

• First Glances at New Books

Biology

PROTOPLASM—William Seifriz—*McGraw-Hill*, 584 p., \$6. Prof. Seifriz, who has devoted his whole professional career to a patient, determined, and resourceful attack on the stubborn secrets of the life-stuff we call protoplasm, here brings together all the fruits of his own labor and the work of other investigators. From every angle he looks at protoplasm; he attacks it with every available tool—optics, electricity, mechanics, chemistry, many others. Insofar as "explanation" of a phenomenon consists in its more searching analysis and examination, and more complete and accurate description, Prof. Seifriz has here contributed substantially to the "explanation" of life.

Science News Letter, February 29, 1936

Zoology

DOG ENCYCLOPEDIA—Will Judy—*Judy Publ. Co.*, 462 p., \$5. Dog owners who are not expert in their own right on the care and dosing of dogs will find this one-volume encyclopedia highly useful. It tells about the various breeds of dogs, their origin (so far as known), their qualities and usefulness; what may ail them and what to do about it. Some of the articles are mildly scientific, some are humorous little essays.

Science News Letter, February 29, 1936

Science

THE ENDLESS QUEST: 3000 YEARS OF SCIENCE—F. W. Westaway—*Hillman-Curl, Inc.*, 1080 p., illus., 48 plates, \$5. American edition of a book published in England in 1934. See review in the *SCIENCE NEWS LETTER* of December 15, 1934.

Science News Letter, February 29, 1936

Engineering

TABLES FOR POWER-SERIES CALCULATIONS INVOLVING INDEPENDENT VARIABLE OF TWO HARMONIC COMPONENTS—Thomas C. McFarland—*Univ. of Calif. Press*, pp. 191-233, 50c.

Science News Letter, February 29, 1936

Botany

FERNS OF THE VICINITY OF NEW YORK, BEING DESCRIPTIONS OF THE FERN-PLANTS GROWING NATURALLY WITHIN A HUNDRED MILES OF MANHATTAN ISLAND. WITH NOTES—John Kunkel Small—*Science Press*, 285 p.,

illus., \$2.50. A well-illustrated regional pteridophyte flora, covering an area rich both in ferns and in persons interested in ferns. Bringing the two groups together, it will serve a very useful purpose in the world, and should bring at least a little profit, as it certainly will bring much credit, to the veteran botanist who produced it.

Science News Letter, February 29, 1936

Bacteriology

PRINCIPLES OF BACTERIOLOGY—Arthur A. Eisenberg, Mabel F. Huntley, and F. E. Colien—*Mosby*, 378 p., \$2.75. The sixth edition of a well-known textbook, that has been going since 1918. Considerable new material has been introduced, especially in sections dealing with relatively "new" diseases like psittacosis, and with rapidly developing subjects such as allergy.

Science News Letter, February 29, 1936

Marine Zoology

A NATURAL HISTORY OF THE SEAS—E. G. Boulenger—*Appleton-Century*, 215 p., \$3. Mr. Boulenger is known on both sides of the Atlantic as one of the best-informed of English students of natural history, especially aquatic natural history; and what he knows he can tell in most interesting style. In this book he reviews the whole pageant of "whatsoever passeth through the paths of the sea," from protozoa to marine mammals, illustrating his talk (it is more like casual talk than learned writing) with many halftones, and with clever drawings by L. R. Brightwell.

Science News Letter, February 29, 1936

Nature Study

OUR WONDERFUL WORLD—Frances Jenkins Olcott—*Little, Brown*, 299 p., \$2.50. A book that will appeal to at least the more thoughtful kind of child; a wonder-book filled with understandable essays about all manner of things, from ants and grasses to stratosphere balloons and the New York skyline, by authors from Solomon to Fabre. Lots of pictures, and all of them good.

Science News Letter, February 29, 1936

Psychology

PSYCHOLOGY FOR THE AVERAGE MAN—H. Clay Skinner—*Bruce Humphries*, 119 p., \$1.25. An interesting, pocket-sized volume for the person who wishes a layman's introduction to this subject.

Science News Letter, February 29, 1936

Psychology

THE PSYCHOLOGY OF GETTING GRADES—*Lucas Bros.*, 90 p., \$1. A delightfully humorous attack upon this weighty problem. The work is anonymous and purports to be based on "the author's experience as an undergraduate student who made Phi Beta Kappa without studying more than the average student . . . and as assistant in the psychology department of two large universities." One suspects, however, that only the professor himself could have written these keen comments.

Science News Letter, February 29, 1936

Gardening

GARDENING WITH PEAT MOSS—F. F. Rockwell and W. G. Breitenbucher—*Bruce Humphries*, 72 p., \$1.50. Many home flower growers, especially in urban areas, are much discouraged by the poverty of the soil they have to struggle with. In this book, the possibilities of a material long and widely used by professional gardeners and greenhousemen are set forth, with well-illustrated practical directions.

Science News Letter, February 29, 1936

Ornithology

FOOD HABITS OF COMMON HAWKS—W. L. McAtee—*Govt. Print. Off.*, 36 p., 5c. To altogether too many people, all hawks are still "chicken-hawks" to be shot on sight if possible. This pamphlet should do much toward correcting the situation.

Science News Letter, February 29, 1936

Medicine

SOCIALIZATION OF MEDICINE—E. R. Rankin—*Univ. of North Carolina Press*, 112 p., 50c. This handbook, compiled for the schools holding membership in the High School Debating Union, presents general, affirmative and negative references for debates on the subject of socialization of medicine. The references are from writings of physicians and others who have discussed the problem extensively.

Science News Letter, February 29, 1936

Juvenile

STORY PICTURES OF FARM FOODS—John Y. Beaty—*Beckley-Cardy*, 192 p., 70c. A picture-story book about roasting ears and tomatoes, butter and cream, cherry pies and even dates and oranges, for children in the big-print-reading stage.

Science News Letter, February 29, 1936

Astronomy

STARS AND TELESCOPES—James Stokley—*Harper*, 319 p., 49 illus., \$3. The establishment of a number of planetaria in this country, with auxiliary exhibits of telescopes, historical astronomical instruments, etc., has aroused a good deal of public interest in the tools of the astronomer, as well as in the wonder-inspiring discoveries he makes with them. Mr. Stokley, who is in charge of the Fels Planetarium of the Franklin Institute in Philadelphia, has built his book to meet this new line of interest, as well as to impart a comprehensive idea of the heavens themselves and both the glory and the mechanics thereof. Mr. Stokley, Science Service astronomy writer, uses as part of his illustrations a set of the star maps with which his articles in the SCIENCE NEWS LETTER have been illustrated.

Science News Letter, February 29, 1936

Chemistry

A BRIEF COURSE IN QUALITATIVE CHEMICAL ANALYSIS—Louis J. Curtman—*Macmillan*, 249 p., \$2.25. A one-semester course in the subject as taught at the College of the City of New York. Considerable emphasis is placed on equation writing and calculations. The approach is from the standpoint of the laws of chemical equilibrium and the ionization theory.

Science News Letter, February 29, 1936

Medicine

THE BRAIN AS AN ORGAN—Frederic and Florence Wertham—*Macmillan*, 538 p., 166 plates, \$7.50. Psychiatrists and neurologists will welcome this book which Dr. Adolf Meyer characterizes as a volume "of unrivaled value." It is a technical book, not suitable for lay reading.

Science News Letter, February 29, 1936

Psychology

SOCIAL PSYCHOLOGY: THE PSYCHOLOGY OF ATTRACTION AND REPULSION—John Jeffrey Smith—*Bruce Humphries*, 468 p., \$2. A printed revision of a textbook already used in mimeographed form by the author who is professor of psychology at Muskingum College. It is intended to be suitable for those with only an elementary knowledge of psychology.

Science News Letter, February 29, 1936

Zoology

THE BOOK OF DOGS—Stanley West—*Appleton-Century*, 426 p., illus., \$4. About three-fourths of this book consists of pictures of standard breeds of dogs, with brief descriptive text, some dog of

established record being chosen to represent his breed. The remainder is about equally divided between illustrated suggestions on the training of dogs, and a discussion of the show points of the various breeds.

Science News Letter, February 29, 1936

Hygiene

PRINCIPLES OF HYGIENE—Thomas A. Storey—*Stanford Univ. Press*, 524 p., \$3.50. Revised edition. A text for college students with the emphasis on principles of hygiene. Practice of hygiene is to be presented in a second volume. The author's idea is that hygiene cannot be adequately practiced without sound knowledge of its principles and of the causes of health and diseases. The reader who wants to know, for example, why the body needs rest, why excesses are bad for the health, what part heredity plays in health or disease, will find the answers in this volume, as well as much other factual information about health.

Science News Letter, February 29, 1936

Bacteriology

ELEMENTARY BACTERIOLOGY—Joseph E. Greaves—*Saunders*, 562 p., \$3.50. Third edition of a well-planned and successful textbook.

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Photography

PRESS PHOTOGRAPHY—James C. Kincaid—*American Photographic Publishing Co.*, 281 p., illus., \$3. This book is a text for amateur or professional camera men who wish to learn press photography. It is the most comprehensive and readable book of its kind and it contains many effective illustrations.

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Evolution

EVOLUTION FOR EVERYBODY—Henshaw Ward—*Grosset & Dunlap*, 354 p., \$1. Originally published under title, *Evolution for John Doe*.

Science News Letter, February 29, 1936

Fish Culture

HEWITT'S TROUT RAISING AND STOCKING—Edward R. Hewitt—*The Marchbanks Press*, 71 p., \$2. A practical guide for fish culturists, whose tribe is ever increasing.

Science News Letter, February 29, 1936

Biology

COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY, Vol. III—*Biological Laboratory, Cold Spring Harbor, L. I., N. Y.*, 359 p., \$3.75. The summer symposia at the Cold Spring Harbor Biological Laboratory, exploring borderland and pioneer fields of biological research, have achieved deserved note among biologists. Last summer's sessions were given over to a discussion of the application of quantitative methods in biological investigation—admittedly a difficult matter, but one which is not beyond the reach of modern ambition and modern instruments. Of special interest in the present volume of reports are the papers on photosynthesis and other biocatalytic phenomena.

Science News Letter, February 29, 1936

Ornithology

THE BIRDS OF NEVADA—Jean M. Linsdale—*Cooper Ornithological Club, Berkeley, Calif.*, 145 p., 1 map, \$4. An annotated checklist with bibliography and index. Should be valuable to Western ornithologists.

Science News Letter, February 29, 1936

Hobbies

HANDBOOK FOR THE AMATEUR LAPIDARY—J. Harry Howard—*Pub. by author, 504 Crescent Ave., Greenville, S. C.*, 140 p., \$2. Grinding and polishing stones is one of the most absorbing and fascinating of hobbies, and can easily produce profit as well as beauty. Mr. Howard has followed it a long time, and is therefore able to offer instructions both detailed and practical.

Science News Letter, February 29, 1936

Botany

A FLORA OF BEXAR COUNTY, TEXAS—Sister Mary Clare Metz, 214 p.; **A FLORA OF NELSON COUNTY, KENTUCKY**—Sister Rose Agnes Greenwell, 204 p., *Catholic University of America*, paper, each \$1. Two very carefully worked out botanical "keys" that are worthy additions to the gratifyingly growing local-flora literature, and will be useful teaching and fields aids in their respective regions.

Science News Letter, February 29, 1936

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