

● First Glances at New Books

Protistology

THE MYXOMYCETES—Thomas H. Macbride and G. W. Martin—*Macmillan*, 339 p., 21 pl., \$6. The late Dr. Macbride, like Copernicus, just lived to see the completion of this, his *magnum opus*, which was carried through to publication by his thorough and careful younger collaborator. The subtitle: "A descriptive list of the known species with special reference to those occurring in North America," tells its own story of the expansion of the field of the present work over that of Dr. Macbride's earlier myxomycete book, "The North American Slime Moulds." Although the preface modestly disclaims finality, botanists generally will gladly disagree to the extent of recognizing it as "final—to date," on matters concerning these most interesting, but to most of us most obscure, plant-animals.

Science News Letter, June 30, 1934

Forestry

IDENTIFICATION OF THE TIMBERS OF TEMPERATE NORTH AMERICA—Samuel J. Record—*Wiley*, 196 p., 6 pl., \$3. This is a book that will be very useful to the student now preparing for service in the forests which America is undertaking to rebuild, and also to his elder brother already in the field. It is a thoroughly scientific treatment, approaching the problem from a solidly phylogenetic viewpoint, and thus insuring its success. The first part comprises a general and thorough-going discussion of wood structure; the second, an annotated "keying-out" of the various kinds of wood native to this continent.

Science News Letter, June 30, 1934

Geophysics

APPLIED GEOPHYSICS IN THE SEARCH FOR MINERALS—A. S. Eve and D. A. Keys—*Macmillan*, 296 p., \$4.25. Second edition of a book of interest to geologists generally, and of great practical value to mining and oil geologists in particular. It tells the *why* for the research student, and the *how* for him who seeks mineral or oil.

Science News Letter, June 30, 1934

Botany

TREES OF THE SOUTHEASTERN STATES—W. G. Coker and H. R. Totten—*Univ. of North Carolina Press*, 399 p., \$2. Nowhere in the world, at least in the more accessible parts of the world, will so rich a temperate-zone forest flora be found as in the southeastern

United States. Yet hitherto a good book that would enable scientist and intelligent layman alike to find his way about in this wonderful forest country has been lacking. The present authors supply that lack, just as the New Deal begins to stress the importance of forestry, as well as forest recreation, in that very region.

Science News Letter, June 30, 1934

Physical Chemistry

THE KINETICS OF REACTIONS IN SOLUTION—E. A. Moelwyn-Hughes—*Oxford University Press*, 313 p., \$5. Not many years ago the kinetic theory was believed to be restricted to the comparatively few reactions which occur in gases. The author, who is lecturer of Trinity College, Oxford, has written this book to show that reactions in solution—that is, the phenomena of chemical change in general—can profitably be examined in the light of the kinetic theory. It is a comprehensive treatment.

Science News Letter, June 30, 1934

Physics

EXPOSÉS DE PHYSIQUE THÉORIQUE: Pt. X LES PRINCIPES DE LA MÉCANIQUE GÉNÉRALE — Jean-Louis Destouches—53 p., 15 fr.; Pt. XI, RELATIONS D'INCERTITUDE EN GÉOMÉTRIE ET EN PHYSIQUE—M. Georges Bouligand—28 p., 9 fr.—*Hermann et Cie., Paris*.

Science News Letter, June 30, 1934

Zoopsychology

A FIELD STUDY OF THE BEHAVIOR AND SOCIAL RELATIONS OF THE HOWLING MONKEYS—C. R. Carpenter—*Johns Hopkins Press*, 168 p., \$2.25. Probably the noisiest of primates (not excepting even Man) the howling monkeys have also proved to be one of the most interesting, as a source of data on comparative behavior among our tree-top cousins.

Science News Letter, June 30, 1934

Radio

THE FUTURE OF RADIO AND EDUCATIONAL BROADCASTING—Levering Tyson and Judith Waller—*University of Chicago Press*, 32 p., 25c.

Science News Letter, June 30, 1934

Mental Hygiene

MENTAL HYGIENE OF THE SCHOOL CHILD—Percival M. Symonds—*Macmillan*, 321 p., \$1.50. Intended for teachers, this volume is extremely valuable to anyone having contact with growing personalities. Emphasis is placed on the positive aspect, the prevention of mental and emotional distortions, the healthy development of the child. Specific instances are given of correct mental habits to encourage. The chapters are short and pithy and followed by thought-provoking questions.

Science News Letter, June 30, 1934

General Science

GUIDEBOOK OF THE WESTERN UNITED STATES: PART F: SOUTHERN PACIFIC LINES, NEW ORLEANS TO LOS ANGELES—N. H. Darton—Govt. Print. Off., 304 p., 29 folded maps, 49 pl., \$1. A worthy companion-volume to the older books that guided the traveler along the northern railway lines, and a most interesting companion to have along on a train trip from the South to the Southwest. Mile by mile it tells you of the geology, botany and zoology of the country, of its natural resources, of towns and settlements, of salient historical facts.

Science News Letter, June 30, 1934

Ornithology

CHECK-LIST OF BIRDS OF THE WORLD, VOL. II—James Lee Peters—*Harvard Univ. Press*, xvii+401 p., \$4. Ornithologists will welcome this second volume of what will undoubtedly be a work monumental in its scope and beyond estimation in its usefulness. The present volume includes birds from Megapodes to Auks.

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Medicine

RECENT ADVANCES IN VACCINE AND SERUM THERAPY—Alexander Fleming and G. F. Petrie—*Blakiston's*, 463 p., \$4. This latest of the recent advances series will prove a valuable handbook for physicians and other medical scientists but is too technical for the non-scientific reader.

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