CONTENTS.

Miscellaneous Scientific Intelligence.—Earthquake in Kansas; notices by Wm. H. R. Lynes and Prof. Wm. G. Williams, 132.—On former changes in the Aral Sea, by H. C. Rawlinson, 133.—Professor Kekulé: American Association for the Advancement of Science, 137.

Obituary.—Theophile Jules Pelouze, 137.—Ezekiel Hayes, 139.


NUMBER XXXI.

Page.

ART. XIV.—On Mineralogical Nomenclature; by James D. Dana.
No. I. On System in Mineralogical Nomenclature, - - 145

XV.—Observations and Experiments on living Organisms in heated water; by Jeffries Wyman, - - 152

XVI.—Remarks on Prof. Geinitz’s views respecting the Upper Palæozoic rocks and fossils of Southeastern Nebraska; by F. B. Meek, - - - - - - - - 170

XVII.—Description of an apparatus for collecting and washing precipitates in test tubes; by M. McDonald, - - - 188

XVIII.—On certain Lecture Experiments, and on a new form of Eudiometer; by Josiah P. Cooke, Jr., - - - - - - 189

XIX.—Crystallographic Examination of some American Chlorites; by Josiah P. Cooke, Jr., - - - - - - - - - 201

XX.—Contributions to Chemistry from the Laboratory of the Lawrence Scientific School—No. 3; by Wolcott Gibbs, - 207

XXI.—Note on the action of peroxyd of manganese upon uric acid; by C. Gilbert Wheeler, - - - - - - - - - 218
XXII.—Contributions from the Sheffield Laboratory of Yale College. No. XV. Observations on the native hydrates of Iron; by GEORGE J. Brush, with analyses of Turgite by CHARLES S. Rodman, - - - - - - - 219.

XXIII.—On a new Test for Hyposulphites; by M. CAREY LEA, - 222

XXIV.—Contributions to Chemistry from the Laboratory of the Lawrence Scientific School. No. 4.—On a new mineral from Rockport, Mass.; by W. J. KNOWLTON, - - - - 224

XXV.—On the Subdivisions of the Cretaceous rocks of California; by WM. M. GABB, - - - - - - - 226

XXVI.—On a new apparatus for technical analysis of Petroleum and kindred substances; by S. F. PECKHAM, - - - 230

XXVII.—Notes on the Grass Valley Gold-mining District; by Prof. B. SILLIMAN, - - - - - - - 236

XXVIII.—The Action of Sunlight on Glass; by THOMAS GAFFIELD, 244

XXIX.—Crystallogenic and Crystallographic Contributions; by JAMES D. DANA.—IV. On a connection between Crystalline form and Chemical constitution, with some inferences therefrom.—Supplement, - - - - - - - 252

XXX.—Formic versus Carbonous acid; by GEORGE F. BARKER, - 263

XXXI.—Observations on Skylight Polarization in Nebraska during the month of July, 1867; by EDWARD O. CHASE, - - 265

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics.—On the synthesis of organic acids, CARUS, 265.—On the action of heat upon benzoil and analogous hydrocarbons, BEETHLOUT, 266.—On the acids of the lactic series, FRANKLAND and DUPPA, 268.—Thallic acid, E. CARSTENSEN, 269.—The new Chemical Calculus of Sir BENJAMIN BODDE, 270.

Mineralogy and Geology.—Notice of volume IV of the Paleontology of New York, 273.—On the Paleontology of Victoria, South Australia, by FREDERICK McCoy, 279.—Note by F. B. Meek to his Review of Prof. Geinitz in regard to Nebraska fossils, 282.—Note on the Corundophilite of Chester, Mass.: Note on the optical characters of different micaceous minerals called Margarite, by Mr. DESCLOZEAUX, 283.—Eozoon Canadense in Finland: Geological observations in Colorado: Geological Survey of Nebraska, 284.

Botany.—Manual of the Botany of the Northern United States, including the district East of the Mississippi and North Carolina and Tennessee, arranged according to the natural system, by ASA GRAY, 284.

Astronomy.—Recent Observations and Remarks of Hofrath Schwabe regarding Sun-spots and other Solar Phenomena, 287.—On a Meteor of July 18th, 1867, by DANIEL KIRKWOOD, 288.
CONTENTS.


Proceedings of Societies, 296.

NUMBER XXXII.

Art. XXXII. Address of George Bentham, President, read at the Anniversary meeting of the Linnean Society on Friday, May 24, 1861, 297

XXXIII. The Action of Sunlight on Glass; by Thomas Gaffield, 316

XXXIV. Remarks on Prof. Geinitz’s views respecting the Upper Paleozoic rocks and fossils of Southeastern Nebraska; by F. B. Meek, 327

XXXV. Indian Summer; by Joseph E. Willey, 340

XXXVI. A method of determining the amount of Proteoid of Iron in Silicates not soluble in the ordinary mineral acids; by Josiah P. Cooke, Jr., 347

XXXVII. The Parks of Colorado, 351

XXXVIII. Contributions to the Mineralogy of Nova Scotia; by O. C. Marsh.—No. 1. Ledererite identical with Gmelinite, 362

XXXIX. Notes on Fossils recently obtained from the Laurentian Rocks of Canada, and on objections to the organic nature of Eozoon; by J. W. Dawson and W. B. Carpenter, 367

XL. Reply to Mr. Gabb on the Cretaceous rocks of California; by T. A. Conrad, 376

XLI. Geographical Notices, 377

XLII. On normal and derived acids; by George F. Barker, 384

XLIII. Crystallogenic and Crystallographic Contributions; by James D. Dana. On the Feldspar group of Minerals: supplementary to Art. XXIX: On the Chemical Formulae of the Silicates, 398

XLIV. On certain points in the theory of Atomicities; by Wolcott Gibbs, 409