

# Books of the Week

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**ADJUSTING TO TECHNOLOGICAL CHANGE**—Gerald G. Somers, Edward L. Cushman and Nat Weinberg, Eds.—Industrial Relations Research Assn. (Harper), 230 p., \$4.50. Discusses impact of technological change on labor and managements, and gives historical and political perspectives.

**ADVANCES IN ELECTRONICS AND ELECTRON PHYSICS**, Vol. 18—L. Marton and Claire Marton, Eds.—Academic Press, 342 p., illus., diagrams, \$12.50. Technical statements on the subject by international authorities.

**ALL IN THE MORNING EARLY**—Sorche Nic Leodhas, illustrated by Evaline Ness—Holt, unpag., illus., \$3.50. A picture book illustrating a Scottish nursery tale.

**ANIMAL LIFE AND LORE**—Osmond P. Breland, drawings by Matthew Kalmenoff—Harper, 388 p., illus., \$6.95. Informative essays on all animal types.

**ANIMALS IN WINTER**—Henrietta Bancroft and Richard G. Van Gelder; illustrated by Gaetano di Palma—Crowell, unpag., illus., \$2.35. Describes the activities of bats, woodchucks, deer, rabbits and wolves. A picture story book for children.

**ANTICIPATED BIOLOGICAL AND ENVIRONMENTAL EFFECTS OF DETONATING A TWENTY-MEGATON WEAPON ON COLUMBUS CIRCLE IN NEW YORK CITY**—Tom Stonier, comment by Merrill Eisenbud and Lt. Gen. F. W. Farrell—N. Y. Acad. of Sciences, 96 p., illus., paper, \$3. These papers synthesize all available reports and present detailed, comprehensive view of various effects of single 20-megaton thermonuclear attack.

**BASIC MATHEMATICS FOR THE PHYSICAL SCIENCES**—Haym Kruglak and John T. Moore—McGraw, 354 p., illus., \$5.50. Reference source of mathematical skills needed in elementary science courses.

**THE BATTLE OF GETTYSBURG**—Bruce Catton—Am. Heritage (Harper), 153 p., illus. in color; photographs, \$3.95. An account of the battle, by America's foremost Civil War authority.

**BIOLOGICAL BASIS OF BEHAVIOR: A Program**—F. J. McGuigan—Prentice-Hall, 238 p., illus., paper, \$5.25. Presents physiological procedures that underlie human behavior.

**BIOLOGY TEACHERS' HANDBOOK**—Joseph J. Schwab—Wiley, 585 p., illus., \$7. Compilation of materials designed to improve biological education at the secondary school level.

**BODY-BUILDING AND SELF-DEFENSE**—Myles Callum—Barnes and Noble, 141 p., photographs, paper, \$1.25. Canada \$1.35. Presents basic gymnastics and judo techniques which are illustrated in 125 photographs of athletes in workouts.

## NICKEL-CADMIUM BATTERIES.....95¢ ea. The Battery That's Used in Guided Missiles Now Released as Government Surplus

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**CAMERAS: THE FACTS 1963/64**, How They Work, What They Will Do, How They Compare—W. D. Emanuel and Andrew Matheson—Barnes, A. S., 295 p., illus., \$7.95. This guide to models of almost every brand of camera provides basis for comparison on specific factors.

**CERAMICS: Stone Age to Space Age**—Lane Mitchell, with Gilbert C. Robinson and others—Nat. Science Teachers Assn. (McGraw), 128 p., illus., photographs, \$2.50. Describes origins, physical and chemical properties, and products of earth materials.

**COLOR CHANGE MECHANISMS OF COLD-BLOODED VERTEBRATES**—H. Waring—Academic Press, 266 p., illus., \$9.50. A careful assessment of the present position of the vertebrate color change problem and a statement of new research goals.

**COMMUNICATIONS EQUIPMENT SCHEMATIC MANUAL**—Howard W. Sams and Co., Inc.—Sams, 128 p., diagrams, paper, \$3.95. Deals solely with radios operating in the 145- to 170-mc regions and gives schematic diagrams and basic theory for modern equipment.

**CREATURES OF THE DEEP**—Agnes McCarthy, illustrated by Edna Miller—Prentice-Hall, 79 p., illus., \$2.95. An informative book on life below the surface of the waves. A story book for children.

**ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS**—Patricia H. Suttles, Ed., John Guy Fowlkes, Consultant—Educators Progress Service, 20th ed., 342 p., paper, \$7.50. Annotated schedule of free maps, bulletins, pamphlets, exhibits, charts and books.

**ELEMENTS OF GEOLOGY**—James H. Zumberge—Wiley, 2d ed., 342 p., 4 color plates, illus., \$6.50. New material has been added to the 1958 ed. of this textbook for a combined course in physical and historical geology for the nonmajor in the subject.

**FIREFLIES IN THE NIGHT**—Judy Hawes, illustrated by Kazuo Mizumura—Crowell, unpag., illus., \$2.35. Presents information on fireflies and processes involved in the production of their light. For young children.

**THE FIRST BOOK OF FLORIDA**—Wyatt Blasingame—Watts, F., 89 p., map, photographs, \$2.50. Describes climate, peoples, history and recreation of the state. For young people.

**GLACIERS AND THE ICE AGE: Earth and Its Inhabitants During the Pleistocene**—Gwen Schultz—Holt, 128 p., illus., maps, photographs, \$2.50. Gives a picture of the earth and its inhabitants during this period.

**THE GREAT IDEAS TODAY, 1963**—Robert M. Hutchins, Mortimer J. Adler, Eds.—Encyclopaedia Britannica, 563 p., illus., \$10.00. This work relates the outstanding events of contemporary life and thought to the accumulated wisdom of the past.

**HEAT BIBLIOGRAPHY, 1962**—I. Murray, Ed., with Miss S. M. Munro—National Engineering Laboratory, HMSO (Brit. Inf. Serv.), 343 p., \$5. Technical references to sources on properties and processes of heat.

**HUMMINGBIRDS AND ORCHIDS OF MEXICO**—Rafael Montes de Oca, artist, Carolina Amor de Fournier, Ed.—Editorial Fournier, Mexico 20, D. F., 59 pages (12" x 18"), \$50. Meticulous watercolors of birds and flowers reproduced in full color with delicacy of the 1870 originals, by the Mexican naturalist and artist with up-to-date descriptive text by Rafael Martin de Campo and Norman Pelham Wright.

**INDUSTRIAL ELECTRONIC CIRCUITS HANDBOOK**—Edward Bukstein—Sams, 127 p., illus., paper, \$3.95. Author shows through the use of circuit diagrams, the techniques by which modern industrial processes are controlled by electronics.

**INFRARED PHYSICS AND ENGINEERING**—John A. Jamieson and others—McGraw, 673 p., illus., \$19. This work presents physical background and engineering considerations requisite to design of infrared systems.

**THE INHABITED UNIVERSE**—Kenneth W. Catland and Derek D. Dempster—Fawcett, 206 p., illus., paper, 60¢. This pocket size book explores man's origin and examines the possibilities of life on other planets.

**INSECT-EATING PLANTS**—Lynn and Gray Poole, illustrated by Christine Sapienza—Crowell, 87 p., illus., \$3.50. Describes operation, appearance and growing habits of the living floral traps.

**INTERNATIONAL DIRECTORY OF WOMEN'S ORGANIZATIONS: 75th Anniversary Souvenir Edition 1888-1963**—National Council of Women of the United States—Nat. Coun. of Women of the U.S., 152 p., illus., spiral bound, \$2.50. Vital statistics of women's voluntary organizations.

**THE INTERPROFESSIONAL TREATMENT OF THE DISTURBED AND DELINQUENT ADOLESCENT**—Alfred B. Amler and others—N. Y. Acad. of Sciences, 38 p., paper, \$2.50. Staff members of Hawthorne Cedar Knolls present reports of methodological advances in psychotherapy.

**LECTURES ON MODERN MATHEMATICS**, Vol. 1—T. L. Saaty—Wiley, 175 p., \$5.75. A series of six lectures on the major fields and development trends in mathematics.

**THE LEGEND OF NOAH: Renaissance Rationalism in Art, Science, and Letters**—Don Cameron Allen—Univ. of Ill. Press, 221 p., 24 plates, paper, \$1.45. The author's purpose is to trace the effect of the legend on the literary and artistic works in the 16th and 17th centuries.

**LOOK AT A FLOWER**—Anne Ophelia T. Dowden, illustrated by the author—Crowell, 120 p., illus., \$4.50. A guide to plant watching, and introduction to the floral world that may be used as a foundation for serious study.

**MAN-MADE TRANSURANIUM ELEMENTS**—Glenn T. Seaborg—Prentice-Hall, 120 p., illus., \$3.95, paper \$1.50. This work covers important aspects of post World War II chemistry.

**THE MEASUREMENT OF READABILITY**—George R. Klare—Iowa State Univ. Press, 328 p., \$4.50. A review of research literature in the field of readability together with an analysis of trends and conclusions to be drawn from existing data.

**METHODS OF FORENSIC SCIENCE, Vol. II**—Frank Lundquist, Ed.—Interscience, 301 p., illus., \$10. Authoritative descriptions of physical and chemical methods used in forensic medicine and crime investigation.

**ORDOVICIAN PALEONTOLOGY OF THE NORTHERN HUDSON BAY LOWLAND: The Geological Society of America Memoir 90**—Samuel J. Nelson—Geol. Soc. of Am., 145 p., 37 plates, illus., \$6.75. Primarily a technical description of fossils of the area, with conclusions regarding age relationships and correlation.

**PROGRAMS, '63: A Guide to Programed Instructional Materials Available to Educators by September 1963**—Lincoln F. Hanson, Ed. with Carol Christman and Gertrude Seidel—OE (GPO), 829 p., illus., \$2.50. Guide to programmed instructional material in all fields and grade levels.

**PUERTO RICO: The Quiet Revolution**—Homer Page, photographs by author—Viking, 175 p., illus., \$6.95. Traces the rise of Puerto Rico from poverty to progress, with photographic illustrations.

**RADIATION, GENES, AND MAN: Biological Aspects of Radiation Hazards**—Bruce Wallace and Th. Dobzhansky—Holt, 127 p., illus., photographs, \$2.50. Solid scientific basis for evaluating dangers of genetic damage to future of the human race, by two of the country's leading population geneticists.

**RECOVERY AND RECRYSTALLIZATION OF METALS**—W. C. Leslie, Chmn., and others; L. Himmel, Ed.—Interscience, 389 p., illus., graphs, \$20. Proceedings of a Symposium held in New York City, Feb. 20-21, 1962, summarizes recent progress in the field.

**RIVERS OF THE WORLD, Vol. 2: Rhine, Murray, Nile, St. Lawrence**—Geoffrey Whittam and others—Walck, H. Z., 128 p., illus., \$3.00. Describes the course, geography and role in history of selected rivers. For young people.

**SCIENCE PROJECTS IN ELECTRONICS**—Edward M. Noll—Sams, 144 p., illus., \$2.95. Introduction to basic principles of electronics through demonstrations and experiments.

**SEALS OF ARCTIC AND EASTERN CANADA**—A. W. Mansfield, illustrations by author—Fisheries Research Board of Canada (Queen's Printer), 30 p., illus., \$1. Provides means of identifying seals of the arctic and eastern Canada and summarizes facts of their life history.

**SMALL MOTORS YOU CAN MAKE**—John Michel—Van Nostrand, 89 p., drawings by Fred Mittleman, \$3.00. Construction of tools, worktables, motors and displays from common, handy materials. For young people.

**SNOW IS FALLING**—Franklyn M. Branley, illustrated by Helen Stone—Crowell, unpag., illus., \$2.35. Describes what makes snow, how flakes are formed, and gives uses and hazards of winter snow. For young children.

• Science News Letter, 84:252 Oct. 19, 1963

## Do You Know?

New cases of tuberculosis in North America decreased 46% from 1952 to 1960.

The forest industry provides full-time jobs for more than 1.3 million employees with an annual payroll of nearly \$6 billion.

The earth's crust is about 12 miles thick under the coast ranges and Central Valley of California.

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