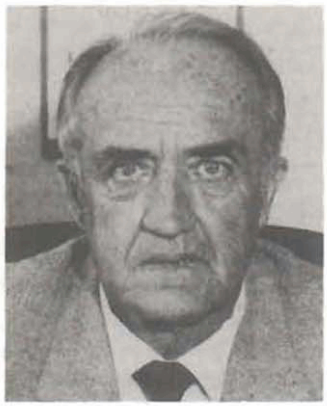
DINNER MEETING—OCTOBER 7, 1985

WILLIAM E. SWEET—Biographical Sketch



William E. Sweet is Staff Geologist of the Minerals Management Service in Metairie, Louisiana. He has been with the service since 1975 where he has also served as Staff Oceanographer and Supervisory Geologist. During his tenure with the Minerals Management Service, Dr. Sweet participated on Leg 96 of the Deep Sea Drilling Project in the Fall of 1983. He is scheduled to participate in Leg I of the Gloria survey of the Exclusive Economic Zone in the Gulf of Mexico aboard the M/V Farnella operated by the British Institute of Oceanographic Sciences.

Dr. Sweet served in the U. S. Navy from 1943-46 in the Pacific Theater. He received a B.S. in Geology from Tufts University in 1951 and then went to work for the Cartographic Branch of the U.S.G.S. From 1952-53 he was a Well Site Geologist for the Geological Well Services Co. and then served as a Marine Geologist and Chief Diver from 1953-55 for Narragansett Marine Laboratory.

In 1955 Dr. Sweet enrolled in Texas A&M where he subsequently earned a M.S. degree in Geology in 1957. He went to work as an Exploration Geologist for Standard Vacuum Oil Company from 1957-60. There he worked primarily in Somalia and East Africa. From 1963-68 he was employed as a Seismologist for Ray Geophysical Company and worked in Louisiana, Texas, New Mexico, Libya, England and Egypt.

Dr. Sweet returned to Texas A&M in 1969 as a Research Associate. In addition to earning a Ph.D. in Oceanography in 1972, he coordinated Texas A&M's Oil Seep Study and served as Chief Scientist on cruises to the Gulf of Mexico and the Caribbean. He presented professional papers in the U.S.; Mexico; Magarita, Venezuela; Bordeaux, France; Wales and Guadelupe, French West Indies.

Dr. Sweet has authored 31 professional publications. He is a member of the A.A.P.G., the S.E.G. and is a Fellow of the G.S.A. He received the Department of Interior Superior Service award in February, 1983.

CONSTRUCTION OF REGIONALLY CORRELATED STRATIGRAPHIC SECTIONS CENTRAL GULF OF MEXICO, PART I

The Gulf of Mexico Outer Continental Shelf (OCS) Regional Office of Minerals Management Service has been conducting detailed stratigraphic correlations of the Texas/Louisiana Outer Continental Shelf for the past several years as a part of the geological and geophysical effort of the Resource Evaluation program. In late 1985, the MMS will publish an atlas titled "Correlation of the Cenozoic Sediments on the Gulf of Mexico Outer Continental Shelf Part I, Galveston Area Offshore Texas to Vermilion Area Offshore Louisiana". Part II will extend down the Texas Coast to Port Isabell and Part III will extend eastward beyond the Main Pass Area.

The primary objective of the stratigraphic study is to establish a regional stratigraphic correlation grid including all major productive intervals based upon electric logs, seismic and paleontological data. Twenty-five stratigraphic horizons have been identified and regionally correlated. With the cooperation of industry, key portions of Minerals Management Service's large proprietary data base in addition to publicly available information, were incorporated into this publication. Work on Part I includes the detailed analyses of more that 1,500 wells, three quarters of which had paleo data, and the interpretation of 12,000 line miles of seismic data.

The correlations of regional markers are presented on both electric log (geological) cross sections and on seismic sections which closely parallel the geological cross sections. The regional markers correlated on the E-logs were projected on to nearby seismic sections and correlated from well to well to verify the accuracy of the electric log correlations. Time-depth values were calculated from bore hole velocity surveys and/or integrated sonic logs.

Approximately 33 electric log and 42 seismic sections have been constructed. The final sections will be presented in color to enhance the visual quality of the presentation.