

order. A separate chapter on "Insect study activities and projects" describes many basic techniques of insect rearing and study that could be quite valuable in arousing an interest in insect research.

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An Annotated Bibliography of Submarine Technical Literature: 1557 to 1953. Committee on Undersea Warfare. National Research Council, Washington, D.C., 1954. xiii + 261 pp. Paper, \$1.50.

Divided into eight sections, this bibliography of unclassified material concerning submarine development is the first compilation of such data since World War I. The first section, which embodies material related to nontechnical and historical data, is followed by sections that are technical and specific. The classifications within the sections are further divided by subheadings. For example, section 6, "The submarine in war," has two subheadings: "Submarine warfare operations" and "Effectiveness and potentialities." The first of these has four subheadings that give the data in the time sequence of: prior to 1914; 1914-18, 1919-38; and 1939-52. Under the subheading "1914-1918 inclusive," there are three divisions that group the material according to "General," "Germany," and "Other countries." Titles of foreign documents have been translated as an aid to clarifying the content thereof. There is a table of contents, a list of sources searched, and an author index.

New Books

Industrial and Manufacturing Chemistry. pt. I, *Organic*; ed. 7; 752 pp. pt. II (in 2 vols.), *Inorganic*; ed. 6; 1091 pp. Geoffrey Martin. Philosophical Library, New York, 1955. \$50 per set.

Elements of Zoology. Publ. in the Zoological Sciences. Tracy I. Storer and Robert L. Usinger. McGraw-Hill, New York-London, 1955. 552 pp. \$5.50.

The Story of Man and the Stars. Patrick Moore. Norton, New York, 1955. 246 pp. \$3.95.

Einführung in die Medizinische Psychologie. Für Mediziner und Psychologen. Georg Destunis. De Gruyter, Berlin, 1955. 218 pp. DM. 22.

Microwave Spectroscopy. International Ser. in Pure and Applied Physics. C. H. Townes and A. L. Schawlow. McGraw-Hill, New York-London, 1955. 698 pp. \$12.50.

Causalités et accidents de la découverte scientifique. Illustration de quelques étapes caractéristiques de l'évolution des sciences. R. Taton. Masson, Paris, 1955. 168 pp. F. 980.

Electro-Technology. Basic theory and circuit calculations for electrical engineers. M. G. Say. Philosophical Library, New York, 1955. 167 pp. \$6.

Industry and Tropical Health: II. Proceedings of the second conference of the Industrial Council for Tropical Health. Harvard School of Public Health, Boston, 1955. 266 pp. \$10.

Prácticas de Fisiología. Eduardo Briese. Instituto de Fisiología, Universidad de los Andes, Merida, Venezuela, 1955. 232 pp.

Crust of the Earth. A symposium. Arie Poldervaart, Ed. Geological Soc. of America, New York, 1955. 762 pp. \$6.50.

Problèmes de structures, d'ultrastructures et de fonctions cellulaires. J. André Thomas. Masson, Paris, 1955. 358 pp. Paper, F. 3000.

The Decline of Wisdom. Gabriel Marcel. Philosophical Library, New York, 1955. 56 pp. \$2.50.

Pilot Plant Techniques of Submerged Fermentation. Special English edition of Rendiconti Istituto Superiore di Sanita, vol. 17. Fondazione Emanuele Paterno, Rome, 1954 (Distrib. by Interscience, New York). 243 pp. Paper, \$8.10.

Miscellaneous Publications

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

Observations de la radiation solaire durant l'éclipse de soleil du 30 juin 1954. Publ. Ser. B, No. 13. R. Dogniaux. 1954. 11 pp. *Les périodes de grands froids en Belgique (1901-1954).* No. 14. A. Vandenplas. 1954. 29 pp. *Sur les transformations adiabatiques et isobariques dans l'atmosphère.* No. 15. L. Dufour. 1954. 10 pp. *Les aspects météorologique et climatologique des pollutions atmosphériques.* Contrib. No. 16. L. Poncelet. 1954. 15 pp. *L'aéronomie et sa nomenclature.* No. 17. M. Nicolet. 1954. 6 pp. *Etude du climat de la radiation en Belgique.* No. 18. R. Dogniaux. 1954. 54 pp. *Sur l'organisation de la météorologie agricole en Belgique.* No. 19. A. Vandenplas. 1955. 13 pp. Institut Royal Météorologique de Belgique, Brussels.

Current Research in Human Fertility. Papers presented at the 1954 annual conference of the Milbank Memorial Fund. The Fund, New York, 1955. 162 pp. \$1.

Scientific Research Activities of Mellon Institute, 1954-1955. Annual Rpt. Ser. No. 42. The Institute, Pittsburgh, Pa., 1955. 53 pp.

Soviet Bloc Economic Activities in the Free World. Mutual Defense Assistance Control Act of 1951. Sixth report to Congress, second half of 1954 (Order from Supt. of Documents, GPO., Washington 25). 100 pp. \$0.35.

Paleozoic and Mesozoic Rocks of Gros Ventre, Teton, Hoback, and Snake River Ranges, Wyoming. Geological Soc. of America Mem. 63. Harold R. Wanless, Ralph L. Belknap, and Helen Foster. The Society, New York 27, 1955. 90 pp.

Humanitas. Revista de la facultad de Filosofia y Letras. Universidad Nacional de Tucuman, Argentina, 1954. 525 pp.

Revision of Some Recent Foraminiferal Genera. Smithsonian Misc. Coll. vol. 128, No. 5. Alfred R. Loeblich, Jr., and Helen Tappan. The Institution, Washington, D.C., 1955. 37 pp.

Annual Report (1954) of East Malling Research Station. Kent Incorporated Soc. for Promoting Experiments in Horticulture, Kent, Eng., 1955. 170 pp. \$2.

Chronic Pancreatitis and Multiple Sclerosis. E. P. Evans. The author, 1088 Pembina Highway, Fort Garry, Manitoba, Canada, 1955. 16 pp. \$1.

Units of Weight and Measure—Definitions and Tables of Equivalents. Misc. Publ. 214. U.S. Dept. of Commerce, Natl. Bur. of Standards, 1955 (Order from Supt. of Documents, GPO, Washington 25). 64 pp. \$0.40.

A Radiation Counting System for Recording Rapidly Varying Count Rates. Bull. No. 59. Frances M. Richardson and Harold A. Lamonds. Dept. of Engineering Research, North Carolina State College, Raleigh, 1955. 13 pp. \$0.35.

Bird Houses, Baths and Feeding Shelters. How to make and where to place them. Edmund J. Sawyer. Cranbrook Institute of Science, Bloomfield Hills, Mich., 1955. 36 pp. \$0.50.

Application of Dimensional Analysis to the Relationship between Velocity of Sound and Physical Properties in Organic Liquids. Eng. Expt. Sta. Ser. No. 100, vol. XLVIII, No. 8. Dudley Thompson and N. N. Bakhshi. Virginia Polytechnic Inst., Blacksburg, 1955. 26 pp.

Studies on the Ecology and Sedimentation of Matsukawa—Ura, Soma City, Fukushima Prefecture (No. 1). Contrib. No. 45 of the Inst. of Geology and Paleontology. 96 pp. *The Science Reports of the Tohoku University.* Ser. 2 (Geology), vol. XXVI. 114 pp. Tohoku Univ., Sendai, Japan, 1955.

Manpower Needs in Highway Engineering. Highway Research Bd. Bull. 106. Natl. Acad. of Sciences-Natl. Research Council, Washington, D.C., 1955. 30 pp. \$0.60.

Anales. vol. III, No. 4. Ministerio de Agricultura. Instituto Nacional de Investigaciones Agronomicas, Madrid, 1954. 586 pp.

Supplement to a Survey Report on Human Factors in Undersea Warfare. Panel on Psychology and Physiology of Committee on Undersea Warfare. Natl. Acad. of Sciences-Natl. Research Council, Washington, 1949. 541 pp.

Native Land. National Assoc. of Manufacturers, New York 17, 1955. 46 pp. \$0.10.

Notropis Asperifrons, A New Cyprinid Fish from the Mobile Bay Drainage of Alabama and Georgia, with Studies of Related Species. Zoology, vol. 3, No. 1. Royal D. Suttkus and Edward C. Raney. Tulane Univ., New Orleans, La., 1955. 33 pp. \$0.50.

Mass Transfer—Transport Properties. vol. 151, No. 16. F. J. Van Antwerpen, Ed. American Inst. of Chemical Engineers, New York 36, 1955. 120 pp.

Chemical Composition of Parthian Coins. Numismatic Notes and Monogr. No. 129. Earle R. Caley. American Numismatic Soc., New York, 1955. 104 pp. \$2.50.