

Thursday, May 14, 2015

2015 SPRING MEETING ANNOUNCEMENT

JOINT MEETING - NORTHEAST SECTION of AIPG and LIAPG



**1:00 to 3:00 PM
Field Trip at
Orchard Beach
Pelham Bay Park
Bronx, NY**



OPEN TO ALL AIPG AND LIAPG MEMBERS AND OTHER INTERESTED SCIENTISTS

Registering and paying is easy -- **Registration On-line is Open to All**, regardless of affiliation

Please visit <http://www.ne-aipg.org> (click on "meetings" and scroll down)

The Northeast Section of AIPG (NE-AIPG) and Long Island Association of Professional Geologists (LIAPG) invites all members and their guests to attend the 2015 Spring Meeting at Pelham Bay Park in the Bronx, NY.

A highlight of this meeting is a guided trip to Orchard Beach to observe various outcrops of metamorphic rocks. Pelham Bay Park is New York City's largest park, more than three times the size of Central Park. Drs. Nicholas Coch and Patrick Brock from Queens College will lead the tour. Read more about the park history and its features on page 2.

Following the tour, please join us for a joint meeting with the LIAPG at Austin's Steak & Ale House, 82-70 Austin Street, Kew Gardens, New York. There will be a joint social hour before dinner, and a presentation of Slayback Awards (page 2) to NE-AIPG honored members, followed by dinner.

Dr. Coch will provide an after-dinner presentation that focuses on the unique vulnerability of the NYC-NJ metropolitan area to hurricanes and the associated impacts. Please see page 2 for the presentation abstract.

The day's agenda includes:

1:00 – 3:00 PM: Tour of Orchard Beach metamorphic geology at Pelham State Park, Bronx, NY, led by Nick Coch and Pat Brock. Meet in the main parking lot at Orchard Beach (link on page 3)

4:00 - 5:30 PM: NE-AIPG Executive Committee Meeting (general membership is welcome), to be held at Austin's Steak & Ale House, Kew Gardens, NY (link to directions on page 3).

5:30 - 6:20 PM: Joint networking and cocktails with LIAPG at Austin's Steak & Ale House

6:20 - 6:40 PM: NE-AIPG Presentation of the Slayback Awards – Please read more on page 2

6:40 PM: Joint Dinner Meeting with LIAPG at Austin's Steak & Ale House (**\$40/person**)

7:15 PM: Presentation by Nick Coch (program ending at approximately 8:00 PM).

About the Field Trip: Orchard Beach, Pelham Bay Park

The 115-acre park includes miles of paths and trails, Orchard Beach, the Bartow-Pell mansion, golf courses and a 13-mile shoreline bordering Long Island Sound. It also features a diverse range of plant and animal life as is a prime location to observe birds like osprey. Some of the area's geologic history is displayed in the outcrops of metamorphic rock found just to the north. Pelham Bay Park is New York City's largest park property, over three times the size of Central Park. At various periods throughout history it belonged to the Siwanoy Indians, Ann Hutchinson, and the Continental Army, among others. It includes miles of bridal paths and hiking trails, Orchard Beach, the Bartow-Pell mansion, golf courses and a 13-mile shoreline bordering on Long Island Sound. It also features a diverse range of plant and animal life as is a prime location to observe birds like osprey.

Orchard Beach is 1.1 miles long and is 115 acres in size. It was once known as "The Riviera of New York" when it was first created in the 1930s. While surrounded by acres of natural forest, marshlands, and coastline, the beach is actually a man-made feature conceived by Robert Moses, who planned its construction. This involved filling in approximately one-third of Pelham Bay with landfill, followed by 1.2 million cubic yards of sand brought in by barge from Sandy Hook, New Jersey, and the Rockaways. The landfill was placed among Rodman's Neck, Twin Island, and Hunters Island. The beach opened in 1936. In 2010, construction began to extend the beach jetty. Some of the area's geologic history is on display in the outcrops of metamorphic rock found just to the north. The tour will be lead by Nick Coch and Pat Brock, both from Queens College.

Evening Presentation Abstract: Unique Vulnerability of the New York–New Jersey Metropolitan Area to Hurricane Destruction, Nicholas K. Coch, 2015

Hurricanes making landfall in the New York–New Jersey Metropolitan Area (NYNJMA) are infrequent, but the effects and destruction are considerably greater than those of similar Saffir-Simpson categories in the South. This damage amplification is the result of both the different characteristics of northern hurricanes and the unique geographic, geologic, oceanographic, and demographic characteristics in the northeast United States. Hurricanes that caused major damage hit the NYNJMA directly in 1821 and 1893, and the only major (Category 3+) hurricane to hit several major U.S. urban coastal centers was the Long Island–New England Hurricane of 1938.

Northern hurricanes move two to three times faster, have enlarged wind fields, and have a mostly coast-normal track that carries the more devastating right side hundreds of kilometers inland. A review of historical hurricane landfalls in the NYNJMA shows greatly amplified damage from hurricane winds, storm surge, and freshwater flooding. The NYNJMA is now the most densely settled and developed hurricane-prone urban coastal region in the world, and hurricane landfall will result in damage and economic dislocation that will have national and international economic, as well as other consequences.

About the The Russell G. Slayback Award, Dick Young, CPG 3356

The concept of the Slayback Award is to provide " Honor and Recognition of Exemplary Service, Above and Beyond, to the Northeast Section AIPG."

The Slayback Award is not an annual award, but is intended to be presented *on those rare occasions* when exemplary service has been given to the Northeast Section of AIPG for a protracted period of time by an AIPG Certified Professional Geologist. This Award honors Russ Slayback, CPG, for his remarkable service to the Northeast Section over many years. The last time that the Slayback Award was presented was in 2007, so this year's Spring Meeting event represents a special occasion to catch up and honor those self-less members, who will be truly surprised due to the strict confidentiality of the nomination process.

Learn more about the Slayback Award and NE-AIPG activities in the newsletter,
available on line at <http://ne-aipg.org/news.php>

Spring Meeting Registration:

Registration and payment on-line is open to all, regardless of affiliation at <http://www.ne-aipg.org>, or use the form below to register by mail.

Yes! I (we) plan to attend the Orchard Beach tour on Thursday, May 14, 2015.

I will bring my check for \$40 per person (including dinner) with me.

Name(s): _____;

(Please print clearly)

Please mail your registration to:

**NE Section - AIPG
Bob Blauvelt
345 Stuyvesant Avenue, Lyndhurst, NJ 07071**

rblauvelt@geiconsultants.com

For more information and directions to the venues:

Directions to Orchard Beach, Pelham State Park, Bronx, NY (Field Trip)

<http://www.nycgovparks.org/parks/pelham-bay-park/map>

Directions to Austin's Steak & Ale House (Meeting, Dinner, Evening Presentation)

<http://www.austinsteakandalehouse.com/>

See you there!