

Virginia, was accepted to hold the eighth annual meeting largely in Virginia. The Field Conference Committee consists of Dr. Arthur B. Cleaves, *chairman*, Professor Frank M. Swartz and Professor R. E. Sherrill.

ARTHUR B. CLEAVES,
Secretary-Treasurer

GRANTS OF THE GEOLOGICAL SOCIETY OF AMERICA

THE following twenty-seven grants in support of special research projects were authorized by the council of the Geological Society of America at a meeting held on April 24.

Maurice Ewing, Bethlehem. Grant of \$4,700 covering construction of apparatus suitable for use in work on the deep-sea floor and provision for necessary auxiliary apparatus, and measurement of the thickness of sedimentary deposits beyond the edge of the continental shelf by means of this apparatus.

Alfred S. Romer, Cambridge. Grant of \$3,500 covering assistance and incidental expenses involved in compilation of a bibliography of fossil vertebrates.

Edward B. Mathews, Baltimore. Grant of \$700 covering assistance and expenses in compiling published chemical analyses of rocks.

Nelson H. Darton, Washington, D. C. Grant of \$700 covering field and office expenses in completion of investigation of the overlap relations of Tertiary and Cretaceous formations in eastern Maryland and Virginia.

Bruce L. Clark, Berkeley. Grant of \$500 for assistance in completing monograph on radiolarians from the Cretaceous and Eocene of Middle California.

J. T. Rouse, Columbus. Grant of \$450 for field and other expenses connected with study of the volcanic rocks and related problems in the Shoshone Mountains, Wyoming.

David M. Delo, Appleton. Grant of \$35 for completion of illustrations for a monograph on the North American phacopid trilobites.

Mrs. Helen Tucker Rowland, Ithaca. Grant of \$300 covering traveling and office expenses connected with completion of monograph on the Caloosahatchie fauna of Florida.

A. C. Veatch, New York. Grant of \$3,000 covering preparation and printing of charts in study of submarine valleys off the Atlantic Coast, beyond the 1,000-fathom line.

Marcellus H. Stow, Lexington, Va. Grant of \$665 covering field and office expenses of study of sedimentation and stratigraphy of the northwestern part of the Big Horn Basin and the southern part of the Crazy Mountain syncline, Montana.

Mrs. Margaret F. Boos, Denver. Grant of \$350 for field and office expenses of detailed study of granite plutons of the Indian Creek area, Denver Mountain Park.

David T. Griggs, Cambridge. Grant of \$900 covering cost of building and installing a hydraulic press needed

in further studies of the mechanics of rock deformation under conditions of high pressure and high temperature.

Howard A. Coombs, Seattle. Grant of \$400 for field and office expenses of a comparative study of Mts. Rainier and Baker.

Vincent P. Gianella, Reno. Grant of \$200 for field and office expenses of investigation of piedmontite mineralization in metamorphosed volcanic rocks near Reno, Nevada.

Ralph W. Imlay, Ann Arbor. Grant of \$1,125 covering field and museum study and preparation of manuscript on Upper Jurassic marine faunas of northern Mexico and of certain critical areas for correlation of Jurassic and Lower Cretaceous stratigraphic sections.

Harry N. Eaton, Syracuse. Grant of \$100 covering field expenses of study of glacial advances in Allegheny County, New York.

J. Harlan Johnson, Golden, Colo. Grant of \$200 for laboratory and office expenses of study of algal limestones of the Upper Paleozoic section in the Rocky Mountain region.

Stuart A. Northrop, Albuquerque, N. Mex. Grant of \$300 for traveling, living and office expenses of study of the paleontology and stratigraphy of the Silurian Chaleur series of the Port Daniel-Black Cape region, Gaspé.

George M. Stanley, Ann Arbor. Grant of \$315 covering field and office expenses of study of lower Algonquin beaches in the Upper Great Lakes.

Perry Byerly, Berkeley. Grant of \$900 for assistance in study of northern California earthquakes, as recorded at the group of stations of the University of California.

Paul D. Krynine, New Haven. Grant of \$240 for traveling, field and laboratory expenses of sedimentary study of the Pleistocene deposits of the Bristol Gorge, Connecticut.

A. K. Miller and W. M. Furnish, Iowa City. Grant of \$500 covering assistance and office expenses of detailed study of Permian ammonoids of the Guadalupe Mountains and adjacent areas.

Everett C. Olson, Chicago. Grant of \$750 covering one half of the traveling and field expenses of an expedition to the Tambla locality, Province of Gracias, Honduras, to collect vertebrate fossils.

Arthur Keith, Washington, D. C. Grant of \$500 for field expenses connected with studies of the Appalachian folded belt in the Province of Quebec.

Biological Abstracts, Philadelphia. Grant of \$1,500 covering assistance in paleontological service.

T. T. Quirke, Urbana. Grant of \$983.50 covering assistance and laboratory expenses of studies directed to the measurement of the index of refraction of opaque or nearly opaque substances by reflection.

W. F. Prouty, Chapel Hill. Grant of \$1,000 covering field and other expenses connected with study of the origin of the bays in the Atlantic Coastal Plain area.

RECENT DEATHS AND MEMORIALS

DR. PHILIP B. WOODWORTH, consulting engineer, formerly dean of the School of Engineering of Lewis Institute, Chicago, and president of the Rose Poly-