



## *Field Trip*

# **Geology of Central Park: From Rocks to Ice**

**Charles Merguerian**  
Hofstra University

**Saturday June 24, 2006**

The impressive natural exposures left in Central Park by implementation of Olmstead and Vaux's Greensward Plan stand as geologic sentinels that offer the geologist a glimpse into the past. Sculpted by glacial ice from two contrasting ice-flow directions during Pleistocene times, the rocky knolls expose at the earth's present surface evidence of sedimentary- and volcanic protoliths that were folded and metamorphosed at depths originally exceeding 30 km. Uplift and erosion have elevated these former deep-seated rocks allowing analysis and interpretation by many geologists. The rocks of Central Park show evidence for poly-deformation under ductile conditions with Taconian shearing and recrystallization followed by younger folding, retrograde metamorphism, and subsequent brittle faulting. The park is simply a marvelous outdoor teaching laboratory for inquiring students of all aspects of geology. A complete guide to the field trip is on the web at [www.geo.sunysb.edu/lig/Conferences/abstracts-04/merguerian/Merguerians2004.htm](http://www.geo.sunysb.edu/lig/Conferences/abstracts-04/merguerian/Merguerians2004.htm)

**We will meet at 8th Ave and 59th Street at the Columbus Circle statue and fountain at SW corner of park at 12 noon. Dr. Merguerian will give a brief summary of the trip while we eat lunch.**

**We will go rain or shine. There will be no refunds. Bring lunch and drink.**

If you wish to participate, we need to know by **Tuesday, June 20**. Make your reservations by sending a check for \$10.00 per participant made out to Long Island Geologists. **No confirmation will be sent.**

Long Island Geologists  
Earth and Space Sciences Building  
S.U.N.Y.  
Stony Brook, New York 11794-2100 Tel. 631 632 8535; Fax 631 632 8240

Long Island Geologists web site is at [www.geo.sunysb.edu/lig/](http://www.geo.sunysb.edu/lig/)

## Registration Form

Make your reservations by sending a check for \$10.00 per participant made out to Long Island Geologists. **No confirmation will be sent.**

Long Island Geologists  
Earth and Space Sciences Building  
S.U.N.Y.  
Stony Brook, New York 11794-2100 Tel. 631 632 8535; Fax 631 632 8240

Enclosed is a check for \$\_\_\_\_.to reserve \_\_\_\_places for the Field Trip on Saturday June 24, 2006.

Name(s) \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_

Town\_\_\_\_\_State\_\_\_\_\_Zip\_\_\_\_\_

Phone Number \_\_\_\_\_ e-mail\_\_\_\_\_

If you are a teacher or professional geologist, would you like in-service credit or continuing education units? \_\_\_\_\_