of Faith of a Man of Science, by Dr. Ernst Haeckel; Life at the Zoo, by C. J. Cornish; a new edition of S. Thompson's Electricity and Magnetism and Mental Development in the Child and in the Race, by J. Mark Baldwin.

SOCIETIES AND ACADEMIES.
THE NEW YORK ACADEMY OF SCIENCES.
J. A. Matthews, Notes on Carborundum.
Bashford Dean, On the collections of Fossil Fishes at Berea, New London and Delaware, Ohio.
L. McCl. Luquer, The Relative effects of Frost and Sulphate of Soda Efflorescence as shown by Tests of Building Stone.
J. F. Kemp, Secretary.

THE TORREY BOTANICAL CLUB.
B. D. Halsted, Abnormalities in Plants Due to Fungus Parasites.
Henry H. Rusby, Secretary.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.
Ludwig Gutmann, On the Production of Rotary Magnetic Fields by a Single Alternating Current.
In the absence of the author, the paper will be presented in abstract by Dr. M. I. Pupin. A meeting of Western members will be held the same evening at Chicago, where the paper will be read by the author.
Ralph W. Pope, Secretary.

SCIENTIFIC JOURNALS.
THE AMERICAN NATURALIST.
Quaternary Time Divisible in Three Periods, the Lafayette, Glacial, and Recent: Warren Upham.
The Homologies of the Uredinea (The Rusts): Charles E. Bessey.

Zoology in the High School: Clarence M. Weed.
Editorials; Recent Books and Pamphlets; Recent Literature.
General Notes:—Petrography; Geology and Paleontology; Botany; Zoology; Entomology; Archeology and Ethnology.
Proceedings of Scientific Societies.

THE PHYSICAL REVIEW.
Frontispiece: portrait of Professor von Helmholtz.
Studies of the Lime Light: Edward L. Nichols and Mary L. Crehore.
A Study of the Residual Charges of Condensers and their Dependence upon Temperature: Frederick Bedell and Carl Kinsley.
Minor Contributions; Notes; New Books.

BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY.
Briefe Notices; Notes; New Publications.

NEW BOOKS.