Number 8.

THE SEDIMENTS OF GRASSY LAKE, VILAS COUNTY, A LARGE BOG LAKE OF NORTHERN WISCONSIN
W. H. Twenhofel, S. L. Carter and V. E. McKelvey 529

ANALYSIS OF MERYCOIDODON SKULLS
Fred B. Phleger Jr., and W. S. Putnam 547

NEW MID-CAMBRIAN PTYCHOPARID. . . . . *Robert R. Wheeler* 567

DETERMINATION OF EXTINCTION ANGLES IN MONOCLINIC PYROXENES AND AMPHIBOLES . . . . . *Francis J. Turner* 571

CORRELATIONS BETWEEN ATMOSPHERIC POTENTIAL GRADIENT ANOMALIES AND SOLAR ERUPTIONS . . . . *Frank L. Cooper* 584

SCIENTIFIC INTELLIGENCE

PHYSICS AND CHEMISTRY

The Particles of Modern Physics; by J. D. STRANATHAN . . *Henry Margenau* 594

Qualitative Chemical Analysis of Inorganic Substances; by A. A. NOYES; . . 594

Brief College Chemistry; by L. B. RICHARDSON and A. J. SCARLETT; . . 595

Polarography; by I. M. KOLTHOFF and J. J. LINGANE; 595

pH and Electro Titrations; by I. M. KOLTHOFF and H. A. LAITINEN *John E. Vance* 596

Thermochemical Calculations; by R. R. WENNER . . . . . *Scott E. Wood* 596

PALEONTOLOGY

Proboscidea, Volume II, *Stegodontoidea, Elephantoidea*; by H. F. OSBORN *G. Edward Lewis* 597

MISCELLANEOUS SCIENTIFIC INTELLIGENCE

Scientists Face the World of 1942; by K. T. COMPTON, R. W. TRULLINGER and V. BUSH . . . . . *De Witt T. Keach* 598

Report of the Secretary of the Smithsonian Institution . . . . . *R. S. Lull* 598

Essentials of Astronomy; by J. C. DUNCAN . . . . . *Victor Goedicke* 599

PUBLICATIONS RECENTLY RECEIVED 600