

Bedford Audubon Society

BioBlitz 2007

SCIENTISTS AND OTHER PARTICIPANTS

Dr. Amy Berkov is a botanist whose interests include the interactions of tropical plants and insects, chemistry of the Brazil nut family, systematics and host associations of wood boring beetles, tropical forest ecology and conservation and the evolution of pollination in the Angiosperms. She teaches a variety of botany courses with special emphasis on urban ecology at the City University of New York. She received her Ph.D. from Lehman College of CUNY. Email: berkov@sci.cny.cuny.edu. Dr. Berkov will be joined by two of her graduate students.

Dr. William Buck is the Mary Flagler Cary Curator of Botany at The New York Botanical Garden. His interests are associated with understanding the relationships of different groups of mosses, especially pleurocarps (with creeping, branched stems and laterally placed spore capsules). He is the editor of the *Memoirs of the New York Botanical Garden* and of *Tropical Bryology* and *Nova Hedwigia*. He is also the primary organizer for the Tuckerman Lichen Workshops, which are a forum for amateur lichenologists to interact with professionals and advance their study of lichens.

http://sciweb.nybg.org/science2/Profile_90.asp

Rod Christie is the Executive Director of Mianus Gorge Preserve, The Nature Conservancy's oldest preserve, in Bedford, NY.

Olga Calderon is a graduate student and on the faculty at CUNY's Department of Natural and Applied Science. Her specialty is insects.

Dr. Stephen Coghlan is an Assistant Professor of Freshwater Fisheries Ecology at University of Maine. Dr. Coghlan is working closely with state and federal agencies in building a collaborative research program around issues important to the ecology and management of Maine's freshwater fish and aquatic habitats and has taught courses in fisheries biology, ichthyology, aquatic entomology, and Adirondack field ecology. He is also a National Science Foundation Post-Doctoral Research Associate at Arkansas State University.

Tami Colherty is a graduate student at CUNY's Department of Natural and Applied Science. Her specialty is insects.

Dr. Garrett E. Crow is Professor of Botany and Director, Albion R. Hodgdon Herbarium Vascular Plant Collection, University of New Hampshire. He is the co-author of the two-volume *Aquatic and Wetlands Plants of Northeastern North America*, published by the University of Wisconsin Press in 2000. His interests are in biodiversity, systematics, phytogeography, ecological floristics, aquatic plants, temperate and tropical plants, and endangered species of New Hampshire/New England

<http://pubpages.unh.edu/~gec/>

Paul Damcot is a graduate student at the University of Maine. He is working on a research project with Dr. Stephen Coghlan to determine the effect of the introduction of brook trout on fishless streams.

Dr. Parker Gambino is a Biology teacher at Greenwich High School and expert on Hymenoptera – comprising sawflies, wasps, bees and ants. Dr. Gambino has participated in previous diversity studies and has published numerous scientific articles on wasps.

Ted Gilman has 30 years experience as a Senior Naturalist for Audubon Greenwich. Ted will bring the educator component to this project. He has also been a volunteer leader on several other BioBlitzes – and is amazing at imitating owls.

Steve Glenn is a Research Assistant working on the Metropolitan Flora Project at Brooklyn Botanic Garden.

Carol Gracie is a botanist, photographer, New York Botanical Garden research assistant, and Bedford Audubon Board director. Carol organizes and leads international natural history tours for the Botanical Garden. She is the author of the recent book, *Wildflowers in the Field and Forest: the Northeast*, coauthored with Steve Clemants. Carol has already been doing a botanical inventory of the Leon Levy Preserve.

Dr. Andrew Greller is Professor Emeritus, Biology at Queens College, NY. His present research interests are in climatology, syntaxonomy and composition of tropical and temperate forests; and in local flora and vegetation and their conservation. At Queens College he continues to teach courses in Community Ecology (doctoral), World Vegetation (doctoral), Plant Morphology, Plant Taxonomy and Field Botany. He serves on doctoral committees at the City University of New York and is also active in a number of local civic and scientific organizations.

http://qcpages.qc.cuny.edu/Biology/fac_stf/greller.html

Dr. Richard Harris is a lichenologist at The New York Botanical Garden. He works on lichens all over the world and is currently working on a lichen flora of the Ozarks.

<http://www.obfs.org/cgi-bin/class.pl?type=viewfull&id=898> <http://www.nybg.org/bsci/lichens/eln/>
<http://www.nybg.org/bsci/lichens/ozarks/>

Dr. Christine Johnson is a scientist at the American Museum of Natural History. Her basic research focuses on co-evolution between social parasites and their hosts, in particular, how two different slave-making ants in western North America interact with a common host. Chris is credited with the most unusual find of the BioBlitz—a slave-making ant of the genus *Temnothorax*, which has not been recorded in the New York City region before.

Ed Lam is a resident of Eastchester, NY. He is an acknowledged expert in the world of dragonflies and damselflies and a prolific writer. His latest book, written and illustrated by him, is *Damselflies of the Northeast*. His comprehensive website <http://homepage.mac.com/edlam/butterfly.html> includes birds, butterflies, and dragonflies.

Murray Lantner is a graduate student studying conservation biology in the Ecology, Evolution and Environmental Biology (E3B) Program at Columbia University where he is currently finishing his Masters degree. Murray has also spent many years working as an Environmental Engineer for the U.S. Environmental Protection Agency (EPA) where he works on water pollution issues. Murray has a strong interest in Herpetology and has volunteered in surveys of eastern tiger salamanders (*Ambystoma tigrinum tigrinum*) and marbled salamanders (*Ambystoma opacum*).

Carol Levine has been an instructor in field botany at The New York Botanical Garden for the past 25 years. She is the author of *A Guide to Wildflowers in Winter*, published in 1995. Over the years, Carol has been a sought-after guide at wildflower walks, and she has given numerous lectures and presentations to a variety of organizations and societies. She is the Recording Secretary for the Torrey Botanical Society and on the Boards of the Connecticut Botanical Society and the Bartlett Arboretum.

Gary Lincoff is a New York Botanical Garden instructor on fungi, mosses and lichens, author of the *Audubon Guide to Mushrooms of North America*, co-author of *Toxic and Hallucinogenic Mushroom Poisoning* and numerous other publications on fungi. He is also the founder of annual "Mushroom Forays" held at various locations in the Eastern United States.

Dr. Roz Lowen has a Ph.D. in mycology from CUNY and is an expert in the Ascomycetes, also called Sac Fungi. She lives in New Hampshire.

Randy Mercurio is a scientist at the American Museum of Natural History's Division of Invertebrate Zoology, where he manages the curation of the Arachnid and Myriapod collections. He has extensive experience working with live organisms in captivity including arthropods, fish, reptiles, amphibians, bats, and plants. His other research interests include the taxonomy, natural history, ecology, and biogeography of the centipedes of North America.

Dr. John Mickel is Senior Curator Emeritus, Institute of Systematic Botany and Scientist at The New York Botanical Garden. His book *Pteridophytes of Mexico* was published in 2004. His *Ferns for American Gardens* has been included among the American Horticultural Society's 75 Great American Gardening Books. He is also the founder and only secretary of the New York Fern Society and founder of the American Fern Society's bulletin, the *Fiddlehead Forum*.

http://sciweb.nybg.org/science2/Profile_10.asp

Hugh McGuinness is a recognized authority on moths and/or birds of Eastern Long Island. He is a high-school science teacher at The Ross School, East Hampton, NY. His professional research involves monitoring moth populations in various habitats on Long Island.

Dr. James Miller is a botanist, Dean and Vice-President for Science at The New York Botanical Garden, and formerly William L. Brown Curator of Economic Botany at Missouri Botanical Garden. His expertise lies within the Boraginaceae group of plants and the flora of Madagascar. He is the author of numerous scientific publications.

<http://www.mobot.org/MOBOT/Research/curators/miller.shtml>

Dr. Gerry Moore (pronounced Gary) is Director of Science at the Brooklyn Botanic Garden. His main interests lie within the areas of floristics of the northeastern United States and the philosophy of classification and nomenclature. He is the coordinator of the New York Metropolitan Flora Project.

<http://www.bbg.org/sci/staff/moore.html>

Charlie Olsen is a scientist at the New York City Department of Environmental Protection focusing on stream management plans in the Catskills.

Dr. Vladimir I. Ovtcharenko is an Assistant Professor on the Natural Sciences Faculty's Biology Unit at The Teacher Academy at Hostos Community College under The City University of New York. He is an arachnologist, who has studied ground spiders of Gnaphosidae in Central Asia. He is a member of the American Arachnological Society.

Dr. Susan Pell is the molecular plant systematist at Brooklyn Botanic Garden where she uses DNA sequence data and morphological characteristics to study the evolutionary relationships of the cashew family, Anacardiaceae. As part of her ongoing studies, she travels worldwide to collect specimens for her research. Dr. Pell is also program coordinator for The New York Botanical Garden's Continuing Education classes covering genetics, angiosperm morphology and systematics. Susan is also the Program Chair and Corresponding Secretary for the Torrey Botanical Society.

Kelly Perkins holds a Master's degree from the University of West Virginia and is an expert on cerulean warblers. Currently she is working with the NY DEC Natural Heritage program.

Steve Ricker is Executive Director Westmoreland Sanctuary, Mount Kisco, NY.

Butch Rosenfeld is a scientist at the New York City Department of Environmental Protection's Bureau of Water Supply.

Lori Shapiro is a PhD student at Penn State's entomology program studying beetles.

Dr. Lou Sorkin is an entomologist at the American Museum of Natural History. He is a Scientific Assistant to Norman Platnick and is responsible for management of the Spider and Ricinuleid Collections, and for processing loan requests.

Dr. Julie Trachman is an Assistant Professor, on the Natural Sciences Faculty's Biology Unit at The Teacher Academy at Hostos Community College under The City University of New York.

Bill Wallace is a graduate of SUNY Purchase's Environmental Science program. He is an excellent birder as well as an expert at butterfly identification. He is active with the North American Butterfly Association, Bedford Audubon, and Greenwich Audubon. He also works in the Great Swamp and the Quaker Ridge hawk watch.

Steve Walter is a highly recognized amateur naturalist from Queens, NYC. He is fluent in the field identification of birds, butterflies, moths, dragonflies and damselflies.

Harry Zirlin is a lawyer and a naturalist residing in Westchester County. He contributed to the National Audubon Society Field Guide to the Mid-Atlantic States and owns a vast collection of immaculately cataloged beetles, butterflies and moths, numbering close to 20,000.

Adam Zorn is a naturalist at Westmoreland Sanctuary in Mount Kisco, NY.