

Books of the Week

Listing is for readers' information, not advertising. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge if price is less than \$2 to Book Department, Science Service, 1719 N St., N.W., Washington, D. C. 20036.

ADOLESCENT CHARACTER AND PERSONALITY—Robert J. Havighurst and Hilda Taba—Science Editions, 315 p., paper, \$1.65. Reprint (1949) of a study of factors in the development of youths in a typical midwestern town.

ADVENTURES IN PUBLIC SERVICE: The Careers of Eight Honored Men in the United States Government—Howard Simons and others, Delia and Ferdinand Kuhn, Eds.—Vanguard Press, 272 p., photographs, \$3.95. Short biographies of such men as Hugh L. Dryden of NASA and Thomas B. Nolan of the U.S. Geological Survey, all recipients of the Rockefeller Public Service Award.

ADVENTURING IN ARCHAEOLOGY—C. A. Burland—Warne, 64 p., 68 photographs, \$2.95. Tells boys and girls about excavating artifacts and how archaeologists piece together the stories of past ages and peoples.

ATOMS AFLOAT: The Nuclear Ship Savannah—Edward Radlauer and Ruth Shaw Radlauer—Abelard-Schuman, 124 p., photographs, \$3. Tells boys and girls about the design and building of the first U.S. nuclear-powered surface ship.

BEHAVIORAL INDIVIDUALITY IN EARLY CHILDHOOD—Alexander Thomas and others—N. Y. Univ. Press, 135 p., \$4.75. This study presents longitudinal investigation of a group of 130 children from birth through the first two years of life.

BREEDER OF DEMOCRACY—Philip Marson—Schenkman Pub. Co., 199 p., photographs, \$5.95. The history of the Boston Latin School, founded in 1635, about its faculty and the famous alumni it produced.

CANON OF ECLIPSES—Theodor Ritter von Oppolzer, transl. by Owen Gingerich, preface by Donald H. Menzel and Owen Gingerich—Dover, 376 p., 160 full-page charts, \$10. First published in 1887, this standard reference for eclipses, past and future, enables the reader to calculate the time of eclipses of the sun and moon. See also p. 407.

CELESTIAL OBJECTS FOR COMMON TELESCOPES, Vol. I: The Solar System. Vol. II: The Stars—T. W. Webb, ed. and rev. by Margaret W. Mayall—Dover, 255 p., 351 p., illus., paper, \$2.25 each. Revised and enlarged republication of sixth edition (1917).

CITIES—Lawrence Halprin—Reinhold, 224 p., 490 photographs, \$15. About the landscapes of cities, the elements that contribute to urban living, such as pavement, trees, sculpture, water, roofs and open spaces.

THE CLINICAL METHOD IN PSYCHOLOGY—Robert I. Watson—Science Editions, 779 p., paper, \$2.45. Reprint (1951), designed as an advanced undergraduate or graduate text.

COLOR TV SERVICING MADE EASY—Wayne Lemons and Carl Babcoke—Sams, 192 p., illus., paper, \$2.95. Servicing procedures arranged by make and model for easy reference.

CRESTWOOD HEIGHTS: A Study of the Culture of Suburban Life—John R. Seeley, R. Alexander Sim and Elizabeth W. Loosley; introd. by David Riesman—Science Editions, 505 p., paper, \$2.45. Reprint (1956).

THE ECOLOGY OF NORTH AMERICA—Victor E. Shelford—Univ. of Ill. Press, 610 p., photo-

graphs, maps, \$10. Comprehensive description of biotic communities in North America as they existed before European settlement.

ELECTROCHEMISTRY OF GERMANIUM AND SILICON—E. A. Efimov and I. G. Erusalimchik, transl. by Adam Peiperl, figures reprod. by Alexander W. Fowler—Sigma Press, 199 p., diagrams, \$11. Treats systematically the investigations of Soviet and foreign scientists of the structure of the electric double layer at the semiconductor-electrolyte interface and the kinetics of the anodic dissolution of germanium and silicon.

ERROR AND ECCENTRICITY IN HUMAN BELIEF (formerly titled: Wish and Wisdom, Episodes in the Vagaries of Belief)—Joseph Jastrow—Dover, 394 p., illus., paper, \$1.85. Reprint (1935).

FIELD ARCHERY AND BOWHUNTING—Arnold O. Haugen and Harlan G. Metcalf—Ronald Press, 213 p., photographs, \$5.50. On the techniques for field and hunting archery, the history of archery and the development of modern bow hunting.

HOW TO BUILD TINY ELECTRONIC CIRCUITS—Morris Moses—Gernsback Lib., 191 p., photographs, diagrams, paper, \$4.15. A practical approach to miniaturization, components and techniques, with description of miniature projects and devices.

THE IMPACT OF NUCLEAR ENERGY ON SOCIETY: The Kennecott Lecture Series 1963—Sam H. Schurr and others—Univ. of Ariz. Press, 79 p., paper, single copies free upon request direct to publisher, 1005 North Palm Rd., Tucson, Ariz. On atomic power and the uses of radioactive isotopes.

MATHEMATICAL CRYSTALLOGRAPHY and **The Theory of Groups of Movements**—Harold Hilton—Dover, 262 p., diagrams, paper, \$2. Reprint (1903).

MATHEMATICAL THEORIES OF PLANETARY MOTIONS—Otto Dziobek, transl. by Mark W. Harrington and William J. Hussey—Dover, 294 p., paper, \$2. Reprint (1892).

MATTER—Ralph E. Lapp and the Editors of LIFE—Time Book Div., 200 p., illus., \$3.95 direct to publisher, 540 Mich. Ave., Chicago, Ill. This second volume in the Life Science Library explores the complex universe of matter in picture-essay form.

MEN OF SPACE, Vol. 6: Profiles of Scientists Who Probe for Life in Space—Shirley Thomas—Chilton Bks., 286 p., photographs, \$5.95. Biographies of such scientists as P. H. Abelson, M. Calvin, H. C. Urey and S. L. Miller.

THE MODELING OF MIND: Computers and Intelligence—Kenneth M. Sayre and Frederick J. Crosson, Eds.—Univ. of Notre Dame Press, 275 p., \$7.95. Articles concerned with the philosophy of mental acts and the computer-oriented technology of the simulation of mental behavior.

MODERN DEVELOPMENTS IN AUDIOLOGY—James Jerger, Ed.—Academic Press, 446 p., illus., \$12. Treatise incorporates research developments of the decade, intended for audiologists and researchers in related fields.

NOW TRY THIS, Book 5: Projects, Problems and Tests to Accompany "Science in Our World"—Herman and Nina Schneider, Elliott and Rose Blaustein—Heath, 172 p., illus., paper, \$1.24. Activity book with concept tests and experiments.

PICTORIAL ENCYCLOPEDIA OF THE ANIMAL KINGDOM—V. J. Stanek; C. Lavett Smith and others, Consultants for the American Edition—Crown Pubs., 614 p., more than 1,000 photographs, \$10. For reference and browsing through the world of protozoa, metazoa, mollusks, arthropods, crustaceans and other groups of the animal kingdom.

PRIMER OF FIGURE SKATING—Maribel Y. Vinson—McGraw, 181 p., illus., paper, \$2.45. Reprint (1938) of detailed discussion of the technicalities of figure skating.

PROGRAMMED INSTRUCTION: A Manual of Programming Techniques—Dale M. Brethower—Educational Methods, 268 p., \$7.50. A self-instructional program, provides layman with a systematic introduction to programmed instruction.

REACTOR SAFETY: A Literature Search—Richard J. Smith—AEC (OTS), 134 p., paper, \$2.50. Lists a total of 1,906 references to unclassified reports.

• Science News Letter, 84:408 Dec. 28, 1963

ASTRONOMY

For Everyone

Enjoy **SKY AND TELESCOPE** magazine monthly. Profusely illustrated. Observing and telescope making departments, monthly star and planet charts. Subscription in U.S.: \$6.00, 1 year; \$11.00, 2 years. Sample copy 60¢.

SKY AND TELESCOPE Cambridge 38, Mass. Dept. SNL

AGRICULTURE

Light Suppresses Growth In Alaska Potatoes

►THE POTATO TUBER shows no visible growth when exposed to light shortly after harvest.

In freshly harvested Alaska-grown potato tubers, there is a "rest period" during which time there is no visible sprout growth, Donald H. Dinkel of the Alaska Agricultural Experiment Station, Palmer, Alaska, reported in *Science*, 141:1048, 1963.

After this "rest period," the potato will sprout—but only if placed in the dark.

If the potatoes are subjected to light, sprout growth is suppressed for a period of several months. This photosensitive response disappears after storage or after a period of time, when planted.

• Science News Letter, 84:408 Dec. 28, 1963

PHARMACOLOGY

Pharmaceutical Projects Featured in Handbook

►A NEW Pharmaceutical Sciences Project Handbook has been prepared for high school science students by the American Pharmaceutical Association. Experiments are described in detail, including procedures, precautions, discussion, references, and often suggest other related projects.

Projects cover emulsions, adsorption, cosmetics, osmosis, solutions, chromatography, extractions, alkaloids, and transformation and effects of drugs.

The American Pharmaceutical Association knows its readers. Since 1960, pharmacists from the researcher to the neighborhood druggist have been giving awards to top young scientists through their national association in the form of awards at the National Science Fair-International.

This contact with and knowledge of young scientists inspired the Handbook.

The Handbook has been distributed free to sponsors of science clubs affiliated with Science Clubs of America, an activity of SCIENCE SERVICE, Washington. SCIENCE SERVICE also administers the National Science Fair-International.

Copies are available from the American Pharmaceutical Association, 2215 Constitution Ave., Washington, D. C., for 25¢, with bulk rates. Local pharmacists and pharmaceutical associations will cooperate with students in the utilization of the Handbook.

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GENERAL SCIENCE

Time Capsule Contents Planned at World's Fair

►CONTENTS of a time capsule to be buried next to a 1938 capsule at the close of the upcoming World's Fair in New York are being selected by a special committee headed by Dr. Leonard Carmichael, Secretary of the Smithsonian Institution, Washington, D. C. Contents will be displayed in the Westinghouse Time Capsule pavilion at the Fair. The capsule is to remain underground for the next 5,000 years.

• Science News Letter, 84:408 Dec. 28, 1963

LIVE! micro-ZOO

FASCINATING NEW KIT provides thousands of specimens of live tropical protozoans for low-power microscopes. Just add water. micro-ZOO grows in hours in a paper cup—lasts for weeks! Kit contains selected species of encysted protozoans, food, and decelerator for slow motion study. \$1.00. At your Science Museum, or direct from micro-ZOO, Dept. S, Box 334, South Miami, Florida.

Art of Argument

By Giles St. Aubyn

Here is a clear, simply written basic guide to logical thinking, showing how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only how but also why people resist facing the truth.

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