

**Edward M. Barrows**, a Professor of Biology at Georgetown University, has been observing local pollinators since 1975 and has published scientific papers regarding some of them. His current research involves arthropod biodiversity and conservation, concentrating on two National Capital Parks: George Washington Memorial Parkway and Rock Creek Park.

**Peggy Bowers**, has 22 years experience as a professional horticulturist with experience in garden design, installation and maintenance. Currently working at The American Horticultural Society's River Farm, Peggy promotes environmentally friendly gardening practices and ideas through hands-on gardening as well as lectures to community gardening groups and Master Gardeners with emphasis on organic gardening and habitat restoration.

**Stephen Buchmann**, founder/president of The Bee Works, LLC, an environmental consulting company specializing in custom pollinator surveys and GIS studies/mapping, has 30 years of experience with honey bees, native bees, and other pollinators. Having authored 4 books and over 150 scientific articles, Buchmann is also a frequent guest on National Public Radio broadcasts and the PBS television program "The Desert Speaks."

**Sam Droege** is a researcher at Patuxent Wildlife Center and is head of the Monitoring Department Group responsible for testing, designing, and implementing monitoring techniques for species and groups of animals and plants and is currently testing methodologies for tracking changes in North American bees.

**Kimberly Erusha**, Director of Education for the U.S. Golf Association, is responsible for the coordination and oversight of educational programs pertaining to the results of its turf grass and environmental research programs, Wildlife Links research program, and its other environmental activities.

**Joan Feely** is the Curator of the Fern Valley Native Plant Collection at the U.S. National Arboretum, a branch of the Department of Agriculture's Agricultural Research Service. With the Arboretum since 1986, she is responsible for the seven-acre Fern Valley Native Plant Collection, the National Grove of State Trees, and a 3-acre forest restoration project adjacent to the Arboretum's Beech Woods.

**Stephen M. Genua** is the Staff Forester in Pepco's Transmission Engineering and Construction, Forestry Management Section. Steve is responsible for the vegetation management programs of approximately 10,000 acres transmission line rights-of-way surrounding the Nation's Capital.

**David W. Inouye** is Director of the Graduate Program in Sustainable Development and Conservation Biology at the University of Maryland, College Park, and a faculty member in the Department of Biology. He is coauthor of "Techniques for Pollination Biologists" and has written about the links between conservation biology and pollination biology. His research includes long-term studies of flowering phenology, plant demography, and insect populations, in the context of climate change.

**Karen Kelly** is the Schoolyard Habitat Coordinator with the USFWS Schoolyard Habitats Program and the Maryland Association for Environmental and Outdoor Educators. She is responsible for training teachers and helping implement quality Schoolyard Habitat Projects around the state of Maryland.

**Carolyn Kolstad** is the Schoolyard Habitat Program Biologist for the U.S. Fish and Wildlife Service's Chesapeake Bay Field Office. Her primary duty is to provide technical guidance for restoration activities on school grounds, including advice on wetland, forest, and meadow design. Past projects include large scale restoration projects

on private lands for both the U.S. Fish and Wildlife Service and Ducks Unlimited.

**Karyn Molines** is the President of the Maryland Native Plant Society and the Naturalist for Jug Bay Wetlands Sanctuary. She coordinates ecological studies on Marbled Salamander (*Ambystoma opacum*), fish populations of the Patuxent River, and vegetation surveys of Coastal Plain ecosystems. She received her BS in Zoology from the University of Maryland, College Park, and her Masters in Environmental Science and Policy from Johns Hopkins University.

**Matthew Shepherd** has headed the pollinator conservation program of the Xerces Society for Invertebrate Conservation since 1999. His work includes public outreach, providing training and technical advice, and advocacy. Matthew is a member of the steering committee of the North American Pollinator Protection Campaign, and is co-author of the *Pollinator Conservation Handbook* and author of *Making Room for Native Pollinators. How to Create Habitat for Pollinator Insects on Golf Courses*.

**Sara Tangren** started Chesapeake Native Nurseries to promote the use of local ecotype wildflower and grasses for road side and other uses. She received her doctorate from University of Maryland, College Park.

**Orley (Chip) Taylor**, Professor of Entomology, Director of the Entomology Program, and Director of Monarch Watch, University of Kansas, Lawrence. Research efforts have included studies of reproductive and life history patterns in plants, comparative biology and pollinator ecology of European and Neotropical African honey bees, and migratory behavior of monarch butterflies. Taylor manages monarch education, research, and conservation initiatives for Monarch Watch, a university-sponsored project he initiated in 1992.

**Four Easy Ways to Register!** Registration is free, but space is limited. **Registration deadline: September 15.**



Fax this page to 202-245-4575  
Attn: Event Registration



Phone: 202-245-5898



leblingj@usna.ars.usda.gov  
Subject: Pollinator workshop



Mail page to: U.S. National Arboretum, Attn: Event Registration, 3501 New York Ave. NE, Washington, DC 20002

Name \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email: \_\_\_\_\_ Phone \_\_\_\_\_

Identify your selection for each afternoon session by indicating order of preference (1-5):

Session 1, 1:00 p.m. - 2:30 p.m.

- The Making of a Meadow at River Farm
- How to Census Pollinators
- Making Bee Blocks and Bee Houses
- Native Plant Collection Tour
- USFWS Schoolyard Habitat Program

Session 2, 3:00 p.m. - 4:30 p.m.

- The Making of a Meadow at River Farm
- How to Census Pollinators
- Making Bee Blocks and Bee Houses
- Native Plant Collection Tour
- USFWS Schoolyard Habitat Program

Vegetarian meal?  Special needs: \_\_\_\_\_



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*The number of commercially managed honeybee colonies in the U.S. has declined from 5.9 million in the 1940s to 2.7 million in 1995.*



# Promoting Pollinators in Public Places Habitat Conservation Workshop

September 22, 2004

Co-sponsored by:  
 National Park Service, University of Maryland,  
 and the U.S. National Arboretum

Promoting Pollinators in Public Places is a habitat conservation workshop targeting resource managers, public gardeners, educators, and others interested in enhancing habitat for butterflies, bees, and pollinators in public spaces. Participants will receive useful resources on pollinators and their habitat to promote conservation efforts in gardens, parks, golf courses, and utility properties. Breakfast, lunch and other refreshments will be provided. Registration is free, but space is limited. **Registration deadline: September 15, 2004.**

## Program Schedule:

8:00 – 8:30	Registration	Administration Bldg Auditorium
8:30 – 8:45	Welcome and Introduction	Dr. David Inouye (University of Maryland) Dr. Giselle Mora-Bourgeois (National Park Service)
8:45 – 9:15	<b>The Importance of Pollinators and the Problems They Face</b>	Dr. Steve Buchmann (Beeworks)
9:15 – 9:45	<b>Case Studies in Pollinator Conservation</b>	Matthew Shepherd (Xerces Society)
9:45 – 10:10	<b>The Local Pollinators</b>	Dr. Edd Barrows (Georgetown University)
10:10 – 10:30	Break	
10:30 – 11:00	<b>Monarchs – Migratory Pollinators</b>	Dr. Orley Taylor (University of Kansas)
11:00 – 11:20	<b>Native Wildflowers for Local Use</b>	Karyn Molines (Maryland Native Plant Society) Dr. Sara Tangren (Chesapeake Native Nursery) Dr. Kimberly Erusha (US Golf Association)
11:20 – 11:40	<b>Golf Courses and Pollinators</b>	Steve Genua (PEPCO)
11:40 – 12:00	<b>Powerline Right of Way and Pollinators</b>	
12:00	Lunch	
1:00 – 2:30	Concurrent Session 1 (choose from the following)	
	<b>The Making of A Meadow at River Farm</b>	Peggy Bowers (American Horticultural Society)
	<b>How to Census Pollinators</b>	Dr. Sam Droege (USGS)
	<b>Making Bee Blocks and Bee Houses</b>	Dr. David Inouye (University of Maryland)
	<b>Native Plant Collection Tour</b>	Joan Feely (US National Arboretum)
	<b>Schoolyard Habitat Program</b>	Carolyn Kolstad & Karen Kelly (USFWS)
2:30 – 3:00	Break	
3:00 – 4:30	Concurrent Session 2 – Repeat of above sessions	



For more information, visit  
[www.usna.usda.gov/Education/events/pollinators.html](http://www.usna.usda.gov/Education/events/pollinators.html)  
 or call Jennifer at 202-245-5898

