

# Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

THE ACADEMY OF SCIENCES OF THE USSR REPORTS OF THE FOURTH SOVIET CONFERENCE ON ELECTROCHEMISTRY—A. N. Frumkin and others in English translation—*Consultants Bureau*, 89 p., paper, \$12. Discusses general questions on electrochemical kinetics and reaction mechanism of electrochemical reduction.

THE ADVANCE IN AIR SAFETY—Civil Aeronautics Board—*Govt. Printing Office*, 30 p., illus., paper, 15¢. Supplemental Report on air traffic and regulations.

ADVENTURES IN THE WORLD OF SCIENCE—Charles Greeley Abbot—*Public Affairs Press*, 150 p., illus., \$3.50. The Secretary of the Smithsonian Institution, 1929-1944, recollects 60 years of his life spent among eminent men of science and government.

A CHECKLIST OF THE FRESHWATER FISHES OF CANADA AND ALASKA—W. B. Scott—*Royal Ontario Museum, Div. of Zool.*, 30 p., paper, 35¢. First up-to-date listing since 1913.

THE ETERNAL SEARCH: The Story of Man and His Drugs—Richard R. Mathison—*Putnam*, 381 p., illus., \$5.95. A reporter's anecdotal history of drugs and medicines through the centuries.

GUIDE TO MARS—Patrick Moore—*Macmillan*, 124 p., illus., \$2.75. Summarizes the present state of our knowledge of the "red" planet for the general reader and amateur astronomer.

HAMMOND'S NATURE ATLAS OF AMERICA—E. L. Jordan and others—*Hammond*, 256 p., 320 paintings by Walter Ferguson and John Cody, 104 maps, \$7.50. For nature lovers who are not scientists; includes complete list of national public outdoor facilities for the study of nature.

HANDBOOK ON HERBS—Helen Tilton Batchelder and others—*Brooklyn Botanic Garden*, 172 p., illus., paper, \$1. Illustrated dictionary of herbs, with articles on specific aspects of herb gardening.

HISTORY OF THE BRITISH IRON AND STEEL IN-

DUSTRY: From c. 450 B.C. to A.D. 1775—H. R. Schubert—*Routledge & Kegan Paul (Macmillan)*, 445 p., illus., \$12. First comprehensive history of British iron and steel from its earliest period to the time of the introduction of steam power.

METALS AND ENZYME ACTIVITY—Biochemical Society Symposium No. 15—E. M. Crook, Ed.—*Cambridge Univ. Press*, 102 p., illus., \$3.75. Of interest to research workers, including inorganic and organic chemists, biochemists and those in the medical sciences.

MICROBIOLOGY—Michael J. Pelczar, Jr. and Roger D. Reid—*McGraw-Hill*, 564 p., illus., \$8. Textbook introducing the student to the fascinating world of microorganisms—what they are, what they look like, what they do, and how they can be controlled and exploited to the advantage of mankind.

NAUTILUS: A Game of Sea Shell Aristocrats—A. Gordon Melvin—*Nature Games*, illus. by Jean Colton, 56 cards, \$1.35. Arranged in scientific order, cards give Latin name, authority, location, common name and size of sea shells. Rules for several games are given.

THE PHILOSOPHY OF PHYSICAL SCIENCE—Sir Arthur Eddington—*Univ. of Mich. Press*, new ed., 230 p., paper, \$1.75. Based on a course of lectures given in 1938.

PHYSICAL RESEARCH PROGRAM: U. S. Congress Hearings—Subcommittee on Research and Development of the Joint Committee on Atomic Energy—*Govt. Printing Office*, 785 p., illus., paper, \$2.25. On the physical research program as it relates to the field of atomic energy.

PROJECT SHERWOOD: The U. S. Program in Controlled Fusion—Amasa S. Bishop—*Addison-Wesley* for U. S. Atomic Energy Commission, 216 p., illus., paper, \$5.75. First account of the heretofore top-secret U. S. search for the means of controlling thermonuclear reactions. Part of U. S. presentation at Second Atoms-for-Peace Conference in Geneva.

PROPOSED EURATOM AGREEMENTS: Hearings, Parts I and II—U. S. Congress, Joint Committee on Atomic Energy—*Govt. Printing Office*, 515 p., illus., paper, \$1.30. On proposed legislation to carry out the cooperative program between the U. S. and the six member nations of the EURATOM group in the development of peaceful atomic power.

PUBLIC EXPOSURE TO IONIZING RADIATIONS: What Public Health Personnel Need to Know—

Marcus Rosenblum—*Am. Public Health Assn.*, 55 p., illus., paper, \$1.35. Prepared by the Program Area Committee on Radiological Health of the Technical Development Board of the American Public Health Association.

REPORT OF THE UNITED NATIONS SCIENTIFIC COMMITTEE ON THE EFFECTS OF ATOMIC RADIATION—United Nations General Assembly—*Int. Documents Service*, 228 p., map, paper, \$2.50. See p. 151.

SCIENTIFIC INFORMATION REPORT: Vol. I, No. 1—Central Intelligence Agency, English translation—*Office of Technical Services*, 199 p., paper, \$2.75, issued semi-monthly, \$28 per year. Presents unevaluated information extracted from publications of the USSR, Eastern Europe and China. Intended to indicate current scientific developments and activities in these regions.

THE SCIENTIFIC INSTRUMENT INDUSTRY—James R. Irving—*Bellman Pub. Co.*, Vocational & Professional Monograph No. 98, 60 p., illus., \$1. Thorough description of the industry and the qualifications for entering it. Contains list of scientific instrument makers.

SEMIMICRO EXPERIMENTAL ORGANIC CHEMISTRY: A Laboratory Manual—Nicholas D. Cheronis—*de Graff*, 400 p., illus., \$5.50. Completely rewritten text based on 1943 work "Semimicro and Macro Organic Chemistry" by the same author.

SINGLE SIDEBAND FOR THE AMATEUR—*American Radio Relay League*, 2nd ed., 210 p., illus., paper, \$1.50. A digest of articles on single sideband transmission and reception.

SOVIET ABSTRACTS: Chemistry—U. S. Joint Publications Research Service, English translation, *Office of Technical Services*, paper, \$2.50. Report consists of entries in the Soviet Chemistry Abstracts journal No. 9, 1957, originally published in the Sino-Soviet bloc and Yugoslavia.

TENTATIVE RECOMMENDED FIRE PROTECTION PRACTICE FOR NUCLEAR REACTORS—NFPA Committee on Atomic Energy—Winthrop M. Jones, Chairman—*Nat. Fire Protection Assn.*, 64 p., illus., paper, \$1. Discusses hazard problems of the various types of reactors.

TIKAL REPORTS: Numbers 1-4—Edwin M. Shook, William R. Coe, Vivian L. Broman and Linton Satterthwaite—*University Museum*, 150 p., illus., paper, \$2.50. First of a series of technical papers on the archaeological project at the famous Maya site of Tikal, Guatemala.

U. S. AVIATION TODAY: 1958—*Nat. Aviation Educ. Council*, 123 p., illus., paper, 75¢. Pictures and descriptions of U. S. aircraft.

VISTAS IN ASTRONAUTICS—Morton Alperin, Marvin Stern and Harold Wooster, Eds.—*Pergamon*, 330 p., illus., \$15. First Annual Air Force Office of Scientific Research Astronautics Symposium, co-sponsored by Convair Division, General Dynamics Corporation.

Science News Letter, September 6, 1958

## Best Book Contest for 1958

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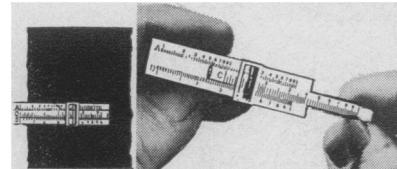
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