

NUMBER CXXV.

	Page,
ART. XXI. Results of Magnetical Observations made at Eastport, Maine, between 1860 and 1864, for the United States Coast Survey; communicated by A. D. BACHE,	141
XXII. On the age of the Coal Formation of China; by Dr. J. S. NEWBERRY—addressed to RAPHAEL PUMPELLY, Esq.,	151
XXIII. A Second Method of correcting Monthly Means for the unequal length of the Months; by ERASTUS L. DEFOREST,	154
XXIV. On a New Process of Organic Elementary Analysis for Substances containing Chlorine; by C. M. WARREN,	156
XXV. The Vowel Elements in Speech; by SAMUEL PORTER,	167
XXVI. On Photo-micrography with the highest powers, as practised in the Army Medical Museum; by J. J. WOODWARD, M.D.	189
XXVII. Note on a Regular Dimerous Flower of <i>Cypripedium candidum</i> ; by ASA GRAY,	195
XXVIII. Contributions from the Sheffield Laboratory of Yale College.—XII. Analysis of a Mineral Water; by FREDERICK F. THOMAS,	196
XXIX. On the Nature of the Action of Light upon Iodid of Silver; by M. CARRY LEA,	198
XXX. Observations on the origin of some of the Earth's Features; by JAMES D. DANA,	205
XXXI. Contributions to the Chemistry of the Mineral Springs of Onondaga, New York; by CHARLES A. GOESSMANN,	211
XXXII. A new Meteoric Iron, "the Colorado meteorite," from Russel Gulch, Gilpin Co., Colorado Territory; by Prof. J. LAWRENCE SMITH,	218
XXXIII. On Gay-Lussite from Nevada Territory; by B. SILLIMAN,	220
XXXIV. On crystals of Gay-Lussite from Nevada Territory; by JOHN M. BLAKE,	221
XXXV. On the Structure and Habits of <i>Anthophysa Mülleri Bory</i> , one of the sedentary monadiform Protozoa; by H. JAMES-CLARK,	223
XXXVI. Address of Prof. DeCandolle before the recent Botanical Congress in London,	230
XXXVII. Caricography; by Prof. C. DEWEY,	243
XXXVIII. Mineral Notices; by CHARLES UPHAM SHEPARD,	246

	Page.
XXXIX. Brief Notices of several localities of Meteoric Iron ; by CHARLES UPHAM SHEPARD,	249
XL. Appendix to Article XXX, On the Origin of some of the Earth's Features ; by JAMES D. DANA,	252

S C I E N T I F I C I N T E L L I G E N C E .

- Chemistry and Physics.*—On the chlorids of tungsten, DEBRAY : On the separation of cobalt from nickel, TERREIL, 251.—On a new alcohol in which carbon is partially replaced by silicon, FRIEDEL and CRAFTS, 255.—On a new class of organic radicals containing metals, BERTHELOT, 256.—Isomerism, BERTHELOT, 257.—On a new determination of the velocity of sound in different media, AUGUST KUNDT, 253.—The vapour of water not absorbent of much radiant heat, TYNDALL and FRANKLAND, 259.—Solar spots influenced by solar refraction, 260.
- Mineralogy and Geology.*—Geological explorations in Northern Mexico, by A. RÉMOND, 261.—On Fucoids in the Coal Formation, by LEO LESQUEREUX : On the oldest known British Crab from the Forest Marble of Malmesbury, Wilts, by HENRY WOODWARD, 264.—Memoirs of the Geological Survey of Great Britain and of the Museum of Practical Geology—The Geology of North Wales, by A. C. RAMSAY, F.R.S., 265.—Notes on the formation of the Dead Sea, by L. LARTET, 266.—On the occurrence and geological position of Oil bearing deposits in New South Wales, by Rev. W. B. CLARKE, 267.—Report on Geological and Industrial Resources of the Grand Traverse region in the Lower Peninsula of Michigan, by ALEXANDER WINCHELL, A.M. : New mineral localities, by GEO. J. BRUSH : On crystallized Cryolite, by G. HAGEMANN, 263.—Paracolumbite and Curundophilite of C. U. SHEPARD, 269.—Color of a diamond changed by heat : Giesckeite a result of the alteration of Elmolite : Apophyllite made by artificial means, BECQUEREL, 270.—On a new variety of Spinel, by H. ST. CLAIR DEVILLE : Origin of the Diamond, E. B. DE CHANCOURTOIS : Paragenesis of Minerals, REUSS : Cassiterite : Analysis of Minerals, by S. B. SPARKLER, 271.—On Anatase at Smithfield, R. I., by Rev. E. B. EDDY : Petroleum in Russia : On the Composition of the Stone implements found in Celtic monuments, DAMOUR : Geological Survey of Iowa : New Paleozoic Crustacea and Cirriped, 272.—The Geological Magazine, or Monthly Journal of Geology, 273.
- Botany and Zoology.*—William Henry Harvey, 273.—Dr. Robert Kaye Greville : Dr C. Fournier on Cruciferae, and Sisymbrium in particular, 277.—The Genera of Plants, by RICHARD ANTHONY SALISBURY F.R.S., 280.—Handbook of British Water-weeds or Algae, by Dr. JOHN EDWARD GRAY, F.R.S. : Scolopendrium officinarum in Western New York—probable determination of the original locality of Pursh, by J. A. PAINE, JR., 281.—Icones Histiologicae, oder Atlas der vergleichenden Gewebelehre ; zweite Abtheilung, by A. KÜLLIKER, 283.—The Anatomy and Physiology of the Vorticellid Parasite of Hydra, by H. James-Clark : The Arctic Annelids, by A. J. Malmgren, 281.—On collections of bones of recent Rattlesnakes, by WM. A. ANTHONY : Mémoires pour servir à l'Histoire Naturelle du Mexico, des Antilles et des Etats-Unis, par HENRI DE SAUSSURE, 285.
- Astronomy and Meteorology.*—Observations on the Meteors of August last, by DAVID THORNTON : Observatory of Russia : Mass of Meteoric Iron in Colorado Territory, 286.—Reduction of the Observations of Fixed Stars, made by Joseph le Faute d'Agelet, in 1783-1785, with a Catalogue, &c., by BENJAMIN ARTHUR GOULD, 286.