

• First Glances at New Books

Additional Reviews
On Page 256

Psychology

A HANDBOOK OF GENERAL EXPERIMENTAL PSYCHOLOGY—Carl Murchison, Ed.—*Clark University Press*, 1137 p., \$6. Many of the contributors to "Foundations of Experimental Psychology" are among the 20 authors of this new volume. Although it may seem somewhat technical to the lay reader, it is a reference book that every psychologist will want to own. The first section on "Adjustive Processes" contains two chapters on emotion, four on learning, one on heredity, and others of interest. The second part on "Receptive Processes" contains three chapters on vision, three on audition, one on "Chemoreception" and one on the pressure, pain, and temperature senses.

Science News Letter, October 19, 1935

Archaeology

DESIGNS ON THE PREHISTORIC POTTERY OF ARIZONA—Eleanor P. Clarke—*Univ. Arizona*, 76 p. 34 pl., \$1. Following description of various pottery types, the author analyzes the patterns, finding that 50 design elements were used 705 times on the 220 pieces of pottery studied. A number of the illustrations are beautifully done in color.

Science News Letter, October 19, 1935

Biology

STUDENT'S MANUAL IN BIOLOGY—Frederick L. Fitzpatrick and Ralph E. Horton—*Houghton Mifflin*, 155 p., 48c.

Science News Letter, October 19, 1935

Zoology

A NEW AND IMPORTANT COPEPOD HABITAT—Charles B. Wilson—*Smithsonian Institution*, 13 p., 10c.

Science News Letter, October 19, 1935

Radio

RADIO FIELD SERVICE DATA—Alfred A. Ghirardi and Bertram M. Freed—*Radio & Technical Publishing Co.*, 240 p., \$1.50. A compact companion volume to Modern Radio Servicing. Special attention is given to, and data provided for, the servicing of automobile radios.

Science News Letter, October 19, 1935

Natural History

FOOT PRINT SERIES: GIANTS OF THE ANIMAL KINGDOM, 23 p.; MONKEYS AND APES, 19 p.; STRANGE ANIMALS, 18 p.; WILD OXEN, 18 p.—H. B. Harte, \$1.00 per set, plus postage; TEACHING MANUAL FOR ABOVE, 23 p., 10c plus postage. Well-printed, well-illustrated

booklets for children, each equipped with an "Ortho-Scope" viewing screen for use with its two-color offset stereo-effect pictures.

Science News Letter, October 19, 1935

Air Travel

THE FLYING FAMILY IN GREENLAND—George R. Hutchinson—*Crowell*, 297 p., \$2. Not many children are so highly privileged (in both literal and figurative senses!) as the two little girls in this book, who were taken for a long flying trip up onto the frozen roof of the world by their adventurous parents. Even the planewreck that ended the flying, and for a while threatened to wipe out the whole party, becomes part of the adventure—once it is safely in the past.

Science News Letter, October 19, 1935

Botany

IDENTIFICATION KEY FOR THE SPRING FLOWERS OF NORTHEASTERN COLORADO—Ernest C. Smith—*B. & M. Printing Co., Fort Collins, Col.*, 43 p., 85c. A "key" for a limited habitat range, but the more useful since its particular territory is not as well covered as it might be by existing larger works.

Science News Letter, October 19, 1935

General Science

WORKBOOK MANUAL FOR FIRST YEAR SCIENCE—John C. Hessler and Henry C. Shoudy—*Benj. H. Sanborn & Co.*, 196 p., 80c.

Science News Letter, October 19, 1935

Engineering

A. S. T. M. STANDARDS ON ELECTRICAL INSULATING MATERIALS—*American Society for Testing Materials*, 311 p., \$1.75.

Science News Letter, October 19, 1935

Physics

THE THEORY OF ATOMIC SPECTRA—E. U. Condon and G. H. Shortley—*Cambridge U. Press*, 441 p., \$11. As physicists rush ahead with research and theory on the structure of the nucleus, the problems of outer parts of the atom as gleaned by studies of the line spectra are receiving less attention by the more eager and enterprising scientists. Prof. Condon and Dr. Shortley represent that group of physicists who feel that, "this interpretation (of the line spectra due to atoms) seems to us in a fairly closed and highly satisfactory state." Their comprehensive book collects and interprets the present "closed" state of the field. Certainly quantum mechanics explains a great majority of the phenomena connected with line spectra. But one may add the hope that the authors will not have to retract their views as did self-satisfied physicists of the 1890's who felt there were no more worlds to conquer and then found the phenomena of X-rays, radioactivity and cosmic rays.

Science News Letter, October 19, 1935

Medicine

NEW AND SUPPLEMENTARY FACTS AND FIGURES ABOUT TUBERCULOSIS—Comp. by Jessamine S. Whitney—*National Tuberculosis Assn.*, 46 p., 50c.

Science News Letter, October 19, 1935

Medicine

STATE HOSPITALS IN THE DEPRESSION: A SURVEY OF THE EFFECTS OF THE ECONOMIC CRISIS ON THE OPERATION OF INSTITUTIONS FOR THE MENTALLY ILL IN THE UNITED STATES—Paul O. Komora, Mary A. Clark and Ralph A. Pierson—*National Comm. for Mental Hygiene, Inc.*, 126 p., 50c. (Price not given in SNL listing of Aug. 10).

Science News Letter, October 19, 1935



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Additional Reviews
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Anthropology

ANTHROPOLOGY IN ACTION — G. Gordon Brown and A. McD. Bruce Hutt — *Oxford Univ. Press*, 272 p., map, \$2.75. Taking a Bantu tribe of Tanganyika as subjects, an anthropologist and a British District Officer tested out what anthropological information is actually useful to government agents. The authors describe their work clearly. Their suggestions and recommendations should be helpful to others who are attempting to use anthropology as an "applied" science.

Science News Letter, October 19, 1935

Entomology

CITIES OF WAX—Julie Closson Kenly *Appleton-Century*, 250 p., \$2.50. Vigorously written, spiced with bits of humor and homely figures of speech, full of lively movement as the beehive itself, this book about bees will educate in the ways of the insect man befriends (and exploits) many a reader who would pass up a formal work on the subject as being too humdrum.

Science News Letter, October 19, 1935

Botany

AMERICAN FERNS: HOW TO KNOW, GROW AND USE THEM—Edith A. Roberts and Julia R. Lawrence—*Macmillan*, 98 p., \$2.50. This fern book is written from the home gardener's viewpoint, but with the solid background of ecology necessary for success with these plants. The halftone illustrations, both of botanical habit and of propagation methods from spores onward, are excellent, and the fern "time table" will be valuable to any one planning fern plantings.

Science News Letter, October 19, 1935

Psychology

RACE DIFFERENCES—Otto Klineberg — *Harper & Bros.*, 367 p., \$2.50. No scientific proof of racial differences in mentality has yet been found, is this author's conclusion. A large amount of research done by various scientists is appraised in this volume, and the question of race differences is considered not only from the psychological angle, but also the cultural and biological.

Science News Letter, October 19, 1935

Technology

WOOD HANDBOOK—R. F. Luxford, G. W. Trayer and others—*Government Printing Office*, 325 p., 6 pl., 25c. A compact but complete handbook, indis-

pensable to any one who works with wood in any way. It treats of such diverse phases of wood use as woodworking, construction details, insect damage and its prevention, fire resistance treatments, preservatives, nails and other timber fastenings, paints—practically any question you may want to ask about wood will be answered, at least in its essential points, in this bulletin. The staff of the U. S. Forest Products laboratory have good right to be proud of this publication.

Science News Letter, October 19, 1935

History

AN ATLAS OF EUROPEAN HISTORY FROM THE 2ND TO THE 20TH CENTURY—J. F. Horrabin—*Knopf*, 146 p., 70 maps, \$1.50. History is told in this instance by the device of showing map after map and telling briefly how the picture of Europe changed due to the great wars, migrations, revolutions and other upheavals. The book is especially intended to show the background explaining current problems of European diplomacy and politics.

Science News Letter, October 19, 1935

Paleobotany

STARUNIA: No. 6. NAJAS IN THE POLISH DILUVIUM—M. Gawłowska, 13 p., 2 pl.; **No. 7. STUDIES ON DILUVIAL PLANT REMAINS OF THE FAMILY *Nymphaeaceae***—Andrzej Srodon, 10 p., 1 pl.—*Polish Academy of Sciences*. Studies of plant remains from the Quaternary of Poland.

Science News Letter, October 19, 1935

Hydrography

GEOLOGY AND GROUND-WATER RESOURCES OF THE ISLAND OF OAHU, HAWAII—Harold T. Stearns and Knute N. Vaksvik—*U. S. Geological Survey*, 479 p., 33 plates, Free. If requested through Science Service please enclose 10c handling charge.

Science News Letter, October 19, 1935

Entomology

REVIEW OF THE GENUS CHLAENOBIA BLANCHARD — Edward A. Chapin — *Smithsonian Inst.*, 20 p., 10c.

Science News Letter, October 19, 1935

Geography-Zoology

OVER AFRICAN JUNGLES—Martin Johnson — *Harcourt, Brace*, 263 p., \$3.75. Martin Johnson again brings the jungle to your easy-chair, as he well knows how. The illustrations are as clean-cut and vigorous as the text.

Science News Letter, October 19, 1935

Naval Engineering

INVENTING THE SHIP—S. C. Gilfillan — *Follett*, 294 p., \$2.50. A small book, but packed with closely documented information, well illustrated, vigorously written. Among other interesting bits of history is the fact that a Roosevelt in 1814 patented a paddlewheel steamboat and was probably responsible for the adoption of paddlewheel propulsion by Fulton—to whom, incidentally, the author thinks altogether too much credit is given in the popular American *mythos* of steam navigation.

Science News Letter, October 19, 1935

Hobbies

HOW TO RIDE YOUR HOBBY — A. Frederick Collins — *Appleton-Century*, 298 p., \$2. Mr. Collins heartily believes in the motto, a hobby for every one, and he can—and does—tell his readers exactly how to start riding dozens of the beasties. He describes materials for starting, what knowledge may be necessary if the hobby is to be a success, and suggests what riding a particular hobby may do for an individual, in bringing fun, diversion, and specialized knowledge to his door. Hobbies lined up for inspection range from coin collecting, rock gardening, and telescope making to hand weaving, taking X-ray photographs, and starting a mousery.

Science News Letter, October 19, 1935

Conservation

THE LIVING WILDERNESS, VOL. I. No. 1—R. S. Yard, Editor—1840 Mintwood Pl., Washington, D. C. This new journal is the official publication of the recently organized Wilderness Society, whose objective is to secure the preservation of as many true wilderness areas as possible in their virgin condition, particular stress being laid on abstention from road building for auto traffic.

Science News Letter, October 19, 1935

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