

• First Glances at New Books

Additional Reviews
On Page 176

Engineering

THE STORY OF MAN'S QUEST FOR WATER—Jasper Owen Draffin—*Garrard Press*, 232 p., \$1.75. In most areas of the modern world water is no longer, like the air, free. And when you see the trouble, time and expense which man has spent and is spending to get good water you can realize the reason why. The author is professor of theoretical and applied mechanics at the University of Illinois.

Science News Letter, September 9, 1939

Physics

SUPERSONICS: The Science of Inaudible Sounds—Robert Williams Wood—*Brown Univ. Press*, 158 p., \$2. (Charles K. Colver lectures, 1937) These lectures for the layman give a simple, yet eloquent, story of the strange properties of those sounds we cannot hear.

Science News Letter, September 9, 1939

Biology

MOLLUSKS COLLECTED ON THE PRESIDENTIAL CRUISE OF 1938—Paul Bartsch and Harald Alfred Rehder—*Smithsonian Institution*, 18 p., 5 pl., 15c. A NEW HOLOTHURIAN OF THE GENUS THYONE COLLECTED ON THE PRESIDENTIAL CRUISE OF 1938—Elisabeth Deichmann—*Smithsonian Institution*, 7 p., 5c.

Science News Letter, September 9, 1939

Biology

MICROBIOLOGY IN THE PRESERVATION OF THE HEN'S EGG—R. B. Haines—*British Library of Information*, 65 p., 75c.

Science News Letter, September 9, 1939

Botany

FOREST AND FUNGUS SUCCESSION IN THE LOWER YUKON VALLEY—Dow V. Baxter and Frank H. Wadsworth—*Univ. of Michigan Press*, 52 p., 25c.

Science News Letter, September 9, 1939

Conservation

OUR NATURAL RESOURCES AND THEIR CONSERVATION (2d. rev. ed.)—A. E. Parkins and J. R. Whitaker—*Wiley*, 647 p., \$5.

Science News Letter, September 9, 1939

Ornithology

LIFE HISTORIES OF NORTH AMERICAN WOODPECKERS: Order Piciformes—Arthur Cleveland Bent—*Govt. Print. Off.*, 334 p., 39 pl., 50c. (U. S. National Museum Bulletin 174.)

Science News Letter, September 9, 1939

Biology

BIOLOGIE. Pt. 1—Richard Kuhn, Otto Warburg, D. Keilin, John H. Northrop,

F. C. Bawden, N. W. Pirie and D. M. Wrinch, 81 p., 25 fr.; Pt. 2—Joseph Needham, C. H. Waddington, Johannes Holtfreter, Jean Brachet, H. J. Muller, N. W. Timoféeff and J. B. S. Haldane, 111 p., 25 fr.—*Hermann et Cie., Paris*.

Science News Letter, September 9, 1939

Biology

RECHERCHES SUR QUELQUES PROBLÈMES DE LA CARYOCINÈSE DES ANGIOSPERMES—Yu Chi-Chen—*Hermann et Cie., Paris*, 94 p., 20 fr.

Science News Letter, September 9, 1939

Horticulture

BEGONIAS—Bessie Raymond Buxton—*Hale, Cushman & Flint*, 128 p., plates, \$1.

Science News Letter, September 9, 1939

Psychology

PRINCIPLES OF GENERAL PSYCHOLOGY—Ellis Freeman—*Holt*, 530 p., \$2.75. An elementary textbook in which the author has "avoided any attempt to tell professional colleagues what psychology may be; but I have tried to give a workable impression of it to students." In the course of presenting principles, practical questions are answered. Dr. Freeman uses gestalt conceptions in learning and perception mainly, where he believes them to be peculiarly effective. Elsewhere he has avoided them.

Science News Letter, September 9, 1939

Ethnology

ETHNOGRAPHIC NOTES ON THE WASHO—Robert H. Lowie—*Univ. of Calif. Press*, 52 p., 50c.

Science News Letter, September 9, 1939

Chemistry

HOW TO MAKE AND USE A SMALL CHEMICAL LABORATORY—Raymond Francis Yates; rev. by S. A. Pellerano—*Henley*, 186 p., \$1. Here is a book for beginners setting forth the fundamentals of elementary chemistry in easily understandable terms.

Science News Letter, September 9, 1939

Hygiene—Education

TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION—Charles Harold McCloy—*Crofts*, 392 p., \$3.

Science News Letter, September 9, 1939

Psychology

GENERAL PSYCHOLOGY—Lawrence Edwin Cole—*McGraw-Hill*, 688 p., \$3.50. This text by the professor of psychology at Oberlin College is one of a series of publications in psychology of which Dr. J. F. Dashiell is consulting editor.

Science News Letter, September 9, 1939

Statistics

STATISTICAL YEAR-BOOK OF THE LEAGUE OF NATIONS, 1938-39—League of Nations—*Columbia Univ. Press*, 330 p., \$2.50. Despite the world unrest, the League's non-political services, which probably will be viewed historically as its most important activity, continue their task of gathering and disseminating the facts. This is the latest annual volume of a series begun in 1927.

Science News Letter, September 9, 1939

Physiology

AN INTRODUCTION TO ANIMAL PHYSIOLOGY—W. B. Yapp—*Oxford*, 319 p., \$3. Compact but complete treatment, for students of university level, by a well-known British physiologist.

Science News Letter, September 9, 1939

Genetics

AN INTRODUCTION TO MODERN GENETICS—C. H. Waddington—*Macmillan*, 441 p., \$4. An impressive and thoroughly up-to-date text by a leading British geneticist.

Science News Letter, September 9, 1939

Entomology

THE WORLD OF INSECTS—Carl D. Duncan and Gayle Pickwell—*McGraw-Hill*, 409 p., \$3.50. Intended for popular reading, but easily meriting a place on school and college reference shelves, is this well-illustrated, informative book on the natural history of insects. It contains a considerable amount of matter not usually included in either popular or technical works on entomology.

Science News Letter, September 9, 1939

Ichthyology

SPECKLED NOMADS: A Tale of Trout in Two Rivers—H. E. Towner Coston—*Macmillan*, 299 p., \$3. The two trout lives vividly and skillfully individualized, yet not in any sense "personalized", through the author's intimate knowledge of how fish live, his consummate style, and the really magnificent illustrations. One puts down the book with the feeling that he has really known a couple of notable fish.

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Botany

TUBERALES OF NORTH AMERICA—Helen M. Gilkey—*Oregon State College*, 63 p., 50c. The interesting but little known group of fungi to which belong the Old-World truffles is here compactly monographed, so far as the North American forms are concerned. Botanists, and especially mycologists, will welcome this publication.

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Science

SCIENCE AND SOCIAL CHANGE—Jesse E. Thornton, comp.—*Brookings Inst.*, 577 p., \$3. A compilation of the best thoughts of 50 who have looked upon various aspects of science and society. The chapters, addresses and articles reprinted are grouped under the headings: Science, its Nature and Significance; Invention, Industrialism, and Business Management; Economic and Social Accompaniments of Technology, and The Outlook for a More Satisfactory Use of Scientific Knowledge.

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Paleontology

PALAEOZOIC FISHES—J. A. Moy-Thomson—*Chemical Pub. Co.*, 149 p., \$2. A small book, but one with a value out of all proportion to its size. It will be seized upon eagerly by paleontologists and ichthyologists alike.

Science News Letter, September 9, 1939

Zoology

FIELD BOOK OF ANIMALS IN WINTER—Ann Haven Morgan—*Putnam*, 527 p., \$3.50. A worthy addition to Putnam's excellent fieldbook series. Animals described range from lower invertebrates to birds and mammals. There are also several chapters on the ecological aspects of animal life in winter.

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Medicine

THE ROCKEFELLER FOUNDATION ANNUAL REPORT, 1938—*Rockefeller Foundation*, 49 West 49th Street, New York, 515 p. Free upon direct application to the foundation.

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Zoology

BATS—Glover Morrill Allen—*Harvard Univ. Press*, 368 p., \$4. This book presents so many interesting facts about bats that it should go far toward overcoming the unfortunate prejudice that many persons hold against these harmless and useful animals. It is even to be hoped that some will emulate the author and keep bats as pets.

Science News Letter, September 9, 1939

Economics—History

HUNGER AND HISTORY; The Influence of Hunger on Human History—E. Parmelee Prentice—*Harper*, 269 p., \$3. The story of mankind's long and toilsome progress from a condition in which want was the usual and normal thing to the present, wherein abundance can be enjoyed, at least in the more favored parts

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of the world. Popularly written, yet fully documented for the further guidance of those who would read more.

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Zoology

GUIDE TO THE NEW YORK ZOOLOGICAL PARK—Raymond L. Ditmars and Lee S. Crandall—*New York Zoological Soc.*, 258 p., illus., 50c. New in both text and illustrations, this guide replaces a publication of which half a million copies were sold over a period of 40 years. It is more than a guide, for it gives a condensed account of the relationships and natural history of each species in New York's great zoo.

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Conservation

CONSERVATION OF RENEWABLE RESOURCES—E. M. Dahlberg—*C. C. Nelson*, 208 p., \$1. Intended primarily as a guide for teachers, this small book can be read with profit by anyone interested in the conservation and restoration of America's wildlife, timber and other non-mineral resources. It would be a good thing, indeed, if it could be made required reading for every voter.

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Ethnology

POMO GEOGRAPHY—Fred B. Kniffen—*Univ. of Calif. Press*, 38 p., 50c. The economic geography of Pomo Indian groups in mid-western California.

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Anthropology

THE NORTHERN PAIUTE BANDS—Omer C. Stewart—*University of California Press*, 22 p., 25c. (Anthropological Records, Vol. 2, No. 3)

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Anthropology

CULTURE ELEMENT DISTRIBUTIONS: IX, GULF OF GEORGIA SALISH—H. G. Barnett—*University of California Press*, 74 p., 75c. (Anthropological Records, Vol. 1, No. 5)

CULTURE ELEMENT DISTRIBUTIONS: X, NORTHWEST CALIFORNIA—Harold E. Driver—*University of California Press*, 136 p., \$1.25. (Anthropological Records, Vol. 1, No. 6)

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Public Health

FIGHTING FOR LIFE—S. Josephine Baker—*Macmillan*, 264 p., \$2.75. A delightful autobiography of a crusader in the child welfare movement.

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Radio

BIG BUSINESS AND RADIO—Gleason L. Archer—*American Historical Co.*, 503 p., \$4. An exhaustive and detailed history of broadcasting and lesser phases of radio, accenting the financial and operating aspects. Those who deal with this manifestation of business, science and art will want to read and refer to it.

Science News Letter, September 9, 1939

Ornithology

BIRDS FROM CLIPPERTON ISLAND COLLECTED ON THE PRESIDENTIAL CRUISE OF 1938—Alexander Wetmore—*Smithsonian Inst.*, 6 p., 10c.

Science News Letter, September 9, 1939

Botany

MOSES OF THE PHILIPPINES—Edwin B. Bartram—*Bureau of Science, Dept. of Agriculture and Commerce, Manila, P. I.*, 437 p., 29 pl., \$2. A complete monographic treatment of the mosses of this important tropical archipelago, which will be welcomed by bryologists and by botanists generally.

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Regional Study—Bibliography

RECLAMATION, 1902-1928: A SUPPLEMENTAL BIBLIOGRAPHY—John J. Gaul, comp.—*Denver Public Library*, 98 p., \$1.

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Zoology

TURTLES OF THE UNITED STATES AND CANADA—Clifford H. Pope—*Knopf*, 348 p., \$3.75. A full account of this most interesting and attractive class of reptiles, scientifically complete yet popularly readable, with superb photographic illustrations.

Science News Letter, September 9, 1939

Botany

TREES OF THE SOUTH—Charlotte Hilton Green—*Univ. of North Carolina*, 551 p., \$2.50. A regional tree flora that incorporates much lore and literature along with its botany. Informally written, it can be read with pleasure by persons without formal botanical training, yet it will be useful also on the botanist's reference shelf. Excellently illustrated.

Science News Letter, September 9, 1939

Plant Pathology

ELEMENTS OF PLANT PATHOLOGY—Irving E. Melhus and George C. Kent—*Macmillan*, 493 p., \$4. A modern text, in which full advantage is taken of the latest discoveries in a rapidly expanding field of scientific knowledge and practice.

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