

on which the Philadelphia school was based.

The biographies of the patriarch, Louis A. Duhring, and his professional heirs and of John H. Stokes and his students constitute the history of dermatology in Philadelphia. In his book, the author has made the old schools come alive. He has illustrated the relationships of leading lights in Philadelphia dermatology by means of charts showing their spheres of influence.

His clear analysis of the development of dermatology in that city is made more lucid by means of insight into the lives and characters of Duhring and Stokes presented through the eyes of their contemporaries and students. It shows the profound influence that Duhring had during his lifetime, and even after death by means of his personal fortune, which was dedicated to what had been his sole interest in life—the advancement of the specialty of cutaneous medicine.

Of interest to physicians, as well as to those trained in law, will be the complete text of Duhring's will—a masterpiece of testamentary draftsmanship that covered every contingency and revealed further the personality of the testator.

Not least in interest are the author's philosophic comments in the preface and in a section on notes and errors, which cast light on the tribulations of historians. The book also gives an insight into the art of writing medical history; wherever possible the author makes use of memoirs written by contemporaries, adding perceptive explanations only when necessary.

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Transactions of the Symposium on Computing, Mechanics, Statistics and Partial Differential Equations. Held at the University of Chicago 29–30 Apr. 1954. vol. II, Symposium on Applied Mathematics. F. E. Grubbs, F. J. Murray, and J. J. Stoker, Eds. Interscience, New York–London, 1955. iv + 216 pp. Illus. \$5.

This second symposium volume, like the first, is reprinted from *Communications on Pure and Applied Mathematics* [8, No. 1 (1955)]. It contains three chapters dealing with numerical analysis, two with problems in mathematical statistics (and one with statistical mechanics), and two with differential equations. The remaining three chapters are devoted to operations research, elasticity, and stability in mechanical systems.

The papers are of fine quality. The one by Florent Bureau on "Divergent in-

tegrals and partial differential equations" gives a penetrating review of the subject, including an extensive bibliography. Several other papers provide useful bibliographies. This is particularly true of J. Neyman's "The problem of inductive inference"; H. O. Hartley's "Some recent developments in analysis of variance"; and John Todd's "Motivations for working in numerical analysis," an interesting and inclusive survey of the most significant aspects of modern research in the field.

Like Todd, most of the other authors have provided a review of the field mentioned in the title, sometimes by an incisive discussion of special problems. Two papers present approaches peculiarly identified with the authors. "The simplest rate theory of pure elasticity" by C. A. Truesdell sets forth a new concept for the study of elasticity and expounds the simplest ideas of the resulting theory. The paper by William Feller, "On differential operators and boundary conditions," discusses a generalization of a linear differential operator of second order and shows by examples the usefulness of the concept, even for classical problems.

MINA REES

Hunter College

New Books

The Biology of the Spirit. Edmund W. Sinnott. Viking, New York, 1955. 180 pp. \$3.50.

Genetics Is Easy. A handbook of information. Philip Goldstein. Lantern Press, New York, ed. 2, 1955. 238 pp. \$4.

The Only Way Out. Jacob Rosin. American Press, New York, 1955. 114 pp. \$2.95.

Yearbook of Anthropology, 1955. vol. 1. William L. Thomas, Jr., Ed. Wenner-Gren Foundation for Anthropological Research, New York, 1955. 836 pp.

Forestry Handbook. Reginald D. Forbes, Ed. Ronald Press, New York, 1955. 1200 pp. \$15.

A History of Philosophy. B. A. G. Fuller; revised by Sterling M. McMurrin. Holt, New York, ed. 3, 1955. 618 pp. \$6.90.

The Extra Pharmacopoeia. vol. 2. Pharmaceutical Press, London, ed. 23, 1955. 1501 pp. £2 17s. 6d.

Imagination's Other Place. Poems of science and mathematics. Compiled by Helen Plotz. Crowell, New York, 1955. 200 pp. \$3.50.

Hawley's Technical Speller. Compiled by Gessner G. Hawley and Alice W. Hawley. Reinhold, New York; Chapman & Hall, London, 1955. 146 pp. \$2.95.

The Permanent Revolution in Science. Richard L. Schanck. Philosophical Library, New York, 1954. 112 pp. \$3.

World Economic Geography with Emphasis on Principles. Earl B. Shaw. Wiley, New York; Chapman & Hall, London, 1955. 582 pp. \$6.50.

Miscellaneous Publications

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

The Helen Hay Whitney Foundation Second Report, for the Years 1950–1954. The Foundation, New York, 1955. 60 pp.

Report to Congress on the Mutual Security Program for the Six Months Ended June 30, 1955. Superintendent of Documents, GPO, Washington 25, 1955. 60 pp. \$0.45.

Report on the Foundation's Activities for the Year Ended January 31, 1955. Wenner-Gren Foundation for anthropological Research, New York, 1955. 84 pp.

The Bromeliaceae of Brazil. Misc. Coll., vol. 126, No. 1. Lyman B. Smith. Smithsonian Institution, Washington, 1955. 290 pp.

Polio and the Salk Vaccine. Public Affairs Pamphlet No. 150A. Roland H. Berg. Public Affairs Committee, New York 16, 1955. 28 pp. \$0.25.

Proceedings of the Third Japan National Congress for Applied Mechanics, 1953. 1954. 442 pp. *Proceedings of the Fourth Japan National Congress for Applied Mechanics, 1954. 1955.* 468 pp. Ed. by Japan National Committee for Theoretical and Applied Mechanics. Science Council of Japan, Tokyo.

Geology of Southern California. Bull. 170. Div. of Mines, Dept. of Natural Resources, San Francisco 11, Calif., 1954. 878 pp. (10 separately bound chapters, 34 map sheets, and 5 road logs, boxed.) \$12.

Museum at Work. Bernice P. Bishop Museum annual report for 1954. The Museum, Honolulu, 1955. 55 pp.

Uranium Prospecting in Canada, Ground and Aerial Surveys. AECL No. 200. A. H. Lang. 22 pp. *Canadian Practice in Ore Dressing and Extractive Metallurgy of Uranium.* AECL No. 201. A. Thunæs. 9 pp. *Electric Power in Canada.* Regional forecasts in relation to nuclear power possibilities. AECL No. 202. J. Davis. 11 pp. *Some Economic Aspects of Nuclear Fuel Cycles.* AECL No. 203. W. B. Lewis. 30 pp. *Health and Safety Activities in Reactor Operations and Chemical Processing Plants.* AECL No. 207. A. J. Cipriani. 8 pp. *Studies of Special Problems in Agriculture and Silviculture by the Use of Radioisotopes.* AECL No. 209. J. W. T. Spinks. 33 pp. *Current Techniques in the Handling and Distribution of Cobalt 60 Radiation Sources.* AECL No. 212. A. B. Lillie. 16 pp. Atomic Energy of Canada, Chalk River, Ontario, 1955.

The Prevention of Occupational Skin Diseases. Louis Schwartz. Assoc. of American Soap and Glycerine Producers, New York 17, 1955. 42 pp.

Proceedings of the Fourth Meeting of the Mixed Commission on the Ionosphere of the International Council of Scientific Unions. Held in Brussels, 16–18 Aug. 1954. 238 pp. \$6. *Proceedings of the XIth General Assembly of the International Scientific Radio Union.* Held in The Hague, 23 Aug.–2 Sept. 1954. vol. X, pt. 4, *Commission IV on Radio Noise of Terrestrial Origin.* 60 pp. \$1.20. International Scientific Radio Union, Brussels, 1955.