

structures of semiconductors, of beryllium, and of disordered systems, but not of the bands in organic crystals, are included. With respect to defect properties, only surface states are touched on, and those very briefly; nothing on point defects or mechanical properties appears. These omissions were probably intentional and are entirely excusable. The study of relatively simple condensed systems is such an enormous discipline that arbitrary choices are inevitable.

The directors of the course and the anonymous editors of this volume are to be congratulated on their production. It can be viewed either as a textbook which happens to have 30 authors or as the proceedings of a conference with a remarkable uniformity of style. How will it be used? To me it seems that it could find a place as a supplement to available solid state physics and statistical mechanics texts. Owned by a group (since it is expensive) of graduate students who familiarize themselves with the material covered (since there is no index), the book would be a convenient source of detailed descriptions of modern methodologies written with slightly different slants (since the contributors are not, on the whole, authors of existing texts). For the research worker or teacher, the probability of finding at least one excellently prepared set of lectures in his field is rather high, but this advantage will be offset by the lack of an index and the substantial price.

R. S. KNOX

*Department of Physics and Astronomy,
University of Rochester,
Rochester, New York*

Books Received

Advances in Virus Research. Vol. 14. Kenneth M. Smith and Max A. Lauffer, Eds. Academic Press, New York, 1969. viii + 352 pp., illus. \$16.

Aldine University Atlas. Norton Ginsburg, Harold Fullard, and H. C. Darby, Eds. Aldine, Chicago; Scott, Foresman, Glenview, Ill., 1969. viii + 312 pp., illus. \$8.50.

Allied Health Manpower: Trends and Prospects. Harry I. Greenfield, with the assistance of Carol A. Brown. Columbia University Press, New York, 1969. xx + 196 pp. \$8.

Analytic Geometry and the Calculus. A. W. Goodman. Macmillan, New York; Collier-Macmillan, London, ed. 2, 1969. xxiv + 824 pp., illus. \$12.95.

The Arnepik and Tyara Sites. An Archaeological Study of Dorset Culture

Origins. William E. Taylor, Jr. Published in cooperation with the National Museums of Canada, Ottawa, by the Society for American Archaeology, Salt Lake City, 1968. xiv + 130 pp., illus. Paper, \$4.50. Memoirs of the SAA, No. 22. Issued as *American Antiquity*, Vol. 33, No. 4, Part 2, 1968.

The Art of Looking at Broad Valleys. C. H. Crickmay. Published by the author, Calgary, Alberta, Canada, 1969 (available from Evelyn de Mille Books, 616 Third St., SW, Calgary). vi + 24 pp. Paper, \$2.

Astronomischer Jahresberichte. 67. Band, Die Literatur des Jahres 1967. W. Lohmann, F. Henn, U. Güntzel-Lingner, and D. Krahn, Eds. Published by Astronomische Rechen-Institut, Heidelberg. De Gruyter, Berlin, 1969. xii + 804 pp. Paper, DM 80.

The Audio-Tutorial Approach to Learning. Through Independent Study and Integrated Experiences. S. N. Postlethwait, J. Novak, and H. T. Murray, Jr. Burgess, Minneapolis, ed. 2, 1969. viii + 152 pp., illus. Paper, \$4.75.

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Chemical Reactions in Electrical Discharges. A symposium, Miami Beach, 1967. Bernard D. Blaustein, Symposium Chairman. American Chemical Society, Washington, D.C., 1969. xii + 516 pp., illus. \$15. Advances in Chemistry Series, No. 80.

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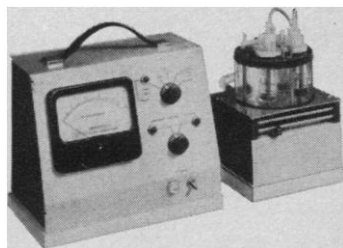
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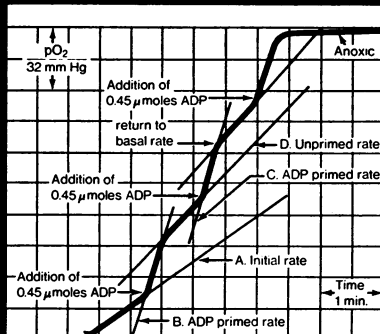
Exploring Heat. Alexander Efron. Hayden, New York, 1969. viii + 88 pp., illus. Paper, \$2.45. Hayden Modern Physics Series.

Exploring Matter and Nuclear Energy. Alexander Efron. Hayden, New York,

(Continued on page 627)



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A Field Guide to the Stars and Planets. Including the Moon, Satellites, Comets, and Other Features of the Universe. Donald H. Menzel. Illustrated by Ching Sung Yü. Mifflin, Boston, 1969. xvi + 400 pp. \$4.95. Peterson Field Guide Series, vol. 15. Reprint of the 1964 edition.

Food Pharmacology. N. Sapeika. Thomas, Springfield, Ill., 1969. xiv + 186 pp., illus. \$9.50. American Lecture Series, No. 732.

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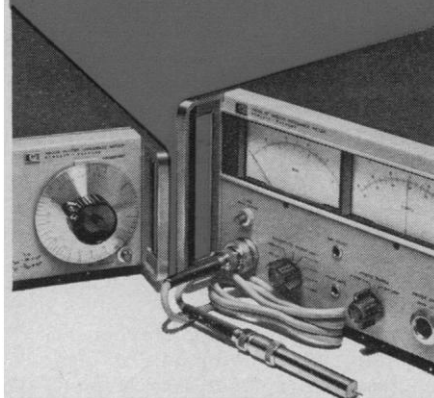
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Influence of Structural Movement on Sedimentation During the Pennsylvanian Period in Western Missouri. Richard J. Gentile. University of Missouri Press, Columbia, 1968. x + 86 pp., illus. + 8 separate plates. \$4.50. University of Missouri Studies, vol. 45.

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Insomnia. The Guide for Troubled Sleepers. Gay Gaer Luce and Julius Segal. Doubleday, Garden City, N.Y., 1969. xii + 372 pp. \$6.95.

Intelligence and Cultural Environment. Philip E. Vernon. Methuen, London, 1969 (U.S. distributor, Barnes and Noble, New York). viii + 264 pp., illus. \$7.25. Methuen's Manuals of Modern Psychology.

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Introduced Trees of Central California. Woodbridge Metcalf. Illustrated by Mary B. and Fred Pomeroy and Mary Foley Benson. University of California Press, Berkeley, 1968. 160 pp., illus. + 8 plates. Paper, \$2.25. California Natural History Guides, No. 27.

Introduction to Celestial Mechanics. Jean Kovalevsky. Translated from the French edition (Paris, 1963) by Express Translation Service. Springer-Verlag, New York; Reidel, Dordrecht, Holland, 1967. viii + 128 pp., illus. \$6.40. Astrophysics and Space Science Library, vol. 7.

Introduction to Plant Physiology. Jacob Levitt. Mosby, St. Louis, 1969. viii + 304 pp., illus. \$9.85.

Introduction to PL/1 Programming. R. Clay Sprowls. Harper and Row, New York, 1969. x + 182 pp., illus. Paper, \$4.95.

Introduction to Terrain-Vehicle Systems. Part 1, The Terrain. Part 2, The Vehicle. M. G. Bekker. University of Michigan Press, Ann Arbor, 1969. xviii + 846 pp., illus. \$27.50.

Isolation and Identification of Drugs in Pharmaceuticals, Body Fluids and Post-Mortem Material. E. G. C. Clarke, Ed., assisted by Judith Berle. Pharmaceutical Press, London, 1969 (available in U.S. from Rittenhouse Book Store, Philadelphia). xxiv + 872 pp., illus. \$39. Extra Pharmacopoeia Companion Volume.

The Journal of Charles Mason and Jeremiah Dixon. Transcribed from the original in the U.S. National Archives. Introduction by A. Hughlett Mason. American Philosophical Society, Philadelphia, 1969. xii + 232 pp., illus. \$5. *Memoirs of the American Philosophical Society*, vol. 76.

Laboratory Anatomy of the White Rat. Robert B. Chiasson. Brown, Dubuque, Iowa, ed. 2, 1969. viii + 88 pp., illus. Spiral bound, \$1.95.

Laboratory Exercises in Cell Physiology. Roger H. Trumbore. Mosby, St. Louis, 1969. x + 158 pp. Spiral bound, \$4.25.

Laboratory Manual for Chemistry: A Quantitative Approach by R. Nelson Smith, John E. Quinlan, and Alvin L. Beilby. Ronald Press, New York, 1969. viii + 184 pp., illus. Paper, \$4.25.

A Laboratory Manual of Mammalian Anatomy and Physiology. Sigmund Grollman. Macmillan, New York; Collier-Macmillan, London, ed. 2, 1969. xiv + 226 pp., illus. Paper, \$4.95.

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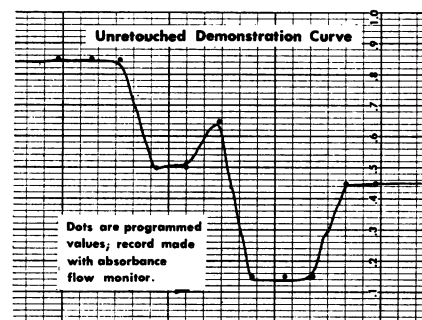


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Left and Right in Science and Life. Vilma Fritsch. Barrie and Rockliff, London, 1968 (U.S. distributor, Humanities Press, New York). 20 pp., illus. \$5.50.

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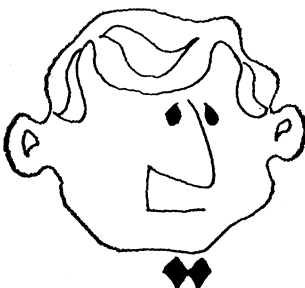
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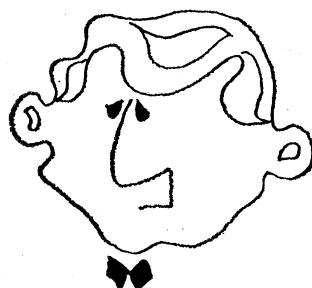
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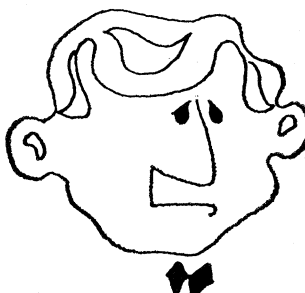
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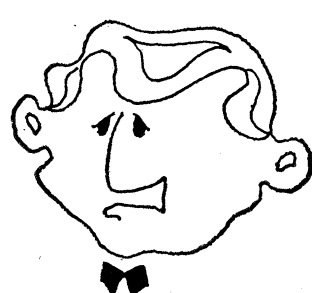
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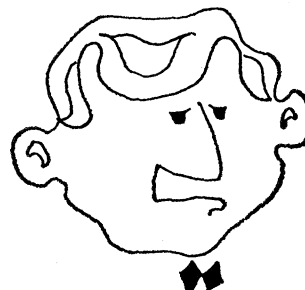
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TOOK AWAY THE
OLD MIXER
THAT SPLASHED**



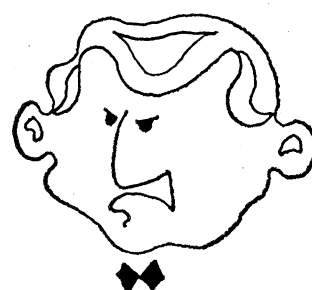
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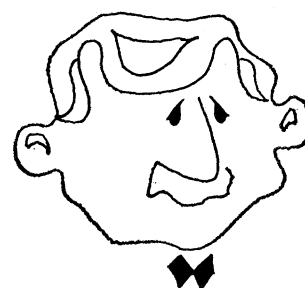
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August 1969, 292 pp., \$12.00

Crowell, New York, 1969. 144 pp. + 12 plates. \$6.95.

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