

THE ELECTRIC FURNACE. BY HENRI MOISSAN. Authorized translation by VICTOR LENHER, PH.D., University of Wisconsin. Easton, Pa.: The Chemical Publishing Co. ix + 305 pp. Price, \$3.00.

The original edition of this book has already been reviewed in this Journal, and is probably familiar to most users of electric furnaces. This English edition will bring the subject before a wider circle of readers and will doubtless stimulate the already rapidly increasing interest in the electric furnace and its products. As a field for experimentation the chemistry of high temperatures offers many attractions. It is comparatively new, but has already yielded remarkable results; the apparatus is simple, and suitable currents are easily accessible. In this book manipulation is described with sufficient clearness and fulness to serve as an adequate guide.

Dr. Lenher's translation is accurate and smooth, revealing but little of the French idiom. Yet there are not a few infelicities of expression scattered through the book which should have been eliminated, at least in the proof-reading. Such, for example, are "work in the warm," "and as well their densities do not rise regularly," "in contact to," "currents of high value," "different than," "silicon-containing cast irons" (for cast irons containing silicon). A "badger hair-brush" would be an interesting specimen. "Graphite from the South" would be misunderstood did not "Australia" follow in a parenthesis, and "Graphite from Greenville" needs further definition. "Parallelipipedon" is repeatedly used where *block* would be better. Misprints are too frequent. We have Daubreé half a dozen times and also Daubree; Frémey; Züptner for von Jüptner. Figures and names are occasionally wrong. We think the translator would have been justified in revising the formula  $Gl_4C_3$ , calculated from 13.8 as the atomic weight of glucinum, and using  $Gl_2C$ , especially as the author uses the correct atomic weight and formulae later in the book. Unfortunately, the book is hampered by the lack of an index, though there is quite a full table of contents in the opening pages.

JAS. LEWIS HOWE.

DIE WISSENSCHAFT. SAMMLUNG NATURWISSENSCHAFTLICHER UND MATHEMATISCHER MONOGRAPHIEN. HEFT I. UNTERSUCHUNGEN ÜBER DIE RADIOAKTIVEN SUBSTANZEN VON MME. S. CURIE. Uebersetzt und mit Litteratur-Ergänzungen versehen von W. KAUFMANN. Braunschweig; Druck und Verlag von Friedrich Vieweg und Sohn. 8vo. 1904. viii + 132 pp. Price, 3 marks.

This small volume from the pen of the most eminent worker