

24. W. T. BORN, president, S. E. G., Geophysical Research Corporation, Tulsa, Oklahoma
Presidential address: *The Future of Geophysics*
25. CAREY CRONEIS, president, S. E. P. M., Walker Museum of Paleontology, University of Chicago
Presidential address: *Micropaleontology, Past and Future*

This paper traces the rise of interest in microscopic fossils from the sixteen sixties when Leeuwenhoek's development of the forerunner of the microscope made their study possible, through the several centuries of their sporadic investigation in the interests of pure research by small groups of scientists, to the birth of the utilitarian science of micropaleontology a quarter century ago. The developmental phases of the science are then outlined, and the progressive multiplication of the micropaleontologic groups studied is considered.

The origin and growth of micropaleontology as a subject in university curricula is reviewed, and suggestions are made for the future expansion and improvement of training in this special field. In addition, consideration is given to the general academic background the prospective paleontologist should acquire in order best to serve his science as well as prove most valuable to the organization which purchases his services.

Finally the future of the science of micropaleontology is analyzed, and suggestions are made for the direction of efforts into new lines of investigation which may prove profitable in enlarging the scientific scope of the field and thus in enhancing its commercial significance.

SPECIAL ADDRESSES

26. ROBERT E. WILSON, president, Pan-American Petroleum and Transport Company, and in charge of Petroleum Section, Raw Materials Division, Advisory Commission to the Council of National Defense
Petroleum and the War
27. J. EDGAR PEW, vice-president, Sun Oil Company, Philadelphia, Pennsylvania
The Fifth Dimension in the Oil Industry
28. N. C. MCGOWEN, president, United Gas Pipe Line Company and Union Producing Company, Shreveport, Louisiana
Natural Gas with Regard to Its Place in National Defense
29. SUMNER T. PIKE, commissioner, Securities and Exchange Commission, Washington, D. C.
The Petroleum Geologists and the S.E.C.

PAPERS OF GENERAL INTEREST

30. EDGAR W. OWEN, secretary-treasurer, A. A. P. G., with Lew H. Wentz, San Antonio, Texas
Rôle of Surface Geology in Petroleum Exploration

Although the use of surface geology as an independent method in petroleum exploration has become practically obsolete, it should be employed to a much greater extent in conjunction with geophysical, subsurface and other modern techniques. Where familiar methods of mapping surface structure are not applicable, much valuable information can be obtained at low cost by physiographic studies. The application of surface, structural, and physiographic work to exploration problems in the Gulf Coastal Plain and in the Permian Basin is discussed. Certain types of physiographic anomalies of diagnostic value are described, and some of the difficulties surrounding their interpretation are indicated.

31. L. W. STORM, Schlumberger Well Surveying Corporation, Corpus Christi, Texas
Résumé on Sedimentation in Gulf Coast Region of Texas and Louisiana

The structure, composition, and manner of accumulation of present-day deposits along the coast are described along with those of Recent and Pleistocene time still largely intact. Meaning of the topography on the surface of these deposits, and their relation to Glacial history are discussed.

Following this and using it as a background, the more significant features of formations back to the beginning of the Eocene are reviewed.

Topics receiving special attention are: delta structure of several kinds and the con-