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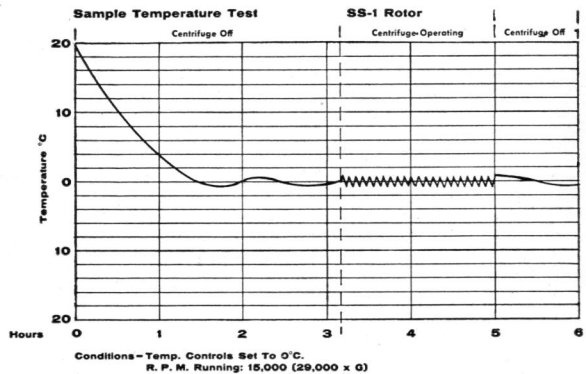
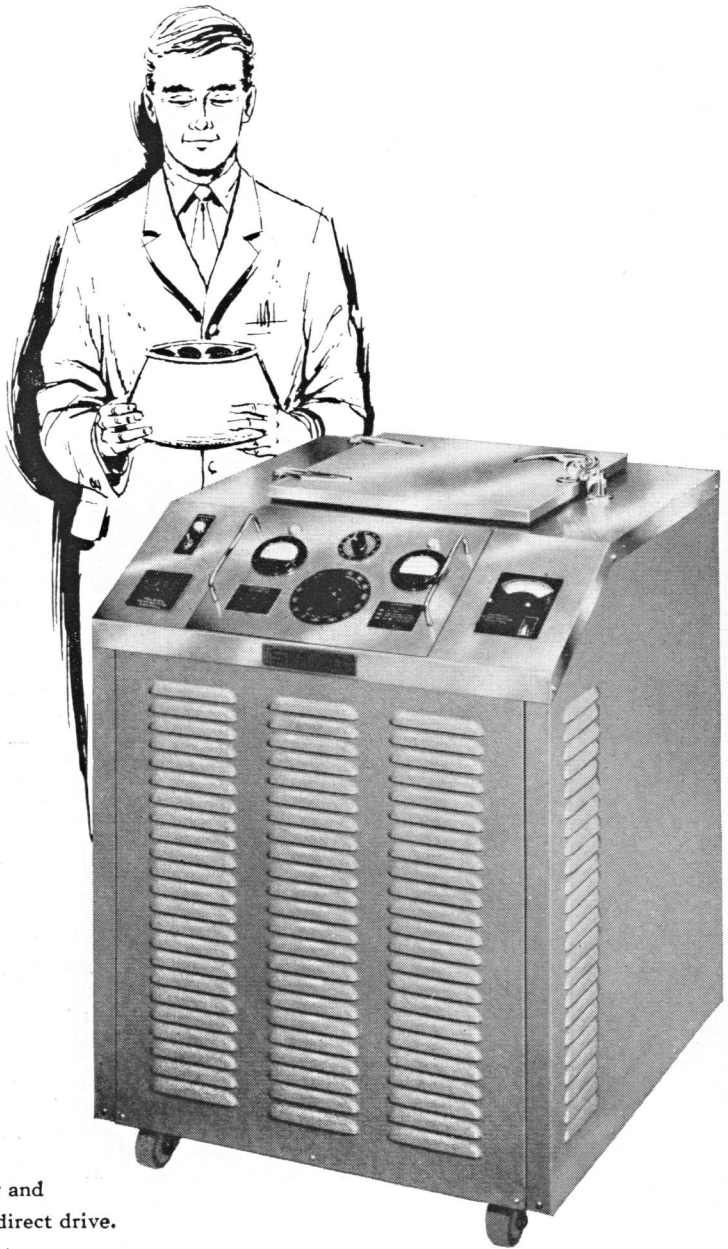
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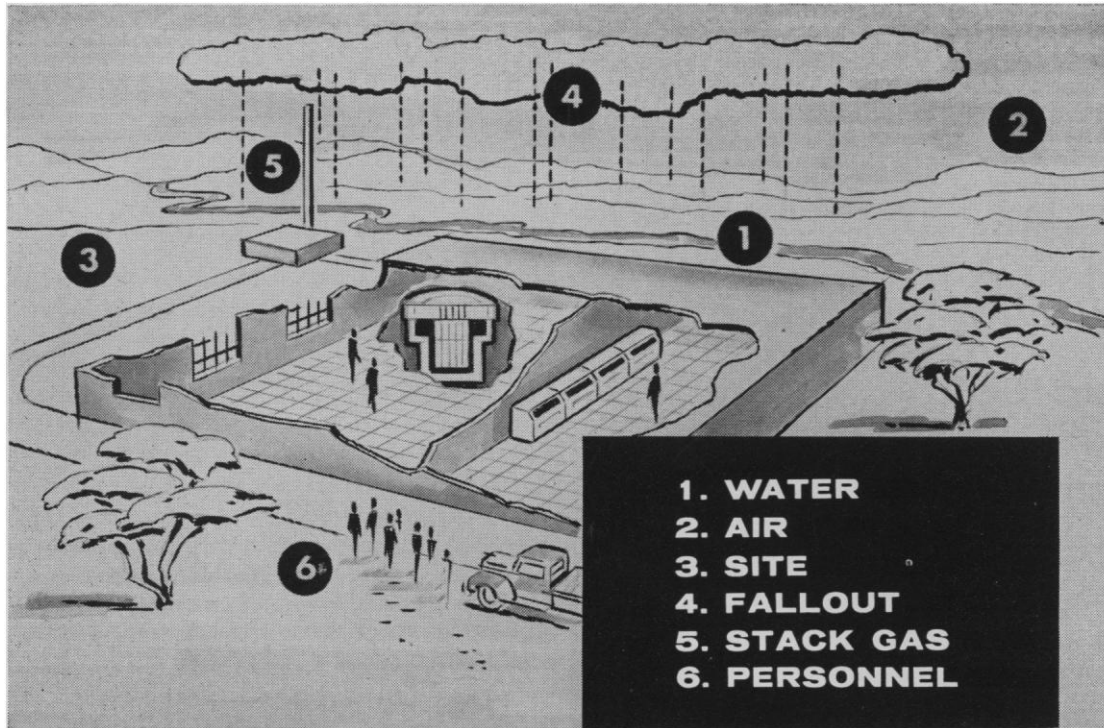


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macrorheology; Prager treats finite plastic deformation; Drucker considers the stress strain of metals; Dienes develops the role of imperfections in plastic flow; J. M. Burgers and W. G. Burgers develop dislocation theory. There are other excellent chapters, but this gives an idea of the interesting subjects discussed in a book which all rheologists should read.

Although the various authors stress their special interests and so give a rather uneven treatment of the field of rheology, this comprehensive book is a valuable addition to the rapidly growing rheological literature.

HENRY EYRING

University of Utah

New Books

Biochemical Problems of Lipids. Proceedings of the Second International Conference held at the University of Ghent, 27-30 July 1955. G. Popjak and E. Le Breton, Eds. Interscience, New York; Butterworths, London, 1956. 505 pp. \$10.75.

Through Soviet Windows. Joseph E. Evans. Dow Jones, New York, 1957. 124 pp.

A Manual of Soil Fungi. Joseph C. Gilman. Iowa State College Press, Ames, rev. ed. 2, 1957. 450 pp. \$7.50.

Seminole Music. Bureau of American Ethnology Bull. 161. Frances Densmore. Smithsonian Institution, Washington, 1956 (order from Supt. of Documents, GPO, Washington 25). 223 pp. \$1.

Medicine in a Changing Society. Lectures to the Laity, No. XVIII, New York Academy of Medicine. Iago Galdston, Ed. International Universities Press, New York, 1956. 166 pp. \$3.

Wonders of Man. Mysteries that point to God. Gary Webster. Sheed & Ward, New York, 1957. 152 pp. \$2.50 (for children).

Systematic Studies on Astragali of the Near East (especially Palestine, Syria, Iraq). A. Eig. Israel Scientific Press, Jerusalem, 1955 (order from Interscience, New York 1). 187 pp. \$4.50.

Quality Control for Plastics Engineers. Lawrence M. Debing. Reinhold, New York; Chapman & Hall, London, 1957. 142 pp. \$4.95.

Introduction to Operations Research. C. West Churchman, Russell L. Ackoff, E. Leonard Arnoff. Wiley, New York; Chapman & Hall, London, 1957. 645 pp. \$12.

Scientific and Learned Societies of Great Britain. A handbook compiled from official sources. Allen & Unwin, London, ed. 58, 1956 (order from Macmillan, New York). 211 pp. \$6.

Fusion Methods in Chemical Microscopy. Walter C. McCrone, Jr. Interscience, New York, 1957. 307 pp. \$6.75.

Principles of Engineering Heat Transfer. Warren H. Giedt. Van Nostrand, Princeton, N.J., 1957. 372 pp. \$8.25.

Professional Amateur. The biography of Charles Franklin Kettering. T. A. Boyd. Dutton, New York, 1957. 242 pp. \$4.50.

Models of Man. Social and rational. Mathematical essays on rational human behavior in a social setting. Herbert A. Simon. Wiley, New York; Chapman & Hall, London, 1957. 287 pp. \$5.

The Ornithologists' Guide. H. P. W. Hutson. Philosophical Library, New York, 1956. 275 pp. \$10.

Algebraic Geometry and Topology. A symposium in honor of S. Lefschetz. R. H. Fox, D. C. Spencer, A. W. Tucker, Eds. Princeton University Press, Princeton, N.J., 1957. 399 pp. \$7.50.

Schizophrenia 1677. A psychiatric study of an illustrated autobiographical record of a demoniacal possession. Ida Macalpine and Richard A. Hunter. Dawson, London, 1956. 197 pp.

Aspects Biochimiques Communs aux Etres Vivants. Introduction à la biochimie générale des organismes. Marcel Florin. Masson, Paris; Desoer, Liege, Belgium, 1956. 425 pp. F. 3600.

Methods in Enzymology. vol. III. Sidney P. Colowick and Nathan O. Kaplan. Academic Press, New York, 1957. 1154 pp. \$26.

Botany. An introduction to plant science. Wilfred W. Robbins, T. Elliot Weier, C. Ralph Stocking. Wiley, New York; Chapman & Hall, London, 1957. 578 pp. \$6.95.

Sedimentary Rocks. F. J. Pettijohn. Harper, New York, ed. 2, 1957. 718 pp. \$12.

Actions Chimiques et Biologiques des Radiations. Deuxième Series. M. Haisinsky, Ed. Masson, Paris, 1956. 221 pp. Paper, F. 2800; cloth, F. 3400.

Foundations of Inductive Logic. Roy Harrod. Harcourt, Brace, New York, 1956. 290 pp. \$7.

The Life of Arthur Stanley Eddington. A. Vibert Douglas. Nelson, London, American ed. 1, 1957. 207 pp. \$6.25.

Williams-Waterman Fund for the Combat of Dietary Diseases. A history of the period 1935-1955. Robert R. Williams. Research Corp., New York 17, 1957. 120 pp.

Science in the Making. Bampton Lectures in America, No. 9. Joel H. Hildebrand. Columbia University Press, New York, 1957. 116 pp. \$3.

Geometric Algebra. Interscience Tracts in Pure and Applied Mathematics, No. 3. E. Artin. Interscience, New York, 1957. 214 pp. \$6.

The Barker Index of Crystals. A method for the identification of crystalline substances. vol. II, *Crystals of the Monoclinic System*; pt. 1, *Introduction and Tables*, 383 pp.; pt. 2, *Crystal Descriptions M. 1 to M. 1800*; pt. 3, *Crystal Descriptions M. 1801 to M. 3572*. M. W. Porter and R. C. Spiller. Heffer, Cambridge, 1956. \$10.

Fibres, Plastics, and Rubbers. A handbook of common polymers. W. J. Roff. Academic Press, New York; Butterworths, London, 1956. 400 pp. \$10.

The Mechanism of Phase Transformations in Metals. A symposium organized by the Institute of Metals and held at the Royal Institution, London, on 9 November 1955. Monograph and Report Ser. No. 18. Institute of Metals, London, 1956. 346 pp. \$7.50.

Miscellaneous Publications

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

Loop Development of the Pennsylvanian Terebratulid Cryptacanthia. Misc. Collections vol. 134, No. 3. G. Arthur Cooper. 1957. 18 pp. *New Horizons in Astronomy.* Contributions to Astrophysics, vol. 1, No. 1. Fred L. Whipple, Ed. 1956. 181 pp. \$1.50. Smithsonian Institution, Washington (order from Supt. of Documents, GPO, Washington 25).

Foundations' Fund for Research in Psychiatry. Brief report of grant activities for the year ending 30 June 1956. Foundations' Fund for Research in Psychiatry, New Haven 11, Conn., 1957. 27 pp.

Institut pour la Recherche Scientifique en Afrique Centrale, Septième Rapport Annuel 1954. The Institute, rue Montoyer, 42, Bruxelles, 1956. 267 pp.

Wind and Solar Energy. Proceedings of the New Delhi Symposium. UNESCO, Paris, 1956. 238 pp. \$7.

Educational Testing Service, Annual Report to the Board of Trustees, 1955-56. Educational Testing Service, Princeton, N.J., 1957. 150 pp.

Toxemia of Pregnancy. Report of the First Ross Obstetric Research Conference. Ross Laboratories, Columbus 16, Ohio, 1956. 79 pp.

Schools for Tomorrow: an Educator's Blueprint. Alexander J. Stoddard. Fund for the Advancement of Education, New York 21, 1957. 62 pp.

Advisory Group on Veterinary Public Health, Report. WHO Tech. Rept. Ser. No. 111. 26 pp. \$0.30. *Diagnosis and Typing in Leptospirosis, Report of a Study Group.* WHO Tech. Rept. Ser. No. 113. 10 pp. \$0.30. World Health Organization, Geneva, 1956 (order from Columbia University Press, New York).

National Advisory Committee on Research in the Geological Sciences, Sixth Annual Report, 1955-56. Geological Survey of Canada, Ottawa, 1956. 57 pp. \$0.50.

The National Research Council Review (Canada) 1956. NRC No. 3976. National Research Council, Ottawa, Canada, 1957. 284 pp. \$0.75.

Waxes and Wax-Like Materials. Quarterly, vol. 52, No. 1. George W. LeMaire. Colorado School of Mines, Golden, Colo., 1957. 72 pp. \$1.

Tropical American Myrtaceae. Notes on generic concepts and descriptions of previously unrecognized species. Fieldiana: Botany, vol. 29, No. 3. Rogers McVaugh. 84 pp. \$1.50. *The Herpetology of Sinai.* Fieldiana: Zoology, vol. 39, No. 4. Karl P. Schmidt and Hymen Marx. 20 pp. \$0.40. Chicago Natural History Museum, Chicago, 1956.

Life and Mind. Antioch College founders day lecture. Edmund Ware Sinnott. Antioch Press, Yellow Springs, Ohio, 1956. 29 pp. \$0.50.

The Biology of Colony Foundations in Reticulitermes Hesperus Banks. Publ. in Zoology, vol. 61, No. 5. Frances M. Weesner. University of California Press, Berkeley, 1956. 62 pp. \$1.25.