Number 41.

ART. XXXIV.—Some Experiments with Endothermic Gases; by W. G. Mixter. 323

XXXV.—Hypothesis to explain the partial non-explosive Combination of Explosive Gases and Gaseous Mixtures; by W. G. Mixter. 327

XXXVI.—Occurrence of Paleotrochis in Volcanic Rocks in Mexico; by H. S. Williams. 335

XXXVII.—Origin of Paleotrochis; by J. S. Diller. 337

XXXVIII.—Association of Argillaceous Rocks with Quartz Veins in the Region of Diamantina, Brazil; by O. A. Deery. 343

XXXIX.—Goldschmidtite, a New Mineral; by W. H. Hobbs. 357

XL.—Hydromica from New Jersey; by F. W. Clarke and N. H. Darton. 365

XLI.—Powellite Crystals from Michigan; by C. Palache. 367


XLIII.—Descriptions of imperfectly known and new Actinids, with critical notes on other species, V; by A. E. Verhall. 375

XLIV.—Preliminary Note as to the Cause of Root-Pressure; by G. R. Leavitt. 381

XLV.—Study of Some American Fossil Cycads. Part III; by G. R. Wieland. (With Plates VIII—X.) 383

SCIENTIFIC INTELLIGENCE.


Obituary.—Dr. Gustav Wiedemann, 402.