

Books of the Week

TO SERVE YOU: To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWS LETTER, 1719 N St., N. W. Washington 6, D. C. Ask for free publications direct from issuing organizations.

ABBE DAVID'S DIARY—Helen M. Fox, Translator and Ed.—*Harvard University Press*, 302 p., illus., \$5.00. An account of the French Naturalist's Journeys and observations in China in the years 1866 to 1869. Some of the 17 exquisite plates are reproduced from the Abbe's own monographs and some are the beautiful work of Chinese artists. (See p. 361.)

ACIDS, BASES AND NON-AQUEOUS SYSTEMS—Ludwig F. Audrieth—*Phi Lambda Upsilon*, 66 p., illus., paper, \$2.00. The 23rd Annual Priestley lecture by an authority in this field.

ANIMAL ENCYCLOPAEDIA; MAMMALS—Leo Wender—*Oxford University Press*, 266 p., illus., \$4.50. Information about mammals, alphabetically arranged with a Latin index.

BIOLOGY IN OUR LIVES—George W. Hunter and F. R. Hunter—*American*, 534 p., illus., \$3.40. A high school text. Valuable illustrations.

CHANGING PATTERNS IN AMERICAN CIVILIZATION—Dixon Wecter, F. O. Matthiessen, Detlev W. Bronk, Brand Blanshard and George F. Thomas—*University of Pennsylvania Press*, 176 p., \$2.50. An attempt to understand and evaluate the civilization of the United States in the 20th century from five points of view—social institutions, literature, science, philosophy, and religion. These five lectures constitute the inaugural series of the Benjamin Franklin Lectures.

CHILD GROWTH AND DEVELOPMENT—Elizabeth B. Hurlock—*Whittlesey*, 374 p., illus., \$3.50. A well-known child psychologist presents her views and attempts answers to the many problems of mothers and mothers-to-be.

ECONOMIC AND SOCIAL PROBLEMS IN THE UNITED NATIONS: World Food problems—*Gov't Printing Office*, 7 p., paper, free upon request to publisher, Washington 25, D. C. A short review of what the UN has done to combat world hunger.

ELECTRON TUBES, Vol. 1: 1935-1941; Vol. 2: 1942-1948—Alfred N. Goldsmith, Arthur F. Van Dyck, Robert S. Burnap and others, Eds.—*Radio Corporation of America*, Vol 1, 475 p., illus., \$2.50; Vol. 2, 453 p., illus., \$2.50. A two-volume text and reference work. For those whose work involves the design of tubes and their application.

ELEMENTS OF DIESEL ENGINEERING—Orville L. Adams—*Henley*, 2d ed., 367 p., illus., \$5.00. An elementary text which has been completely revised with all the latest data added.

THE FIRST BOOK OF AUTOMOBILES—Campbell Tatham—*Franklin Watts*, 45 p., illus., \$1.50. A delightfully illustrated book for children up to 10.

FUNDAMENTALS OF COMPARATIVE EMBRYOLOGY OF THE VERTEBRATES—Alfred F. Huettnner—*Macmillan*, rev. ed., 309 p., illus., \$5.00. A text generously illustrated with diagrammatic drawings.

NATURALIST'S SOUTH PACIFIC EXPEDITION: FIJI—Otto Degener, 303 p., illus., \$5.00. The story of eight months spent among the Fijians. Excellent illustrations.

ORCHIDS ARE EASY TO GROW—Harry B. Logan and Lloyd C. Cosper—*Ziff-Davis* 312 p., illus., \$6.00. With full color plates and black-and-white illustrations, this book forms a complete guide to orchid culture.

PROBABILITY THEORY FOR STATISTICAL METHODS F. N. David—*Cambridge University Press*, 230 p., illus., \$3.50. A treatise on propositions and theorems of the calculus of probability. For the student of elementary statistics.

PSYCHOLOGICAL TESTING—James L. Mursell—*Longmans, Green*, 2nd ed., 488 p., illus., \$4.00. Includes an account of the testing movement with consideration of the past development, its present status, and its future prospects. Revised to include discussion of recent tests.

HUMAN BREEDING AND SURVIVAL: Population Roads to Peace or War—Guy Irving Burch and Elmer Pendell—*Pelican Books*, 138 p., illus., paper, 35 cents. This reprint of a book originally published by the Population Reference Bureau urges population limitation.

THE SCIENCE OF CHEMISTRY—George W. Watt and Lewis F. Hatch—*McGraw-Hill*, 567 p., illus., \$4.50. Written for the student whose major field calls for a minimum background in the physical sciences.

SELLING TECHNICAL BOOKS AT RETAIL—Margaret Specht—*American Book Publishers Council, Inc.*, 22 p., paper, 50 cents. Sponsored by the publisher as a project of its book distribution committee, this pamphlet presents methods of marketing and stocking technical books.

THE TERENA AND THE CADUVEO OF SOUTHERN MATO GROSSO, BRAZIL—Kalervo Oberg—*Gov't Printing Office*, 72 p., illus., 60 cents. A brief monograph about the cultural changes resulting from the contact and interaction of two culturally different Indian tribes and their eventual adjustment to the impact of European civilization.

TWO LECTURES: I. The Present Situation in the Theory of Elementary Particles; II. Electron Theory of Superconductivity—W. Heisenberg—*Cambridge University Press*, 51 p., illus., \$1.00. Delivered at the Cavendish Laboratory as an introduction to discussions on two different topics in atomic theory.

THE WORLD AUDIENCE FOR AMERICA'S STORY—U. S. Advisory Commission on Information—*Gov't Printing Office*, 127 p., illus., paper, 65 cents. A report on the status of the information program.

GEOLOGY OF THE LAKE TITICACA REGION, PERU AND BOLIVIA—Norman D. Newell—*Geological Society of America*, Memoir 36, 111 p., illus., \$5.00. Based primarily on observations. Significant findings about numerous measured stratigraphic sections and structural profiles.

Science News Letter, June 4, 1949

Hundreds of former telegraph offices in the smaller towns have been closed and telegraph messages are sent by telephone or teletypewriters to central offices.

GENERAL SCIENCE

Expect Science-Teacher Shortage To Get Worse

► THE shortage of science teachers will become more severe in the next 15 years, a survey by a Harvard University educator indicates.

The survey, of Massachusetts science teachers, revealed that more of them are in their fifties than in their twenties. Dr. Fletcher G. Watson disclosed his findings in the HARVARD EDUCATIONAL REVIEW.

Average age of the 316 teachers replying to the poll was 42.

Dr. Watson believes there are three main factors in the failure of more young people to go into science teaching. They are:

1. Low salaries. Salaries of men teaching science averaged \$3,350 per year, with women getting about \$400 less. Nearly one-half of the science teachers had to work during vacation months and 39% said they found extra jobs during the school year.

2. Insufficient time for setting up laboratory and demonstration equipment. This complaint was made by 63% of the teachers.

3. Inadequate facilities. Lack of equipment was mentioned by 42% of the teachers, while 40% reported inadequate classrooms.

Science News Letter, June 4, 1949

Words in Science

RESIN-ROSIN

► THE word resin does not have the same meaning as rosin. Resin is applied to a great variety of brittle, dry residues from the sticky gum secreted by trees and plants in many parts of the world.

Resin so obtained from pine trees is called rosin. The pine trees of the South Atlantic and Gulf States produce about two-thirds of the world's supply of rosin.

Other examples of resins are amber, copal, dammar and kauri gum and manufactured products having certain of the properties of resins, and known as synthetic resins.

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