

CONTENTS TO VOLUME XV.

Number 85.

	Page
ART. I.—Morphogenesis of Platystrophia. A Study of the Evolution of a Paleozoic Brachiopod ; by E. R. CUMINGS	1
II.—Ruling Concave Gratings ; by W. ROLLINS	49
III.—Variation of Potential along a Wire Transmitting Electric Waves ; by C. A. CHANT	54
IV.—Rickardite, a New Mineral ; by W. E. FORD	69
V.—Occurrence of Free Phosphorus in the Saline Township Meteorite ; by O. C. FARRINGTON	71
—————	
OGDEN NICHOLAS ROOD	73

SCIENTIFIC INTELLIGENCE.

Chemistry and Physics—Properties of Radium, GIESEL: Radio-activity of Uranium, F. SODDY, 78.—Radio-activity of Thorium, RUTHERFORD and SODDY: Metallurgical Laboratory Notes, H. M. HOWE: Analysis of Steel-works Materials, BREARLEY and IBBOTSON, 79.—Electro-chemical Analysis, E. F. SMITH: Potash Salts, L. A. GROTH: Elektro-Metallurgie, W. BROCHERS: Physikalische Chemie der Zelle und der Gewebe, R. HÖBER: Electrical Properties of Thin Metal Films, J. PATTERSON, 80.—Formation of Ozone by Electrical Discharges in Oxygen, E. WARBURY: Examination of Spectroscopic Methods, H. KONEN: Does Motion through the Ether cause Double Refraction? RAYLEIGH: Scientia, Série Physico-Mathématique; No. 19, L'Électricité déduite de l'Expérience, E. CARVALLO, No. 20, Sur les principes fondamentaux de la Théorie des Nombres et de la Géométrie, H. LAURENT, 81.—Lehrbuch der Physik, O. D. CHWOLSON, 82.

Geology and Natural History—New Mineral Names, 82.—New Forms on Sperrylite, GOLDSMITH and NICOL: Recherches géologique et pétrographique sur l'Oural du Nord dans la Rastesskaya et Kizelowskaya-Datcha (Perm, Russie), L. DUPARC et F. PEARCE, 83.—Mineralogy, H. A. MIERS, 84.—Zur Fossilen Flora der Polarländer, A. G. NATHORST: Beiträge zur Kenntniss einiger Mesozoischen Cycadophyten, A. G. NATHORST, 85.—Flora of the South Fork of Kings River, A. EASTWOOD, 86.—Botanical Survey of San Jacinto Mountain, H. M. HALL, 87.

Miscellaneous Scientific Intelligence—Development and Evolution, including Psychophysical Evolution, Evolution by Orthoplasia, and the theory of Genetic Modes, J. M. BALDWIN, 88.