963
RANGE GLOSSARY 951
RANGE MANAGE-
MENT 953, 955
RANGELAND 64, 88, 95,
106, 108, 117, 134, 403, 456,
465, 692, 802, 881, 884, 893
RATIONS 973
RECREATION 691, 693
REGENERATION 753
REGROWTH 183, 206, 227,
456
REPRODUCTION,
ANIMAL 39, 509, 518, 524,
527, 531
REVEGETATION 90, 152,
154, 278
RHODESGRASS 219
ROOTS 45, 204, 676, 900
ROTATIONS 728
ROUGHAGE 570, 769, 807
RUMEN 44, 545, 882, 892,
898, 902
RUMINANT 30, 239, 585,
601, 922
RYE 32, 184, 264
RYEGRASS 236, 270, 276,
309, 338, 353, 627, 761

S

SALINE RANGE-
LANDS 820
SALIVA 892
SALT MARSH 66
SAMPLING 883, 901, 907
SANTA GERTRUDIS 492,
492, 493, 493

SAWDUST 568
SCUD 1033
SEEDS AND SEEDING 13,
19, 31, 96, 120, 193, 209, 262,
265, 270, 279, 316, 337, 926,
995
SEYMERIA 45, 49, 676
Seymeria cassioides 49
SHEEP 229, 461, 642
SHORTHORN 505, 523
SHRUB 34, 720, 734
SILAGE 21, 282, 551
SITE CONVERSION 1032
SKYLAB 820
SLASH PINE 74, 78, 111,
373, 672, 678, 724, 860
SMOKE 681, 743, 747, 748
SMUTGRASS 41, 418, 435
SOIL 68, 70, 71, 72, 141, 160,
323, 327, 343, 353, 355, 356,
363, 364, 413, 456, 657, 684,
706, 709, 753, 759, 889, 893,
941

SOIL TESTING 367
SOYBEANS 557
SPITTLE BUG 114
ST. AUGUSTINE-
GRASS 216
STARGRASS 215
STEER 145, 195, 236, 308,
336, 447, 513, 538, 551, 552,
582, 583, 584, 588, 603, 609,
610, 648
STOCKER 145, 322, 329,
455, 513, 653, 796, 797
STOCKING RATE 330, 653,
780, 928
STREAM 682
SUPPLEMENTATION 534,
542, 545, 559, 560, 584, 589,
591, 595, 605, 607, 608, 611
SURFACE MINING 153,
352
SURVEY 68, 72, 791, 795,
826, 873, 897, 946, 949, 966
SWITCHGRASS 444

T

TAXES 835
TENNESSEE 5, 109, 560,
697, 720, 778
TETANY 306, 313, 618, 623,
634, 641
TEXAS 1, 8, 12, 51, 64, 73,
90, 139, 270, 298, 341, 403,
692, 833, 950, 952, 975, 977,
1005, 1016
THINNING 377
THREEAWN 140, 442, 731
TIMBER 69, 90, 280, 383,
404, 664, 680, 689, 867, 877,
931
TIMOTHY 183, 365

TORDON 10K 404
TOXICITY 42, 44, 47, 619,
642, 654
TRITICALE 308
TROPICAL 13, 167, 178, 200,
211, 291, 340, 837
TURKEY 984, 1000, 1004,
1011, 1043

U

UNDERSTORY 62, 63, 684,
718, 890
UNDESIRABLE
PLANTS 123
UREA 359, 545, 552, 583, 595

V

VETCH 193
VETERINARY 617, 619
VIRGINIA 129, 770, 832,
1004, 1021

W

WATER 95, 150, 358, 360,
550, 569, 626, 698, 700, 706,
707, 714, 929
WATERSHED 91, 699, 704,
779
WEANING 473, 481, 493,
505, 519, 522, 587
WEANING WEIGHT 487
WHEAT 171, 309
WILDLIFE 14, 71, 132, 138,
669, 677, 717, 762, 816, 857,
862, 864, 866, 867, 870, 877,
887, 918, 931, 955, 957, 958,
962, 964, 965, 968, 972, 975,
978, 980, 985, 987, 988, 997,
1000, 1004, 1011, 1013, 1020,
1030, 1040, 1042, 1048
WIREGRASS 25, 74, 269
WOOD 548
WOODLAND 310, 826, 985

Y

YEARLING 157, 308, 586

Z

ZEBU 498, 894

PEARSON, H.A.; R.D. CHILD; E.K. BYINGTON; H.E. GRELEN; and C.E. LEWIS

1980. Selected bibliography on southern range management, 1973-1978. U.S. Dep. Agric. For. Serv. Gen. Tech. Rep. SO-31. 61 p. South. For. Exp. Stn. New Orleans, La.

Contains 1049 entries, classified by subject matter, and with indexes of authors and keywords.

Additional keywords: livestock, forage plants, wildlife, range ecology, forest grazing.