

BOOKS *Continued from page 33*

dissolved in metals. No effort has been spared to make the present book both fair and complete in its field and the result is a work which one must read if one is concerned with the strange effects of gases in metals.

The book begins with a periodic table showing the elements which occlude hydrogen, in some cases with evolution of heat and in others with heat absorption. Particularly valuable is the annotated bibliography of 1470 references. The literature is complete through 1946. Aside from supplementary notes and an index the book ends with a fifteen page survey of points covered. Particularly striking is the linear decrease of magnetism of palladium with hydrogen concentration reported on pages 215 and 216. It is not easy to see what could have been left out of the fourteen chapters. An easier book to read, however, will be written at some future time when the theoretical interconnections become more clearly apparent. The book is recommended as a very careful and thorough report by a man who has taken the trouble to know what he is talking about.

Henry Eyring
University of Utah

Books Received

HYDROLOGY. Edited by Oscar E. Meinzer. 712 pp. McGraw-Hill Book Company, New York, 1942. Third Impression, Dover Publications, Inc., New York, 1949. \$4.95.

THE SLIDE RULE. By Lee H. Johnson. 242 pp. D. Van Nostrand Company, Inc., New York, 1949. \$3.00.

ELECTRIC CIRCUITS AND MACHINES. By B. L. Robertson and L. J. Black. 434 pages. D. Van Nostrand Company, Inc., New York, 1949. \$5.00.

ELEMENTS OF STRENGTH OF MATERIALS. By S. Timoshenko and Gleason H. MacCullough. Third Edition. 426 pp. D. Van Nostrand Company, Inc., New York, 1949. \$5.00.

BASIC COLLEGE PHYSICS. By Henry A. Perkins. 605 pp. Prentice-Hall, Inc., New York, 1949. \$6.35.

DESCRIPTION OF A RELAY CALCULATOR. By the staff of the Computation Laboratory, Harvard University. 366 pp. Harvard University Press, Cambridge, Mass., 1949. \$8.00.

THE PHARMACOLOGY AND TOXICOLOGY OF URANIUM COMPOUNDS. Edited by Carl Voegtlin and Harold C. Hodge. Parts I and II, 1,084 pp. (Not sold separately.) McGraw-Hill Book Company, Inc., New York, 1949. \$10.00.

APPLIED MECHANICS STATICS. By George W. Housner and Donald E. Hudson. 220 pp. D. Van Nostrand Company, Inc., New York, 1949. \$3.00.

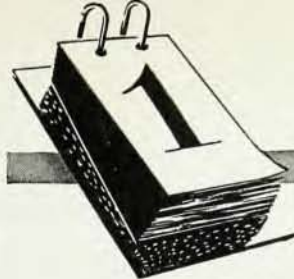
EXPERIMENTAL PHYSICS FOR COLLEGES. (Revised Edition.) By Walter A. Schneider and Lloyd B. Ham. The Macmillan Company, New York, 1949. \$3.80.

QUANTUM THEORY OF FIELDS. By Gregor Wentzel. (Translated from the German by Charlotte Houtermans and J. M. Jauch.) 244 pp. Interscience Publishers, New York, 1949. \$6.00.

THE MATHEMATICAL ANALYSIS OF LOGIC. By George Boole. 82 pp. Philosophical Library, New York. (First published 1847. Reprinted 1948.) \$3.75.

INTRODUCTION TO RADIOCHEMISTRY. By Gerhart Friedlander and Joseph W. Kennedy. 412 pp. John Wiley and Sons, Inc., New York, 1949. \$5.00.

COMMUNICATION CIRCUITS. By Lawrence A. Ware and Henry R. Reed. (Third Edition.) 403 pp. John Wiley and Sons, Inc., New York, 1949. \$5.00.



CALENDAR

of EVENTS

- September 9-12 Instrument Society of America Clinic on Maintenance of Industrial Instruments, St. Louis, Mo.
- September 12-16 Instrument Society of America, St. Louis, Missouri
- September 13 Society for Applied Spectroscopy, New York City
- September 18-23 American Chemical Society (Semiannual Meeting), Atlantic City, New Jersey
- September 19-23 Illuminating Engineering Society (National Technical Conference), French Lick, Indiana
- September 25-28 American Institute of Mining and Metallurgical Engineers (Regional Meeting), Columbus, Ohio
- September 26-28 National Electronics Conference, Chicago, Illinois
- September 28-30 American Society of Mechanical Engineers (Fall Meeting), Erie, Pennsylvania
- October 4 Society for Applied Spectroscopy, New York City
- October 10-14 American Society for Testing Materials (West Coast Meeting), San Francisco, California
- October 10-14 Society of Motion Picture Engineers (Semiannual Convention), Hollywood, California
- October 11-14 American Standards Association, New York, New York
- October 12-15 Electrochemical Society (96th Convention), Chicago, Illinois
- October 17-19 American Institute of Mining and Metallurgical Engineers (Institute of Metals Division), Cleveland, Ohio
- October 17-21 American Institute of Electrical Engineers (Mid-West General Meeting), Cincinnati, Ohio
- October 17-21 American Society for Metals, Cleveland, Ohio
- October 23-30 International Congress of the Society of Industrial Chemistry, Barcelona, Spain
- October 27-29 Optical Society of America, Buffalo, New York
- October 29 American Mathematical Society, New York, New York
- October 31-November 2 Radio Engineers (Fall Meeting, sponsored by Radio Manufacturing Association and Institute of Radio Engineers), Syracuse, New York
- October 31-November 2 International Scientific Radio Union and IRE Professional Group on Wave Propagation and Antennas, Washington, D. C.
- November 3-5 Conference on Gaseous Electronics, Pittsburgh, Pa.
- November 7-9 Conference on Electrical Insulation, Pocono Manor, Pennsylvania
- November 7-10 American Institute of Chemical Engineers, Pittsburgh, Pennsylvania
- November 10-12 Geological Society of America, El Paso, Texas
- November 17-18 Dallas Geophysical Society and Fort Worth Geophysical Society (Regional Exploration Meeting), Dallas, Texas
- November 17-19 Acoustical Society of America, St. Louis, Missouri
- November 25-26 American Physical Society, Chicago, Illinois
- November 25-26 American Mathematical Society, Chicago, Illinois
- November 26 American Mathematical Society, Pasadena, Cal.
- November 27-December 2 American Society of Mechanical Engineers (Annual Meeting), New York City
- December 4-7 American Institute of Chemical Engineers (Annual Meeting), Pittsburgh, Pennsylvania
- December 16-18 American Society for X-ray and Electron Diffraction, Columbus, Ohio
- December 26-31 American Association for the Advancement of Science, New York City