

by Nature." However, the book is full of hard-won information, and Sick's descriptions of the thunderous onslaught of the rainy season and of the daily and seasonal habits of the wild-life may be ranked among the classic passages of their kind. There is a useful glossary-index and 40 fine photographs.

Sick measures well the insect menace to health and the difficulty of preparing primitive peoples for civilization. In contrast to those who would rough-hew half a continent with shorter vision, he favors the establishment of a large protective reserve that would "awaken the interest and admiration of the world."

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Nouveau traité de chimie minérale. vol. 16, group 7, *Fluor, chlore, brome, iode, astate, manganese, technetium, rhenium*. xxxix + 1195 pp. Illus. 1960. Paper, F. 170; cloth, F. 185. vol. 18, group 8, *Complexes du fer, du cobalt, et du nickel*. xxxix + 944 pp. Illus. 1959. Paper, F. 9500; cloth, 10,700. Paul Pascal, Ed. Masson, Paris.

Of the proposed 20-volume *Nouveau traité de chimie minérale*, ten volumes have appeared in print: volumes 1, 3, 4, 10, 11, 12, 14, 16, 18, and 19; and the following have been reviewed in *Science*: volumes 1 and 10 [125, 401 (1957)]; volume 3 [128, 138 (1958)]; volume 4 [129, 636 (1959)]; volumes 11 and 14 [129, 1355 (1959)].

Volume 16 covers the elements fluorine, chlorine, bromine, iodine, astatine, manganese, technetium, and rhenium. In volume 18 the complex compounds of iron, cobalt, and nickel are covered.

I have not seen volume 12, covering vanadium, niobium, tantalum, and protoactinium, nor volume 19, covering ruthenium, rhodium, palladium, osmium, iridium, and platinum.

The original intention was to complete the treatise between 1956 and 1960. The rate at which the individual volumes have been appearing indicates that the remaining volumes could be published fairly soon.

RALEIGH GILCHRIST

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New Books

Advances in Carbohydrate Chemistry. vol. 14. Melville L. Wolfrom, Ed. Academic Press, New York, 1959. 537 pp. \$15. Among the research areas covered are the amino sugars, the hemicelluloses, and the inositols; an obituary of Geza Zemplén is included.

Anatomy. Regional and applied. R. J. Last. Little, Brown, Boston, ed. 2, 1959. 457 pp. \$15.

Anatomy and Physiology of Speech. Harold M. Kaplan. McGraw-Hill, New York, 1960. 374 pp. \$8.50.

Advances in Veterinary Science. vol. 5. C. A. Brandy and E. L. Jungherr, Eds. Academic Press, New York, 1959. 461 pp. \$14. Topics covered in this volume include eye examination and operations, Q fever, rabies, eradication of the tsetse fly in the Union of South Africa, theilerioses, and tissue culture in veterinary medical research.

Annual Review of Entomology. vol. 5. Edward A. Steinhaus and Ray F. Smith, Eds. Annual Reviews, Palo Alto, Calif., 1960. 458 pp. \$7. Includes a cumulative chapter-titles index for vols. 1-5.

The Application of Genetics to Cotton Improvement. Sir Joseph Hutchinson. Cambridge Univ. Press, New York, 1959. 95 pp. \$3.

Bananas. N. W. Simmonds. Longmans, Green, New York, 1959. 482 pp. 45s.

Beef Cattle. Roscoe R. Snapp and A. L. Neumann. Wiley, New York, ed. 5, 1960. \$8.50.

British Veterinary Codex, Supplement, 1959. Published by the direction of the Council of Pharmaceutical Society of Great Britain. Pharmaceutical Press, London, 1959 (order from Rittenhouse Book Store, Philadelphia, Pa.). 152 pp. 35s.

Chemical Analysis. Herbert A. Laitinen. McGraw-Hill, New York, 1960. 625 pp. \$12.50.

The Chemistry of Plant Gums and Mucilages. And some related polysaccharides. F. Smith and R. Montgomery. Reinhold, New York; Chapman and Hall, London, 1959. 637 pp. \$18.

The Control of Growth and Form. A study of the epidermal cell in an insect. V. B. Wigglesworth. Cornell Univ. Press, Ithaca, N.Y., 1959. 147 pp. \$3.

Data for Biochemical Research. R. M. C. Dawson, Daphne C. Elliott, W. H. Elliott, K. M. Jones. Oxford Univ. Press, New York, 1960. 312 pp. \$10.10.

Design and Performance of Gas Turbine Power Plants. W. R. Hawthorne and W. T. Olson, Eds. Princeton Univ. Press, Princeton, N.J., 1960. 576 pp. \$15.

The Education of the Scientist in a Free Society. Marquette Univ. Press, Milwaukee, Wis., 1959. 88 pp. Paper, \$2.50. Papers delivered at a conference commemorating the 50th anniversary of the college.

Elements of Algebra. Howard Levi. Chelsea, New York, ed. 3, 1960. 172 pp.

Electrochemical Engineering. C. L. Mantell. McGraw-Hill, New York, ed. 4, 1960 (ed. 4 of *Industrial Electrochemistry*). 690 pp. \$16.50.

The Foundations of Chemical Kinetics.

Sidney W. Benson. McGraw-Hill, New York, 1960. 721 pp. \$13.50.

Gestation. Claude A. Villee, Ed. Josiah Macy, Jr. Foundation, New York, 1959. 262 pp. \$5.75.

Glutathione. Biochemical Society Symp. No. 17. E. M. Crook, Ed. Cambridge Univ. Press, New York, 1960. 116 pp. \$4.50. Papers reviewing the chemistry of glutathione, techniques for its determination, interactions of glutathione in plant tissues, nerve tissues, human lens, and its bearing on radiation damage to living organisms.

A Guide-Book to Biochemistry. Kenneth Harrison. Cambridge Univ. Press, New York, 1959. 158 pp. Cloth, \$3.50; paper, \$1.95.

Historical Geology. Carl O. Dunbar. Wiley, New York, ed. 2, 1960. 511 pp. \$7.95.

The Hydrogen Bond. George C. Pimentel and Aubrey L. McClellan. Freeman, San Francisco, Calif., 1960. 487 pp. Text edition, \$9.50; trade edition, \$11.40.

Hydrology. C. O. Wisler and E. F. Brater. Wiley, New York; Chapman and Hall, London, ed. 2, 1959. 422 pp. \$9.25.

Introduction to Rubber Technology. Maurice Morton, Ed. Reinhold, New York; Chapman and Hall, London, 1959. 552 pp. \$10.

The Manufacture of Sulfuric Acid. Werner W. Duecker and James R. West, Eds. Reinhold, New York; Chapman and Hall, London, 1959. 523 pp. \$12.50.

Masers. Microwave amplification and oscillation by stimulated emission. Gordon Troup. Methuen, London; Wiley, New York, 1959. 178 pp. \$2.75.

Nature and Properties of Engineering Materials. Zbigniew D. Jastrzebski. Wiley, New York; Chapman and Hall, London, 1959. 588 pp. \$11.

Nuclear Fuel Elements. Henry H. Hausner and James F. Schumar, Eds. Reinhold, New York; Chapman and Hall, London, 1959. 420 pp. \$12.50. Proceedings of the First international symposium on nuclear fuel elements, held at Columbia University in January 1959.

Smithsonian Institution. *Annual Report*. 1958. Publ. 4354 (order from Supt. of Documents, GPO, Washington 25). 569 pp. \$3.75.

Stress and Cellular Function. H. Laborit. Lippincott, Philadelphia, Pa., 1959. 266 pp. \$7.50.

Structure Reports for 1952. vol. 16. A. J. C. Wilson, General Ed. Published for the International Union of Crystallography by Oosthoek's Uitgevers, Utrecht, Netherlands, 1959. 659 pp. \$38.

Thermodynamics. Franklin P. Durham. Prentice-Hall, Englewood Cliffs, N.J., ed. 2, 1959. 359 pp. \$6.25.

The Thunder of the Guns. A century of battleships. Donald Macintyre. Norton, New York, 1960. 352 pp. \$3.95.

What Is Cybernetics? G. T. Guilbaud. Translated by Valerie MacKay. Criterion Books, New York, 1959. 134 pp. \$3.50.

You and Science. Paul F. Brandwein et al. Harcourt, Brace, New York, ed. 3, 1960. 702 pp.

X-Ray Spectrochemical Analysis. L. S. Birks. Interscience, New York, 1959. 149 pp. \$5.75.