

this important technique in nuclear physics.

It is important for workers in the field of neutron physics to note that the mobility of electrons in BF_3 , as given by Korff, is an order of magnitude too large. This value had its origin with Rossi and Staub [*Ionization Chambers and Counters* (McGraw-Hill, New York, 1949)] and caused a great deal of confusion in the United States. Barschall, in his otherwise complete article on the detection of neutrons, does not discuss this point.

This section of volume 45 of the *Handbuch* should prove valuable to students and researchers in experimental physics. However, its high cost (\$25) puts it out of reach of most individuals and relegates it to the library reference shelves.

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New Books

Advances in Chemical Physics. vol. I. I. Prigogine, Ed. Interscience, New York, 1958. 425 pp. \$11.50.

An Anthropologist at Work. Writings of Ruth Benedict. Margaret Mead. Houghton Mifflin, Boston, 1959. 605 pp. \$6.

Applied Medical Library Practice. Thomas E. Keys, with chapters by Catherine Kennedy and Ruth M. Tews. Thomas, Springfield, Ill., 1958. 514 pp. \$10.75.

Basic Organic Chemistry. Louis F. Fieser and Mary Fieser. Heath, Boston, 1959. 372 pp. \$6.

Le Bruit de fond. Pierre Grivet and Austin Blaquiére. Masson, Paris, 1958. 505 pp. Paper, F. 6500.

Calculateurs analogiques repetitifs. Rajko Tomovic. Masson, Paris, 1958. 186 pp. F. 3000.

Centaur. Essays on the history of medical ideas. Felix Marti-Ibanez. M.D. Publications, New York, 1958. 731 pp. \$6.

Communicable Diseases Transmitted Chiefly through Respiratory and Alimentary Tracts. vol. IV of *Preventive Medicine in World War II*. John Boyd Coates, Jr., Ed. Office of the Surgeon General, Department of the Army, Washington, D.C., 1958 (order from Supt. of Documents, GPO, Washington 25). 565 pp. \$5.50.

Concise Dictionary of Judaism. Dagobert D. Runes, Ed. Philosophical Library, New York, 1958. 237 pp. \$5.

Cytodifferentiation. Dorothea Rudnick, Ed. Univ. of Chicago Press, Chicago, Ill., 1958. 158 pp. \$3.75.

Dairy Handbook and Dictionary. J. H. Frandsen, Ed. Published by the editor, Amherst, Mass., 1958. 853 pp. \$10.50.

Einführung in die Makromolekulare Chemie. Hans Batzer. Huthig, Heidelberg, Germany, 1958. 234 pp. DM. 19.80.

L'Exploration des galaxies voisines. Par les methodes optiques et radio-electriques. Gerard de Vaucouleurs. Masson, Paris, 1958. 154 pp. Paper, F. 1600.

Evolution of the Speech Apparatus. E. Lloyd DuBrul. Thomas, Springfield, Ill., 1958. 113 pp. \$4.75.

Fast Reactions in Solids. F. P. Bowden and A. D. Yoffe. Academic Press, New York; Butterworths, London, 1958. 173 pp. \$7.

Fundamentals of Advanced Missiles. Richard B. Dow. Wiley, New York; Chapman & Hall, London, 1958. 583 pp. \$11.75.

Geologie de l'uranium. Marcel Roubaud. Masson, Paris, 1958. 462 pp. F. 6000.

The Geology of Uranium. Translated from Russian. Supplement No. 6 of the *Soviet Journal of Atomic Energy*, Atomic Press, Moscow, 1957. Consultants Bureau, New York, 1958. 134 pp. \$6.

George Perkins Marsh, Versatile Vermonter. David Lowenthal. Columbia Univ. Press, New York, 1958. 454 pp. \$6.50.

Growth and Perfection of Crystals. Proceedings of an International Conference on Crystal Growth held at Cooperstown, N.Y., on 27-29 August 1958. Sponsored by Air Force Office of Scientific Research, Air Research and Development Command, and General Electric Research Laboratory. R. H. Doremus, B. W. Roberts, David Turnbull, Eds. Wiley, New York; Chapman & Hall, London, 1958. 627 pp. \$12.50.

A Handbook on Torsional Vibration. E. J. Nestorides. Cambridge Univ. Press, New York, 1958. 686 pp. \$10.50.

Pecos, New Mexico: Archaeological Notes. Papers of the Robert S. Peabody Foundation for Archaeology, vol. 5. Alfred Vincent Kidder. Roberts S. Peabody Foundation, Phillips Acad., Andover, Mass., 1958. 380 pp. \$7.50.

Topics in Electromagnetic Theory. Dean A. Watkins. Wiley, New York; Chapman & Hall, London, 1958. 127 pp. \$6.50.

Vapor-Liquid Equilibrium. Eduard Hala, Jiri Pick, Vojtech Fried, Otakar Vilim. Translated by G. Standart. Pergamon, New York and London, 1958. 420 pp.

Vacuum Metallurgy. Rointan F. Bunshah, Ed. Reinhold, New York; Chapman & Hall, London, 1958. 490 pp. \$12.50. This volume contains the lectures presented during the course on vacuum metallurgy sponsored by the department of metallurgical engineering in cooperation with the Office of Special Service to Business and Industry, New York University, 10-14 June 1957. The lectures are on vacuum equipment, thermodynamics and kinetics, arcs and arc melting processes, induction melting processes, electron bombardment melting techniques, degassing in the liquid solid states, distillation of metals, metallurgical application of vacuum processing, analytical techniques, and future trends.

Vitamins and Hormones. Advances in research and applications. vol. 16. Robert S. Harris, G. F. Marrian, Kenneth V. Thimann. Academic Press, New York, 1958. 448 pp. \$11.60.

Wild Paradise. The story of the Coto Donana expeditions. Guy Mountfort. Houghton Mifflin, Boston, Mass., 1958. 240 pp. \$7.

Miscellaneous Publications

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

Certification of School Librarians. A compilation of state requirements, 1958. Bull. 1958, No. 12. Mary Helen Mahar. 73 pp. \$0.30. *Foreign Language Laboratories in Schools and Colleges*. Bull. 1959, No. 3. Marjorie C. Johnston and Catherine C. Seerley. 86 pp. \$0.35. U.S. Office of Education, Washington, D.C., 1958 (order from Supt. of Documents, GPO, Washington 25).

A Study of the Chironomidae (Diptera) of Africa South of the Sahara. pt. IV. Bulletin, Entomology, vol. 6, No. 11. Paul Freeman. 102 pp. 30s. *The African Species of Stivalius, a Genus of Siphonaptera*. Bulletin, Entomology, vol. 7, No. 2. F. G. A. M. Smit. 37 pp. 10s. *Revisions of Mallophaga Genera*. Degeeriella from the Falconiformes. Bulletin, Entomology, vol. 7, No. 4. Theresa Clay. 86 pp. 30s. *Revision du Genre Exocentrus Mulsant (Col., Cerambycidae)*. S. Breuning. Bulletin, Entomology, vol. 7, No. 5. S. Breuning. 119 pp. *New and Little Known Emesinae (Reduviidae, Hemiptera) in the British Museum (Natural History)*, London. Bulletin, Entomology, vol. 7, No. 6. P. Wygodzinsky. 18 pp. 6s. *New Species and Subspecies of Odonata and on Some Trichoptera from Southern Rhodesia and Portuguese East Africa*. Bulletin, Entomology, vol. 7, No. 7. D. E. Kimmins. 22 pp. 7s. *A Revision of the Genera Nidalia and Bellonella, with an Emendation of Nomenclature and Taxonomic Definitions for the Family Nidaliidae (Otocorallia, Alcyonacea)*. Bulletin, Zoology, vol. 5, No. 5. Huzio Utinomi. 22 pp. 7s. *The Upper Permian Flora of England*. Bulletin, Geology, vol. 3, No. 9. Hilda M. M. Stoneley. 44 pp. 17s. 6d. British Museum (Natural History), London, 1958.

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Contributions to Stratospheric Meteorology. GRD Research Notes No. 1. ASTIA Document No. AD 152626. Peter Antanaitis et al. 134 pp. *Project Prairie Grass, a Field Program in Diffusion*. vol. II. Geophysical Research Papers, No. 59. Morton L. Barad, Ed. 209 pp. Atmospheric Analysis Laboratory, Geophysics Research Directorate, Air Research and Development Command, Bedford, Mass., 1958 (order from U.S. Department of Commerce, Office of Technical Services, Washington 25).

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