

"Synthetic rubbers for special service conditions," by F. A. Bovey (77 pages and 137 references); "Fiber materials," by T. D. Callinan (43 pages and 77 references); "High voltage insulation papers," by William A. Del Mar (29 pages and 78 references); "Special glasses for nuclear engineering applications," by N. J. Kreidl and J. R. Hensler (25 pages and 42 references); "Characteristic properties of modern ceramics," by John H. Koenig and Edward J. Smoke (29 pages and 26 references); "Germanium and silicon," by Gustav Szekely (33 pages and 65 references); and "Zirconium," by G. E. Miller (80 pages and 104 references). The book also includes 10 pages of author index and 6 pages of subject index.

The authors of the various chapters, all experts in their respective fields, have described their subjects so that the graduate engineer will have no trouble understanding the subject matter even though he is not a specialist in that particular field. My specialty is rubber, and therefore a review of the chapter on rubber is the only one that I can do critically. To prepare this chapter the editor selected one of the country's outstanding polymer and rubber chemists who has reviewed "the newer developments in synthetic rubbers for service under conditions where heat, cold, solvents, oils, electrical stress, or other factors make the common, large-volume types of synthetic rubbers unsuitable." This he has accomplished in an authoritative manner. The other chapters also seem to have been very ably prepared.

In spite of the great diversity of the subjects covered, this first volume should prove to be extremely valuable and interesting to the development engineer and to the student. The appearance of succeeding volumes will eagerly be awaited.

NORMAN BEKKEDAHN

National Bureau of Standards,
Washington, D.C.

New Books

Advances in Protein Chemistry. vol. XIII. C. B. Anfinsen, Jr., Kenneth Bailey, M. L. Anson, John T. Edsall, Eds. Academic Press, New York, 1958. 535 pp. \$13.80. Contents: "The use of immunochemical methods in studies on proteins" (P. Grabar); "Protein-carbohydrate complexes" (F. R. Bettelheim-Jevons); "The silk fibroins" (F. Lucas, J. T. B. Shaw, S. G. Smith); "Synthesis and chemical properties of poly- α -amino acids" (E. Katchalski and M. Sela).

The Age of Improvement. Asa Briggs. Longmans, Green, New York, 1959. 559 pp. \$7.

The American Economy: an Appraisal of Its Social Goals and the Impact of Science and Technology. Proceedings of the Science-Economics Workshop. Joint

Council on Economic Education, New York 36, 1959. 160 pp. \$2.

Animal Camouflage. Adolf Portmann. Translated by A. J. Pomerans. Univ. of Michigan Press, Ann Arbor, 1959. 111 pp. \$4.50.

Antibiotics Annual, 1958-1959. Proceedings of the sixth annual symposium on antibiotics. Henry Welch and Felix Marti-Ibanez, Eds. Medical Encyclopedia, New York, 1959. 1124 pp. \$12.

Atomic Medicine. Charles F. Behrens. Williams & Wilkins, Baltimore, Md., ed. 3, 1959. 719 pp. \$15.

Atoms Today and Tomorrow. Margaret O. Hyde. McGraw-Hill, New York, rev. ed., 1959. 159 pp. \$3.

Basic Physics of Atoms and Molecules. U. Fano and L. Fano. Wiley, New York; Chapman & Hall, London, 1959. 429 pp. \$10.

Between Earth and Space. Clyde Orr, Jr. Macmillan, New York, 1959. 261 pp. \$4.95.

Brandlehre und Chemischer Brandschutz. Eine einföhrung in die Grundlagen. Ludwig Scheichl. Hüthig, Heidelberg, Germany, 1958. 448 pp. DM. 28.

Il cannocchiale di Galileo e la scienza del Seicento. Vasco Ronchi. Edizioni Scientifiche Einaudi, Torino, Italy, 1958. 248 pp.

Cathartics and Common Sense. William R. Farrar. Lippincott, Philadelphia, 1959. 154 pp. Paper, \$1.25.

Cellular and Humoral Aspects of the Hypersensitive States. A symposium held at the New York Acad. of Medicine. H. Sherwood Lawrence, Ed. Hoeber-Harper, New York, 1959. 679 pp. \$18.

The Chemistry of Drugs. Norman Evers and Dennis Caldwell. Interscience, New York, 1959. 415 pp. \$12.25.

The Chemistry of Industrial Toxicology. Hervey B. Elkins. Wiley, New York; Chapman & Hall, London, ed. 2, 1959. 463 pp. \$11.50.

Classification of the Aradidae (Hemiptera-Heteroptera). Robert L. Usinger and Ryuichi Matsuda. British Museum (Natural History), London, 1959. 417 pp. £4.

Colorimetric Methods of Analysis. Including photometric methods. vol. IIA. Foster Dee Snell and Cornelia T. Snell. Van Nostrand, Princeton, N.J., 1959. \$15.

Comparative Morphology of Vascular Plants. Adriance S. Foster, and Ernest M. Gifford, Jr. Freeman, San Francisco, Calif., 1959. 566 pp. \$9.

Conduction of Heat in Solids. H. S. Carslaw and J. C. Jaeger. Oxford Univ. Press, New York, 1959. 520 pp. \$13.45.

Cours d'anatomie comparee des vertebres. Jean G. Baer. Masson, Paris, 1959. Text, 210 pp. atlas, 523 figs. F. 5000.

Creativity. An examination of the creative process. Paul Smith, Ed. Hastings House, New York, 1959. 210 pp. \$4.95.

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Dendritic Crystallization. D. D. Saratovkin. Translated from Russian by J. E. S. Bradley. Consultants Bureau, New York, 1959. 126 pp. \$6.

A Design Manual for Cabinet Furniture. Basic scientific principles concerning its construction. Pergamon Press, New York and London, 1958. 56 pp. \$3.50.

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Environmental Conservation. Raymond F. Dasmann. Wiley, New York; Chapman and Hall, London, 1959. 318 pp. \$6.50.

Fundamental Aspects of Reactor Shielding. Herbert Goldstein. Addison-Wesley, Reading, Mass., 1959. 432 pp. \$9.50.

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Guide de travaux pratiques de zoologie. Paul Brien. Masson, Paris; Desoer, Liège, Belgium, ed. 3, 1959. 272 pp. F. 2100.

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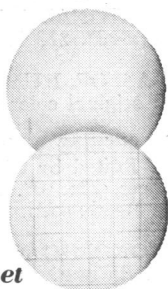
Lectures on Nuclear Theory. L. D. Landau and Y. Smorodinsky. Plenum

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Press, New York, rev. ed., 1959. 115 pp. \$5.25.

Lubrication Science and Technology. vol. 1, No. 2. John Boyd, Ed. Pergamon Press, New York and London, 1958. 120 pp. \$10. This is a publication of the American Society of Lubrication Engineers. There are 16 papers by various authors.

The Marriage Bed. An analyst's case-book. Harry F. Tashman. University Publishers, New York, 1959. 303 pp. \$4.95.

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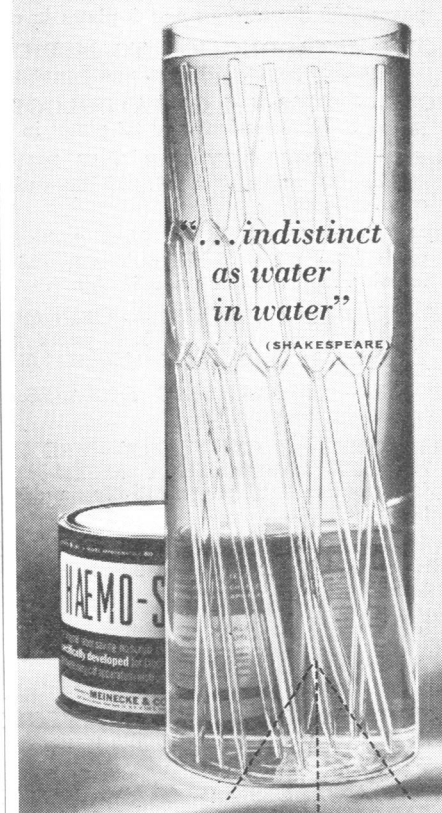
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Proceedings of the Second World Congress on Fertility and Sterility. vols. 1 and 2. G. Tesaro, Ed. International Fertility

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Association and Institute of Clinical Obstetrics of Gynecology, Univ. of Naples, Naples, Italy. 2948 pp. This congress was held 18–26 May 1956, and was attended by 1200 scholars from 65 nations. The papers presented are divided into 15 sections and are published in the author's own language, with summaries in the official languages of the conference—English, French, German, Italian, and Spanish.

Radiographic Atlas of Skeletal Development of the Hand and Wrist. William Walter Greulich and S. Idell Pyle. Stanford Univ. Press, Stanford, Calif.; Oxford Univ. Press, London, 1959. 272 pp. \$15.

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