



SAVE THE DATE

Fourth Biennial Pioneers of Science Conference and Awards Banquet

Wednesday, November 5, 2008

Hauptman-Woodward Research Institute and the Buffalo Museum of Science are collaborating on a daytime Student Symposium; that evening will feature the Research Institute's Gala and Awards Ceremony at Kleinhans Music Hall's Mary Seaton Room.

WNY Pioneers of Science celebrates and recognizes the achievements of notable scientists who were born, educated, or worked in WNY. It provides a unique enrichment opportunity for young people interested in the sciences to interact with established scientists with WNY roots. Pioneers of Science has taken place every two years since its establishment in 2002.

Student Symposium

The Symposium, to be held at the Museum from 8 a.m. – 1:30 p.m., will include a keynote speech from one of the Pioneers and interactive learning sessions designed to inform, educate and inspire the students to consider careers in science. The 2008 Pioneers of Science award winners and some past award recipients will provide interactive sessions for the students and will be available for questions and discussion, as well – at no cost to the schools or the students. The event is primarily geared toward junior or senior level students with an aptitude for and interest in science.

Gala Awards Ceremony

The formal evening Gala Awards Ceremony begins at 6 p.m. at Kleinhans Music Hall, Symphony Circle, Buffalo. Tickets are currently available for \$150 per person; table and sponsorship opportunities are also available. For purchases or additional information, please contact Laurie Elliott Krajna at 716-898-8597 or via email at lkrajna@hwi.buffalo.edu.

The 2008 Pioneers of Science award winners are:

Philip Coppens, Ph.D.

Coppens, a chemist, is a pioneer in the field of high resolution X-ray crystallography. He has demonstrated the experimental mapping of the distribution of electrons in molecules, studied the light-induced changes in molecular crystals, and engineered crystals with specific properties. He won the Gregori Aminoff Prize from the Royal Swedish Academy of Science in 1996. Coppens has been a professor of Chemistry at the University at Buffalo since 1968.

Claire Fraser-Liggett, Ph.D.

Fraser-Liggett led the teams that sequenced the genomes of microbial organisms and helped initiate the era of comparative genomics when head of The Institute for Genomic Research. She presently heads the University of Maryland School of Medicine's Institute of Genome Sciences. She received her doctorate from the University at Buffalo.

Thomas B. Tomasi, M.D., Ph.D.

Tomasi has made many important contributions to the field of Immunology. His work demonstrated why the human body does not reject the fetus. He was educated at Dartmouth College (BA), the University of Vermont (MD) and Rockefeller University (PhD). He served as President and CEO of RPCI from 1987-1996, and is presently working on the development of a tumor vaccine.

Patricia Chapple Wright, Ph.D.

Wright studies behaviour, ecology and biology of lemurs. She discovered a new species of monkeys and helped establish the Ranomafana National Park Preserve in Madagascar where she serves as International Coordinator. She received the MacArthur 'genius' award, and serves on the National Geographic Society's Committee for Research & Exploration. Wright grew up in the Buffalo area.

John D. Holland

A research fellow at the Buffalo Museum of Science, Holland has made fundamental contributions to the study of prehistoric stone tools, and the analysis and classification of the lithic (stone) materials. As a young man, Holland moved to Buffalo to work at the Ford Stamping Plant. Following retirement from his engineering position, he pursued an atypical largely self-taught second career to become a leading expert in the field he pioneered.

Norman C. Jarosik, Ph.D.

Jarosik, a physicist working in large scale science is a leader of one section of the WMAP (Wilkinson Microwave Anisotropy Probe) Mission of NASA that has revealed conditions as they existed in the early universe, billions of years ago. Jarosik was born and educated in Buffalo through undergraduate and Doctorate degrees from the University at Buffalo.

Our Posthumous Pioneers:

Willis Haviland Carrier

Carrier (1876-1950) was raised on a farm in Angola, NY. Following his receipt of a master's degree in Electrical Engineering from Cornell University in 1901, he went to work at the Buffalo Forge Company. While there he developed and patented (1906) the world's first mechanical air conditioner

Gerty Cori, M.D. and Carl Cori, M.D.

Gerty (1896-1957) and Carl Cori (1896-1984) received the Nobel Prize in Physiology and Medicine 1947 for the discovery of the course of the catalytic conversion of glycogen. This work was done at the Roswell Park Cancer Institute (then The Institute for the Study of Malignant Diseases).

To see more about the Pioneers of Science event, visit:
http://www.hwi.buffalo.edu/Public_Programs/Pioneers.html