

weather forecasting and more on atmospheric processes and climatology. The climatic features of the globe are described in three chapters dealing with the temperature and precipitation regimes and relating the broad scheme of geographical distribution, as represented by the Koeppen classification.

Weather problems affect all walks of life. They are important in all phases of engineering and aviation. They govern agriculture, forestry, and conservation. Students in these fields should have a meteorological course. For such purposes one could hardly find a better book than Pettersen's. Budding meteorologists, too, will find it a good mentor.

H. E. LANDSBERG

Office of Climatology,
U.S. Weather Bureau

New Books

Epilepsy. Manfred Sakel. Philosophical Library, New York, 1958. 240 pp. \$5.

The Eye. A clinical and basic science book. E. Howard Bedrossian. Thomas, Springfield, Ill., 1958. 369 pp. \$11.

Food and You. Edmund Sigurd Nasset. Barnes & Noble, New York, ed. 2, 1958. 166 pp. \$1.25.

The Graftor's Handbook. R. J. Garner. Faber and Faber, London, ed. 2, 1958. 260 pp. 25s.

Guide to the Literature of the Zoological Sciences. Roger C. Smith. Burgess, Minneapolis, Minn. ed. 5, 1958. 214 pp. \$3.50. This guide is intended to acquaint the student with some useful sources of references and to help the student become acquainted with the chief works in his specialized field and related fields. It includes information on useful and recent bibliographies, rules for making a scientific bibliography, and suggestions for the scientific writer.

Introduction to Algebraic Geometry. Serge Lang. Interscience, New York, 1958. 271 pp. \$7.25.

The Motivation, Productivity, and Satisfaction of Workers. A. Zaleznik, C. R. Christensen, F. J. Roethlisberger. Graduate School of Business Administration, Harvard Univ., Boston, 1958. 464 pp. \$6.

Phosphorus and Its Compounds. vol. I, Chemistry. John R. Van Wazer. Interscience, New York, 1958. 967 pp. \$27.50.

The Plasma in a Magnetic Field. A symposium on magnetohydrodynamics. Rolf K. M. Landshoff, Ed. Stanford Univ. Press, Stanford, Calif., 1958. 135 pp. \$4.50.

The Politics of Despair. Hadley Cantril. Basic Books, New York, 1958. 287 pp. \$5.

Principles of Statistical Techniques. A first course, from the beginnings, for schools and universities. P. G. Moore. Cambridge Univ. Press, New York, 1958. 247 pp. \$3.75.

Progress in Crystal Physics. vol. I, Thermal, Elastic and Optical Properties. R. S. Krishnan. Viswanathan, Central Art Press, Chetput, Madras 31, India. 204 pp. Rs. 20.

Psychological Stress. Psychoanalytic and behavioral studies of surgical patients. Irving L. Janis. Wiley, New York; Chapman & Hall, London, 1958. 453 pp. \$6.95.

Psychopathology. A source book. Charles F. Reed, Irving E. Alexander, Silvan S. Tomkins. Harvard Univ. Press, Cambridge, Mass., 1958. 815 pp. \$12.50.

Radioactive Isotopes in Clinical Practice. Edith H. Quimby, Sergei Feitelbert, Solomon Silver. Lea & Febiger, Philadelphia, Pa., 1958. 451 pp. \$10.

Statistics of Extremes. E. J. Gumbel. Columbia Univ. Press, New York, 1958. 395 pp. \$15.

Stoichiometry. For chemical engineers. Edwin T. Williams and R. Curtis Johnson. McGraw-Hill, New York, 1958. 363 pp. \$8.

Structural Conversions in Crystalline Systems and Their Importance for Geological Problems. Special Paper 60. Wilhelm Eitel. Geological Soc. of America, New York 27, 1958. 197 pp.

Symposium on Information Theory in Biology. Gatlinburg, Tennessee, 29-31 October 1956. Hubert P. Yockey, Robert L. Platzman, Henry Quastler, Eds. Pergamon Press, New York and London, 1958. 430 pp. \$12.

Symposium on Protein Structure. International Union of Pure and Applied Chemistry, Paris meeting, 1957. Albert Neuberger, Ed. Methuen, London; Wiley, New York, 1958. 351 pp. \$7.75. This symposium under the general chairmanship of Professor Jean Roche was attended by more than 150 protein chemists. The papers presented are divided into the following sections: "General Problems and Methods"; "Specific Proteins"; "Proteolytic Enzymes"; "Ribonuclease"; "Tobacco Mosaic Virus"; "Other Proteins and Peptides."

Theory and Methods of Scaling. Warren S. Torgerson. Wiley, New York; Chapman & Hall, London, 1958. 473 pp.

Trace Elements. Proceedings of the conference held at the Ohio Agricultural Experiment Station, Wooster, 14-16 October 1957. C. A. Lamb, O. G. Bentley, J. M. Beattie, Eds. Academic Press, New York, 1958. 422 pp. \$12. This symposium on the role of trace elements in plants, animals, and microorganisms was held as a part of the diamond jubilee celebration of the Ohio Agricultural Experiment Station.

Transactions of the Conference on the Use of Solar Energy, the Scientific Basis. vol. I, The available energy. Measurement of the radiation. 135 pp. vol. II, Thermal processes. Part I, Section A, Flat-plate collectors. 145 pp. vol. II, Section B, High-temperature solar furnaces. Solar power. 265 pp. vol. III, Part II, Solar house heating. Solar water heating. Solar stoves. Solar distillation. 169 pp. vol. IV, Photochemical processes. 187 pp. vol. V, Electrical processes. 170 pp. Sponsored by Univ. of Arizona, Stanford Research Inst., and Assoc. for Applied Solar Energy, 31 October-1 November 1955, Tucson, Ariz. Edwin F. Carpenter, Ed. Univ. of Arizona Press, Tucson, 1958. \$12.50 per set.

What We Do Know about Heart Attacks. John W. Gofman. Putnam's, New York, 1958. 191 pp. \$3.50.

Miscellaneous Publications

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

Vibration and Shock Isolation—a Survey. National Standards Laboratory Tech. Paper No. 10. J. A. Macinate. 39 pp. *Tasmanian Farm Dams in Relation to Fish Culture.* Division of Fisheries and Oceanography Tech. Paper No. 4. 24 pp. Commonwealth Scientific and Industrial Research Organization, Melbourne, Australia, 1958.

Microscopic Staining Techniques. No. 3. Edward Gurr. Edward Gurr, Ltd., Michrome Laboratories, London, S.W. 14, ed. 2, 1958. 62 pp.

Explorer IV—1958 Epsilon Orbital Data Series. Issue 3, 16 September 1958. Army Ballistic Missile Agency, Redstone Arsenal, Ala.; Smithsonian Astrophysical Observatory, Cambridge, Mass., 1958. 871 pp.

Kenya Wild Life Society, Report, 1957. Consular House, Coronation Avenue, P.O. Box 20110, Nairobi, Kenya, 1958. 106 pp.

Roscoe B. Jackson Memorial Laboratory, Bar Harbor, Maine, Twenty-ninth Annual Report. The Laboratory, Bar Harbor, Maine, 1958. 92 pp.

Immunization Information for International Travel. Publ. No. 384. Prepared by the Epidemiology and Immunization Branch, Division of Foreign Quarantine. Bureau of Medical Services, U.S. Public Health Service, Washington, rev. ed., 1958 (order from Supt. of Documents, GPO, Washington 25). 71 pp. \$0.30.

Field Trip Guidebook, St. Louis Meeting, 1958. Field Trip Committee, Geological Soc. of America, New York 27, 1958. 46 pp.

Homemaking Education Programs for Adults. Vocational Division Bull. No. 268. Home Economics Education Series No. 30. Office of Education, Washington, 1958 (order from Supt. of Documents, GPO, Washington 25). 62 pp. \$0.25.

Concept of the Pacific. Bernice P. Bishop Museum annual report for 1957. Bishop Museum Press, Honolulu, Hawaii, 1958. 31 pp.

Mémorial de la Météorologie Nationale. Contribution à l'étude du climat d'entre Loire inférieure et Gironde d'après des archives climatologiques inédites. No. 44. Paule Garenc. Météorologie Nationale, Paris, 1957. 197 pp.

Laboratory Instructions in Microbiology. Louis P. Gebhardt and Dean A. Anderson. Mosby, St. Louis, Mo., ed. 2, 1958. 261 pp. \$3.75.

Practice in Thinking. A laboratory course in introductory chemistry. Jay A. Young. Prentice-Hall, Englewood Cliffs, N.J., 1958. 92 pp. \$2.95.

Albertus van Beek, 1787-1856. Mededelingen der Koninklijke Nederlandse Akademie van Wetenschappen, vol. 21, No. 5. J. G. Van Cittert-Eymers. Noord-Hollandsche, Amsterdam, 1958. 36 pp. Fl. 3.

Investigations of Ring-Necked Pheasants. Tech. Bull. No. 1, July 1958. William B. Robertson, Jr. Division of Game Management, Springfield, Ill., 1958. 138 pp. Single copies free from Director, Department of Conservation.