

Number 244.

	Page
ART. XXVIII.—Allotropic Silver; by M. CAREY LEA	259
XXIX.—Phenomenon of Rifting in Granite; by R. S. TARR	267
XXX.—Redrock Sandstone of Marion County, Iowa; by C. R. KEYES	273
XXXI.—Volumetric Composition of Water; by E. W. MORLEY	276
XXXII.—Certain points in the Estimation of Barium as the Sulphate; by F. W. MAR	288
XXXIII.—Halotrichite or Feather Alum, from Pitkin Co., Colorado; by E. H. S. BAILEY	296
XXXIV.—New Serpent from Iowa; by R. E. CALL	297
XXXV.—Crystallized Azurite from Arizona; by O. C. FARRINGTON	300
XXXVI.—Occurrence of Xenotime as an accessory Element in Rocks; by O. A. DERBY	308
XXXVII.—Magnetite Ore Districts of Jacupiranga and Ipanema, São Paulo, Brazil; by O. A. DERBY	311
XXXVIII.—Pink Grossularite from Mexico; by C. F. DE LANDERO	321
XXXIX.—APPENDIX—Restoration of Triceratops; by O. C. MARSH. (With Plates XV and XVI)	339
XL.—Development of the Brachiopoda; by C. E. BEECHER. (With Plate XVII)	343

SCIENTIFIC INTELLIGENCE.

- Chemistry and Physics.*—Determination of Vapor-Pressures, CHARPY: Vapor-densities at low Temperatures, KRAUSE and MEYER, 323.—Dispersion of Carbon Compounds, BARBIER and ROUX: Electrical Properties of Semi-permeable Walls, OSTWALD, 324.—Allotropic Silver, PRANGE: Continuity of Solid and Liquid, CARL BARUS, 325.—Photoelectricity, G. M. MINCHIN: Photography of Colors, M. G. LIPPMANN, 326.—Pin-hole Photography, RAYLEIGH: Lectures on the Electromagnet, S. P. THOMPSON, 327.
- Geology and Mineralogy.*—Lake Bonneville, G. K. GILBERT, 327.—First Annual Report of the Geological Survey of Texas, 1889, E. T. DUMBLE: Geological Survey of Missouri, A. WINSLOW, 329.—Geological Survey of Alabama: Catalogues of the British Museum, R. LYDEKKER: Fossil Insects of North America, S. H. SCUDDER: Zittel's Handbuch der Paläontologie, SCHIMPER and SCHENK: Monographie der baltischen Bernsteinbäume, H. CONWENTZ, 330.—Ueber die Fructification von Benettites Gibsonianus, H. GRAFEN ZU SOLMS-LAUBACH: Die fossile Flora von Schöneegg bei Wies in Steiermark, ETTINGSHAUSEN, 331.—Das australische Florenelement in Europa, ETTINGSHAUSEN: Untersuchungen über Ontogenie und Phylogenie der Pflanzen auf paläontologische Grundlage, ETTINGSHAUSEN and KRAŠAN: Analysis of Alaska Garnet, A. F. KOUNTZE, 332.
- Botany.*—West American Oaks, GREENE and HANSEN, 333.—On Isoetes lacustris, J. B. FARMER: Studien über die Tribus der Gaertnereen, H. SOLEBEDER, 334.—Ueber die Verbreitung der karpotropischen Nutations-krümmungen der Kelch-, Hull-, und ähnlicher Blätter und der Blütenstiele, A. HANSGIRG, 335.—Missouri Botanical Garden, 336.
- Miscellaneous Scientific Intelligence.*—Volcano of Kilauea, Hawaii, 336.—American Association of Chemists: Audubon Monument, 337.
- Obituary.*—ALEXANDER WINCHELL, 337.—HENRY BOWMAN BRADY, 338.