



Sediment Processes of Lake Ontario: On and Off the South and Eastern Shores

**Presented by Professor Charles E. McClennen
Colgate University**

Accumulations of sand are a rarity along the American shores of Lake Ontario and due to the dynamic nature of the system, the sand accumulations tend to move over time. Many parties, including private landowners, recreational boaters and regulatory agencies, among others, are continually expressing concern over the ongoing erosion of shoreline beaches and dunes and the movement and deposition of offshore sand deposits.

These concerns have led to detailed studies of sediment transport along the shores of the lake in an attempt to provide a basis for decisions concerning regulatory management. Dr. Charles McClennen has been an active participant in research efforts conducted to define the dynamics of the system and will present to us a brief discussion on the active transport processes and sediment distribution along the southern and eastern shorelines of Lake Ontario.

This presentation will include a discussion on the history of the development of the Lake's sediment beds and shorelines and the ongoing coastal erosion and retreat processes taking place. In addition Dr. McClennen will discuss the relationship between active and past processes and Lake level fluctuations to field

data collected with such methods as side-scan sonar and seismic-reflection surveys, as well as core and grab samples of sediments.

Dr. McClennen has been a member of the Colgate faculty since 1973. His specialties include oceanography, marine geology, among others. Dr. McClennen received a doctorate in Geological Oceanography from the University Of Rhode Island Graduate School of Oceanography.

Meeting logistics: The meeting will take place on Thursday, March 16th at the Ramada Inn on Buckley Road in Syracuse, New York. A social hour will be held from 5:30 p.m. to 6:30 p.m. and will be followed by a buffet dinner starting at 6:30 p.m. The main presentation by Dr. McClennen will begin at about 7:30 p.m.

The cost of dinner is \$20 for members, \$22 for non-members and \$15 for student members. People may also attend the presentation only for a nominal fee of \$3. Please RSVP by Monday, March 13th to Bonnie at Parratt-Wolff via e-mail at bolney@pwinc.com or 437-1429.