

Number 222.

	Page.
ART. XLIII.—Topographic Development of the Triassic Formation of the Connecticut Valley; by W. M. DAVIS	423
XLIV.—Analyses of three Descloizites from new Localities; by W. F. HILLEBRAND	434
XLV.—New Meteorite from Mexico; by J. E. WHITFIELD	439
XLVI.—Contributions to the Petrography of the Sandwich Islands; by E. S. DANA. With Plate XIV	441
XLVII.—Determination of Water and Carbonic Acid in Natural and Artificial Salts; by T. M. CHATARD	468
XLVIII.—Preliminary Note on the Absorption Spectra of Mixed Liquids; by A. E. BOSTWICK	471
XLIX.—Notes on Metallic Spectra; by C. C. HUTCHINS	474
L.—Allotropic Forms of Silver; by M. CAREY LEA	476

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics.—Composition of Water, RAYLEIGH, 492.—Diamide hydrate and other salts, CURTIUS and JAY: Synthesis of the Glucoses and of Mannite, F. FISCHER and TAFEL, 493.—Geometrical Isomerism, WISLIGENUS and HOLZ, 494.—Aluminum acetyl-acetonate, COMBES: Correction of Regnault's results upon the weight of gases, J. M. CRAFTS: Iron spectrum, H. KAYSER and C. RUNGE: Electrical currents arising from deformation, F. BRAUN: Electrical dilatation of quartz, J. and P. CURIE, 495.

Geology and Natural History.—Triassic Plants of Eastern North America, 496.—Geological and Natural History Survey of Minnesota for the year 1887, 497.—Bömmelöen og Karmöen med omgivelser geologisk beskrevet, H. REUSCH, 498.—Composition of a brick from the brick-yard of S. P. Crafts, at Quinnipiac, three miles north of New Haven, Ct., O. H. DRAKE: International Congress of Geologists: Brief notices of some recently described minerals, 499.—Mazapillite, KOENIG: Gahnite, Columbite, GENTH: Stibnite from Canada, G. C. HOFFMANN: Mineralogy of Pennsylvania, J. EYERMAN: Sinter-forming Algæ: Results obtained by etching a sphere of quartz and crystals of quartz with hydrofluoric acid, O. MEYER and S. L. PENFIELD, 501.—Seventh Annual Report of the Directors of the United States Geological Survey, J. W. POWELL: Journal of Morphology: Development of Manicina areolata, H. V. WILSON, 502.—Anatomy of Astrangia Danaë, 503.

Miscellaneous Scientific Intelligence.—International Congress of Electricians: Geological Society of France: Botanical Society of France: American Geological Society, 503.—J. A. Berly's Universal Electrical Directory and Advertiser: Stellar Evolution and its relations to Geologic Time, J. CROLL: Graphics, or the art of Calculation by drawing lines, applied especially to Mechanical Engineering, with Atlas of Diagrams, R. H. SMITH, 504.

Obituary.—FREDERICK A. P. BARNARD.

INDEX TO VOLUME XXXVII, 505.