

success. They write as working scientists armed with firsthand knowledge. Their text is logically arranged, well expressed, accurate, and up to date. It is an excellent example of what can be done in scientific exposition with the simplest mathematical equipment (which is, moreover, summarized in the Appendix).

"Designed," as the jacket informs us, "as a textbook for physical sciences offered to liberal arts students," it is actually a closely packed summary of the current physical picture of the universe. Its thirty chapters would have to be assimilated at the rate of about one a week in a year's course—an extremely concentrated diet. Whether the average liberal arts student, exposed willy-nilly to a course in science, could profitably consume the whole of it seems doubtful. Actually it could provide the bases for several surveys of physical science—perhaps one devoted to physics and chemistry, another to astronomy and geology.

The book has, indeed, another use, to which the reviewer has put it immediately. It will take a place on the teacher's desk as an invaluable work of reference, especially for such "liberal arts" courses as are described on the jacket. The information is well arranged, easy to find, and beautifully illustrated with diagrams. The examples are real and make a demand on the student's intelligence. There is a first-class bibliography and the index is all that an index ought to be—and too often is not. The writing is accurate and terse—a welcome change from the vague popular style affected by many general books on science.

Correction

The February issue of *Physics Today* contained a review of A. Efron's textbook *Basic Physics* (Rider Publisher, Inc., New York, 1957) in which the price was listed as \$8.95. We are informed that although the publishers originally set the price at \$8.95, it was reduced to \$7.60 by the time the book appeared in print.

Books Received

EXPLORING THE ATMOSPHERE'S FIRST MILE: Proceedings of Great Plains Turbulence Field Program (Aug.-Sept. 1953, O'Neill, Nebr.). Vol. 1, Instrumentation & Data Evaluation. Vol. 2, Site Description & Data Tabulation. Edited by Heinz H. Lettau and Ben Davidson. 578 pp. Pergamon Press, London & New York, 1957. \$20.00.

KERNINDUKTION. By A. Lösche. 605 pp. Veb Deutscher Verlag der Wissenschaften, Berlin, Germany, 1957. DM 39.60.

ECONOMICS OF ATOMIC ENERGY. By Mary Goldring. 179 pp. Philosophical Library, Inc., New York, 1957. \$6.00.

ATOMIC ENERGY IN MEDICINE. By K. E. Halnan. 157 pp. Philosophical Library, Inc., New York, 1957. \$6.00.

PROTECTION AGAINST NEUTRON RADIATION UP TO 30 MEV. NBS Handbook 63. 88 pp. US Govt. Printing Office, Washington, D. C., 1957. Paperbound \$4.00.

BIOGRAPHICAL MEMOIRS OF FELLOWS OF THE ROYAL SOCIETY, Vol. 3. 328 pp. The Royal Society, London, England, 1957. 30s.

1956 NATIONAL SYMPOSIUM ON VACUUM TECHNOLOGY TRANSACTIONS (Chicago, Ill., Oct. 1956). Edited by Edmond S. Perry and John H. Durant. 234 pp. Pergamon Press, London and New York, 1957. \$12.50.

ELEMENTS OF CLASSICAL THERMODYNAMICS FOR ADVANCED STUDENTS OF PHYSICS. By A. B. Pippard. 165 pp. Cambridge U. Press, New York, 1958. Clothbound \$4.75; paperbound \$2.75.

THE PHYSICS OF CLOUDS. By B. J. Mason. 481 pp. Oxford U. Press, New York, 1957. \$11.20.

ECONOMIC APPLICATIONS OF ATOMIC ENERGY: Power Generation & Industrial & Agricultural Uses. Report of the United Nations Sec'y-General. 108 pp. Columbia U. Press, New York, 1957. Paperbound \$5.50.

NEW SOURCES OF ENERGY AND ECONOMIC DEVELOPMENT. United Nations Dept. of Economic & Social Affairs. 150 pp. Columbia U. Press, New York, 1957. Paperbound \$1.25.

25 NOBEL PREISTRÄGER: ihre wissenschaftliche Leistung und ihre Veröffentlichungen. 70 pp. Friedr. Vieweg & Sohn, Braunschweig, Germany, 1957.

THE SPECTRUM OF ATOMIC HYDROGEN. By G. W. Series. 88 pp. Oxford U. Press, New York, 1958. \$2.00.

FONCTIONS SPHÉRIQUES DE LEGENDRE ET FONCTIONS SPHÉROÏDALES, Part 1. By Louis Robin. 201 pp. Gauthier-Villars, Paris, France, 1957. Clothbound \$10.41; paperbound \$9.70.

ATOMS, ENERGY AND MACHINES. By Jack McCormick. 224 pp. Creative Educational Society, Mankato, Minn., in co-operation with The American Museum of Natural History, 1957.

YEAR BOOK OF THE PHYSICAL SOCIETY, 1957. 132 pp. The Physical Society, London, England, 1957. Paperbound 12s. 6d., postage 7d.

BASIC SCIENCE SERIES. *Energy* by Sir Oliver Lodge; 54 pp.; \$1.25. *Heat* by Alexander Efron; 105 pp.; \$1.50. *Sound* by Alexander Efron; 72 pp.; \$1.25. John F. Rider Publisher, Inc., New York, 1958. Paperbound.

CRYSTAL STRUCTURES. Supplement 3, Chapters 1-8. By Ralph W. G. Wyckoff. Interscience Publishers, Inc., New York, 1958. Loose-leaf \$20.00.

EMULSIONS: Theory and Practice. By Paul Becher. 382 pp. Reinhold Publishing Corp., New York, 1957. \$12.50.

DISLOCATIONS AND MECHANICAL PROPERTIES OF CRYSTALS: Conf. Proceedings (Lake Placid, Sept. 1956). Edited by J. C. Fisher, W. G. Johnston, R. Thomson, T. Vreeland, Jr. 634 pp. John Wiley & Sons, Inc., New York, 1957. \$15.00.

NUCLEAR MASSES AND THEIR DETERMINATION: Conf. Proceedings (Max-Planck-Institut für Chemie, Mainz, July 1956). Edited by H. Hintenberger. 267 pp. Pergamon Press, London & New York, 1957. \$14.00.

SCIENCE AND THE CREATIVE SPIRIT: Essays on Humanistic Aspects of Science. By Karl W. Deutsch, F. E. L. Priestley, Harcourt Brown, David Hawkins. Edited by H. Brown for the American Council of Learned Societies. 165 pp. U. of Toronto Press, Toronto, Canada, 1958. \$4.50.

MÉCANIQUE STATISTIQUE DES FLUIDES: Fluctuations et Propriétés Locales. By Daniel Massignon. 263 pp. Dunod, Paris, France, 1957. 3.900 fr.

A HISTORY OF MATHEMATICS: From Antiquity to the Beginning of the 19th Century. By J. F. Scott. 266 pp. Taylor & Francis Ltd., London, England, 1958. 63s. net.