

Books of the Week

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- A. I. B. S. BULLETIN:** News and Views on the Biological Sciences, Vol. I, No. 1—Clarence J. Hylander, Ed.—*American Institute of Biological Sciences*, 16 p., paper, \$2.00 a year. Replaces the "Newsletter" in "Bringing to Biologists 'News and Views in the Biological Sciences.'"
- ACTIVE CARBON**—John W. Hassler—*Chemical Publishing Co.*, 384 p., \$7.00. Intended for research workers in industry, this book includes various applications of active carbon in industrial processes.
- THE ARMY ALMANAC**—Armed Forces Information School—*Govt. Printing Office*, 1009 p., \$3.00. Gathering into a single volume useful data about the Army from its establishment up to 1948.
- BIRDS OF THE ACARY MOUNTAINS, SOUTHERN BRITISH GUIANA**—Emmet R. Blake—*Chicago Natural History Museum*, 55 p., paper, 75 cents. Based on a collection of 500 specimens made by the author.
- THE BOOK OF AMERICAN CLOCKS**—Brooks Palmer—*Macmillan*, 318 p., illus., \$10.00. Based on Wallace Nutting's book "Furniture Treasury" and containing over 300 illustrations by Nutting.
- BORDERLANDS OF SCIENCE**—Alfred Still—*Philosophical Library*, 424 p., \$3.75. Because of its extensive documentation and bibliography, this book will be of interest to many even though they will not agree with the conclusions about magic, hypnotism, clairvoyance, telepathy, levitation, divining rods, etc.
- BRITISH MEDICAL BULLETIN:** Vol. 7, Industrial Hazards—John Rogan—*Medical Department, The British Council* (Oxford University Press), 144 p., illus., paper, \$2.00. "The doctor in industry is in a unique and happy position for he has the opportunity to practice clinical and preventive medicine as they should be practiced, together."
- THE CHILD WITH CEREBRAL PALSY**—Children's Bureau and Office of Education—*Gov't Printing Office*, 13 p., illus., paper, 10 cents. Prepared especially for parents to aid in the care of these sick children and to dissipate some of the unfounded fears.
- CHOICE AND CARE OF FILMS IN FUNDAMENTAL EDUCATION**—Peter Brinson—*Olen Press*, 21 p., paper, approx. 14 cents. Third in a series of educational pamphlets prepared with UNESCO.
- CHOICE AND CARE OF FILMSTRIPS IN FUNDAMENTAL EDUCATION**—George Seager—*Olen Press*, 19 p., paper, approx. 14 cents. Fourth in a series of educational pamphlets prepared with UNESCO.
- CIVIL DEFENSE SUPPLEMENT TO THE AMERICAN RED CROSS FIRST AID TEXT BOOK**—American National Red Cross—*Blakiston*, 47 p., illus., paper, 10 cents. Does not contain complete first aid information; it is to be used with ARC first aid textbook.
- CLOUD PHYSICS**—D. W. Perrie—*Wiley*, 119 p., illus., \$4.50. For meteorologists, aviators, and for those who just like to look at the clouds.
- COMPLETE HOME REPAIR HANDBOOK**—Emanuel Stier—*Prentice-Hall*, 1617 p., illus., \$8.85. A how-to-do-it book covering all sorts of upkeep work around the home.
- CONTEMPORARY LIGHTING IN MODERN AND TRADITIONAL INTERIORS**—*Illuminating Engineering Society*, 58 p., illus., paper, \$1.00. Studies of lighting and seeing conditions in the home, written in laymen's language.
- THE DEMOCRATIC WAY OF LIFE: An American Interpretation**—T. V. Smith and Eduard C. Lindeman—*The New American Library*, 159 p., paper, 35 cents. This Mentor book is a new and completely revised edition of one first published by the University of Chicago Press.
- THE DEVELOPMENT OF REASONING IN CHILDREN WITH NORMAL AND DEFECTIVE HEARING**—Mildred C. Templin—*University of Minnesota Press*, 143 p., \$3.00. Results of a study on 850 pupils in state schools for the deaf, classes for defective hearing and public schools.
- DIE DESIGN AND DIEMAKING PRACTICE**—Franklin D. Jones, Ed.—*Industrial Press*, 3d ed., 1014 p., illus., \$7.00. Working guide for designers, diemakers, and tool engineers.
- DIPLOCAULUS: A Study in Growth and Variation**—Everett Claire Olson—*Chicago Natural History Museum*, 93 p., illus., paper, \$1.75. Quantitative methods applied to the study of a rather highly specialized early Permian amphibian.
- DIRECTORY OF INTERNATIONAL SCIENTIFIC ORGANIZATIONS**—UNESCO, (Columbia University Press), 224 p., paper, \$1.00. Lists organizations under three headings: Basic Sciences, Applied Sciences, and Miscellaneous.
- DYNAMIC MOTION AND TIME STUDY**—James J. Gillespie—*Chemical Publishing Co.*, 140 p., illus., \$3.75. Presenting a new approach to the subject. The author believes that through experiments he has succeeded in increasing efficiency without antagonizing the worker.
- FILM AND FILMSTRIP PROJECTION IN FUNDAMENTAL EDUCATION**—Peter Brinson—*Olen Press*, 21 p., illus., paper, approx. 14 cents.
- Second in a series produced in collaboration with UNESCO to assist teachers.
- THE GIFTED CHILD**—Paul Witty, Ed.—*Heath*, 338 p., \$4.00. Chapters by specialists on various aspects of the recognition and education of gifted children, including one by Watson Davis on The Search for Talent in Science.
- GRAPHIC SURVEY OF CHEMISTRY**—William Lemkin—*Oxford Book Company*, 410 p., illus., paper, 80 cents. Outgrowth of author's "Visualized Chemistry," high school chemistry is brought up to date in concise language.
- HOW DOES IT WORK?**—School Service Dept.—*Westinghouse Elec. Corp.*—16 p., illus., paper, free to teachers and students. An educational comic book with easy experiments on science to do at home.
- HUDSON OF HUDSON'S BAY**—J. M. Scott—*Henry Schuman*, 176 p., illus., \$2.50. Biography of a great explorer.
- HUMAN ENGINEERING**—L. E. Abt, Ed.—*New York Academy of Sciences*, 152 p., paper, \$2.75. Series of papers at a conference held by the section of psychology in May, 1948.
- MEDICAL SCHOOL GRANTS AND FINANCES: Part I, Conclusions and Recommendations, 48 p.; Part II, Financial Status and Needs of Medical Schools, 85 p.; Part III, Public Health Service Grants, 58 p.**—The Surgeon General's Committee—*Gov't Printing Office*, paper, 20 cents each.
- MINING AND MILLING METHODS AT SAN XAVIER MINE THE EAGLE-PICHER MINING AND SMELTING Co. PIMA COUNTY, ARIZ.**—Grover J. Duff and Charles A. Kumke—*U. S. Bureau of Mines, Information Circular 7581*, 13 p., illus., paper, free upon request to publisher.
- MODEL CONTROL BY RADIO**—Edward Safford, Jr.—*Radcraft*, 112 p., illus., paper, \$1.00. For radio amateurs. Possession of a ham license is helpful and, for control operation on certain frequencies, a necessity.
- THE NATIONAL RESEARCH COUNCIL REVIEW 1950**—Committee of the Privy Council on Scientific and Industrial Research—*Edmond Cloutier*, Ottawa, 278 p., illus., paper, approx. 75 cents. Describes the Council's work for 1949 with some notes on early 1950 work.
- NEW HORIZONS IN THE EAST**—Consultative Committee on South and Southeast Asia—*H. M. Stationery Office* (British Information Services), 40 p., illus., paper, free upon request to the publisher, 30 Rockefeller Plaza, New York. Describing the Colombo plan for cooperative economic development.

For the General Reader ARCHAEOLOGY

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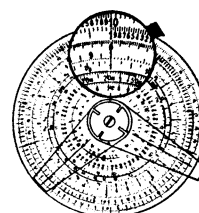
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1950 FACTS ABOUT NURSING: A Statistical Summary—*American Nurses' Association*, 103 p., paper, 50 cents.

NINTH SEMI-ANNUAL REPORT OF THE ATOMIC ENERGY COMMISSION—Atomic Energy Commission—*Govt. Printing Office*, 158 p., paper, 40 cents. Contains a section on civil defense.

ONE-WAY STREETS—*Highway Research Board*, 31 p., paper, 60 cents. A panel discussion.

OUTLINE OF UPLAND GAME BIRD MANAGEMENT—Elizabeth B. Beard and Warren W. Chase—*Overbeck Co.*, 143 p., paper, \$3.00. Fourth of a series of teaching aids in wild life management from the School of Natural Resources, University of Michigan.

OUTLOOK FOR DEVELOPMENT OF A TUNA INDUSTRY IN THE PHILIPPINES—Herbert E. Warfel—*Govt. Printing Office*, 37 p., illus., paper, 20 cents. Tuna resources represent the largest opportunity for the expansion of the fisheries of that nation based on a two and a half year study.

PICTURE ENCYCLOPEDIA, *Research Book Co.*, 162 p., illus., paper, \$25.00. The 24,000 illustrations are arranged in groups intended to be helpful to puzzle contestants.

THE PRACTICE OF SANITATION—Edward S. Hopkins and Francis B. Elder—*Williams and Wilkins*, 423 p., illus., \$7.50. A textbook for students in sanitary engineering.

THE PRECERAMIC HORIZONS OF NORTHEASTERN OKLAHOMA—David Albert Baerreis—*University of Michigan Press*, 121 p., illus., paper, \$1.00. Describing three periods parallel at least in part to the Ozark Bluff-Dweller culture.

THE PRINCIPLES OF CLOUD-CHAMBER TECHNIQUE—J. G. Wilson—*Cambridge University Press*, 131 p., \$2.75. Technical book for scientists who plan to use cloud chambers.

THE PRINCIPLES OF HEREDITY—Laurence H. Snyder—*Heath*, 4th ed., 515 p., illus., \$4.75. Brought up to date by extensive revision and rewriting.

PROCEEDINGS OF THE INDIANA ACADEMY OF SCIENCE—Alton A. Lindsey, Ed.—*State Library*, Indianapolis, Ind., 309 p., illus., paper, \$3.00.

RED CROSS HOME NURSING: Civil Defense Supplement—*American National Red Cross*—10 p., paper, free upon request to publisher. What you can do in case of an atomic bomb attack.

REPORT OF THE CHIEF OF THE BUREAU OF ANIMAL INDUSTRY: AGRICULTURAL RESEARCH ADMINISTRATION, 1950—B. T. Simms, Chief—*Govt. Printing Office*, 105 p., paper, 25 cents.

REPORT ON THE PROGRESS AND CONDITION OF THE UNITED STATES NATIONAL MUSEUM FOR THE YEAR ENDED JUNE 30, 1950—Smithsonian Institution—*Govt. Printing Office*, 141 p., paper, available from Smithsonian Institution.

THE RISE OF SCIENTIFIC PHILOSOPHY—Hans Reichenbach—*University of California Press*, 330 p., \$3.75. Intended to show that philosophy has proceeded from speculation to science.

SNOWY: The Story of a Polar Bear Cub—Jan Vlasak and Josef Seget—*Henry Schuman*, 87 p., illus., \$2.50. The story is told in charming photographs of a very young cub at the Prague zoo in Czechoslovakia under German occupation when breeding of the precious animals had to be kept up at home.

STATEMENT ON RACE—Ashley Montagu—*Henry Schuman*, 172 p., \$2.00. An extended discussion in plain language of the famous UNESCO declaration.

A STRUCTURAL-EFFICIENCY EVALUATION OF TITANIUM AT NORMAL AND ELEVATED TEMPERATURES—George J. Heimerl and Paul F. Barrett—*National Advisory Committee for Aeronautics*, Technical Note 2269, 16 p., paper,

free upon request to publisher, Washington.

UNESCO: Five Years of Work—*U. S. National Commission For UNESCO*, 18 p., paper, free upon request to publisher, U. S. Department of State.

WATER RESOURCES LAW—*Water Resources Policy Commission*—Govt. Printing Office, 777 p., paper, \$2.25. Volume three of the Commission's Report to the President.

THE WHITE CONTINENT: The Story of Antarctica—Thomas R. Henry—*Sloane*, 257 p., \$3.75. The author, who is a newspaper writer, accompanied the Navy expedition "High Jump" under Admirals Byrd and Cruzen.

WORKBOOK FOR WEATHER FORECASTING—E. S. Pulk and E. A. Murphy—*Prentice-Hall*, 66 p., illus., paper, \$5.00. To aid the student in applying his theoretical knowledge. Contains a packet of maps.

YOUR BLOOD PRESSURE AND YOUR ARTERIES—Alexander L. Crosby—*Public Affairs Committee, Inc.*, 31 p., illus., paper, 20 cents. Precautions against and rules for the care of hypertension.

Science News Letter, March 3, 1951

AERONAUTICS

New Use for Helicopters

► HELICOPTER take-offs and landings on a relatively small platform over the deck near the stern on a 10,000-ton ocean vessel are being made in the English Channel, it was revealed in London. The purpose is to determine the possibility of using helicopters to protect convoys on the ocean against enemy submarines.

The idea is that helicopters based on merchant ships might be used to defend convoys against submarines, making it unnecessary to have an aircraft carrier vessel accompany each convoy. The helicopters would take off from the deck of the merchant vessel and search the sea-lanes near the convoy for underwater enemy craft.

The trials being made in the English Channel are with a fleet supply ship on which a strengthened steel platform has been constructed near the stern. The helicopter in use is the S.51. Its whirling rotor blades, with their span of about 50 feet,

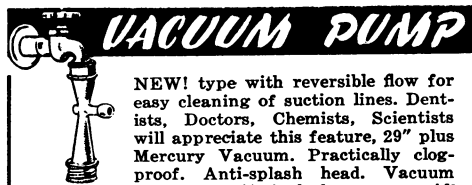
actually overhang parts of the flight platform when the aircraft is on it.

Considerable skill is required to land a helicopter on such a small platform, particularly in a rough sea. Tests have been carried out in all sorts of weather and safe landings have been made under heavy pitching and rolling.

The helicopters proposed for use for this purpose would carry small bombs and depth charges, or a number of sono-buoys. These buoys are dropped in the water to pick up vibrations from deep sea submarines equipped with schnorkel "breathing tubes" which enable them to remain under water for long periods.

Science News Letter, March 3, 1951

Carbon monoxide, the poisonous gas resulting from incomplete burning of materials containing carbon, is eventually converted in the atmosphere into harmless carbon dioxide.



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