

•First Glances at New Books

Additional Reviews
On Page 224

Agriculture—Commerce

ALL ABOUT TEA—William H. Ukers—*Tea and Coffee Trade Jour. Co.*, 2 volumes, 1152 p., \$25 per set. Tea, from the earliest mists of Chinese tradition down to the roaring markets of London and New York, forms the subject of this exhaustive work. Origin of its use, history of the tea trade, its part in the outbreak of the American Revolution, the rise and passing of the clipper ships, evolution of tea cultivation, harvesting, handling and marketing, brief biographical sketches of notable figures in the world's tea trade—every imaginable point of information a tea-curious person might wish to ask for. The book's title is correct: it tells *all* about tea.

Science News Letter, October 5, 1935

Chemistry

FOOD AND BEVERAGE ANALYSIS—Milton A. Bridges—*Lea & Febiger*, 246 p., \$3.50. This new and comprehensive reference work on nutritive and caloric values in food takes into account the importance of canned and packaged foods, including many products by brand names. Besides the main feature of the book—the alphabetic listing of foods and their analyses—there are sections on strained foods, special dietetic foods, and alcoholic beverages, and chapters on vitamins and other food factors.

Science News Letter, October 5, 1935

Demography

IS INDUSTRY DECENTRALIZING?—Daniel B. Creamer—*Univ. of Pennsylvania Press*, 105 p., \$1. A report of the Study of Population Redistribution showing movement toward middle-sized cities. (See SNL, Aug. 24, p. 122).

Science News Letter, October 5, 1935

Natural History

WILD LIFE IN THE SOUTHWEST—Oren Arnold—*Banks Upshaw & Co.*, 274 p., \$1.75. A breezily written and entertaining book to take along on tour. The illustrations, though, leave something to be desired.

Science News Letter, October 5, 1935

Mathematics

NEW NUMBERS—F. Emerson Andrews—*Harcourt, Brace*, 168 p., \$2. Probably almost everybody has at one time or another speculated on the possibilities involved in the substitution of a duodecimal for the present decimal sys-

tem of counting and calculating. Mr. Andrews here actually carries a duodecimal arithmetic through as far as common logarithms. It is a bit odd that in his brief historic sketch he does not mention the ancient Mesopotamian sexagesimal system, which combined some elements of both decimal and duodecimal systems.

Science News Letter, October 5, 1935

Geology

REPORT OF THE COMMITTEE ON SEDIMENTATION, 1932-1934—*Division of Geology and Geography, National Research Council*, 246 p., \$1. Bulletin No. 98 of the National Research Council. A continuation of the Research Council's useful and important work on this basic geologic process. The present volume includes contributions by Antevs, Becker, Blackwelder, Twenhofel, Vaughan and others.

Science News Letter, October 5, 1935

Plant Physiology

THE TRANSLOCATION OF SOLUTES IN PLANTS—Otis F. Curtis—*McGraw-Hill*, 273 p., \$3. A book necessary to all plant physiologists, getting into compact compass all known facts, as well as the principal hypotheses, regarding one of the most important, and at the same time most difficult to investigate, of all classes of plant activities. There is a good bibliography.

Science News Letter, October 5, 1935

Physiology

EXPERIMENTAL PHYSIOLOGY—Maurice B. Visscher and Paul W. Smith—*Lea & Febiger*, 191 p., \$3.25. An illustrated manual of experiments for classroom use. Some of the experiments are intended for demonstration by the instructor and others for performance by the students.

Science News Letter, October 5, 1935

Geology

AUTOBIOGRAPHY OF EARTH—John H. Bradley—*Coward-McCann*, 347 p., \$3. A well-ordered popular account of historic geology, written by a man with a genuine gift for vivid description and telling phrase, which extends even to such things as chapter headings. A sustained sense of drama dominates the book, heightened by the somewhat impressionistic page illustrations by K. M. Adams.

Science News Letter, October 5, 1935

Zoology

PARADE OF THE ANIMAL KINGDOM—Robert Hegner—*Macmillan*, 675 p., 743 illus., \$5. A big \$5 worth of book about animals by a veteran zoologist who can make natural history accurate without making it dull. The half-tone illustrations, many of them full-page in size, have been very carefully selected; some have appeared from time to time in the SCIENCE NEWS LETTER.

Science News Letter, October 5, 1935

Agriculture

GRINDSTONE FARM—Henry B. Lent—*Macmillan*, 127 p., \$1.75. Life and work on a typical American grain-plus-dairy farm described and pictured for younger readers. The illustrations, by W. S. Bronson, have originality and zest.

Science News Letter, October 5, 1935

Entomology

THE EMPEROR OF THE ANTS—Luigi Bertelli (Vamba); translated by Nicola di Pietro—*Crowell*, 240 p., 120 illus., \$1.50. Insects, "anthropopsychized" out of all recognition, in a hopeless *mélange* of proper-enough insect behavior and completely higher-anthropoid motive and rationalization. This book is not recommended.

Science News Letter, October 5, 1935

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Additional Reviews
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Oceanography

THE SEA FOR SAM—W. Maxwell Reed and Wilfrid S. Bronson—*Harcourt, Brace*, 360 p., \$3. Sam, the insatiable-minded junior, is now exceedingly well endowed. His uncle, Mr. Reed, first presented him with the Earth, then with the Stars; now, in company with the versatile Mr. Bronson, who wrote part of the chapters and did all the illustrations, he offers him the Sea. But Sam may have to hide his book, or at least put up a loud "holler" for its possession; else he'll find his elders gobbling it up first.

Science News Letter, October 5, 1935

General Science

THE ADVANCEMENT OF SCIENCE 1935—*British Association for the Advancement of Science*, 222 p., 3s, 6d. Presidential addresses presented at the recent Norwich meeting of the BAAS. (See SNL, Sept. 14, 21, etc.)

Science News Letter, October 5, 1935

General Science

USEFUL SCIENCE FOR HIGH SCHOOL—H. T. Weed, F. A. Rexford and F. B. Carroll—*Winston*, 707 p., \$1.68. Chemistry is here made real by illustrations from water and fire, physics by reference to automobiles, electric bells and cameras, biology through sprouting seeds and the processes of digestion and breathing. Contact of science with everyday life is established at a thousand points.

Science News Letter, October 5, 1935

Biology

AN INTRODUCTION TO BIOLOGY—Edward L. Rice—*Ginn*, 602 p., \$3.20. A departure from the customary effort to pack a general survey of all living nature into an elementary textbook; it strives instead to give completer understanding of typical structures and basis processes: "a sampling of biology."

Science News Letter, October 5, 1935

Dietetics

DIET AND PHYSICAL EFFICIENCY—Howard W. Haggard and Leon A. Greenberg—*Yale*, 176 p., \$3. The authors maintain that the day's diet should be rearranged on a five-meal schedule. So-called industrial fatigue is really hunger and the five-meal plan is suggested as the remedy. The book is largely given over to describing the physiological experiments on which the authors base their conclusions, and consequently most of

the volume is too technical for lay reading. Because of the relation to industrial efficiency, however, non-medical persons engaged in industrial management, as well as physicians, nutritionists and other medical scientists, may find the book of considerable interest.

Science News Letter, October 5, 1935

Psychiatry

DESTINY AND DISEASE IN MENTAL DISORDERS—C. Macfie Campbell—*Norton*, 207 p., \$2. One of the Thomas W. Salmon Memorial Lectures series sponsored by the New York Academy of Medicine. The book is not suitable for general lay reading but social workers and psychologists as well as psychiatrists will be interested in Dr. Campbell's thoughtful discussion of mental diseases. Special emphasis is placed on schizophrenia.

Science News Letter, October 5, 1935

History of Medicine

THE STORY OF MEDICINE IN THE MIDDLE AGES—David Riesman—*Hoeber*, 402 p., \$5. This book undertakes to fill the gap in general knowledge of medical history between the Greek period and the beginning of the modern period. The lay as well as the medical reader will find much of interest in this account of a neglected period.

Science News Letter, October 5, 1935

Neurology

THE ANATOMY OF THE NERVOUS SYSTEM (Fifth Ed.)—Stephen W. Ranson—*Saunders*, 501 p., \$6.50. Addition of many illustrations and revision to include important new concepts without increasing materially the size of the book feature the fifth edition of this text for medical students.

Science News Letter, October 5, 1935

Archaeology

STAMPED AND INSCRIBED OBJECTS FROM SELEUCIA ON THE TIGRIS—Robert H. McDowell—*University of Michigan Press*, 280 p., \$3.50. Deals mainly with evidence regarding official seals and stamps used in the period of Seleucid control of Babylonia. The residence of a wealthy family is the chief source of the seal and stamp impressions described.

Science News Letter, October 5, 1935

Astronomy

THE SOLAR SYSTEM AND ITS ORIGIN—Henry N. Russell—*Macmillan*, 144 p., \$2. A leading astronomer, who also has the gift of clear and understandable popular interpretation, here puts the solar system into the test-tube of spectroscopy for analysis. Into a severer test-tube go the hypotheses that would account for cosmic syntheses—and most of them roll out again with the Scotch verdict "not proven" upon them. An informative book for those who have not "kept read up" on the newer things in astronomy; an excellent opportunity to sum up, for those who have.

Science News Letter, October 5, 1935

Geology

MAMMOTH CAVE IN THIRD DIMENSION—*Orthovis Co.*, 31 p., \$1.50, plus postage. A picture book of one of the greatest of America's natural wonders, in the now familiar two-color stereo-effect offset, with viewing screens.

Science News Letter, October 5, 1935

Picture Books

THE GLASS BOOK—William C. Pryor and Helen S. Pryor—*Harcourt, Brace*, 101 p., \$1. THE STEEL BOOK—William C. Pryor and Helen S. Pryor—*Harcourt, Brace*, 101 p., \$1. Attractive books for children (and adults) telling in photographs and a minimum of text the story of two great industries.

Science News Letter, October 5, 1935

Photography

MODERN PHOTOGRAPHY—Edited by C. G. Holme—*Studio Publications*, 128 p., \$3.50 cloth, \$2.50 wrappers. The cream of another year's crop of photographs. Group studies of various kinds, and "angle shots," are played up somewhat more prominently than heretofore in this series. "Dancer," by Kichinosuke Benitani, is a most unusual action picture.

Science News Letter, October 5, 1935

Chemistry

TRANSACTIONS OF THE INSTITUTE OF CHEMICAL ENGINEERS, Vol. 12—1934—*Institute of Chemical Engineers, London*, 269 p., 1£ 1s.

Science News Letter, October 5, 1935

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