

Number 266.

	Page
ART. X.—Isothermals, Isopiestic and Isometrics relative to Viscosity; by C. BARUS	87
XI.—“Potential” a Bernoullian Term; by G. F. BECKER..	97
XII.—Datolite from Loughboro, Ontario; by L. V. PIRSSON	100
XIII.—New Machine for Cutting and Grinding thin sections of Rocks and Minerals; by G. H. WILLIAMS	102
XIV.—Stannite and some of the Alteration Products from the Black Hills, S. D.; by W. P. HEADDEN	105
XV.—Occurrence of Hematite and Martite Iron Ores in Mexico; by R. T. HILL; with notes on the associated Igneous Rocks; by W. CROSS	111
XVI.—Cæsium-Lead and Potassium-Lead Halides; by H. L. WELLS	121
XVII.—Ceratops Beds of Converse County, Wyoming; by J. B. HATCHER	135
XVIII.—Use of Planes and Knife-edges in Pendulums for Gravity Measurements; by T. C. MENDENHALL.....	144
XIX.—Preliminary note on the colors of cloudy condensation; by C. BARUS	150
XX.—Lines of structure in the Winnebago Co. Meteorites and in other Meteorites; by H. A. NEWTON	152
XXI.—Preliminary Note of a new Meteorite from Japan; by H. A. WARD	153
APPENDIX.—XXII.—Restoration of Anchisaurus; by O. C. MARSH. (With Plate VI).....	169

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics—Re-conversion of Heat into Chemical Energy in the production of Gas, NAUMANN, 155.—Temperature of Ignition of Electrolytic Gas, FREYER and V. MEYER: Electromotive Activity of the Ions, NERNST and PAULI, 156.—Separation of Precipitates at the Surface bounding Electrolytes, KÜMMELL: Chemical Phenomena at low Temperatures, PICTET, 157.—New Telephotographic lens, T. R. DALLMEYER: Oxygen for lime light, T. C. HEWORTH, 158.—Interference of Electric Waves: Explanation of Hall's phenomenon, E. LOMMEL: Mercury Voltaic arc, H. AVON, 159.

Geology and Natural History—North American Fossil Mammals, 159.—Geology of the Eureka District, A. HAGUE, 161.—Geological Survey of Alabama, E. A. SMITH: Geological Atlas of the United States, Chattanooga sheet, Tennessee: North American Continent during Cambrian Time, C. D. WALCOTT: Lafayette Formation, W. J. MCGEE: Origin and Nature of Soils, N. S. SHALER, 163.—Cambrian Fossils of New Brunswick, G. F. MATTHEW: Experiments in Physical Geology, E. REYER: Brief notices of some recently described minerals, 164.—Large Variations in the Metamorphosis of the same species, W. K. BROOKS and F. H. HERRICK, 166.—Morphologische Studien, K. SCHUMANN, 167.

Miscellaneous Scientific Intelligence—Bulletin from the Laboratories of the State University of Iowa: Astronomical Journal Prizes: Ostwald's Klassiker der Exakten Wissenschaften, 168.