

Books Received

ADVANCES IN CATALYSIS AND RELATED SUBJECTS. Volume III. Edited by W. G. Frankenburg, V. I. Komarewsky and E. K. Rideal. 360 pp. Academic Press Inc., New York, 1951. \$7.80.

HISTORY OF THE THEORIES OF AETHER AND ELECTRICITY (Revised and Enlarged Edition). By Sir Edmund Whittaker. 434 pp. Thomas Nelson and Sons, Ltd., London, England, 1951. 32/6.

FUNDAMENTAL MECHANISMS OF PHOTOGRAPHIC SENSITIVITY. Edited by J. W. Mitchell. 347 pp. Academic Press, Inc., New York, 1951. \$9.50.

UNIVERSAL MECHANICS AND HAMILTON'S QUATERNIONS. By Otto F. Fischer. 356 pp. Axion Institute, Stockholm, Sweden, 1951. \$10.00.

FUNDAMENTAL PRINCIPLES OF PHYSICAL CHEMISTRY (Revised Edition). By Carl F. Prutton and Samuel H. Marron. 803 pp. The Macmillan Company, New York, 1951. \$5.75.

COMBUSTION, FLAMES AND EXPLOSIONS OF GASES. By Bernard Lewis and Guenther von Elbe. 795 pp. Academic Press, Inc., New York, 1951. \$13.50.

THE RESTLESS UNIVERSE (Second Revised Edition). By Max Born. 315 pp. Dover Publications, Inc., New York, 1951. \$3.95.

200 MILES UP. THE CONQUEST OF THE UPPER AIR. By J. Gordon Vaeth. 207 pp. The Ronald Press Company, New York, 1951. \$4.50.

THE TOTAL CHARGES OF FISSION FRAGMENTS IN GASEOUS AND SOLID STOPPING MEDIA. By N. O. Lassen. 28 pp. I Kommission hos Ejnar Munksgaard, Copenhagen, Denmark, 1951. \$0.75.

FUNDAMENTALS OF ELECTRONICS. By F. H. Mitchell. 243 pp. Addison-Wesley Press, Inc., Cambridge, Massachusetts, 1951. \$4.50.

WAVELENGTH TABLES OF SENSITIVE LINES. By L. H. Ahrens. 85 pp. Addison-Wesley Press, Inc., Cambridge, Massachusetts, 1951. \$3.00.

AN INTRODUCTION TO ACOUSTICS. By Robert H. Randall. 340 pp. Addison-Wesley Press, Inc., Cambridge, Massachusetts, 1951. \$6.00.

SIMPLIFIED MECHANICS AND STRENGTH OF MATERIALS. By Harry Parker. 275 pp. John Wiley and Sons, Inc., New York, 1951. \$4.00.

LANGUAGE AND COMMUNICATION. By George A. Miller. 298 pp. McGraw-Hill Book Company, New York, 1951. \$5.00.

INTERNATIONAL COMMITTEE OF ELECTROCHEMICAL THERMODYNAMICS AND KINETICS. Proceedings of the 2nd Meeting 1950. 406 pp. Libreria Editrice Politecnica Cesare Tamburini, Milan, Italy, 1951. Lire 3.800.

ELEMENTARY PROBLEMS IN ENGINEERING. By H. W. Leach and George C. Beakley. 269 pp. The Macmillan Company, New York, 1951. \$3.50.

CIVIL DEFENSE IN MODERN WAR. By Augustin M. Prentiss. 429 pp. McGraw-Hill Book Company, Inc., New York, 1951. \$6.00.

FUNDAMENTALS OF ATOMIC PHYSICS. By Saul Dushman. 294 pp. McGraw-Hill Book Company, Inc., New York, 1951. \$5.50.

THE NATURE OF POLYPHASE INDUCTION MACHINES. By Philip L. Alger. 397 pp. John Wiley and Sons, Inc., New York, 1951. \$7.50.

ULTRASONICS. By P. Vigoureux. 163 pp. John Wiley and Sons, Inc., New York, 1951. \$4.00.

RADIOACTIVITY APPLIED TO CHEMISTRY. Edited by Arthur C. Wahl and Norman A. Bonner. 604 pp. John Wiley and Sons, Inc., New York, 1951. \$7.50.

PRINCIPLES OF ELECTRICAL ENGINEERING (Fourth Edition). By W. H. Timbie, Vannevar Bush, and George B. Hoadley. 626 pp. John Wiley and Sons, Inc., New York, 1951. \$6.50.

THE HIGH PRESSURE MERCURY VAPOUR DISCHARGE. By W. Elenbaas. 173 pp. Interscience Publishers, Inc., New York, 1951. \$4.00.

AN INTRODUCTION TO THE THEORY OF CONTROL IN MECHANICAL ENGINEERING. By R. H. Macmillan. 195 pp. Cambridge University Press, New York, 1951. \$6.00.

INTEGRAL TRANSFORMS IN MATHEMATICAL PHYSICS. By C. J. Tranter. 118 pp. John Wiley and Sons, Inc., New York, 1951. \$1.50.

THERMODYNAMICS OF IRREVERSIBLE PROCESSES. By S. R. De Groot. 242 pp. Interscience Publishers, Inc., New York, 1951. \$4.00.

TRANSIENTS IN POWER SYSTEMS. By Harold A. Peterson. 361 pp. John Wiley and Sons, Inc., New York, 1951. \$6.50.

VIBRATION AND SHOCK ISOLATION. By Charles E. Crede. 328 pp. John Wiley and Sons, Inc., New York, 1951. \$6.50.

GRENZSCHICHT-THEORIE. By Hermann Schlichting. 483 pp. Verlag G. Braun, Karlsruhe, Germany, 1951. \$10.00 (bound \$10.50).

INTRODUCTION TO HILBERT SPACE AND THE THEORY OF SPECTRAL MULTIPLICITY. By Paul R. Halmos. 114 pp. Chelsea Publishing Company, New York, 1951. \$3.25.

DESIGN, CONSTRUCTION AND OPERATING PRINCIPLES OF ELECTROMAGNETS FOR ATTRACTING COPPER, ALUMINUM AND OTHER NON-FERROUS METALS. By Leonard R. Crow. 38 pp. The Scientific Book Publishing Company, Vincennes, Indiana. \$1.00 paperbound, \$1.25 clothbound. Delivered postpaid in USA.

FERROMAGNÉTISME ET ANTIFERROMAGNÉTISME. Colloques Internationaux du Centre National de la Recherche Scientifique. 360 pp. Centre National de la Recherche Scientifique, Paris, France, 1951.

LABELLED ATOMS. By Raymond Glascock. 227 pp. Interscience Publishers, Inc., New York, 1951. \$1.25.

ISOPERIMETRIC INEQUALITIES IN MATHEMATICAL PHYSICS. By G. Pólya and G. Szegő. 279 pp. Princeton University Press, Princeton, New Jersey, 1951. \$3.00.

THE STRUCTURE AND MECHANICAL PROPERTIES OF METALS. By Bruce Chalmers. 132 pp. John Wiley and Sons, Inc., New York, 1951. \$3.50.

THE EARTH'S MAGNETISM. By Sydney Chapman. 127 pp. John Wiley and Sons, Inc., New York, 1951. \$1.50.

PUNCHED CARDS. THEIR APPLICATIONS TO SCIENCE AND INDUSTRY. Edited by Robert S. Casey and James W. Perry. 506 pp. Reinhold Publishing Corporation, New York, 1951. \$10.00.

THEORY OF PERFECTLY PLASTIC SOLIDS. By William Prager and Philip G. Holdge, Jr. 264 pp. John Wiley and Sons, Inc., New York, 1951. \$5.50.

PHASE TRANSFORMATIONS IN SOLIDS (Symposium held at Cornell University August 23-26, 1948). Edited by R. Smoluchowski, J. E. Mayer and W. A. Weyl. 660 pp. John Wiley and Sons, Inc., New York, 1951. \$9.50.