

NUMBER XCVIII.

	Page.
ART. XVII. A Sketch of the History of Conchology in the United States, - - - - -	161
XVIII. Physics and Hydraulics of the Mississippi River, - -	181
XIX. Contributions to Mineralogy; by F. A. GENTH, - -	190
XX. On some questions concerning the Coal formations of North America. Families, Genera and Species of Coal Plants of the United States; by LEO LESQUEREUX. (Continued from vol. xxxii, p. 205), - - - - -	206
XXI. Abstract of a Meteorological Journal, kept at Marietta Ohio: lat. 39° 25' N., and long. 4° 28' W. from Washington City, for the year 1861; by S. P. HILDRETH, M.D.—[Thirty-fifth annual Report], - - - - -	216
XXII. On the Study of the Electric Spark by the aid of Photography; by Prof. OGDEN N. ROOD, of Troy, N. Y. - -	219
XXIII. On the Production of the Methyl Bases, and on the Preparation of Nitrate of Methyl; by M. CAREY LEA, - -	227
XXIV. Colored Derivatives of Naphthaline; by M. CAREY LEA, - -	229
XXV. Physiographical Sketch of that portion of the Rocky Mountain range, at the head waters of South Clear Creek, and east of Middle Park, 231—with an enumeration (by Dr. GRAY) of the plants collected in this district, in the summer months of 1861; by C. C. PARRY, M.D., - - - - -	237
XXVI. Investigations respecting the Phenomena of Meteoric Rings, as affected by the Earth; by ALEXANDER C. TWINING, - -	244
XXVII. Geographical Notices. No. XVI, - - - - -	259
Africa: Spekes Journey to Lake Nyanza, 259.—Petherick's Expedition to Gondokoro, 260.—Latest Intelligence from Dr. Livingstone, 262.—Lejean's Expedition to Gondokoro: Roscher and von der Decken: The Polar Regions: The Polar Expedition of Dr. Hayes, 263.—Torrell's Polar Expedition: The North Atlantic Telegraph Explorations, 265.—Profiles of the deep seas, (with diagrams), 267.	

SCIENTIFIC INTELLIGENCE.

Physics.—Temperature of the Atlantic Ocean compared with that of the air from Southampton to Havanna, in a letter from M. ANDRÉS POEY, 268.—Dove's Photometer, 269, —On the specific heat of certain elements, REGNAULT, 270.

- Chemistry.**—On the Cyanid of Sulphur, LINNEMANN, 271.—On a combination of hydrogen and iron, WANKLYN and CARIUS, 272.—Lithia in Meteorites, BUNSEN: On the determination of Carbon in Iron, WEYL: On the peroxyds of Potassium and Sodium, HARCOURT, 273.—On the constitution of Croconic and Rhodizonic Acids, WILL: On the presence of Rubidium and Cæsium in Triphyline; by ELI W. BLAKE, Jr., 274.
- Technical Chemistry.**—On a Safety-lamp for laboratory use; by C. M. WARREN, 275.—Description of a new Fusible Alloy; by B. WOOD, M.D., 276.—Preparation of Hydrofluosilicic acid, H. DEVILLE, 277.
- Geology.**—Note on the occurrence of Glauconite in the Lower Silurian Rocks; by T. STERRY HUNT, M.A., F.R.S., 277.—On the Saurian Vertebrae from Nova Scotia, in a letter from Mr. O. C. MARSH: Canadian Pleistocene Fossils and Climate, Prof. DAWSON: The Pre-Carboniferous Flora of New Brunswick, Maine and Eastern Canada; by Prof. J. W. DAWSON, LL.D. &c., 278.—New species of Lower Silurian fossils; by E. BILLINGS, F.R.S.: Fourteenth Annual Report of Regents of the University of New York, etc., 279.—Mr. Marcou on the Taconic and Lower Silurian Rocks of Vermont and Canada, 281.
- Astronomy and Meteorology.**—On the Companion of Sirius; by Prof. G. P. BOND, 286.—On the Discovery of the Asteroid (72); communicated by Prof. G. P. BOND, 287.—The recently discovered Asteroids, 288.—Discovery of a Telescopic Comet, 289: Encke's Comet: Shooting Stars of January 2, 1862, 290.—Large Meteors: Catalogue of Meteorites and Fireballs from A.D. 2 to A.D. 1860; by R. P. GREGG, Esq., F.G.S., 291.—P. A. KESSELMEYER: Ueber den Ursprung der Meteorsteine, 292.—Abstract of Meteorological Observations made during the year 1861, at Sacramento, Cal.; by THOMAS M. LOGAN, M.D., 293.
- Miscellaneous Scientific Intelligence.**—CORRESPONDENCE: Letter from Prof. Aug. De la Rive respecting the paper of Mr. B. V. Marsh, on the Aurora, viewed as an electric discharge, 294.
- Book Notices.**—Report of the Secretary of War, communicating Lieut. Michler's report of his survey for an inter-oceanic ship canal near the Isthmus of Darien: Annual Report of the Board of Regents of the Smithsonian Institution, for the year 1860, 296.—On the Ornithology of Labrador; by ELLIOTT COUES: Post-pliocene fossils of South Carolina; by Prof. FRANCIS S. HOLMES, A.M., 298.—Description of New Cretaceous Fossils from Texas; by B. F. SHUMARD, M.D.: Lectures on the Science of Language; by MAX MÜLLER, M.A., 300.—A Manual of Elementary Geometrical Drawing, involving Three Dimensions; by Prof. S. EDWARD WARREN, C.E., 303.—New Theorems, Tables, and Diagrams, for the Computation of Earth-work; by JOHN WARNER, A.M., 304
Proc. Bost. Soc. Nat. Hist., 304.

NUMBER XCIX.

	Page.
ART. XXVIII. Some remarks in regard to the Period of Elevation of those ranges of the Rocky Mountains, near the sources of the Missouri River and its Tributaries; by Dr. F. V. HAYDEN,	305
XXIX. Contributions from the Sheffield Scientific School of Yale College—II. On the Chemical Constitution of the Wax of the <i>Myrica cerifera</i> ; by GIDEON E. MOORE, B.P.,	313