

Seamanship. T. F. Wickham. Philosophical Library, New York, 1956. 192 pp. \$3.75.

Process Chemistry. F. R. Bruce, J. M. Fletcher, H. H. Hyman, J. J. Katz. McGraw-Hill, New York; Pergamon, London, 1956. 407 pp. \$12.

Irrigation Engineering. vol. II, *Projects, Conduits, and Structures*. Ivan E. Houk. Wiley, New York; Chapman & Hall, London, 1956. 531 pp. \$14.

Margarine and Other Food Fats. Their history, production and use. M. K. Schwitzer. Interscience, New York, 1956. 385 pp. \$7.

Matrix Calculus. E. Bodewig. North-Holland, Amsterdam; Interscience, New York, 1956. 334 pp. \$7.50.

Nerve Impulse. Transactions of the Fifth Conference, 20-22 Sept. 1954, Princeton, N.J. David Nachmansohn and H. Houston Merritt. Josiah Macy, Jr. Foundation, New York, 1956. 256 pp. \$4.50.

Group Processes. Transactions of the Second Conference, 9-12 Oct. 1955, Princeton, N.J. Bertram Schaffner, Ed. Josiah Macy, Jr. Foundation, New York, 1956. 255 pp. \$3.50.

The Push-Button World. Automation today. E. M. Hugh-Jones, Ed. University of Oklahoma Press, Norman, 1956. 158 pp. \$3.75.

Clinical Chemistry, Principles and Procedures. Joseph S. Annino. Little, Brown, Boston, Mass., 1956. 280 pp. \$7.50.

Body Measurements and Human Nutrition. Josef Brožek, Ed. Wayne University Press, Detroit, 1956. 167 pp. \$3.50.

Progress in Cosmic Ray Physics. vol. III. J. G. Wilson, Ed. North-Holland, Amsterdam; Interscience, New York, 1956. 420 pp. \$10.50.

Fundamentals of Chemistry and Applications. Chosen from inorganic, organic and biochemistry, with applications in physiology, microbiology, nutrition, and everyday concerns. Charlotte A. Francis and Edna C. Morse. Macmillan, New York, ed. 4, 1956. 543 pp. \$6.

Aerodynamics, Propulsion, Structures and Design Practice. vol. II of *Principles of Guided Missile Design*. Van Nostrand, Princeton, N.J., 1956. 595 pp. \$10.

Legg-Calvé-Pethes Syndrome and Related Osteochondroses of Youth. Charles W. Goff in association with Ned M. Shutkins and Myerma R. Hersey. Thomas, Springfield, Ill., 1954. 332 pp. \$10.75.

Foundations of the Theory of Probability. A. N. Kolmogorov. Translation edited by Nathan Morrison. Chelsea, New York, English ed. 2, 1956. 84 pp. \$2.50.

Evolution: The Ages and Tomorrow. G. Murray McKinley. Ronald Press, New York, 1956. 275 pp. \$4.

Jenaer Jahrbuch 1955. Carl Zeiss Jena. Fischer, Jena, 1955. 150 pp. DM. 14.

Handbook of Histology (Formerly *Handbook of Microscopic Characteristics of Tissues and Organs*). Karl A. Stiles, Blakiston Div., McGraw-Hill, New York, ed. 4, 1956. 240 pp. \$3.

Progress in Nuclear Energy. Series II, *Reactors*. R. A. Charpie, D. J. Hughes, D. J. Littler, M. Trocheron, Eds. McGraw-Hill, New York; Pergamon, London, 1956. 492 pp. \$14.

An Introductory Course in College Physics. Newton Henry Black and Elbert Payson Little. Macmillan, New York, ed. 4, 1956. 786 pp. \$6.75.

Air Pollution Handbook. Paul L. Magill, Francis R. Holden, Charles Ackley, Eds. McGraw-Hill, New York, 1956. 720 pp. \$15.

Elements of X-Ray Diffraction. B. D. Cullity. Addison-Wesley, Reading, Mass., 1956. 514 pp. \$10.

Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

A Classificational Catalog of the Meteoritic Falls of the World. Frederick C. Leonard. University of California Press, Berkeley, 1956. 79 pp. \$1.75.

The Culture and Acculturation of the Delaware Indians. Anthropological Papers, Museum of Anthropology, University of Michigan, No. 10. William W. Newcomb, Jr. University of Michigan, Ann Arbor, 1956. 141 pp. \$2.

Histology of the Ovary of the Adult Mealworm Tenebrio Molitor L. (Coleoptera, Tenebrionidae). University of California Publ. in Entomology, vol. 11, No. 6. Loren L. Schlottman and Philip F. Bonhag. 44 pp. \$0.75. *Responses of Vegetation to Fire*. A study of herbaceous vegetation following chapparral fires. University of California Publ. in Botany, vol. 28, No. 4. James R. Sweeney. 108 pp. \$2. University of California, Berkeley, 1956.

Organization of the Federal Government for Scientific Activities. 349 pp. \$1.75. *Federal Support for Science Students in Higher Education*. 33 pp. \$0.30. National Science Studies. National Science Foundation, Washington 25, 1956 (order from Supt. of Documents, GPO, Washington 25).

Education for National Survival. A handbook on civil defense for schools. 88 pp. \$0.65. *Pupil Transportation Responsibilities and Services of State Departments of Education*. Misc. No. 27. E. Glenn Featherston and Robert F. Will. 39 pp. \$0.35. U.S. Office of Education, Washington, 1956 (order from Supt. of Documents, GPO, Washington 25).

The Year Book of the International Council of Scientific Unions 1956. Secretary-General, ICSU, c/o Royal Society, Burlington House, Piccadilly, London, W.1. 83 pp. 5s.

Gladys A. Reichard. A booklet published by Barnard College in memory of Gladys A. Reichard. Barnard College, New York, 1956. 32 pp.

Study on the Use of Science Counselors. Science Teaching Improvement Program, American Association for the Advancement of Science, Washington, 1956. 16 pp.

Symposium on the Role of Some of the Newer Vitamins in Human Metabolism and Nutrition. Proceedings of the Nutrition Symposium held at Vanderbilt University School of Medicine, Nashville, Tennessee, 20-21 Oct. 1955. Nutrition Symposium Ser. 12. National Vitamin Foundation, New York 22, 1956. 137 pp. \$2.50.

Thirty-Ninth Annual Report of the National Research Council of Canada 1955-56. N.R.C. 3970. National Research Council of Canada, Ottawa, 1956. 50 pp.

Flexible Culverts under High Falls. Highway Research Bd. Bull. 125. National Academy of Sciences-National Research Council, Washington, 1956. 177 pp. \$3.30.

Fossil Tubulidentata from East Africa. Fossil Mammals of Africa, No. 10. D. G. MacInnes. 38 pp. £1. *The Evolution of Ratites*. Bull., zoology, vol. 4, No. 2. Gavin de Beer. 14 pp. 10s. *A Preliminary Revision of the Family Trichiuridae*. Studies on the Trichiuroid Fishes—3. Bull., zoology, vol. 4, No. 3. Denys W. Tucker. 57 pp. £1. British Museum (Natural History), London, 1956.

Television in Our Schools. Bull. 1952, No. 16, revised 1956. Franklin Dunham and Ronald R. Lowdermilk. U.S. Office of Education, Washington, 1956 (order from Supt. of Documents, GPO, Washington 25). 38 pp. \$0.20.

Teacher Exchange Opportunities and Summer Seminars. For American elementary, secondary, and junior college teachers under the International Education Exchange Program, 1957-58. U.S. Office of Education, Washington, 1956. 15 pp.

Radar-Synoptic Analysis of Hurricane Edna, 1954. Geophysical Research Papers No. 50. Edwin Kessler, III, and David Atlas. Geophysics Research Directorate, Air Force Cambridge Research Center, Bedford, Mass., 1956 (order from U.S. Department of Commerce, Office of Technical Services, Washington 25). 113 pp.

Basic Mechanisms in Radiobiology. pt. IV. *Cellular Aspects*. Nuclear Science Ser. Rept. No. 18. Harvey M. Patt and E. L. Powers, Eds. National Academy of Sciences-National Research Council, Washington, 1956. 190 pp.

Mesoamerican Notes. No. 4. Dept. of Anthropology, Mexico City College, Mexico, D.F. 92 pp. \$1.50.

Alcoa Aluminum Handbook. Aluminum Company of America, Pittsburgh, Pa., 1956. 175 pp.

Role Conflict and Instructor Effectiveness at the Air Command and Staff School. AFPTRC-TN-56-41. Jacob W. Getzels and Egon G. Guba. 99 pp. *Development of an Interview Procedure for USAF Officer Applicants*. AFPTRC-TN-56-43. Michael A. Zaccaria et al. 29 pp. *Comparison of Performance upon the E-4 Fire Control System Simulator and Upon Operational Equipment*. AFPTRC-TN-56-47. Guy G. Besnard and Leslie J. Briggs. 15 pp. *Development of Motivation Keys for the Armed Forces Qualification Test Forms 3 and 4*. AFPTRC-TN-56-60. Jane McReynolds. 16 pp. *The Construction of Spatial Orientation Items by Means of a Cyclorama*. AFPTRC-TN-56-61. Frederick B. Davis. 16 pp. *The Airmen's Proficiency School: An Approach to the Problem of Adaptation and Motivation in the Air Force*. AFPTRC-TN-56-57. Carson Y. Nolan, Forrest R. Ratliff, Harold W. Richey. 11 pp. Air Force Personnel & Training Research Center, Lackland Air Force Base, San Antonio, Texas, 1956.

National Tuberculosis Association, Annual Report, Apr. 1955-Mar. 1956. The Association, New York, 1956. 40 pp.