

Downwarping of the thicker coastal areas is balanced by upwarp of the interior parts of the delta plains. Oscillations of sea-level by glacial control caused entrenchment of streams between periods of high sea-level deposition. Continued warping on axes parallel with the Gulf shore lines caused each older plain to slope more steeply gulfward than the next younger one. In the younger plains, slope criteria are secondary to continuity of plains and similar relationship to shore lines traced by continuity.

Shore lines of the Cooke Atlantic coast series are recognizable at 12, 25, 45, and 75 feet above sea in spite of Gulf Coast warping, probably because the warp axes are parallel with the coast line. Higher shore lines may be present. Entrenchment is known to have followed the abandonment of the 12- and 75-foot shorelines. The formations are continued up the Rio Grande valley as terraces. Stream terraces continuous with the intermediate shore lines have not been found.

The subject is presented in outline. Detailed presentation is reserved for publication by the Geological Society of America under a grant from which a part of the work has been done.

PACIFIC SECTION, SIXTEENTH ANNUAL MEETING
NOVEMBER 9-10, 1939. ABSTRACTS

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Los Angeles, California

The sixteenth annual meeting of the Pacific Section of the Association was attended by 405 registered members and guests. At the luncheon in the Coccoanut Grove of the Ambassador Hotel on Thursday, November 9, president Ley gave a comprehensive talk on Association affairs and plans before 155 members. The technical sessions on the 9th were attended by nearly 400 persons and on the 10th, approximately 500 attended. High points of the technical program were the talks by Henry A. Ley, A. I. Levorsen, and E. E. Rosaire. An amended constitution was adopted at the business meeting in the afternoon of the 9th. The dinner dance in the Fiesta Room of the Ambassador Hotel in the evening of the 10th was well attended and enjoyable.

New officers of the Section are Albert Gregersen of The Texas Company, succeeding R. M. Barnes as president, and E. J. Bartosh of the Bankline Oil Company, succeeding H. D. Hobson as secretary-treasurer. The Pacific Section of the Society of Economic Paleontologists and Mineralogists elected James M. Hamill, of The Texas Company, president, succeeding W. D. Rankin, and Edward B. Fritz, of the Union Oil Company, was reelected secretary treasurer.

The technical program follows.

1. HENRY A. LEY, president, A.A.P.G., vice-president, Southern Cross Oil Company, San Antonio, Texas: Prospecting in the National Economy (abstract).

In spite of currently large petroleum reserves we should not accept a spirit of smug complacency which would relegate the need of continuing exploration to some future time. Our national economy calls for continuous and widely supported exploration—certainly the maintenance of adequate geological and geophysical arms of the industry.