

NUMBER CXCI.

| | Page. |
|--|-------|
| ART. XXXVIII.—The higher Oxides of Copper; by THOMAS B. OSBORNE | 333 |
| XXXIX.—The structure of the Triassic formation of the Connecticut Valley; by WILLIAM M. DAVIS | 342 |
| XL.—Researches on the Lithia Micas; by F. W. CLARKE.. | 353 |
| XLI.—Thickness of the Ice in Northeastern Pennsylvania during the Glacial Epoch; by JOHN C. BRANNER | 362 |
| XLII.—Time of contact between the Hammer and String in a Piano; by CHARLES K. WEAD | 366 |
| XLIII.—Photographic Determinations of Stellar Positions; by B. A. GOULD | 369 |
| XLIV.—Lucasite, a new variety of Vermiculite; by THOMAS M. CHATARD | 375 |
| XLV.—Crystallographic Notes; by W. G. BROWN | 377 |
| XLVI.—Chemical composition of Ralstonite; by S. L. PEN- FIELD and D. N. HARPER | 380 |
| XLVII.—Mineralogical Notes; by EDWARD S. DANA | 386 |

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics.—Geological Time: Address of Professor G. H. DARWIN, 390.—On the Genesis of the Elements, 400.—On Austrium, a new metallic element, LINNEMAN, 405.—On Holmium. Dysprosium and Gadolinium. LECOQ DE BOISBAUDRAN, 406.

Geology and Natural History.—Geological Nomenclature: Meeting of the International Committee at Geneva, 406.—Geological Age of the North Atlantic Oceanic basin and Origin of Eastern American sediments, 407.—Annual Report of the Geological Survey of Pennsylvania for 1885, 408.—Catalogue of the Blastozoa in the Geological Department of the British Museum, R. ETHERIDGE, Jr., and H. CARPENTER, 409.—Revision of the Palæocrinoidea, C. WACHSMUTH and F. SPRINGER: A Natural System of Mineralogy with a Classification of native Silicates, T. STERRY HUNT, 410.—Flowers, Fruits and Leaves. Sir JOHN LUBBOCK: Lectures on the Physiology of Plants. SIDNEY H. VINES, 411.—A Preliminary Synopsis of North American Carices, including those of Mexico, Central America, etc., 412.

Miscellaneous Scientific Intelligence.—British Association in Birmingham, 412.—*Obituary.*—Colonel CHARLES WHITTLESEY, 412.