

## Number 251.

	Page
ART. XXXVIII.—The Ancestry of Insects with particular references to Chilopods and Trilobites; by J. D. TOTHILL .....	373
XXXIX.—Some Characters of the Apical End of Pseudorhoceras knoxense McChesney; by G. H. GIRTY (With Plate I) .....	387
XL.—On the Electrolysis and Purification of Gallium; by H. S. UHLER and PHILIP E. BROWNING .....	389
XLI.—A Pleistocene Locality on Mt. Desert Island, Maine; by D. BLANEY and F. B. LOOMIS .....	399
XLII.—Methods in Reversed and Non-reversed Spectrum Interferometry; by C. BARUS .....	402
XLIII.—A Study of the Separation of Hydrofluoric Acid and Fluosilicic Acid; by J. G. DINWIDDIE .....	421

## SCIENTIFIC INTELLIGENCE.

*Chemistry and Physics*—Occurrence of Germanium in Zinc Materials, G. H. BUCHANAN, 430.—New Volumetric Method for Cobalt, W. D. ENGLE and R. G. GUSTAVSON, 431.—Determination of Aluminium as Oxide, W. BLUM: Ozone, its Manufacture, Properties, and Uses, A. VOSMAER, 432.—A Theory of Color Vision, R. A. HOUSTOUN, 433.—On the Auditory Sense, M. MARAGE, 435.—Concise Technical Physics, J. L. ARNOLD, 436.—A Text-Book of Physics, Fourth Edition, A. W. DUFF, 437.

*Geology*—Expedition to the Baltic provinces of Russia and Scandinavia, 1914, P. E. RAYMOND and W. H. TWENHOFEL, 437.—Upper Ordovician formations in Ontario and Quebec, A. F. FOERSTE: Lower Eocene floras of Southeastern North America, E. W. BERRY, 438.—Some Permian Brachiopoda of Armenia, A. STOWANOW: Cambrian Geology and Paleontology, iii, No. 5, Cambrian Trilobites, C. D. WALCOTT: Checklist of the Recent Bivalve Mollusks (Pelecypoda) of the Northwest Coast of America, W. H. DALL: Interrelations of the Fossil Fuels, J. J. STEVENSON, 439.—The Echinoidea of the Buda limestones, F. L. WHITNEY: Publications of the United States Geological Survey, G. O. SMITH, 440.

*Miscellaneous Scientific Intelligence*—Diseases of Occupation and Vocational Hygiene, G. M. KOBER and W. C. HANSON: Problems of Physiological and Pathological Chemistry of Metabolism (von Fürth), A. J. SMITH, 442.