

# CONTENTS OF VOLUME XIX.

## NUMBER CIX.

	Page.
ART. I.—Inequalities of the Moon's Motion produced by the Oblateness of the Earth; by J. N. STOCKWELL,.....	1
II.—Electro-Dynamometer for Measuring Large Currents; by W. N. HILL, .....	10
III.—G. K. Gilbert's Report on the Geology of the Henry Mountains, .....	17
IV.—Glycogenic Function of the Liver: Disposal of Waste; by J. LECONTE, .....	25
V.—Electrolytic Phenomena; by W. G. LEVISON, .....	29
VI.—New Forms of Fossil Crustaceans from the Upper Devonian Rocks of Ohio; by R. P. WHITFIELD, .....	33
VII.—Optical Method for the Measurement of High Temperatures; by E. L. NICHOLS, .....	42
VIII.—Explorations in the Wappinger Valley Limestone of Dutchess County, N. Y. Calciferous as well as Trenton Fossils in the Wappinger Limestone on Rochdale and a Trenton locality at Newburgh, N. Y.; by W. B. DWIGHT, .....	50
IX.—First Results from a new Diffraction Ruling Engine; by W. A. ROGERS, .....	54
X.—Solar Parallax from the Velocity of Light; by D. P. TODD, .....	59
XI.—New Characters of Mosasauroid Reptiles; by O. C. MARSH, .....	83

### SCIENTIFIC INTELLIGENCE.

- Chemistry and Physics.*—Alloys of Gallium with Aluminum, BOISBAUDRAN: Volatility of Platinum in Chlorine, SEELHEIM, 65.—Preparation of the Acetic ethers of Polyatomic Alcohols, FRANCHIMONT: Relation between Molecular Refractive Power and Chemical Constitution, BRÜHL, 66.—New method for preparing Hydrobromic and Hydriodic acids, BRUYLANTS: Thermo-chemistry, THOMSEN, 68.—New Standard of Light, SCHWENDLER, 69.—Electric Light, SCHWENDLER, 70.—Electro-magnetic rotation of the Plane of Polarization in Gases, KUNDT and KÖNTGEN, 71.
- Geology and Natural History.*—Hudson River fossil plant from Maryland, J. P. LESLEY, 71.—Pennsylvania Second Geological Survey, 72.—Geological Survey of San Salvador: A Manual of Palæontology, for the use of Students, H. A. NICHOLSON, 73.—Dana's Manual of Geology: Catalogue of Official Reports upon Geological Surveys, F. PRIME, 74: Classification and Description of the American Species of Characæ, B. D. HALSTED: Untersuchungen über die Zellkerne der Thallophyten, F. SCHMITZ, 75.—Le Charbon de l'Oignon ordinaire, M. CORNU: Entwicklungsgeschichte einiger Rostpilze, T. SCHROETER: Botanical Necrology for the year 1879, 76.
- Miscellaneous Scientific Intelligence.*—Geological Survey of the Public Domain, 78.—A Handbook of Double Stars, 81.—Double Star Observations made in 1877-78 at Chicago. S. W. BURNHAM: Solar Light and Heat, Z. ALLEN, 82.—*Obituary.*—Professor B. F. Mudge: John Johnston, 82.