

# 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.

**AFRICAN SCULPTURE**—Ladislas Segy—*Dover*, 163 pl., illus. with photographs by the author, paper, \$2. Some 50 years ago it was discovered that ancient African art includes what are believed to be modern art trends.

**THE ARCHAEOLOGY OF CENTRAL AND SOUTHERN HONDURAS**—Doris Stone—*Peabody Museum*, 134 p., 84 pl., paper, \$5.85. Honduras is particularly interesting archaeologically as a meeting ground of various pre-Columbian peoples and because living descendants of some of these aboriginal inhabitants are to be found there today.

**ARCHITECTS' YEAR BOOK 8**—Trevor Dannatt, Ed.—*Philosophical Lib.*, 223 p., illus., \$10. Articles cover the development of thought in architecture. Illustrations show examples of ancient as well as modern structures.

**BASIC CONCEPTS IN CHEMISTRY**—George W. Watt—*McGraw-Hill*, 538 p., illus., \$6.50. An elementary college text with the content delimited judiciously so as not to teach too much too early.

**BIOLOGICAL ULTRASTRUCTURE**—Arne Engström and J. B. Finean—*Academic*, 326 p., illus., \$8. An introduction to the field for students in a variety of areas.

**COMMUNICATION, ORGANIZATION, AND SCIENCE**—Jerome Rothstein, foreword by C. A. Muses—*Falcons Wing*, 110 p., illus., \$3.50. The author indicates that communication and measurement, the two elements on which science is built, have the same underlying structure.

**THE COMMUNITY OF THE FUTURE: And the Future of Community**—Arthur E. Morgan—*Community Service*, 166 p., \$3. The author, engineer and administrator, expresses the hope that the community of the future will save what is vital in village life while capturing the desirable qualities of urban life.

**DIRECTORY OF INDEPENDENT COMMERCIAL LABORATORIES PERFORMING RESEARCH AND DEVELOPMENT 1957**—*Govt. Printing Office*, National Science Foundation, 59 p., paper, 40¢.

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A total of 175 commercial laboratories reported expenditures of \$24,000,000. But, although the scientific personnel ranged from one to over 400, over 50% employ fewer than four persons.

**DRUG RESISTANCE IN MICRO-ORGANISMS, CIBA FOUNDATION SYMPOSIUM: Mechanisms of Development**—G. E. W. Wolstenholme and Cecilia M. O'Connor, Eds.—*Little*, 352 p., illus., \$9. Providing a "glimmering of an indication" that microbial drug resistance may ultimately be brought under control.

**THE FIRST BOOK OF THE EARTH**—O. Irene Sevrej—*Watts, F.*, 63 p., illus. with drawings by Mildred Waltrip, \$1.95. Depicting the earth as a picture book telling the story of its construction, history and inhabitants. For children.

**GERMAN-ENGLISH GLOSSARY OF NEUROPHYSIOLOGY**—Roger Merritt Morrell, Ed.—*Consultants Bureau*, 181 p., paper, \$7.50. Intended to aid in the elimination of language barriers.

**GROWTH OF CRYSTALS: Reports at the First Conference on Crystal Growth, 5-10 March 1956**—In English Translation—A. V. Shubnikov and N. N. Sheftal, Eds.—*Academy of Sciences USSR (Consultants Bureau)*, 294 p., illus., paper, \$15. Containing 43 of the papers presented at this conference attended by more than 400 representatives of various branches of Soviet science and industry.

**THE GUINEA PIG IN RESEARCH: Biology, Nutrition, Physiology**—Mary Elizabeth Reid—*Human Factors Research Bureau*, 87 p., illus., paper, \$2. Describing the known dietary needs of this common laboratory animal and some aspects of its physiology which may increase its usefulness in medical research.

**LATE NAZCA BURIALS AT CHAVINA, PERU**—S. K. Lothrop and Joy Mahler—*Peabody Museum*, 61 p., 21 pl., paper, \$4.50. Among the finds were examples of the earliest known casting on the south coast of Peru. A radiocarbon date shows that the burials were made about 1320 years ago.

**MAN-MADE SATELLITES**—Willy Ley—*Guild Press (Simon and Schuster)*, rev. ed., 44 p., illus. with drawings by John Polgreen, \$1. A simple description of the artificial satellite and what puts and keeps it in space.

**MATHEMATICAL FOUNDATIONS OF INFORMATION THEORY**—A. I. Khinchin, translated by R. A. Silverman and M. D. Friedman—*Dover*, 120 p., paper, \$1.35. Student edition of a contemporary Russian text.

**THE MEASUREMENT OF COLOUR**—W. D. Wright

—*Macmillan*, 263 p., illus., \$10.75. Showing how colors can be matched or reproduced in objective ways.

**METHYL GLUCOSIDE: Preparation, Physical Constants, Derivatives**—G. N. Bollenback—*Academic*, 183 p., illus., \$5.50. Data accumulating over a period of years in the literature are here assembled as a source of reference for those interested in these potentially important polyols.

**NUCLEAR REACTOR PLANT DATA: Volume One, Power Reactors**—J. L. Everett, Committee Chairman—*Am. Soc. of Mechanical Eng.*, 64 p., illus., paper, \$3. Information about the types of reactor plants and their experimental prototypes that are designed to produce electric power.

**ORGANIC ELECTRODE PROCESSES**—Milton J. Allen—*Reinhold*, 174 p., illus., \$6.50. For the organic chemist but also for the novice.

**THE RADIO AMATEUR'S HANDBOOK**—Headquarters Staff, ARRL—*American Radio Relay League*, 35th ed., 584 p., illus., paper, \$3.50. Standard manual and source of up-to-date information for radio "hams."

**RADIOISOTOPES: A New Tool for Industry**—Sidney Jefferson, foreword by Henry Seligman—*Philosophical Lib.*, 110 p., illus., \$4.75. To give businessmen insight into the varied ways in which industry can benefit from the use of radioisotopes.

**ROCKET EXPERIMENT SAFETY: Safety Suggestions for the Rocket Hobbyist**—DeWitt O. Myatt, David M. Paul and others—*Atlantic Research Corp.*, 36 p., illus., paper, single copies free upon request direct to publisher, 901 N. Columbus St., Alexandria, Va. Telling the youthful or amateur scientist how to avoid painful or fatal accidents from which nothing is learned but which may frighten others away from this fascinating field.

**SCIENCE AND HUMAN VALUES**—J. Bronowski—*Messner*, 94 p., illus., \$3. A British scientist discusses engagingly and concisely the creative mind, the habit of truth and the sense of human dignity.

**SPACE PILOTS**—Willy Ley—*Guild Press (Simon and Schuster)*, 44 p., illus. with drawings by John Polgreen, \$1. Telling simply what may be expected to happen when man first ventures into space.

**SPACE RESEARCH AND EXPLORATION**—D. R. Bates, Ed.—*Sloane (Morrow)*, 287 p., illus., \$4. A pre-Sputnik book emphasizing general scientific principles rather than technical details.

**THREE DIMENSIONAL DYNAMICS: A Vectorial Treatment**—C. E. Easthope—*Academic*, 277 p., \$7.80. An introduction to the subject for second and third year honor students.

**TURBOJET FUNDAMENTALS**—Howard E. Morgan—*McGraw-Hill*, 2d ed., 104 p., illus., \$4. An introduction to theory and operating principles. Originally prepared by Douglas Aircraft for training their own personnel.

Science News Letter, March 29, 1958

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