

sonal flavor. By contrast, this book on Illinois flora is quite impersonal and is presumably based on the examination of a larger number of specimens. In terms of kinds of plants in the two states, the figures for Indiana are 141 families, 690 genera, and 2140 species (16 percent introduced); for Illinois, 156 families, 785 genera, and 2450 species (approximately 25 percent introduced). So far as one may judge by a hasty check, the figures are fairly comparable.

The authors remark that "The science of taxonomy consists also of intensive studies of the plants of a definite area for the purpose of clarifying our knowledge of these plants including attempts to shed light on the origin and evolution of species and their inter-relations with each other." Of the 18 nomenclatural combinations proposed, it is interesting to note that 11 are putative hybrids, perhaps suggesting a trend in future taxonomic studies for which this valuable book will form a solid basis.

LINCOLN CONSTANCE

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New Books

Atomic Physics. An atomic description of physical phenomena. Gaylord P. Harnwell and William E. Stephens. McGraw-Hill, New York, 1955. 401 pp. \$8.

Traité de la Connaissance. Louis Trougier. Gauthier-Villars, Paris, 1955. 450 pp. \$6.48.

Technical Publications. Their purpose, preparation, and production. C. Baker. Wiley, New York, 1955. 302 pp. \$6.

Jet Engine Manual. E. Mangham and A. Peace. Philosophical Library, New York 16, 1955. 133 pp. \$3.75.

Environmental Hygiene. vol. II of *Preventive Medicine in World War II.* Ebbe Curtis Hoff., Ed. Historical Unit, Army Medical Service, Washington, 1955 (Order from Supt. of Documents, GPO, Washington 25). 404 pp. \$3.50.

Hydrogen Peroxide. Walter C. Schumb, Charles N. Satterfield, and Ralph L. Wentworth. Reinhold, New York; Chapman & Hall, London, 1955. 759 pp. \$16.50.

International Pharmacopoeia. vol. II. World Health Organization, Geneva, 1955. 350 pp. \$6.75.

Astrophysical Quantities. C. W. Allen. Athlone Press, London, 1955 (Distributed in U.S. by John de Graff, Inc., New York 10). 263 pp. \$10.

Microbiology. Florene C. Kelly and K. Eileen Hite. Appleton-Century-Crofts, New York, ed. 2, 1955. 615 pp.

Ultrasonic Engineering with Particular Reference to High Power Applications. Alan E. Crawford. Academic Press, New York; Butterworths, London, 1955. 344 pp. \$8.

Introduction to Virology. Gilbert Dall-dorf. Thomas, Springfield, Ill., 1955. 102 pp. \$3.50.

Treatise on Invertebrate Paleontology. part V. Graptolithina with sections on Entomopneusta and Pterobranchia. Raymond C. Moore, Ed. Geological Soc. of America, New York, and Univ. of Kansas Press, Lawrence, 1955. 101 pp. \$3.

An Elementary Textbook of Psychoanalysis. Charles Brenner. International Universities Press, New York, 1955. 219 pp. \$4.

Proceedings of the Conference on Latin-American Geology. Held 29-30 March 1954; co-sponsored by the Department of Geology and the Institute of Latin-American Studies, University of Texas. Fred M. Bullard, Ed. Univ. of Texas, Austin, 1955. 99 pp.

Basic Mathematics for Science and Engineering. Paul G. Andres, Hugh J. Miser, and Haim Reingold. Wiley, New York; Chapman & Hall, London, 1955 (A revision of *Basic Mathematics for Engineers*, 1944). 846 pp. \$6.75.

Bibliography and Index of Geology Exclusive of North America. vol. 19. Marie Siegrist et al. Geological Soc. of America, New York, 1955. 689 pp.

Research Films in Biology, Anthropology, Psychology, and Medicine. Anthony R. Michaelis. Academic Press, New York, 1955. 490 pp. \$10.

Group Processes. Transactions of the first conference on group processes, 26-30 September 1954, Ithaca, N.Y. Bertram Schaffner, Ed. Josiah Macy, Jr. Foundation, New York, 1955. 334 pp. \$5.50.

Small-Angle Scattering of X-Rays. André Guinier and Gerard Fournet. Trans. by Christopher B. Walker. Wiley, New York; Chapman & Hall, London, 1955. 268 pp. \$7.50.

Introduction to Modern Physics. F. K. Richtmyer, E. H. Kennard, and T. Lauritsen. McGraw-Hill, New York, ed. 5, 1955. 666 pp. \$8.50.

The Atomic Nucleus. Robley D. Evans. McGraw-Hill, New York, 1955. 972 pp. \$14.50.

Organic Insecticides. Their chemistry and mode of action. Robert L. Metcalf. Interscience, New York-London, 1955. 392 pp. \$8.50.

Bibliography of Monolingual Scientific and Technical Glossaries. vol. I, *National Standards.* Eugen Wüster. UNESCO, Paris, 1955 (Order from Columbia Univ. Press, New York 27). 219 pp. \$2.50.

The Value of Judgement. W. D. Lamont. Philosophical Library, New York, 1955. 335 pp. \$6.

The World of Bees. Gilbert Nixon. Philosophical Library, New York, 1955. 214 pp. \$4.75.

Gas Turbines and Jet Propulsion. G. Geoffrey Smith; revised and enlarged by F. C. Sheffield. Iliffe, London, and Philosophical Library, New York, ed. 6, 1955. 412 pp. \$15.

European Architecture in the Twentieth Century. vol. 2, pt. 3, *The Era of Functionalism, 1924-1933.* Arnold Whittick. Philosophical Library, New York 16, 1955. 271 pp. \$10.

A Course in Modern Techniques of Organic Chemistry. R. P. Linstead, J. A. Elvidge, Margaret Whalley. Academic Press, New York; Butterworths, London, 1955. 190 pp. \$5.

Miscellaneous Publications

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

Opinions of the Committee on Professional Ethics. With the code of professional ethics annotated and an analysis of the functions of the committee. National Education Assoc., Washington, 1955. 72 pp. \$0.25.

Indian Woods for Battery Separators. Indian Forest Bull. No. 184. M. A. Rehman, Jai Kishen, and O. P. Chawla. Manager of Pubs., Govt. of India Press, New Delhi, 1955. 18 pp. 2 s.

The Atom in Our Hands. Union Carbide and Carbon Corp., New York 17, 1955. 40 pp.

American Heart Association, Proceedings of the 28th Scientific Session. 22-24 October 1955. The Association, New York, 1955. 144 pp.

Humanistic-Social Stem of Engineering Education. A classified bibliography. Cooper Union Bull., Engineering and Science No. 33. Compiled by the Cooper Union Library. Cooper Union for the Advancement of Science and Art, New York, 1955. 56 pp. \$0.50.

Massachusetts Institute of Technology, The Reports of the President and of the Deans of the Schools for the Year Ending October 1, 1955. Massachusetts Inst. of Technology, Cambridge, 1955. 161 pp.

What Good Nursing Means to You. Public Affairs Pamph. No. 60A. Susie Berg Waldman. Public Affairs Committee, New York, 1955. 27 pp. \$0.25.

Proceedings of the 5th Meeting of the Indo-Pacific Fisheries Council. Held at Bangkok, Thailand, 22 January-5 February 1954. Sections II and III. The Council, Bangkok, 1955. 114 pp. \$1.

Symposium on Marine and Fresh-Water Plankton in the Indo-Pacific. Held at Bangkok, Thailand, 25-26 January 1954. Indo-Pacific Fisheries Council, Bangkok, 1954. 111 pp. \$1.

The Diagnosis and Treatment of Haemophilia and Its Related Conditions. Medical Research Council Memo. No. 32. R. G. MacFarland and Rosemary Biggs. Her Majesty's Stationery Office, London, 1955. 23 pp. \$0.45.

Dry Whole Milk. A symposium sponsored by the Quartermaster Food and Container Institute for the Armed Forces Quartermaster Research and Development Command, U.S. Army Quartermaster Corps. Oriental Institute, Univ. of Chicago, 22-23 September 1954. J. M. McIntire, W. K. Stone, and Martin S. Peterson, Eds. National Acad. of Sciences-National Research Council, Washington, 1955 (Order from Quartermaster Food and Container Inst. for the Armed Forces, 1819 West Pershing Rd., Chicago 9, Ill.). 194 pp.

Laboratory and Field Tests of Sound-ing Leads. Tech. Memo. No. 54. 42 pp. *A Study of Sediment Sorting by Waves Shoaling on a Plane Beach.* Tech. Memo. No. 63. 83 pp. *Laboratory Data on Wave Run-Up and Over-Topping on Shore Structures.* Tech. Memo. No. 64. 32 pp. Beach Erosion Bd., Office of the Chief of Engineers, Dept. of the Army, 1955.