
AWARDS

STUDENT POSTER SESSION COMPETITION

The Poster Committee and Awards Committee have worked together to find student presenters for a poster session to be held immediately prior to our April 22nd dinner meeting. The Awards Committee will select the best posters and present cash awards totalling \$250. The following students will present posters:

University	Student	Title
Rice	Pablo Eisner	Tectonostratigraphic Evolution of the Neuguean Basin, Argentina
Lamar	Pamela F. Borne	Monitoring Changes in a Sediment-Starved Texas Beach Following the Removal of an Erosion-Prevention Structure
UT	K. D. Apperson	Mechanical Models of Compressional Fault-Related Folds: Controls on Deformation and Internal Stress
UH	A. M. Therriault W. U. Reimold	Field Studies of Bronzite Granophyre, Vredefort Structure, South Africa
UH	R. T. Beaubouef P. F. Rush	Diagenetic Framework for Chemical Remanence Acquisition in Lower Paleozoic Carbonate Rocks from W. Newfoundland

MONITORING CHANGES IN A SEDIMENT-STARVED TEXAS BEACH FOLLOWING THE REMOVAL OF AN EROSION-PREVENTION STRUCTURE

By **Pamela F. Borne**

The Texas Open Beaches Act prohibits the construction of any erosion-prevention structures on Texas beaches. The recent forced removal of such a structure just south of Sabine Pass, Texas provides the opportunity to study the redistribution of trapped sediments by the longshore current. Locally the coastline has undergone considerable erosion due to subsidence, sea level rise and trapping of sediment from the Sabine River before it is distributed by the longshore currents of the Gulf of Mexico. The shore to the west of the jetty location has retreated substantially due to sediment starvation caused by the jetty in addition to the other factors listed above. The beach on either side of the former jetty position is being monitored to determine if the removal of the jetty will significantly alter the rate of shoreline erosion. An initial topographic map of the heavily eroded shore immediately west of the jetty is being surveyed using plane table and alidade. Additional preliminary surveys have been made of the areas adjacent to the topographic map area. These surveys will be used to establish a base

map on which subsequent sediment movement can be shown. Aerial photographs and historical papers will be utilized to further document sediment movement.