

great scientists who "occasionally descend from the heights to the level of the layman," of Roger Bacon exploding "the specious logic of the Fathers of the Church," and so forth, is equally unsound.

It is unfortunate that such interesting selections and illustrations should be so badly edited. The editors are lucky that George Sarton, whom they praise enthusiastically but not very judiciously, is not alive to subject their sloppy production to his rigorous standards of truth and accuracy.

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New Books

Abstract Bibliography of Fruit Breeding and Genetics to 1955. Rubus and Ribes—a survey. Technical Communication No. 25. R. L. Knight and Elizabeth Keep. Commonwealth Agricultural Bureaux, Bucks, England, 1958. 254 pp. \$6.80.

Advances in Electronic and Electron Physics. vol. 10. L. Marton, Ed. Academic Press, New York, 1958. 330 pp. \$10. Contents: "Nonuniform d-c electron flow in magnetically focused cylindrical beams" (W. G. Dow); "Defects in diamond-type semiconductor crystals" (E. Billig and P. J. Holmes); "Microwave optics" (J. Brown); "Developments in computer logical organization" (W. L. Lawless); "On some aspects of tube reliability" (E. G. Rowe); "Recent developments in cathode-ray oscilloscopes" (J. E. Day). A cumulative author and subject index is included.

Agriculture and Animal Husbandry in India. M. S. Randhawa. Indian Council of Agricultural Research, New Delhi, India, 1958. 380 pp. Rs. 15.

The Atom and the Energy Revolution. Norman Lansdell. Philosophical Library, New York, 1958. 200 pp. \$6.

The Aztec: Man and Tribe. Victor W. von Hagen. New American Library, New York, 1958. 222 pp. Paper, \$0.50.

Bibliography of Plant Protection, 1948–1949. J. Barner. Biologische Bundesanstalt für Land- und Forstwirtschaft in Berlin-Dahlem, Berlin, 1958. 689 pp.

The Big Red Schoolhouse. Fred M. Hechinger. Doubleday, Garden City, N.Y., 1959. 240 pp. \$3.95.

British Fermentation Industries. J. M. Whitmarsh. Pitman, London, 1958. 147 pp. 25s.

Drinking and Intoxication. Selected readings in social attitudes and controls. Raymond G. McCarthy. Yale Center of Alcohol Studies, New Haven, Conn.; Free Press, Glencoe, Ill., 1959. 474 pp. \$7.50.

Economics for the Mineral Engineer. Edmund J. Pryor. Pergamon, New York and London, 1958. 254 pp. \$6.

Environmental Influences on Prenatal Development. Beatrice Mintz. Univ. of Chicago Press, Chicago, 1959. 100 pp. \$3.

The Foundations of Capitalism. Oliver C. Cox. Philosophical Library, New York, 1959. 510 pp. \$7.50.

The Evolution of Culture. The development of civilization to the fall of Rome. Leslie A. White. McGraw-Hill, New York, 1959. 389 pp. \$7.50.

The Geology of South Australia. Prepared by members of the South Australian division of the Geological Society of Australia and edited by M. F. Glaessner and L. W. Parkin. Melbourne Univ. Press, Melbourne, Australia, 1958 (order from Cambridge Univ. Press, New York 22). 163 pp. \$8.50.

High Temperature Effects in Aircraft Structures. Nicholas John Hoff, Ed. Published for and on behalf of Advisory Group for Aeronautical Research and Development, North Atlantic Treaty Organization by Pergamon Press, New York and London, 1958. 364 pp. \$12.

Handbuch der Physik. vol. 51, *Astrophysics II: Stellar Structure.* Springer, Berlin, 1958. 838 pp. DM. 175.

Literaturquellen und ihre Kürzungen aus der Bibliographie der Pflanzenschutzliteratur. J. Bärner. Biologische Bundesanstalt für Land- und Forstwirtschaft in Berlin-Dahlem, Berlin, 1958.

The Meaning of Home Science. Rajam-mal P. Devadas. Sri Avinashilingam Home Science College, Coimbatore, India, 1958. 54 pp. Rs. 2. Dr. Devadas is the chief home economist, Ministry of Food and Agriculture, Government of India. The chapters in this book are based on talks given by her in two seminars on home science conducted at Avinashilingam Home Science College.

Muir's Text-Book of Pathology. Revised by D. F. Cappell. Arnold, London, ed. 7, 1958 (order from Williams and Wilkins, Baltimore, Md.). 1221 pp. \$14.50.

Origin of Granite in the Light of Experimental Studies in the System NaAlSi₃O₈-KAlSi₃O₈-H₂O. Memoir 74. O. F. Tuttle and N. L. Bowen. Geological Soc. of America, New York, 1958. 153 pp.

Les Papillons. Guy Mathot. Presses Universitaires de France, Paris, 1958. 126 pp.

Poliomyelitis. Papers and discussions presented at the Fourth International Poliomyelitis Conference. Compiled and edited for the International Poliomyelitis Congress. Lippincott, Philadelphia, Pa., 1958. 702 pp. \$7.50. The papers presented at the sessions were divided into the following groups: "Vaccination against poliomyelitis"; "Enteric viruses producing diseases simulating poliomyelitis: echo viruses, coxsackie viruses"; "Studies on cultured mammalian cells"; "General considerations of viruses"; "Diagnosis"; "Basic problems of respiratory distress in patients with poliomyelitis"; "Group and home care of patients with respiratory or extensive paralysis"; "Final general session—summary of viruses, care and rehabilitation and closing remarks."

Primer of Free Government. William Bergen Chalfant. Philosophical Library, New York, 1959. 160 pp. \$3.

Progress in the Chemistry of Organic Natural Products. vol. 15, 244 pp. \$9.75. vol. 16, 226 pp. \$9.50. L. Zechmeister, Ed. Springer, Vienna, Austria, 1958.

The Pulse of Radar: the Autobiography of Sir Robert Watson-Watt. Dial, New York, 1959. x + 448 pp. \$6.

Miscellaneous Publications

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

An Annotated Bibliography of Research in Economically Important Species of California Fish and Game. California Legislature Assembly Interim Committee Reports, vol. 5, No. 5. Compiled by William F. Scheuermann, Jr. California Assembly Interim Committee on Fish and Game, California Legislature, Sacramento, 1958 (order from Room 3111, State Capitol Annex, Sacramento). 271 pp.

Optical Properties of Saturn's Rings. pt. I, *Transmission.* Smithsonian Contributions to Astrophysics, vol. 2, No. 13. Allan F. Cook, II, and Fred A. Franklin. 6 pp. *Evolution of Arthropod Mechanisms.* Misc. Collections vol. 138, No. 2. R. E. Snodgrass. 77 pp. Smithsonian Institution, Washington, D.C., 1958.

Three North American Cretaceous Fishes. pt. I, *Remarks on Helmintholepis vermiculatus Cockerell.* David H. Dunkle. Proceedings of the U.S. National Museum, vol. 108, No. 3401. David H. Dunkle. 8 pp. *Taxonomy and Nomenclature of Three Species of Lonchura (Aves: Estrildinae).* Proceedings, vol. 108, No. 3402. Kenneth C. Parkes. 14 pp. Smithsonian Institution, Washington, D.C., 1958.

Notes on African Bulbuls. Family Pycnonotidae, class Aves. Fieldiana: Zoology, vol. 35, No. 6. Austin L. Rand. 78 pp. *Marine Mollusks from Bougainville and Florida, Solomon Islands.* Fieldiana: Zoology, vol. 39, No. 20. Alan Solem. 14 pp. \$0.30. *The Crocodilian Genus Paleosuchus.* Fieldiana: Zoology, vol. 39, No. 21. Frederick J. Medem. 20 pp. \$0.50. *A New Genus and Species of Fish from the Gulf of Mexico.* Fieldiana: Zoology, vol. 39, No. 22. Loren P. Woods. 4 pp. \$0.10. *A Note on the Philippine Frogs Related to Rana Macrodon.* Fieldiana: Zoology, vol. 39, No. 23. Robert F. Inger. 3 pp. \$0.10. *Stoneflies from the Philippines (Plecoptera).* Fieldiana: Zoology, vol. 42, No. 6. Stanley G. Jewett, Jr. 10 pp. \$0.40. Chicago Natural History Museum, Chicago, Ill., 1958.

The Native Brotherhoods: Modern Intertribal Organizations on the Northwest Coast. Bureau of American Ethnology Bull. 168. Philip Drucker. Smithsonian Institution, Washington 25, 1958 (order from Supt. of Documents, GPO, Washington 25). 194 pp. \$1.

Hodgkin's Disease. Annals, vol. 73, art. 1. Antonio Rottino, Consulting Ed. 380 pp. \$4.50. *Third Tissue Homotransplantation Conference.* Annals, vol. 73, art. 3. Blair O. Rogers, Consulting Ed. 330 pp. \$5. *Psoriasis.* Annals, vol. 73, art. 5. Peter Flesch, Consulting Ed. 126 pp. \$2.75. *Photoreception.* Annals, vol. 74, art. 2. Jerome J. Wolken, Consulting Ed. 246 pp. \$3.50. *Enzymes in Blood.* Annals, vol. 75, art. 1. Laurens P. White, Consulting Ed. 384 pp. \$5. *The Basic and Clinical Research of the New Antibiotic, Kanamycin.* Annals, vol. 76, art. 2. Maxwell Finland, Consulting Ed. 391 pp. \$5. New York Acad. of Sciences, New York, 1958.