

not, to my knowledge, been demonstrated heretofore. To a considerable extent he owes this facility to his unusual familiarity with both British and German sources. To this he adds an ability to correlate the scientific and the technical with the economic. This will come as no surprise to those who recognize him as the son of Fritz Haber, whose name is associated with ammonia synthesis.

The sulfuric acid, soda ash, caustic soda, bleaching powder, and coal-tar dye industries are described in detail—an obvious core around which revolved other chemical industries which are only briefly touched upon here. Of particular interest is the account of the struggle for survival of the Leblanc soda industry. Although the author refrains from emphasizing the point unduly, scientists will be interested to note the scientific weakness of the great British soda combine which, in its declining days, employed 50 chemists in 45 works—a ratio of 1 to each 240 employees.

The account of the German dye industry comprises the most penetrating and original part of the book, at least from the point of view of the English reader, and is especially useful in view of our tendency to regard the growth of this industry as something of a devious plot. Since the book ends with the 19th century, it leaves much of this story untold. The account of American development is competently handled, but serves as a reminder that the 19th century was not a period of great chemical enterprise in this country.

The book is well documented and indexed and is attractively printed.

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## New Books

*Computability & Unsolvability.* Martin Davis. McGraw-Hill, New York, 1958. 235 pp. \$7.50.

*Correlation between Physical Constants and Chemical Structure.* Graphical statistical methods of identification of mineral and fatty oils, glass, silicones, and catalysts. H. I. Waterman in collaboration with C. Boelhouwer and J. Cornelissen. Elsevier, Amsterdam, 1958 (order from Van Nostrand, Princeton, N.J.). 127 pp. \$5.25.

*The Eternal Search.* The story of man and his drugs. Richard R. Mathison. Putnam's, New York, 1958. 381 pp. \$5.95.

*Electric Conduction in Semiconductors and Metals.* W. Ehrenberg. Oxford Univ. Press, New York, 1958. 399 pp. \$10.10.

*Handbuch der Physik.* vol. VI, *Elasticity and Plasticity.* S. Flügge, Ed. Springer, Berlin, 1958. 649 pp. DM. 145.

*Die Infektionskrankheiten des Menschen und ihre Erreger.* vols. 1 and 2. A.

Grumbach and W. Kikuth. Thieme, Stuttgart, Germany, 1958. 1742 pp. \$47.15.

*International Review of Cytology.* vol. VII. G. H. Bourne and J. F. Danielli, Eds. Academic Press, New York, 1958. 692 pp. \$16.

*Introductory Horticulture.* E. P. Christopher. McGraw-Hill, New York, 1958. 490 pp. \$7.50.

*Medical Terminology Simplified.* Louis L. Perkel. Thomas, Springfield, Ill., 1958. 115 pp. \$3.85.

*Modern Chemical Processes.* A series of articles describing chemical manufacturing plants. vol. 5. Editors of *Industrial and Engineering Chemistry* in conjunction with the technical staffs of the cooperating organizations. Reinhold, New York; Chapman & Hall, London, 1958. 154 pp. \$5.

*Nuclear Scattering.* K. B. Mather and P. Swan. Cambridge Univ. Press, New York, 1958. 477 pp. \$14.50.

*The Physiology and Pathology of the Cerebellum.* Robert Stone Down and Giuseppe Moruzzi. Univ. of Minnesota Press, Minneapolis, 1958. 682 pp. \$12.50.

*Science Students' Guide to the German Language.* A. F. Cunningham. Oxford Univ. Press, London, 1958. 199 pp. \$2.

*The Principles of Biological Control.* Interrelation of hosts and pests and utilization in regulation of animal and plant populations. Harvey L. Sweetman. Brown, Dubuque, Iowa, 1958. 572 pp. \$8.75.

*Proceedings of the Congress on Modern Analytical Chemistry in Industry.* Held at the University of St. Andrews, 24–28 June 1957. Organized by the Scottish Section of the Society for Analytical Chemistry. Hefter, Cambridge, England, 1958. 231 pp.

*The Properties of Gases and Liquids.* Their estimation and correlation. Robert C. Reid and Thomas K. Sherwood. McGraw-Hill, New York, 1958. 398 pp. \$10.

*Readings in Medical Care.* Edited by the Committee on Medical Care Teaching of the Association of Teachers of Preventive Medicine. Univ. of North Carolina Press, Chapel Hill, 1958. 729 pp. \$6.50.

*Roaming Britain.* 8000 miles through England, Scotland and Wales. Willard Price. Day, New York, 1958. 318 pp. \$5.75.

*Solid State Physics.* Advances in research and application. vol. 6. Frederick Seitz and David Turnbull, Eds. Academic Press, New York, 1958. 443 pp. \$12.

*Sound Pulses.* F. G. Friedlander. Cambridge Univ. Press, New York, 1958. 213 pp. \$7.50.

*Subsurface Geology in Petroleum Exploration.* A symposium. John D. Haun and L. W. LeRoy, Eds. Colorado School of Mines, Golden, 1958. 893 pp. \$10.

*The Tarantula.* William J. Baerg. University of Kansas Press, Lawrence, 1958. 97 pp. \$3.

*A Treasury of Science.* Harlow Shapley, Samuel Rapport, Helen Wright, Eds. Harper, New York, ed. 4, 1958. 789 pp. \$6.95.

*Voice across the Sea.* Arthur C. Clarke. Harper, New York, 1958. 221 pp. \$3.75.

*Electric Machinery.* A coordinated presentation of A-C and D-C machines. Clifford C. Carr. Wiley, New York; Chapman & Hall, London, 1958. 547 pp. \$9.25.

*The World's Nations.* An economic and regional geography. George F. Deasy, Phyllis R. Griess, E. Willard Miller, Earl C. Case. Lippincott, Philadelphia, Pa., 1958. 991 pp. \$10.

*Handbuch der Physik.* vol. VII, *Crystal Physics II*, 273 pp., DM. 60.80; vol. XXVI, *Light and Matter II*, 972 pp., DM. 134.40. S. Flügge, Ed. Springer, Berlin, 1958.

## Miscellaneous Publications

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

*Cost Estimation Methods in Unemployment Insurance, 1909–1957.* Harry Malisoff. New York State Department of Labor, Bureau of Research and Statistics, New York 18, 1958. 167 pp.

*Serial Publications of the Soviet Union, 1939–1957.* A bibliographic checklist. Compiled by Rudolf Smits. Cyrillic Bibliographic Project, Library of Congress, Washington, 1958 (order from Supt. of Documents, GPO, Washington). 459 pp. \$2.75.

*Educators Guide to Free Films.* Compiled and edited by Mary Foley Horkheimer and John W. Diffor. Educators Progress Service, Randolph, Wis., ed. 18, 1958. 616 pp. \$7.

*Human Blood in New York City.* A study of its procurement, distribution and utilization. Conducted by the Committee on Public Health, New York Academy of Medicine. H. D. Kruse, General Director of Study. New York Acad. of Medicine, New York, 1958. 147 pp.

*The Training Program of the National Institute of Mental Health, 1947–1957.* U.S. Department of Health, Education, and Welfare, Public Health Service, Washington, 1958. 65 pp.

*Sanitary Engineering Education in Peru.* A report of the School of Public Health of the University of North Carolina, Chapel Hill. A project for technical assistance to the National University of Engineering of Peru. Sponsored by the International Cooperation Administration–Institute of Inter-American Affairs, September 1954–May 1958. Univ. of North Carolina, Chapel Hill, 1958 (order from Dr. Daniel A. Okun, Department of Sanitary Engineering, Univ. of North Carolina, Chapel Hill). 51 pp. Free.

*Some East African Pleistocene Suidae.* Fossil Mammals of Africa, No. 14. L. S. B. Leakey. British Museum (Natural History), London, 1958. 133 pp. 4d 10s.

*Joint FAO/WHO Expert Committee on Brucellosis.* Third report. WHO Tech. Rept. Ser., No. 148. World Health Organization, Geneva, 1958 (order from Columbia University Press, New York 27). 51 pp. \$0.60.

*Automation and Remote Control* (Soviet journal *Automatika i Telemekhanika* in English translation). Instruments Society of America, 313 Sixth Ave., Pittsburgh 22, Pa. General subscription, \$30; libraries of academic and other non-profit institutions, in U.S. and Canada, \$15; 12 issues per year.