

general review. A rather odd nomenclatural problem posed by Deraniyagala may be mentioned. He has used several artistic representations, not actual specimens, as types of subspecies. Indeed, there seem to be no known specimens of "*Elephas maximus rubridens*," the type of which is "an antique bronze statue."

There are numerous photographic illustrations, several maps, and some spirited drawings by the author, including one of his own narrow escapes from death by an attack of a wild elephant.

G. G. SIMPSON

Department of Geology and
Paleontology, American Museum
of Natural History

New Books

Man in Search of His Ancestors. The romance of paleontology. André Senet. Translated by Malcolm Barnes. McGraw-Hill, New York, 1956. 274 pp. \$5.50.

Proceedings of the First International Photobiological Congress (4th International Light Congress). Amsterdam, 23-28 Aug. 1954. Veenman & Zonen, Wageningen, Netherlands, 1956. 472 pp. \$8.50.

Engineering Problems. Charles A. Hutchinson, Leon Watson Rutland, Jr., Walter W. Varner. Harper, New York, 1956. 179 pp. \$3.

A History of the Therapy of Tuberculosis and the Case of Frederic Chopin. Esmond R. Long. University of Kansas Press, Lawrence, 1956. 71 pp. \$2.

Clinical Studies in Psychiatry. Harry Stack Sullivan. Helen S. Perry, Mary L. Gawel, Martha Gibbon, Eds. Norton, New York, 1956. 386 pp. \$5.50.

Foundations of Nutrition. Clara M. Taylor, Grace MacLeod, Mary Swartz Rose. Macmillan, New York, ed. 5, 1956. 620 pp. \$6.

Dictionary of Latin Literature. James H. Mantinband. Philosophical Library, New York, 1956. 303 pp.

Quantum Field Theory. H. Umezawa. North-Holland, Amsterdam; Interscience, New York, 1956. 364 pp. \$9.75.

Special Functions of Mathematical Physics and Chemistry. Ian N. Sneddon. Oliver and Boyd, Edinburgh; Interscience, New York, 1956. 164 pp. \$1.75.

Radiation Dosimetry. Gerald J. Hine and Gordon L. Brownell. Academic Press, New York, 1956. 932 pp. \$22.

Medicinal Chemistry. vol. II. A series of reviews prepared under the auspices of the Division of Medicinal Chemistry of the American Chemical Society. F. F. Blicke and C. M. Suter, Eds. Wiley, New York; Chapman & Hall, London, 1956. 311 pp. \$10.

Polyesters and Their Applications. Bjorksten Research Laboratories, Reinhold, New York; Chapman & Hall, London, 1956. 618 pp. \$10.

Random Processes in Automatic Control. J. Halcombe Laning, Jr., and Richard H. Battin. McGraw-Hill, New York, 1956. 434 pp. \$10.

Microbiology and Pathology Charles F. Carter and Alice Lorraine Smith. Mosby, St. Louis, ed. 6, 1956. 970 pp. \$6.50.

Mathematical Analysis. A modern approach. Walter T. Hamilton and John R. Hamilton. Harper, New York, 1956. 379 pp. \$7.50.

Automation, Friend or Foe? R. H. MacMillan. Cambridge University Press, New York, 1956. 100 pp. \$1.95.

Industrial Electronics in Questions and Answers. Edward J. Bukstein. Ungar, New York, 1956. 197 pp. \$3.95.

Elementary Nuclear Theory. Hans A. Bethe and Philip Morrison. Wiley, New York; Chapman & Hall, London, ed. 2, 1956. 274 pp. \$6.25.

General Chemistry. John A. Timm. McGraw-Hill, New York, 1956. 636 pp. \$6.

The Analysis of Fantasy. The thermatic apperception technique in the study of personality. William E. Henry. Wiley, New York; Chapman & Hall, London, 1956. 305 pp. \$6.

Middleton & Chadwick's A Treatise on Surveying. vol. I, *Instruments and Basic Techniques*, 381 pp.; vol. II, *More Advanced Techniques and Modern Developments*, 438 pp. W. Fisher Cassie, Ed. Philosophical Library, New York, 1956. \$20 per set.

The Evolution of the Igneous Rocks. N. L. Bowen. With a new introduction by J. F. Schairer. Dover, New York, 1956. 332 pp. \$1.85.

Clays and Clay Minerals. Proceedings of the Third National Conference on Clays and Clay Minerals. W. O. Milligan, Ed. National Academy of Sciences-National Research Council, Washington, D.C., 1955. 573 pp.

Automatic Digital Calculators. Andrew D. Booth and Kathleen H. V. Booth. Academic Press, New York; Butterworths, London, ed. 2, 1956. 261 pp. \$6.

Proceedings of the First and Second Conference on Carbon. University of Buffalo, Buffalo, N.Y., 1956. 222 pp. \$5.50.

Currents in Biochemical Research 1956. David E. Green, Ed. Interscience, New York, 1956. 697 pp. \$10.

Investigation on the Theory of the Brownian Movement. Albert Einstein. R. Furth, Ed. Translated by A. D. Cowper. Dover, New York, 1956. 122 pp. \$1.25.

The Principles of Mechanics. Presented in a new form. Heinrich Hertz. Translated by D. E. Jones and J. T. Walley. Dover, New York, 1956. 274 pp. Paper, \$1.75.

Traité de pharmacie chimique. vol. I, *Chimie minérale*, 838 pp.; vol. II, *Chimie organique*, série acyclique (composés non azotés), série cyclique (composés non azotés), 1164 pp.; vol. III, *Chimie organique*, série cyclique (composés organiques azotés), série hydroaromatique, série terpénique, stérols et acides biliaires, vitamines, hormones, composés organominéraux, 1194 pp.; vol. IV, *Chimie organique*, composés hétérocycliques, matières colorantes artificielles, anthistaminiques, alcaloïdes, 1018 pp.; vol. V, *Chimie organique*, hétérosides, protides, produits divers, antibiotiques, table alphabétiques des vols. II-V, 752 pp. P. Le Beau, Ed. Masson, Paris, ed. 4, 1955-56. 5 vols., cloth, F. 37,000; paper, F. 32,000.

Miscellaneous Publications

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

Twentieth Century Fund, Annual Report, 1955. The Fund, New York, 1956. 71 pp.

Units and Systems of Weights and Measures. Their origin, development, and present status, NBS Circ. 570, Lewis V. Judson. National Bureau of Standards, Washington, 1956 (order from Supt. of Documents, GPO, Washington 25). 29 pp. \$0.25.

Course Offerings in Guidance and Student Personnel Work, Summer 1956 and Academic Year 1956-57. Circ. No. 476. Compiled by Paul MacMinn. Office of Education, Washington, 1956 (order from Supt. of Documents, GPO, Washington 25). 102 pp. \$0.55.

Behavior of Beach Fill at Ocean City, New Jersey. Tech. Memorandum No. 77. George M. Watts. 33 pp. *Hurricanes Affecting the Coast of Texas from Galveston to Rio Grande.* Tech. Memorandum No. 78. W. Armstrong Price. 52 pp. *Orbital Velocity Associated with Wave Action near the Breaker Zone.* Tech. Memorandum No. 79. D. L. Inman and Noriyuki Nasu. 70 pp. *Model Study of Overtopping of Wind-Generated Waves on Levees with Slopes of 1:3 and 1:6.* Tech. Memorandum No. 80. Osvald J. Sibul and Ernest G. Tickner. 27 pp. Beach Erosion Board, Corps of Engineers, 1956.

Magnetic Compensation of Aircraft. Instrumentation for Geophysical Research, No. 4. J. McClay and B. Shuman. 1955. 48 pp. *The Shift and Shape of Spectral Lines.* Geophysical Research Papers, No. 41. R. G. Breene, Jr. 1955. 336 pp. *A Meteorological Analysis of Clear Air Turbulence (A Report on the U.S. Synoptic High-Altitude Gust Program).* Geophysical Research Papers No. 47. Herman Lake. 1956. 63 pp. Geophysics Research Directorate, Air Force Cambridge Research Center, Mass. (order from U.S. Department of Commerce, Office of Technical Services, Washington 25).

Traffic Accidents and Violations. Highway Research Board Bull. 120. 54 pp. \$0.90. *Human Behavior in Extreme Situations: a Survey of the Literature and Suggestions for Further Research.* Disaster Study No. 1. Anthony F. C. Wallace. 35 pp. *A Study of Response to the Houston, Texas, Fireworks Explosion.* Disaster Study No. 2. Lewis M. Killian. 25 pp. *Tornado in Worcester.* An exploratory study of individual and community behavior in an extreme situation. Disaster Study No. 3. Anthony F. C. Wallace. 166 pp. National Academy of Sciences-National Research Council, Washington, 1956.

Who Are the Puerto Rican Pupils in the New York City Public Schools? Samuel M. Goodman, Lorraine K. Diamond, David J. Fox. Puerto Rican Study, Board of Education of the City of New York, New York, 1956. 88 pp.

British Scientific Instruments 1956, Directory and Handbook of S.I.M.A. Scientific Instrument Manufacturers Association of Great Britain Limited, London, 1956. 268 pp.