

# Forum on Opportunities in Ecology Participants

July 7, 2009

**Dr. Kathleen LoGiudice** is an Associate Professor of Biology at Union College in Schenectady, NY. She received her Ph.D. in 2000 from Rutgers University and completed a post-doctoral fellowship at the Cary Institute of Ecosystem Studies. Her research area is the ecology of infectious diseases, with her earlier work focused on the impact of a nematode parasite of the Allegheny wood rat, a regionally endangered species. Her current work (in collaboration with Richard S. Ostfeld of the Cary Institute and others) is focused on the ecology of tick borne diseases. She is a strong proponent of undergraduate research and is delighted to be involved in the Institute's REU Forum.

**Dr. Fred S. Lubnow** is the Director of the Aquatic Programs at Princeton Hydro, and is the office manager of the Exton, Pennsylvania office. Dr. Lubnow received his Bachelor's of Science in Biology from Susquehanna University (1988), his Masters degree in Environmental Sciences (1992) from the University of California Davis and his Ph.D. in Limnology (1994) from the University of California Davis. Dr. Lubnow has been an environmental consultant for over 15 years and has worked on a variety of ecosystems throughout the Mid-Atlantic States. His areas of expertise include the identification of algae and zooplankton, the design and implementation of in-lake management strategies, the development of watershed-based management plans that focus on non-point source pollution, utilizing the Total Maximum Daily Load (TMDL) process to improve the water quality of lakes and rivers and the analysis of long-term ecological databases. Dr. Lubnow was the Region III Director of the North American Lake Management Society and the Treasurer for the Pennsylvania Lake Management Society. He has also given a number of talks through the years at the New York State Federation of Lakes Association.

**Donna Light -Donovan** teaches AP Biology/AP Environmental Science and coordinates the Science Research Program at Croton-Harmon High School, Croton-on-Hudson, New York (1995-present). Her experiences as an electron microscopist at Yale Medical School (1975-1986), biology/research teacher in the South Bronx (1990-1995), and as a teacher researcher in the laboratory/field station of the Rockefeller University neurogenesis researcher Fernando Nottebohm (1992-1997), have had a tremendous influence on her teaching. Donna has received funding to adapt research concepts into lesson plans from the National Institutes of Health, the American Society of Biochemistry and Cell Biology, American Association of University Women (Eleanor Roosevelt Fellowship), the Howard Hughes Institute, and the Croton-Harmon Education Foundation. In turn, she has shared this work in presentations at the American Museum of Natural History, American Association of University Women conferences, the Coalition of Essential Schools Fall Forum, Art & Science Collaborations Inc.'s ArtSci2002, and New York University's Faculty Resource Network, among others. In 2007, Light-Donovan completed a certificate in Landscape Design from the Institute of Ecosystem Studies, Millbrook, New York. During summer 2009, she will be participating in the SENSE IT project at the Beacon Institute of Rivers & Estuaries, Beacon, New York. She has a B.A. from Bennington College and an M.S. in Science Education from Columbia University Teachers College.

**Jim Mayfield** is the Section Chief of the Program Evaluation and Planning unit in the Division of Watershed Water Quality Science and Research for New York City's Department of Environmental Protection Bureau of Water Supply. The Bureau of Water Supply's mission is to reliably deliver a sufficient quantity of high quality drinking water and to ensure the long term sustainability of the delivery of this most valuable resource in order to promote public health, economic development, and quality of life of the City of New York. In an effort to help achieve this goal, the Program Evaluation and Planning unit provides scientifically-based guidance and support for water quality monitoring programs and research projects in the NYC water supply watersheds. Jim began his career at NYCDEP in 1988 as the Catskill District Limnologist, where he conducted reservoir surveys, performed laboratory analyses, managed data, and prepared reports. In 1990 he began supervising the program that evolved into the Watershed Hydrology Program, and he served as director of this program until March 2007. The Watershed Hydrology Program conducted water quality monitoring in the NYC water supply watersheds at over 150 stream and reservoir release sites and also maintained a meteorological network of 26 stations. Jim received a B.S. in Biology from Centre College of Kentucky and an M.S. in Biology from the University of Louisville.

**Manna Jo Greene**, Clearwater's Environmental Action Director since 2000 was formerly the Recycling Coordinator/Educator for the Ulster County Resource Recovery Agency for more than 10 years and a registered Critical Care Nurse since 1976. She holds an AAS in Nursing, a BA in biology (pre-med) from SUNY/New Paltz, and completed course work toward a Masters in Environmental Sciences at Bard College. A lifelong environmental professional and community activist, Manna avidly supports collaborative land use planning and problem solving. Working to promote sustainable agriculture and green building and landscaping practices, she teaches communities how to integrate environmental preservation, economic prosperity (based on quality of life indicators), and social equity using effective communication. Manna also serves as Councilwoman on the Rosendale Town Board.

**Dr. Jason Cryan** is the Director of the Laboratory for Conservation and Evolutionary Genetics at the New York State Museum. He travels the world to study phytophagous insects in the order Hemiptera. His research primarily deals with molecular phylogenetics: using comparative DNA sequencing to reconstruct evolutionary relationships among groups of organisms. Before arriving at the New York State Museum, Dr. Cryan completed his bachelor's degree in Zoology at the University of Vermont, his master's degree and doctorate at North Carolina State University, and a post-doctoral fellowship at Brigham Young University.

**Ross Gould** is an attorney, advocate and activist. As an advocate and activist he works on social and environmental issues. Ross is an active member of Hudson River Sloop Clearwater, working as Clearwater's member representative in its Environmental Justice contention in proceedings to determine the application for renewal of the Indian Point operating licenses. Ross is also an active member of the Sierra Club's Atlantic Chapter as member of its Watershed committee and Natural Gas Task Force. In this role, he has researched issues relating to the socio-economic impacts of drilling for natural gas. As an active member of the New York City Bar Association, Ross serves on the Moderate Means Committee and has been involved with the NYC Bar Association's Cancer Advocacy Project. Ross completed his undergraduate degree at Emory University in Atlanta, Georgia and graduated from Hofstra University School of Law in 2000. Currently, Ross is completing a certificate program in conservation biology at the Center for Environmental Research and Conservation at Columbia University.

**Dan Shapley** is the news editor for The Daily Green.com, a national news and lifestyle Web site that Hearst Magazines launched on Earth Day 2007. Before working for The Daily Green, he was an award-winning reporter and editor focusing on the environment for the Poughkeepsie Journal, a daily newspaper serving New York's Hudson Valley. Dan Shapley is the news editor for The Daily Green.com, a national news and lifestyle Web site that Hearst Magazines launched on Earth Day 2007. Before working for The Daily Green, he was an award-winning reporter and editor focusing on the environment for the Poughkeepsie Journal, a daily newspaper serving New York's Hudson Valley. He graduated with a B.A. in English and writing from Hartwick College in Oneonta, N.Y. in 1999.

**Julie Hart** joined the Dutchess Land Conservancy staff as the Stewardship and Education Programs Manager in February of 2007. She previously worked at the Cary Institute of Ecosystem Studies from 1994-2007, where she was a Research Specialist. At the Institute, Julie worked on a number of research projects studying long-term forest dynamics. Julie has a BA in Biology from Bard College and is certified as a New York State EMT, a CPR instructor for the American Heart Association and an EMT Instructor for the New York State Department of Health.

**Carolyn Klocker** is the Resource Educator in the Environment Program at Cornell Cooperative Extension of Dutchess County. She works with many of Dutchess County's local watershed groups, CACs, and the Environment Program's No Child Left Inside Program for youth. She is also available as a scientific resource on water issues, and fields many questions from the public about wetlands, streams, watersheds, and environmental-related issues in general. Carolyn recently received her M.S. degree in Environmental Science from the University of Maryland, College Park, and holds a B.A. degree in Biology from Hiram College in Ohio. Carolyn's master's degree research focused on nitrogen cycling in urban restored and degraded streams in Baltimore, MD. Before working on her master's degree, she spent several years working as a Research Assistant and Ecology Educator at the Cary Institute of Ecosystem Studies in Millbrook, NY.