

surf, or even by the inlanders whose closest contact has come from reading Melville.

*The Sea Around Us* has, according to the publishers, won for the author two awards: a Eugene F. Saxton Fellowship to aid her in completing the book, and the George Westinghouse Science Writing Award for the best scientific writing of 1950, based on one of the chapters (*The Birth of an Island*), which appeared as an article in the *Yale Review*. The awards are understandable.

## Briefly Noted

### Applied Nuclear Physics

The second edition of the well-known book *Applied Nuclear Physics*, by Ernest C. Pollard and William L. Davidson, is essentially a revision of the original material to bring it up to date, with the addition also of sections on such modern developments as cosmic rays, chain reactions, pile theory, etc. The presentation is intended to serve primarily as an introduction to nuclear physics from a practical viewpoint for the many people who make use of the methods and results of this field in their work, and for this purpose it is certainly adequate. However, despite the contention of the authors, the book seems entirely unsuited for textbook use in a physics curriculum, although it would be satisfactory as an auxiliary reference. The essentially descriptive nature of *Applied Nuclear Physics* is far from a handicap for its use by nonspecialists, but the absence for the most part of an ordered analytical approach to the subject renders it ineffective for use in a course in nuclear physics. (352 pp. John Wiley and Sons, Inc., New York, 1951. \$5.00.)

### German-English Dictionaries

Two German-English technical dictionaries have been published recently, both of which should prove useful to those engaged in translating technical material printed in the German language. The *German-English Technical and Engineering Dictionary* (by Louis De Vries; 928 pp. McGraw-Hill Book Co., Inc., New York, 1950; \$20.00) presents a compendium of approximately 125,000 entries including a vast addition of new technological nomenclature.

The *German-English Technical Dictionary*, two volumes, is now available commercially through the joint efforts of the U. S. Air Force, Charles A. Meyer and Co., Inc., and S. F. Vanni, Publishers and Booksellers, New York, at the price of \$35.00 for both volumes. It was compiled by the Dictionary Unit of the Air Documents Research Center, established in 1945 by the U. S. Strategic Air Forces in Europe to screen and process the mass of air-technical information captured from the defeated Germans. Since much of the terminology found in the secret documents had been created in wartime Germany, the Center found it necessary to develop its own dictionary in order to facilitate assimilation of the new data by American and British scientists.

## Books Received

ELECTROPHORESIS IN PHYSIOLOGY. By Lena A. Lewis. 66 pp. Charles C. Thomas, Springfield, Illinois, 1950. \$1.85.

AIRPLANE DESIGN MANUAL (Third Edition). By Frederick K. Teichmann. 382 pp. Pitman Publishing Corporation, New York, 1950. \$7.50.

THE PROPERTIES OF ASPHALTIC BITUMEN—WITH REFERENCE TO ITS TECHNICAL APPLICATIONS. Edited by the late J. Ph. Pfeiffer, in collaboration with H. Eilers, J. W. A. Labout, R. N. J. Saal, M. C. Siegmann, and H. W. Slotboom. 286 pp. Elsevier Publishing Company, Inc., New York, 1950. \$6.00.

FUNDAMENTALS OF STEEL CASTING DESIGN. Prepared by C. W. Briggs. 32 pp. Steel Founder's Society of America, Cleveland, Ohio, 1950. \$0.20.

PHYSICS: ITS LAWS, IDEAS, AND METHODS. By Alexander Kolin. 890 pp. McGraw-Hill Book Company, Inc., New York, 1950. \$6.50.

AN INTRODUCTION TO THE CALCULUS OF VARIATIONS. By Charles Fox. 271 pp. Oxford University Press, New York, 1950. \$4.50.

PHOTOMETRY AND THE EYE. By W. D. Wright. 127 pp. The Hatton Press Ltd., London, England, 1949. \$2.00.

TECHNICAL OPTICS. Volume II. (Revised and enlarged edition of AN INTRODUCTION TO APPLIED OPTICS.) By L. C. Martin. 344 pp. Pitman Publishing Corporation, New York, 1950. \$7.50.

THE HEBREW IMPACT ON CIVILIZATION. Edited by Dagobert D. Runes. 922 pp. The Philosophical Library, New York, 1951. \$10.00.

MATHEMATICAL ENGINEERING ANALYSIS. By Rufus Oldenburger. 426 pp. The Macmillan Company, New York, 1950. \$6.00.

ELASTICITY. Volume III. Proceedings of the Third Symposium in Applied Mathematics of the American Mathematical Society. Editorial Committee: R. V. Churchill, Eric Reissner, and A. H. Taub. 233 pp. McGraw-Hill Book Company, Inc., New York, 1950.

PULMONARY VENTILATION AND ITS PHYSIOLOGICAL REGULATION. By John S. Gray. 82 pp. Charles C. Thomas, Springfield, Illinois, 1950. \$2.00.

A HUNDRED YEARS OF PHYSICS. By William Wilson. 319 pp. The Macmillan Company, New York, 1950. \$3.50.

AERODYNAMICS OF SUPERSONIC FLIGHT: AN INTRODUCTION. By Alan Pope. 184 pp. Pitman Publishing Corporation, New York, 1950. \$4.00.

THE ATOM AT WORK. By Jacob Sacks. 327 pp. The Ronald Press Company, New York, 1951. \$4.00.

PHYSICS. By S. G. Starling and A. J. Woodall. 1301 pp. Longmans, Green and Company, Inc., New York, 1951. \$8.50.

APPLIED NUCLEAR PHYSICS (Second Edition). By Ernest C. Pollard and William L. Davidson. 352 pp. John Wiley and Sons, Inc., New York, 1951. \$5.00.

CRYSTAL GROWTH. By H. E. Buckley. 571 pp. John Wiley & Sons, Inc., New York, 1951. \$9.00.

AN INTRODUCTION TO THE SCIENCE OF PHOTOGRAPHY. By Katherine Chamberlain. 292 pp. The Macmillan Company, New York, 1951. \$4.75.

RADIATION MONITORING IN ATOMIC DEFENSE. By Dwight E. Gray and John H. Martens. 122 pp. D. Van Nostrand Company, Inc., New York, 1951. \$2.00.