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C11	6.3	173	.36
C2	6.3	171	.44
C22	5.5	184	.44
C3	5.4	197	.64
C33	4.8	220	.64
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manuals of the various instruments. Similarly the student is expected to refer to his Electricity and Magnetism text for basic theory not directly related to instrumentation. However, the author as an experienced teacher is aware of the inadequacies of most undergraduate texts in presenting certain topics such as transmission lines, and at these points he has included basic theory.

A useful discussion of errors, particularly in terms of mean square deviations, is given. This discussion unfortunately does not describe methods for the estimate and use of maximum limits of error associated with a single measurement of a quantity.

Procedural instructions for over forty experiments are included in the book. These will prove useful in many laboratory courses. However, in an increasing number of courses there is a desire to develop new experiments which not only provide experience in electrical measurements, but also simultaneously provide students with the opportunity to explore interesting and important phenomena of fundamental physics, particularly solid-state physics. Even though special procedural instructions will have to be prepared locally for these courses, a good reference book on electrical measurements will still be necessary. Michel's text will be very useful in fulfilling this need.

Correction:

In the review of *Gas Discharges II*, Vol. 22 of the *Handbuch der Physik*, by S. A. Korff (*Physics Today*, Jan. 1957, p. 45), Gordon Francis, the author of the section on Glow Discharge at Low Pressure, was identified with Cambridge, England. Dr. Francis is at the Clarendon Laboratory, Oxford.

Books Received

THE ECONOMICS OF NUCLEAR POWER, Vol. 1. Series 8 of Progress in Nuclear Energy. Edited by J. Guéron, J. A. Lane, I. R. Maxwell, J. R. Menke. 513 pp. McGraw-Hill Book Co., Inc., New York, 1957. \$17.00.

MATHEMATICAL TABLES: Vol. 1, The Use and Construction of Mathematical Tables. By L. Fox. 60 pp. (Nat'l Physical Lab) HM Stationery Office, London, England, 1956. Paperbound 17s. 6d.

TRILINEAR CHART OF NUCLIDES (2nd Revised Edition). By William H. Sullivan. (US Atomic Energy Comm.) US Government Printing Office, Washington, D. C., 1957. Paperbound \$2.00.

SPACE, TIME, AND CREATION: Philosophical Aspects of Scientific Cosmology. By Milton K. Munitz. 182 pp. The Free Press, Glencoe, Ill., 1957. \$3.75.

THEORIES OF THE UNIVERSE: From Babylonian Myth to Modern Science. Edited by Milton K. Munitz. 437 pp. The Free Press, Glencoe, Ill., 1957. \$6.50.

PHYSICS: A Textbook for Colleges (6th Revised Edition). By Oscar M. Stewart and Newell S. Gingrich. 756 pp. Ginn & Co., Boston, Mass., 1957. \$6.50.

PHYSICS IN METEOROLOGY. By A. C. Best. 159 pp. Pitman Publishing Corp., New York, 1957. \$3.75.

SEMICONDUCTOR SURFACE PHYSICS: Proceedings of the Conf. on the Physics of Semiconductor Surfaces (Philadelphia, Pa., June 1956). Edited by R. H. Kingston. 413 pp. U. of Pennsylvania Press, Philadelphia, Pa., 1957. \$8.00.

ATOMS FOR THE WORLD: US Participation in the Conf. on the Peaceful Uses of Atomic Energy. By Laura Fermi. 227 pp. The U. of Chicago Press, Chicago, Ill., 1957. \$3.75.

CHEMICAL PHASE THEORY. By J. Zernike. 493 pp. Kluwer's Publishing Co. Ltd., Deventer, Holland, 1957. fl. 70.

PROPERTIES OF PETROLEUM RESERVOIR FLUIDS. By Emil J. Burcik. 190 pp. John Wiley & Sons, Inc., New York, 1957. \$7.50.

RELAXATION SPECTROMETRY. By E. G. Richardson. 140 pp. (North-Holland, Holland) Interscience Publishers, Inc., New York, 1957. \$5.75.

PHILOSOPHY OF SCIENCE: The Link Between Science and Philosophy. By Philipp Frank. 394 pp. Prentice-Hall, Inc., Englewood Cliffs, N. J., 1957. \$5.75.

AMERICAN INSTITUTE OF PHYSICS HANDBOOK. Edited by Dwight E. Gray with 8 section editors. 1535 pp. McGraw-Hill Book Co., Inc., New York, 1957. \$15.00.

INSTRUMENTATION IN BIO-MEDICAL RESEARCH (Survey Report). By Paul E. Klopsteg. NAS-NRC Publication 472. 14 pp. National Academy of Sciences—National Research Council, Washington, D. C., 1957. Paperbound.

KODAK WRATTEN FILTERS (19th Edition). 79 pp. Eastman Kodak Co., Rochester, N. Y., 1957. Paperbound \$75.

PROCEEDINGS OF THE SECOND RETMA CONFERENCE ON RELIABLE ELECTRICAL CONNECTIONS (U. of Pennsylvania, Sept. 1956). 103 pp. Engineering Publishers, New York, 1957. Paperbound \$5.00.

JOURNÉES INTERNATIONALES DE MICROSCOPIE ELECTRONIQUE APPLIQUÉE À L'INDUSTRIE (Liège, May 1956). 176 pp. Centre National de Recherches Métallurgiques, Liège, Belgium.

THE FIRST ONE HUNDRED AND FIFTY YEARS: A History of John Wiley & Sons, Inc. 242 pp. John Wiley & Sons, Inc., New York, 1957. \$7.50.

ELECTRICAL CONDUCTIVITY II. Vol. 20 of Handbuch der Physik. Edited by S. Flügge. 491 pp. Springer-Verlag, Berlin, Germany, 1957. DM 112.00 (if part of series DM 89.60).

X-RAYS. Vol. 30 of Handbuch der Physik. Edited by S. Flügge. 384 pp. Springer-Verlag, Berlin, Germany, 1957. DM 88.00 (if part of series DM 70.40).

INDEX OF PUBLICATIONS: August 1956. 391 pp. The Rand Corp., Santa Monica, Calif., 1957.

THE PROSPECTS OF NUCLEAR POWER AND TECHNOLOGY. By Gerald Wendt. 348 pp. D. Van Nostrand Co., Inc., Princeton, N. J., 1957. \$6.00.

THERMODYNAMIC PROPERTIES OF THE ELEMENTS. No. 18 of the Advances in Chemistry Series. Edited by the staff of Industrial & Engineering Chemistry. 234 pp. American Chemical Society, Washington, D. C., 1956. \$5.00.

ERNEST RUTHERFORD: Atom Pioneer. By John Rowland. 160 pp. Philosophical Library, Inc., New York, 1957. \$4.75.

FOUNDATIONS OF RADIO (6th Edition). By M. G. Scroggie. 349 pp. (Iliffe, England) Philosophical Library, Inc., New York, 1957. \$10.00.

CHEMICAL ENGINEERING REPORTS: How to Search the Literature and Prepare a Report (4th Edition). By Kenneth A. Kobe. 175 pp. Interscience Publishers, Inc., New York, 1957. Paperbound \$3.00.



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