

has reprinted the English edition of S. P. Thompson, the well-known author of many 19th-century texts on electrical engineering, and D. J. Price of the Institute for Advanced Study has contributed a biographical introduction.

The appearance of this book has added another important work from the history of science to the growing list of reprints. It is a highly commendable selection and one that should do much to change the status of the book from that of a classic that is commonly quoted but infrequently read to one whose significance is justly appreciated.

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The Chemical Analysis of Food and Food Products. Morris B. Jacobs. Van Nostrand, Princeton, N.J., ed. 3, 1958. xxiv + 970 pp. Illus. \$13.75.

The new edition of this well-known book contains 69 pages of new material, divided between consideration of analytical methods for radioactive materials, pesticide residues, and artificial sweetening agents. The original material of the other chapters has been retained substantially intact. In a few cases where radical revision has been required (for example, with reference to coal-tar colors and to coumarin), the necessary changes in text have been accomplished without altering the original pagination.

The revision appears to me to be somewhat less thorough than the publisher states, particularly in a field developing as rapidly as this one.

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New Books

Biochemistry and the Central Nervous System. Henry McIlwain. Little, Brown, Boston, ed. 2, 1959. 295 pp. \$10.

Canadians in the Making. A social history of Canada. Arthur R. M. Lower. Longmans, Green, Toronto, Canada, 1958. 499 pp. \$7.50.

Celestial Mechanics. E. Finlay-Freundlich. Pergamon, New York and London, 1958. 158 pp. \$7.50.

Čerenkov Radiation and Its Applications. J. V. Jelley. Pergamon, New York and London, 1958. 314 pp. \$10.

Charles Darwin, Evolution and Natural Selection. Bert James Loewenberg, Ed. Beacon Press, Boston, 1959. 438 pp. \$5.75.

Colorimetric Determination of Traces of Metals. E. B. Sandell. Interscience, New York, ed. 3, 1959. 1054 pp. \$24.

Combustion and Propulsion. Third AGARD colloquium. Noise, shock tubes, magnetic effects, instability and mixing. Combustion colloquium, Palermo, Sicily,

17-21 March 1958. Including four selected papers presented at the Washington AGARD meeting. M. W. Thring, J. Fabri, O. Lutz, A. H. Lefebvre, Eds. Published for and on behalf of Advisory Group for Aeronautical Research and Development, North Atlantic Treaty Organization. Pergamon Press, New York and London, 1958. 626 pp. \$20.

Communications des invités étrangers. Congrès National des Sciences Médicales, Bucharest, 5-11 Mai, 1957. Académie de la République Populaire Roumaine, Bucharest, Rumania, 1958. 908 pp.

Digging into History. A brief account of fifteen years of archaeological work in New Mexico. Popular Series, Anthropology, No. 38. Paul S. Martin. Chicago Natural History Museum Press, Chicago, Ill., 1959. 157 pp. \$1.50.

Ecological Processes. Alan Mozley. Lewis, London, 1959. 79 pp. 9s.

The Ecology of Human Disease. Jacques M. May. M.D. Publications, New York, 1958. 348 pp. \$7.50.

The Education of Women. Signs for the future. Report of a conference on the present status and prospective trends of research on the education of women, sponsored by the American Council on Education, Rye, N.Y., 27-30 October 1957. Opal D. Davis, Ed. American Council on Education, Washington, D.C., 1959. 153 pp. \$2.

Electromechanical Energy Conversion. David C. White and Herbert H. Woodson. Wiley, New York; Chapman & Hall, London, 1959. 661 pp. \$12.50.

The Enzymes. vol. 1, *Kinetics, Thermodynamics, Mechanism, Basic Properties.* Paul D. Boyer, Henry Lardy, Karl Myrback. Academic Press, New York, ed. 2, 1959. 798 pp. \$24.

The Family Medical Encyclopedia. Justus J. Schifferes. Little, Brown, Boston, 1959. 636 pp. \$4.95.

Fundamentals of Ecology. Eugene P. Odum. Saunders, Philadelphia, Pa., ed. 2, 1959. 564 pp.

The Magneto-Ionic Theory and Its Applications to the Ionosphere. J. A. Ratcliffe. Cambridge Univ. Press, New York, 1959. 217 pp. \$7.50.

Materials for Nuclear Reactors. Bernard Kopelman, Ed. McGraw-Hill, New York, 1959. 421 pp. \$12.

Physiology of Muscular Activity. Edward C. Schneider. Peter V. Karpovich, Ed. Saunders, Philadelphia, Pa., ed. 5, 1959. 385 pp.

Television Works Like This. Jeanne and Robert Bendick. Whittlesey House, McGraw-Hill, New York, ed. 3, 1958. 64 pp. \$2.75 (juvenile book).

The Theory and Design of Magnetic Amplifiers. E. H. Frost-Smith. Wiley, New York, 1958. 506 pp. \$12.50.

Thrills and Regressions. Michael Balint. International Universities Press, New York, 1959. 148 pp. \$4.

Tree Maintenance (originally published as *Maintenance of Shade and Ornamental Trees, 1941*). P. P. Pirone. Oxford Univ. Press, New York, 1959. 501 pp. \$10.

Viral and Rickettsial Infections of Man. Thomas M. Rivers and Frank L. Horsfall, Jr., Eds. Lippincott, Philadelphia, Pa., ed. 3, 1959. 985 pp. \$8.50.

Miscellaneous Publications

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

Joint FAO/WHO Expert Committee on Nutrition. Tech. Rept. Ser., No. 149. World Health Organization, Geneva, Switzerland, 1958. 55 pp. \$0.60.

School Sites. Selection, development, and utilization. Special Publ. No. 7. James L. Taylor. Office of Education, Washington 25, 1958 (order from Supt. of Documents, GPO, Washington 25). 91 pp. \$0.75.

Satellite Data and Analyses. Special Rept. No. 18, Optical Satellite Tracking Program. Smithsonian Institution, Astrophysical Observatory, Cambridge, Mass., 1958. 49 pp.

Air Pollution. Fifth Report of the Expert Committee on Environmental Sanitation. WHO Tech. Rept. Ser. No. 157. World Health Organization, Geneva, Switzerland, 1958 (order from Columbia Univ. Press, New York). 26 pp. \$0.30.

Albinism in North American Amphibians and Reptiles. Biological Ser. Max Hensley. Michigan State Univ., East Lansing, 1959. 24 pp.

Birds of the Pleistocene in North America. Miscellaneous Collections, vol. 138, No. 4. Publ. 4353. Alexander Wetmore. Smithsonian Institution, Washington, D.C., 1959. 24 pp.

The Status of the Lizard Cnemidophorus Perplexus Baird and Girard (Teiidae). Proceedings, vol. 108, No. 3406. T. Paul Maslin, Richard G. Beidleman, Charles H. Lowe, Jr. U.S. National Museum, Smithsonian Institution, Washington, D.C., 1958. 14 pp.

National Advisory Committee on Research in the Geological Sciences. Eighth Annual Report, 1957-58. Including survey of current research in the geological sciences in Canada, 1957-58. Geological Survey of Canada, Ottawa, 1958. 165 pp. \$0.50.

Cobalt and Its Alloys. A summary of allotropy and phase diagrams. F. R. Morral. Cobalt Information Center, Columbus 1, Ohio, ed. 2, 1958. 125 pp.

Contributions à l'étude des rafales. Brest-Guipavas, Juillet 1946-Juin 1956. Monographies de la Météorologie Nationale, No. 10. M. Bérenger and B. Pages. Secrétariat Général à l'Aviation Civile et Commerciale, Paris, 1958. 31 pp.

Cooperative Research Program, Projects under Contract. 1 July 1956-31 December 1958. Office of Education, Washington 25.

The Dispersion of Carbon Black in Rubber and Its Role in Vulcanizate Properties. Columbian Colloidal Carbons, vol. XVI, No. 3. C. W. Sweitzer, W. M. Hess, J. E. Callan. Columbian Carbon Co., New York, 1958. 37 pp.

Flora of Peru. Botanical Ser., vol. XIII, Pt. IV, No. 2. Publ. 861. Rogers McVaugh. Field Museum of Natural History, Chicago, Ill., 1958. \$3.75.

The Gore Mountain Garnet Deposit, New York State, Structure and Petrography. Paul Bartholome. Université Lovanium, Leopoldville, Congo Belge, 1958. 32 pp.