

Number 236.

	Page
ART. XII.—Cheapest Form of Light, from studies at the Allegheny Observatory; by S. P. LANGLEY and F. W. VERY. (With Plates III, IV and V).....	97
XIII.—Contributions to Mineralogy, No. 48; by F. A. GENTH	114
XIV.—Curious Occurrence of Vivianite; by WM. L. DUDLEY	120
XV.—Classification of the Glacial Sediments of Maine; by GEORGE H. STONE.....	122
XVI.—The Direct determination of Bromine in mixtures of alkaline Bromides and Iodides; by F. A. GOOCH and J. R. ENSIGN.....	145
XVII.—Some Lower Silurian Graptolites from Northern Maine; by W. W. DODGE.....	153
XVIII.—Siderite-basins of the Hudson River Epoch; by JAMES P. KIMBALL. (With Plate VI).....	155
XIX.—New variety of Zinc Sulphide from Cherokee County, Kansas; by JAMES D. ROBERTSON.....	160
XX.—Two new Meteoric Irons; by F. P. VENABLE.....	161
XXI.—APPENDIX.—Notice of some Extinct Testudinata; by O. C. MARSH. (With Plates VII and VIII).....	177

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics.—Nature of Solutions, PICKERING, 163.—Molecular-Mass of Iodine, of Phosphorus, and of Sulphur in Solution, BECKMANN: Conditions of Equilibrium between Electrolytes, ARRHENIUS, 164.—Coincidences between lines of different spectra, RUNGE: Hertz's experiments, L. BOLTZMAN: Stationary light waves, O. WIENER, 165.—Electrical Oscillations in air, J. TROWBRIDGE and W. C. SABINE, 166.

Geology and Mineralogy.—The American Committee of the International Congress of Geologists, 166.—Professor Wm. M. Fontaine on the Potomac or Younger Mesozoic Flora, 168.—Eruption of Bandai-san, 169.—Die Mineralien der Syenitpegmatitgänge der Südnorwegischen Augit- und Nephelinsyenite, W. C. BRÖGGER, 170.—Catalogue of Minerals for sale by George L. English & Co., 171.

Botany.—Catalogue of Plants found in New Jersey, N. L. BRITTON, 171.—List of Plants: Preparation of sections for the study of the development of organs, GOETHART, 172.—Ascent of colored liquids in living plants, WIELER: Analytical Key to the Genera and species of North American Mosses, C. F. BARNES: Structural and Systematic Botany, D. H. CAMPBELL, 173.

Astronomy.—Spectrum of the Nebula in Orion, W. HUGGINS and Mrs. HUGGINS, 173.—New Group of Lines in the Photographic Spectrum of Sirius, W. HUGGINS, 175.

Miscellaneous Scientific Intelligence.—American Association for the Advancement of Science, 175.—Hailstones of peculiar form, O. W. HUNTINGTON: Oswald's Klassiker der exacten Wissenschaften, 176.

Obituary.—Christian Henry Frederick Peters, 176.

ERRATUM.—Fig. 3. Plate III, has been omitted, hence the references to it on pp. 105, 106 are to be struck out.