

hands of mercy, to remind each passer-by — the physician and the nurse, as they pursue their ministry of relief; the student, as he begins his daily task; and the sufferer from injury or disease — that over all this institution rests the perpetual benediction of Christian charity, the constant spirit of "good will to man." Upon one hill of Baltimore rises a temple "whose guardian crest, the silent cross," is an emblem of the Christian faith; upon another a lofty column reminds us of the patriots' hope; upon a third the Hôtel-Dieu is placed, — the house of charity. Significant triad! Here "abideth faith, hope, charity, . . . but the greatest of these is charity."

BOOK-REVIEWS.

Economic Value of Electric Light and Power. By A. R. FOOTE. Cincinnati, Robert Clarke & Co. 16°. \$1.

THE author of this little book claims that the spirit moved him, as it were, to write it *pro bono publico*. The book is essentially a collection of papers read before scientific societies, and extracts from magazine articles on the applications of electricity for producing light and in the transmission of power. Mr. Foote is a strong believer in the future of electricity as an agent in furthering human comfort, and we doubt not that many who may be pondering on the question of introducing electricity in their homes or factories will find valuable suggestions within the covers of this book. In an appendix is given a glossary of electrical terms for the benefit of unprofessional readers.

Treatise on Trigonometry. By W. E. JOHNSON. London and New York, Macmillan. 12°. \$2.25.

THIS work is intended for both those who are beginning the subject and hope to continue their mathematical studies, and those

who wish to revive their knowledge of trigonometry and to extend it beyond the limits of the ordinary text-book. The treatise is so written as to make a good introduction to much of the higher mathematics; Chapter IX., on the geometry of the triangle, being sure to help those desirous of entering upon modern geometrical developments, and the final chapter presenting a fair view of the transition from the earlier interpretations of $\sqrt{-1}$ to the quaternions of Hamilton.

AMONG THE PUBLISHERS.

HARPER BROTHERS published last week H. Rider Haggard's story of "old and mysterious Egypt," entitled "Cleopatra: being an Account of the Fall and Vengeance of Harmachis, the Royal Egyptian, as set forth by his own Hand." The book is profusely illustrated from drawings by Mr. Greiffenhagen and R. Caton Woodville.

— D. Lothrop Company have issued recently, among many other books, "One Voyage," a story of life at sea from the passenger's point of view, by Capt. Julius A. Palmer; also a pictorial "History of England in Rhyme," and a similar one of the United States. Later they will publish new editions of "Art for Young People" and "Adventures of the Early Discoverers," by Mrs. F. A. Humphrey.

— The J. B. Lippincott Company have in preparation "Elementary Lessons in Heat," by Professor S. E. Tillman, of the United States Military Academy; and a new subscription-book entitled "A Manual of Machine Construction," a practical reference-book for the design, proportions, and method of constructing all kinds of machinery in common use, with all required references for the use of engineers, draughtsmen, and mechanics, by John Richards.

Publications received at Editor's Office,
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- ALDEN's Manifold Cyclopedia of Knowledge and Language. Vol. XIII. Electricity to Exclaim. New York, J. B. Alden. 12°. 50 cents.
- BLANFORD, H. F. A Practical Guide to the Climates and Weather of India, Ceylon and Burmah and the Storms of Indian Seas. London and New York, Macmillan. 369 p. 8°. \$3.50.
- DORIOT, SOPHIE. The Beginners' Book in German. Boston and London, Ginn. 273 p. 12°. 90 cents.
- GEPP, C. G., and HAIGH, A. E. A Latin-English Dictionary. Boston, Ginn. 563 p. 12°. \$1.40.
- LIGHT on the Path, with Notes and Comments by the Author. Written down by M. C. Boston, Theosophical Book Co. 68 p. 16°. 30 cents.
- LOEWY, B. A Graduated Course of Natural Science. Part I. London and New York, Macmillan. 151 p. 16°. 60 cents.
- MEADOWCROFT, W. H. The A B C of Electricity. New York, Lovell. 108 p. 12°. 50 cents.
- PENNSYLVANIA Geological Survey. Catalogue of the Geological Museum. Part III. Harrisburg, Geol. Surv. 260 p. 12°.
- Atlas Northern Anthracite Field. Part III. Harrisburg, Geol. Surv. 8 maps. 8°.
- Atlas to Reports HH and HHH. Harrisburg, Geol. Surv. 56 p. 5 maps. 8°.
- PLATO's Protagoras; with the Commentary of Hermann Sauppe. Tr. by James A. Towle. Boston and London, Ginn. 179 p. 12°. \$1.50.
- SMITHSONIAN INSTITUTION. Annual Report of the Board of Regents of the, for the Year ending June 30, 1886. Part I. Washington, Government. 878 p. 8°.
- Two Great Retreats of History. I. The Retreat of the Ten Thousand. II. Napoleon's Retreat from Moscow. With Introduction and Notes by D. H. M. Boston, Ginn. 318 p. 16°. 60 cents.
- U. S. WAR DEPARTMENT. Annual Report of the Chief Signal Officer of the Army to the Secretary of War for the Year 1888. Washington, Government. 418 p. 8°.
- WEISMANN, A. Essays upon Heredity and Kindred Biological Problems. Oxford, Clarendon Pr. 455 p. 8°. (New York, Macmillan.)

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