

● RADIO ●

April 28, 2:15 p. m., E.S.T.

FARM ANIMALS—IMPROVED MODELS—Dr. John R. Mohler, Chief of the Bureau of Animal Industry, U. S. Department of Agriculture.

May 5, 2:15 p. m., E.S.T.

TESTING FABRICS WE BUY—Warren E. Emley, of the National Bureau of Standards.

In the Science Service series of radio discussions led by Watson Davis, Director, over the Columbia Broadcasting System.

Meteorology

STUDIES OF RELATIONS OF RAINFALL AND RUN-OFF IN THE UNITED STATES—W. G. Hoyt and others—*Govt. Print. Off.*, 301 p., 25c. Geological Sur. Water-Supply Paper 772. A very timely reference work, which will have wide use in soil conservation, forestry, flood protection and prevention engineering, and many allied applications. Besides thorough general discussion there are detailed accounts of typical special cases in all parts of the country.

Science News Letter, April 25, 1936

Ornithology

A KEY TO SPECIES OF AMERICAN OWLS—Leon Kelso—publ. by author, 101 p., 7 pl., \$2. Special students of this interesting and important group of birds, and indeed ornithologists generally, find this a complete analytical treatment of the group, the first covering its field since Ridgeway's work, published in 1914 and now out of print.

Science News Letter, April 25, 1936

Metalcraft

METALCRAFT FOR AMATEURS—Peter Manzoni—*Beacon Press*, 136 p., \$1. Well-written shop notes for those who wish to do metal working as a handicraft.

Science News Letter, April 25, 1936

Forestry

DECAY FOLLOWING FIRE IN YOUNG MISSISSIPPI DELTA HARDWOODS—George W. Hepting—*Govt. Print. Off.*, 32 p., 5c. A brief but pertinent discussion of a major problem in the management of an important type of timber in the South.

Science News Letter, April 25, 1936

Electricity

ELECTRICAL MEASUREMENTS IN PRINCIPLE AND PRACTICE—H. C. Turner and E. H. W. Banner—*Instruments Pub. Co.*, 354 p., \$4.50. A British text designed for use by engineers who are concerned primarily with the applications of electrical measuring apparatus.

Much of the mathematical treatment necessary in books for students and research workers is thus eliminated. The principles of operations as well as the restrictions and limitations of the equipment are given.

Science News Letter, April 25, 1936

Electricity

ELECTRICITY IN THE HOME AND ON THE FARM—Forrest B. Wright—*Wiley*, 320 p., \$2.50. In one-syllable words that anyone can understand Professor Wright gives detailed instruction on how to be your own electrician at home and on the farm. The index runs from alarm systems to making Western Union splices. Any husband, after reading this book, can amaze his wife with his ability as an electrical handy-man.

Science News Letter, April 25, 1936

Mathematics

COMMERCIAL ALGEBRA, COLLEGE COURSE—Bolling H. Crenshaw, Thomas Marshall Simpson, Zareh M. Pirenian—*Prentice-Hall*, 174 p.; tables, 19 p.; answers, vii p., \$2. A textbook which is of a more utilitarian nature than the traditional college course in the subject. Designed for persons who are going into business, the technical expressions of algebra are held to a minimum.

Science News Letter, April 25, 1936

Ichthyology

FLORIDA FISHES—Harold L. Madison—*Cleveland Museum of Natural History*, 31 p., 25c. A handy little booklet-manual in an envelope, margin-punched to fit the Lefax type of notebook; therefore very convenient to take along on a fishing trip—if your good luck takes you to Florida waters. Short descriptions and clean-cut little illustrations will help you identify the strange, and often beautiful, fish that you catch.

Science News Letter, April 25, 1936

Entomology

A MONOGRAPHIC REVISION OF THE GENUS CEUTHOPHILUS—T. H. Hubbell—*Univ. of Florida*, 551 p., 38 pl., \$3.75. A study of a peculiar group of cricket-like insects, often held to be rare but probably merely very elusive, that will be of high interest to systematic entomologists. Prof. Hubbell has made this a model of what monographic treatment of a taxonomic subject should be.

Science News Letter, April 25, 1936

Physics

ATOMIC PHYSICS—Max Born—*Steckert*, 352 p., \$4.75. An English translation of Prof. Born's widely read German text of 1933 which has been brought up to date and contains a new chapter on the recently discovered new atomic particles and a discussion of the properties of the nucleus.

Science News Letter, April 25, 1936

Chemistry-Engineering

AMERICAN PETROLEUM INDUSTRY, A SURVEY OF THE PRESENT POSITION OF THE PETROLEUM INDUSTRY AND ITS OUTLOOK TOWARD THE FUTURE—*American Petroleum Institute*, 229 p., Paper, 50c., Cloth, \$1. Facts and figures on the petroleum industry which brings the last figures (vintage 1925) up to date. A handy reference volume about one of America's greatest industries.

Science News Letter, April 25, 1936

Geology

REPORTS ON THE GEOLOGY OF CAMERON AND VERMILION PARISHES—*Louisiana Geological Survey*, 242 p., \$1.00.

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● "In certain industries technical advances are so rapid that tools and processes are being improved constantly. In other industrial groups the products are changed frequently as the result of scientific discoveries. The automobile and the radio are examples of this rapid development and improvement through research. Not only has the motor-car industry taken full advantage of the possibilities of its own research organizations, but its spectacular expansion has given stimulus to other classes of industrial research, such as petroleum products, rubber, metals, leather, synthetic fabrics, synthetic resins, lacquers, and safety glass, as well as road materials. The automobile as a unit has probably reached a stage of 10 per cent development. In the same light, we can regard the radio as but a month in age and television only a day old, with unlimited possibilities for future improvement."—Edward R. Weidlein and William A. Hamor in *GLANCES AT INDUSTRIAL RESEARCH* (*Reinhold Pub. Corp.*).

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