



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

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NEW BOOKS

AMERICA'S SHEEP TRAILS: HISTORY, PERSONALITIES, By E. N. Wentworth. 667 p. Iowa State College Press 1948 45 W48A

A complete history of the development of our sheep industry written in colorful style by a man who knows the livestock industry probably as well as any man in America today. Of particular interest are the stories of the development of commercial feedings, the organizing of the business of raising sheep, the financing of activities, the origin and influence of the Merino Wave, the long fight against diseases, the development of wool and mutton animals, the heated controversy over grazing on the public lands, and the cattle-sheep wars.

In portraying the drama of the sheep industry the author stresses the human element throughout. The book has almost every type of life in it - romance and adventure, humor and tragedy, heroism and endurance, cruelty, greed, and idealism. It is an interesting story well told.

AS YOU SOW, By W. R. Goldschmidt. 288 p. Harcourt, Brace 1947 281.010 G57

A study of the effect of industrialized farming on the American way of life. Mr. Goldschmidt's account of three California communities proposes three fundamental principles for farm policy. First, full utilization of American productive capacity; second, preservation of natural resources; third, the promotion of equity and opportunity for those whose life work is devoted to the production of agricultural commodities.

BULBS FOR HOME GARDENS, By J. C. Wister. 270 p. Oxford Univ. Press 1948 96.4 W76

Following a general discussion of culture and types of bulb gardening the author gives detailed information on bulbs for the rock garden and the wild garden. There are chapters devoted to the crocus, hyacinths, daffodils, tulips, lilies and gladiolus.

THE EARTH'S GREEN CARPET, By Louise E. Howard. 258 p. Rodale Press 1947 30 H83

Mans' existence, the author believes, depends on the use he makes of plants - the Earth's Green Carpet. Mrs. Howard, wife of the late Sir Albert Howard, presents a short popular account of the ideas inspiring the work of her husband in the field of organic farming and gardening. Her thesis, as was his, is that soil fertility must be maintained by aiding Nature in returning to the soil all her wastes; not by the use of chemical fertilizers on the land. The Indore Process of composting is discussed and is described in detail in the Appendix which gives instructions for making compost for the farm and garden by this process. There is also a selected list of books on humus and composting, erosion and grassland management.

The author sets forth some important fundamentals of engineering soil science. He proceeds from a brief review of the history of the subject to a definition of terms, and then discusses the following physical properties of soil: internal friction, cohesion, capillarity, plasticity, permeability, compressibility, shrinkage and elasticity. There are a number of plates, charts and tables to explain the text.

FARMING AND DEMOCRACY, By A. W. Griswold. 227 p. Harcourt, Brace 1948 281 G88

"This lively book questions one of the sturdiest dogmas of the American political faith - the belief that the independent farmer tilling his own land is 'the backbone of democracy.'... Mr. Griswold tests the theory by tracing the history of farming and democratic progress over the past century and a half in the three great western democracies - Great Britain, France, and the United States. His conclusions will be surprising... What the American farmer needs, says Mr. Griswold in a concluding chapter, is not a government subsidy for his vote as a 'free American', but a realistic replanning of American farming to fit the needs and receive the full benefits of twentieth century democracy." from the book jacket

FEEDS AND FEEDING, By F. B. Morrison. 1207 p. 21st Ed. Morrison Pub. Co. 1949.
389.7 M833

A new edition of the well known handbook on livestock feeding. Part I presents briefly the fundamental principles of animal nutrition. Part II gives comprehensive information concerning the composition, properties, and use of all important feeding stuffs. Part III presents the most important facts on the nutrition, feeding, care, and management of the various classes of livestock, including poultry.

New and complete compilations of data concerning the composition of all important feeding stuffs have been made for the Appendix Tables.

FOREST PROTECTION, By R. C. Hawley and P. W. Stickel. 355 p. 2nd ed. Wiley
1948 99.5 H31

The subject of protection from forest fires, forest insects and forest diseases, is considered in its entirety. The authors select the more destructive injurious agencies and present for each the following information: description of the damage caused, character of the injurious agency, discussion concerning the method of control. There are chapters on "Protection Against Domestic Animals: Grazing" and "Protection Against Wildlife".

FUTURE FOOD AND AGRICULTURE POLICY, By J. D. Black 348 p. McGraw-Hill 1948
281 B56F

Here is a sound appraisal of a vital topic - the food and agricultural problems that face the United States and the world. The book presents the important facts of the present situation and offers a long-range plan for solving shortages and spreading the food supply. The text covers new developments in nutrition and food efficiency; new information and analysis of the food supply and the diets of different countries; and new material on food producing potentials in relation to population and growth.

GROWTH OF PLANTS - TWENTY YEARS' RESEARCH AT BOYCE THOMPSON INSTITUTE, By William Crocker. 459 p. Reinhold 1948 463.36 C87

A carefully documented and exhaustive description of the major problems relating to plant growth undertaken at Boyce Thompson Institute since its foundation. The book contains a wealth of technical information which will be of interest to agronomists, botanists, fruit and vegetable growers, fungicide and insecticide technologists, horticulturists, plant physiologists, seedsmen and soil technologists..

INORGANIC CHEMISTRY, By W. N. Jones 817 p. Blakiston 1947 386 J722

A first-year college textbook. The author begins with theoretical material and then presents the descriptive matter. The book contains a 49 page supplement of questions and problems, divided by chapter. Includes portraits and brief biographical sketches of important chemists.

MALABAR FARM, By Louis Bromfield 405 p. Harper 1948 31.3 B78M

If you have read the author's Pleasant Valley you will want to read this book in which he carries forward the narrative of The Farm.

Here is the story of day-by-day labor and planning at Malabar. Woven into the story is much useful and interesting information on a variety of agricultural subjects - why grass silage is easier and cheaper to produce than corn silage - how the balance of life is maintained in fish ponds - how healthy vegetables are grown without using insect sprays - how alfalfa helps to break up hard soils and improves drainage - how bare, woody, soil-eroded fields have been reclaimed and made to bloom. There are chapters which expand Bromfield's beliefs on the right and wrong way of farming, and the perils of famine which threaten great areas of the world and may even touch America.

MAMMALS OF NORTH AMERICA, By V. H. Cahalano. 682 p. Macmillan 1947 412.1 C11M

This well illustrated book is a complete popular guide to North American mammals. The author, Chief Biologist of the National Park Service, writes about the various species in a readable, often humorous style. He has divided the animals into families - the wild pig, the deer family etc. and describes the life histories, habits, distinguishing characteristics, habitats, and ranges of each. There is a bibliography of literature relating to mammals which those working with the wildlife of the region will find valuable.

MARCHING WITH THE GRASSES, By R. J. Pool. 210 p. Univ. of Nebraska press 1948 60.1 P78

The march of civilization is the march of grasses. This book describes the role that wild and cultivated grasses have played in the slow evolution of human society. Tracing significant and fundamental patterns which figure in man's upward struggle towards a better life, the author examines the grasses and their contribution to the cultures prevalent in their native regions. The book also discusses global distribution, history, classification and evolution of these plants and their many distinctive products.

NORTH FROM MEXICO, THE SPANISH-SPEAKING PEOPLE OF THE UNITED STATES, By Carey McWilliams. 324 p. Lippincott 1949 138 M25N

Beginning with the early legends and facts of Anglo-Hispano culture, the book covers a sweeping drama of events and people in the borderlands of Mexico and the United States. It provides an industrial, agricultural and social coverage of the Southwest, pointing out the cultural and practical contributions the 2,500,000 Spanish-speaking Americans have made to the nation, and revealing the problems of race discrimination still to be solved.

PLOWSHARES INTO SWORDS; AGRICULTURE IN THE WORLD WAR AGE, By A. P. Chew 227 p. Harper 1948 281 C42

The author, USDA Information Specialist, presents a new and provocative concept of the economics of agriculture and industry in relation to world stability. The book develops the theme that one of the most persistent causes of international conflict is the search for farm land which is provoked when nations have over-developed their industrial activities and do not find it readily possible to exchange their industrial goods for food. How, when and where an imbalance of world rural-urban relations occurs and the ways in which it can be corrected, are studied.

REPORTS

Several more HOOVER REPORTS have been received:

Department of the Interior. 94 p. March 1949
Federal Business Enterprises. 129 p. March 1949
Revolving Fund and Business Enterprises of Government 176 p. Jan. 1949
Task Force Report on Natural Resources. 244 p. Jan. 1949
Treasury Department. 37 p. March 1949

Experiment Station Reports:

Agricultural Research Preserves Food and Food. Colorado Agr. Exp. Sta.
61st Annual Report 1947/48

Science Serving Agriculture - Research Progress. Oklahoma Agr. Exp.
Sta. Biennial Report 1946-1948

U.S. Forest Service. Rocky Mountain Forest and Range Exp. Sta.
Annual Report 1948

Report of the Secretary of Agriculture 1948. 1 Ag 84

PERIODICAL NOTES.

Three periodicals have been added to our list. Let us know if you wish to see those on circulation.

Colorado Rancher and Farmer. Mo. A farm paper. Signed articles and regular departments on farming, ranching and homemaking in the Rocky Mountain area.

Farm Policy Forum. Q A digest of timely views on today's problems of food and agriculture. Published by the Iowa State College Press.

Agricultural Economics Research Q Published by the U.S. Bureau of Agricultural Economics. Signed articles reporting: results or findings of research carried forward by BAE; new research methods and techniques; new or expanding areas of research or statistical fact-gathering. There is a Book Review department and a section listing recent research publications in agricultural economics.

Agronomy Journal is the new title of The American Society of Agronomy Journal.

Survey Graphic is now called The Survey.

The following are available for special field loans. These periodicals are no longer circulated on routing lists:

ARIZONA HIGHWAY January, February, March 1949

Consumer Union Reports January, February, March 1949

New Mexico Magazine January, February, March, April 1949

Rocky Mountain Life January, February, March 1949

PACKET SERVICE

The response to the Packet extension program announced in the Jan/Feb. issue of the Newsletter was very good. The greatest demand was for packets on soil fertility, irrigated pastures, range management, and range reseeding. Selection of publications on these subjects is now underway and we plan to begin this service in May. Other subjects will be added as rapidly as we can select and assemble the material.

AGRICULTURAL ECONOMICS

- AGRICULTURAL POLICY: Colo. Ext. Circ. 1614 1949 275.29 C71C
 FARM ORGANIZATION AND PRODUCTION REQUIREMENTS IN SELECTED IRRIGATED AREAS. Mont. Agr. Exp. Sta. Bul. 453 1948 100 M76B
 STUDY OF FARMS IN OKLAHOMA BY SIZE AND ECONOMIC CLASS. Okla. Agr. Exp. Sta. Bul. B-330 1949 100 Ok4b
 WORLD FOOD SITUATION 1949 U.S. Office of Foreign Agric. Relations WFP-1-49 1949

AGRICULTURAL ENGINEERING

- BARN MOW HAY DRYING IN CALIFORNIA. Calif. Ext. Circ. 149 1949 275.29 C12C
 CONSTRUCTION AND ARRANGEMENT OF MILK PLANTS. USDA Circ. 800 1949 1 Ag84C
 DISK PLOWS AND THEIR OPERATION. USDA Farmers' Bul. 1992 1948 1 Ag84F
 PLANNING THE ELECTRIC WATER SYSTEM AND PLUMBING FOR YOUR FARMSTEAD. USDA Misc. Pub. 674 1949 1 Ag84M

CROPS - SEEDS - WEEDS

- ALFALFA - PRODUCTION PRACTICES AND COST COMPARISONS. Ariz. Agr. Exp. Sta. Bul. 215 1948 100 Ar4B
 CHEMICAL WEED-CONTROL EQUIPMENT. Calif. Agr. Exp. Sta. Circ. 389 1948 100 C12Sc
 DISEASES OF CABBAGE AND RELATED PLANTS. USDA Farmers' Bul. 1439 1948 1 Ag84F
 DORMANCY AND THE EFFECT OF STORAGE ON OATS, BARLEY, AND SORGHUM. USDA Tech. Bul. 953 1948 1 Ag84To
 1517B, A NEW STRAIN OF 1517 COTTON FOR THE RIO GRANDE VALLEY. N. M. Agr. Exp. Sta. Pross Bul. 1027 1949 100 M46Sp
 GROWING DRY BEANS IN THE WESTERN STATES. USDA Farmers' Bul. 1996 1947 1 Ag84F
 GROWING ERECT AND TRAILING BLACKBERRIES. USDA Farmers' Bul. 1995 1948 1 Ag84F
 GROWTH AND DISEASES OF GUAR. Ariz. Agr. Exp. Sta. Bul. 216 1948 100 Ar4B
 HOME VEGETABLE GARDENING. Calif. Agr. Ext. Serv. Circ. 26 Rev. 1948 275.29 C12C
 MARKET DISEASES OF FRUITS AND VEGETABLES - POTATOES. USDA Misc. Pub. 98 1949 Rev. 1949
 PRODUCTION OF DRUG AND CONDIMENT PLANTS. USDA Farmers' Bul. 1999 1948 1 Ag84F
 REPORT OF THE ELEVENTH ALFALFA IMPROVEMENT CONFERENCE. August 20-21, 1948. Lincoln, Neb. Report by H. M. Tysdal. WFC
 ROSE CULTURE IN CALIFORNIA. Calif. Ext. Serv. Circ. 148 1948 275.29 C12C
 STRAWBERRY CULTURE, WESTERN UNITED STATES. USDA Farmers' Bul. 1027 Rev. 1948 1 Ag84F
 STUDIES AND OBSERVATION ON THE CAUSES AND CONTROL OF CHLOROSIS. Colo. Agr. Exp. Sta. Misc. Paper no. 357 100 C71M
 UNIFORM ALFALFA NURSERIES. 1948 Report. U.S. Bur. Plant Ind., Soils & Agr. Eng. 1948 1.9 P691Rep
 VETCH CULTURE AND USES. USDA Farmers' Bul. 1740 Rev. 1949 1 Ag84F

ENTOMOLOGY

- AIRCRAFT FOR SPRAYING AND DUSTING. U.S. Bur. of Ent. and Plant Quar. EC-2 1948 1.967 A2Ecl
 CONTROL OF THE PALE WESTERN CUTWORM IN THE SOUTHERN GREAT PLAINS REGION. U.S. Bur. of Ent. and Plant Quar. E-519 1940 1.9 En83
 CONTROL OF WIREWORMS IN IRRIGATED LANDS WITH ETHYLENE DIBROMIDE. U.S. Bur. of Ent. and Plant Quar. EC-6 1948 1.967 A2Ecl
 GRASSHOPPER CONTROL IMPROVED BY NEW INSECTICIDES. U.S. Bur. of Ent. and Plant Quar. EC-7 1949 1.967 A2Ecl
 INFORMATION ABOUT BEE CULTURE. U.S. Bur. of Ent. and Plant Quar. E-276 Rev. 1948
 THE NEW INSECTICIDES FOR CONTROLLING EXTERNAL PARASITES OF LIVESTOCK. U.S. Bur. of Ent. and Plant Quar. E-762 1948 1.9 En83

ENTOMOLOGY (Cont.)

- PRELIMINARY TESTS ON N-SUBSTITUTED p-NITROBENZAMIDES AS INSECTICIDES. U.S. Bur. of Ent. and Plant Quar. E-764 1948 1.9 En83
- RIDDING THE GARDEN OF COMMON PESTS. Calif. Ext. Serv. Circ. 146 1948 275.29 C12C
- STUDIES WITH DDT AS A CONTROL FOR WIREWORMS IN IRRIGATED LANDS - PROGRESS REPORT. U.S. Bur. of Ent. and Plant Quar. E-765 1948 1.9 En83
- TESTS WITH DDT ON HONEY BEES IN SMALL CAGES. U.S. Bur. of Ent. and Plant Quar. E-763

FORESTRY

- COTTONWOOD RAILWAY TIE TEST COMPLETED. Northern Rocky Mt. For. and Range Exp. Sta. Research Note 67 1948 1.9622 N3R31
- FORESTS AND NATIONAL PROSPERITY. A Reappraisal of the Forest Situation in the United States. Misc. Pub. 668 1948 1 Ag84M
- PENTACHLOROPHENO FOR INDUSTRY. The Dow Chem. Co. c1947 U.B. Wood
- POST PRESERVATION PAYS. The Dow Chemical Co. U.B. Wood
- SOME PRINCIPLES OF VISIBILITY AND THEIR APPLICATION TO FOREST FIRE DETECTION. USDA Tech. Bul. 954 1948 1 Ag84Tc
- SPECIFICATIONS FOR KNOTTY WESTERN WHITE PINE VENEER FLITCHES. U.S. Northern Rocky Mt. For. and Range Exp. Sta. Research Note 68 1948 1.9622 N3R31
- SPECIFICATIONS FOR WESTERN LARCH PEELER LOGS. U.S. Northern Rocky Mt. For. and Range Exp. Sta. Research Note 69 1948 1.9622 N3R31
- A STUDY OF STOCKING SURVEY SYSTEM AND THE RELATIONSHIP OF STOCKING PERCENT AS DETERMINED BY THIS SYSTEM TO NUMBER OF TREES PER ACRE. Oregon State Board of Forestry. Research Bul. 1 1949 WFC

RANGE & PASTURE

- PRELIMINARY REPORT THE COCHRAN AIRPLANE SEEDING EXPERIMENT. Oregon State Board of Forestry. Research Bul. 2 1949 WFC
- RANGE AND PASTURE STUDIES AND GRAZING RECOMMENDATIONS FOR THE SOUTHERN GREAT PLAINS. Panhandle Agr. Exp. Sta. Bul. 67 1944 100 Ok42
- A SELECTED BIBLIOGRAPHY OF RANGE MANAGEMENT LITERATURE PUBLISHED IN 1947. U.S. Northern Rocky Mt. For. & Range Exp. Sta. Vol. 1, no. 2 1948 1.9622 N3Sc4
- SWEET CLOVER MANAGEMENT IN A PASTURE SYSTEM. Mo. Agr. Exp. Sta. Circ. 323 100 M693

SOILS & FERTILIZERS

- ABSTRACTS OF RECENT PUBLISHED MATERIAL ON SOILS AND WATER CONSERVATION SCS 1949. Supersedes the publication entitled "Research Summaries".
- BIBLIOGRAPHY OF LITERATURE ON POTASH AS A PLANT NUTRIENT. Reviewed April 1941 through June 1941. 85 p. Amer. Potash Inst., Inc. 1948 U.B. Bibliography
- THE ECOLOGY OF EARTHWORMS IN CROPLAND, By Henry Hopp. Reprint from Soil Sci. Soc. of Amer. Proc. 1947, Vol. 12
- FERTILIZER RECOMMENDATIONS FOR OKLAHOMA CROPS. Okla. Agr. Exp. Sta. Bul. B-326 1949
- INFLUENCE OF EARTHWORMS ON SOIL PRODUCTIVITY, By Henry Hopp and C.S. Slater. Reprint from Soil Science Dec. 1948
- LIQUID AMMONIA AS A FERTILIZER. U.S. Bur. of Plant Ind., Soils and Ag. Eng. 1948
- SUGGESTIONS FOR IMPROVING SLICK-SPOT SOILS. Okla. Agr. Exp. Sta. Bul. B-329 1949

WATER

- DISCHARGE AND RUNOFF IN THE MISSOURI RIVER BASIN. U.S. Geol. Survey Circ. 37. 1948
- EFFECT OF TIMBER CUTTING ON WATER AVAILABLE FOR STREAM FLOW FROM A LODGEPOLE PINE FOREST. USDA Tech. Bul. 968 1948 1 Ag84Tc
- EXPLANATION AND INTERPRETATION OF ANALYSES OF IRRIGATION WATERS. USDA Circular 784 1948 1 Ag84c
- IRRIGATION FOR OKLAHOMA. Okla. Agr. Exp. Sta. Circ. C-131 1948 100 Ok4c

IMPORTANT NOTICE

WHAT DO YOU THINK OF YOUR LIBRARY?

Miss Mildred Benton, Chief of the Division of Field Library Services is making a survey of field library service needs. We would like to have your comments on the service, suggestions for improving it, and statements as to your needs.

Some of the points to be covered in the survey are book and periodical needs; photoprint service; reference and bibliographic services, and other special services.

Are you receiving the books and periodicals you need to keep informed of agricultural programs, developments and methods?

Are the publications you receive from the Library helping you to do a better job? If so how?

To what extent do you depend on the Library for "news" of printed information on your subject interests? We would like your comments on the use of the Bibliography of Agriculture, The Albuquerque Branch Newsletter, and other bibliographical sources.

Do you know about the photoprint service? The reference and bibliographic services? Are you using them? Do you find them satisfactory? If not, how can they be improved?

Are there other services you believe the library could and should supply?

Write your comments on this page and send it to the Library. We would like to hear from you by May 1.

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