

- 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 |

| | Page. |
|--|-------|
| XXX. Considerations relating to the Quebec Group, and the Upper Copper-bearing Rocks of Lake Superior; by Sir W. E. LOGAN, F.R.S., etc., - - - - - | 320 |
| XXXI.—On the action of substances of the Sulphur and Phosphorous Groups on solutions of the metals; by THEODORE PARKMAN, - - - - - | 328 |
| XXXII. An Account of two Meteoric Fireballs, observed in the United States, Aug. 2, and Aug. 6, 1860, with computation of their paths; by H. A. NEWTON.—I. Meteor of August 2, 1860, 338; II. Meteor of August 6, 1860, - - - | 344 |
| XXXIII. On Orthite from Swampscot, Mass.; by DAVID M. BALCH, B.S., - - - - - | 348 |
| XXXIV. A new Metal in the Native Platinum of Rogue River, Oregon; by Prof. C. F. CHANDLER, - - - - - | 351 |
| XXXV. Notice of the Rocks lying between the Carboniferous Limestone of the Lower Peninsula of Michigan and the limestones of the Hamilton Group: with descriptions of some Cephalopods supposed to be new to science; by ALEXANDER WINCHELL, - - - - - | 352 |
| XXXVI. On Methylamine; by M. CAREY LEA, - - - - - | 366 |
| XXXVII. On Prof. J. Hall's claim of Priority in the determination of the Age of the Red Sandrock Series of Vermont; by E. BILLINGS, - - - - - | 370 |
| XXXVIII. Influence of Diffraction upon Microscopic Vision; by Dr. M. C. WHITE, - - - - - | 377 |
| XXXIX. Discovery of Microscopic Organisms in the Silicious Nodules of the Paleozoic Rocks of New York, - - - - - | 385 |
| XL. Colorado River of the West, - - - - - | 387 |
| XLI. Enumeration of the Plants of Dr. Parry's Collection in the Rocky Mountains in 1861; by ASA GRAY, - - - - - | 404 |

SCIENTIFIC INTELLIGENCE.

Chemistry.—On the employment of the diffusion of liquids in chemical analysis, GRAHAM, 412.—On the determination of the density of vapors at low temperatures, PLAYFAIR and WANKLYN, 413.—On the analysis of spectra colored by metallic salts, DEBRAY: On the spectra of phosphorus and sulphur, SEGUIN, 414.—On a new method of detecting and preparing the organic alkaloids, ERDMANN and von USLAR: Determination of carbonic acid in organic analysis, MULDER, 415.—On the determination of lithium as phosphate of lithia, FRESSENIUS, 416.

Geology.—Geology of Vermont.—Report on the Geology of Vermont; Descriptive, Theoretical, Economical and Scenographical; by EDWARD HITCHCOCK, LL.D., ALBERT D. HAGER, A.M., EDWARD HITCHCOCK, Jr., M.D., and CHARLES H. HITCHCOCK, A.M., 416.—On the date of the recently published Report of the Superintendent of the Geo-