

Number 246.

	Page
ART. LIII.—The Study of the Earth's Figure by means of the Pendulum; by E. D. PRESTON.....	445
LIV.—Post-Glacial History of the Hudson River Valley; by F. J. H. MERRILL.....	460
LV.—Alunite and Diaspore from the Rosita Hills, Colorado; by WHITMAN CROSS.....	466
LVI.—Diaspore Crystals; by W. H. MELVILLE.....	475
LVII.—Combustion of Gas Jets under Pressure; by R. W. WOOD, JR.....	477
LVIII.—Allotropic Silver; by M. CAREY LEA.....	482
LIX.—Notes on the sub-marine channel of the Hudson River and other evidences of Post-glacial Subsidence of the Middle Atlantic Coast Region; by A. LINDENKOHL. (With Plate XVIII).....	489
LX.—Are there Glacial Records in the Newark System? by I. C. RUSSELL.....	499
LXI.—A reply to Professor Nipher on "The Theory of the Solar Corona"; by F. H. BIGELOW.....	505
LXII.—Recent Eruption of Kilauea; by W. T. BRIGHAM ..	507
LXIII.—Turquoise in Southwestern New Mexico; by C. H. SNOW.....	511

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics—Compressibility of Hydrogen, Oxygen and Nitrogen, AMAGAT: Osmotic Pressure, BOLZMANN, 512.—Production of Electrification in the Preparation of solid Carbon dioxide, HAUSSKNECHT, 513.—Molecular Formula of Hydrogen Fluoride, PATERNO and PERATONER: Extraction of Oxygen from the Air, KASSNER, 514.—Sodium-amine and Di-sod-ammonium chloride, JOANNIS: Velocity of electrical waves in insulating fluids, ARONS and REUBENS: The telephone in an optical apparatus for measurement of electrical currents, MAX WEIN: Photography of the ultra red rays, G. HIGGS, 515.—Lecture experiment on magnetic screening of conducting media, J. J. BORGMAN, 516.

Geology and Natural History—Eruption of Kilauea: Geological Survey of Ohio: Iron Ores of Minnesota, N. H. WINCHELL and H. V. WINCHELL, 516.—Tertiary Insects of North America, S. H. SCUDDER: Trilobites of the Upper Carboniferous of Kansas: An Introduction to the study of Petrology, F. H. HATCH, 517.—Sinopsis Mineralogica ó Catálogo descriptivo de los Minerales por C. F. DE LANDERO: New Meteorites: Die Protoplasmaverbindungen zwischen benachbarten Gewebeselementen in der Pflanze, by F. KIENITZ-GERLOFF, 518.—Protoplasmaverbindungen bei Algen, F. G. KOHL, 520.

Miscellaneous Scientific Intelligence—The Journal of Comparative Neurology, 520.—A Journal of American Ethnology and Archæology, Editor, J. W. FEWKES: Helmholtz Celebration and Medal: National Academy of Sciences, 521.—Magnetite Ore Districts of Brazil, 522.

Obituary—JOSEPH LEIDY, 523; JOHN LeCONTE, 525; JULIUS ERASMUS HILGARD, 526.

INDEX TO VOLUME XLI, 527.