

Number 8.

GEOSYNCLINES: A FUNDAMENTAL CONCEPT IN GEOLOGY, PART I	<i>M. F. Glaessner and C. Teichert</i>	465
THE DUNITE—MYLONITES OF ST. PAUL'S ROCKS (ATLANTIC)	<i>C. E. Tilley</i>	483
VARIATION IN THE MOLARS OF THE LIVING ELEPHANT AND A CRITICAL REVISION OF THE FOSSIL PROBISCIDAE OF SOUTHERN AFRICA, PART II	<i>H. B. S. Cooke</i>	492
A MODEL TO AID IN THE EXPLANATION OF INTERFERENCE FIGURES	<i>Max E. Willard</i>	518

DISCUSSION

NOTE ON THE MEASUREMENT OF VARIABILITY AND ON RELATIVE VARIABILITY OF TEETH OF FOSSIL MAMMALS	<i>George Gaylord Simpson</i>	522
---	-------------------------------	-----

SCIENTIFIC INTELLIGENCE

CHEMISTRY AND GEOLOGY

Calculations of Analytical Chemistry; by L. F. HAMILTON and S. G. SIMPSON	<i>Edward J. King</i>	526
Geology of the Mackinac Straits Region and Subsurface Geology of northern Southern Peninsula; by K. K. LANDES, G. M. EHLERS and G. M. STANLEY	<i>Carl O. Dunbar</i>	526
First Generalized Geologic Map of South America; by V. OPPENHEIM	<i>Chester R. Longwell</i>	528