



2017 QUAD CITIES  
**POLLINATOR**  
 CONFERENCE  
 September 13-14 · Davenport, IA

**Natural Areas for Native Species: The Art of Conservation**



Photos by Amy Loving



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## HELP US THANK OUR GENEROUS SPONSORS

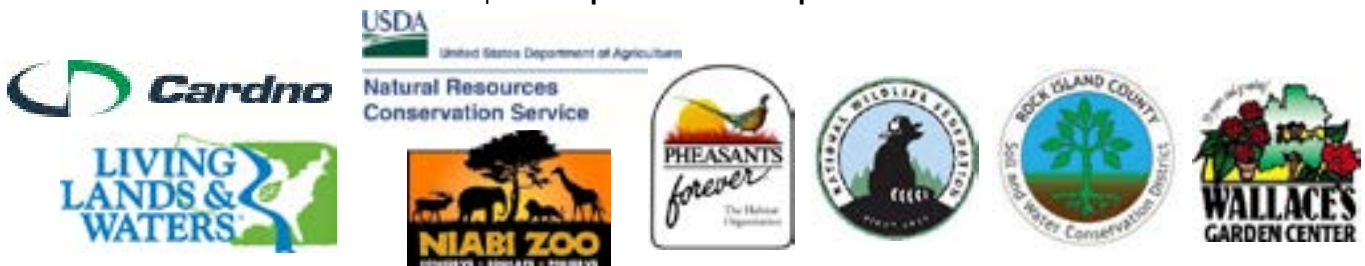
### \$1,000 Alfalfa Sponsors



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### \$250 Purple Coneflower Sponsors



### \$150 Milkweed Sponsors



Welcome to the 2017 Quad Cities Pollinator Conference. This year's conference will focus heavily on solutions. Leading experts will discuss the 'art of conservation' and provide participants with information about how we can bring these solutions to our backyards, roadsides, parks, and fields.



Photo by Julie Malake

## CONFERENCE PRESENTATIONS

The views and opinions of the presenters at the conference are solely theirs and not those of the conference organizers.

## CONFERENCE PLANNING COMMITTEE

Andrew Diallesandro, *U.S. Fish and Wildlife Service*  
Ron Fisher, *Wallace's Garden Center/ Fischer's Honey Farm*  
Scott James, *Pheasants Forever, Inc. and Quail Forever*  
Lindsey Kennedy, *Nahant Marsh*  
Amy Loving, *Nahant Marsh*  
Kristen Lundh, *U.S. Fish and Wildlife Service*  
Curtis Lundy, *Nahant Marsh*  
Kraig McPeck, *U.S. Fish and Wildlife Service*  
Brian Ritter, *Nahant Marsh*  
Liz Schramm, *Nahant Marsh*  
Rich Stewart, *Rock Island County Soil and Water Conservation District*  
Heidi Woeber, *U.S. Fish and Wildlife Service*

## SPECIAL THANKS

- Blank Park Zoo for donating family pack zoo tickets
- City of Davenport for the River Center event rental
- Ellen Loechner & Sarah Fitzgerald for their work on the committee
- Ron Fischer, Fischer's Honey Farm and Orchard, for donating honey
- Dan and Katie Kauzlarich for donating honey
- Natural Resources Conservation Service for donating The Monarch Highway posters
- Brian Ritter, Rockingham Hollow Farm, for donating jam
- Trees Forever for donating a gift basket
- To all of our other sponsors that provided door prizes

## CONFERENCE CODE OF CONDUCT

All attendees, speakers, sponsors, exhibitors, and volunteers at our conference are required to agree with the following code of conduct. Organizers will enforce this code throughout the event. We are expecting cooperation from all participants to help ensure a meaningful, solution-based discussion surrounding pollinator issues.

*Our conference is dedicated to providing a harassment-free event experience for everyone, regardless of company affiliation, beliefs, or opinions. We do not tolerate harassment of conference participants in any form. Conference participants in violation of these rules may be expelled.*



## CONCURRENT SESSION THEMES

There are three concurrent session tracks throughout the conference. All presentations in a track have a common theme. Each track will remain in the same room for the duration of the event.

**Bees, Butterflies, and Beyond: Wapsipinicon-Des Moines Room (1st Floor)**

**Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

**Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

## RIVER CENTER WIFI

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Access Point: RCAT

Password: riverconnection (*case and space sensitive*)

*Users must open their web browser to accept the city of Davenport IT terms and conditions before access to wifi is established.*

## BLACKOUT BINGO FOR DOOR PRIZES

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To encourage 100% visitation to all sponsor and exhibitor booths, we have included a “Blackout Bingo” card in your conference folder. Ask booth representatives to initial their square as you visit with them, and return your completed card to the registration table once every square has been signed. All Bingo sheets completed by 9:30 a.m. on Thursday will be exchanged for a raffle ticket. Tickets will be drawn for door prizes such as posters, signed books, gift baskets, and more. Stop by the registration table after the second morning breakout session to see if you won.

## QUESTION AND EVENT CARDS

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In your conference folders you have a set of question cards. Please return them to a conference staffer or place them in one of the marked containers at the registration table. We will do our best to answer questions after the keynote Q&A Wednesday evening. Questions submitted on Thursday will be posted on the website ([www.qcpollinatorconference.org](http://www.qcpollinatorconference.org)) shortly after the conference concludes. Use the backside of the question cards to tell us about upcoming pollinator conference events that you would like us to share with attendees.

## QUAD CITIES POLLINATOR CONFERENCE GRANT PROGRAM

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*The goal of this grant program is to fund one small-scale and one large-scale project within a thirty mile radius of the Quad Cities. The result will be a physical product that positively impacts and enhances pollinator habitat and conservation in our community. The Pollinator Conference planning committee believes that real change can be affected in our communities with the funding of such projects.*

We are pleased to announce three winners:

### **\$500 Small-Scale Project Winner: Franklin Elementary School**

Funds will be used to purchase additional plants, mulch for weed control, and educational signage for the outdoor learning lab established near the school playground in 2016. The lab includes tables for children to use during and after school hours, and is hardscaped with a concrete pad so that it is handicapped accessible. Signage will show why specific plants were chosen for the space and what pollinators they attract.

### **\$1,286 Large-Scale Project Winner: Davenport North High School**

The Davenport North High School’s (DNHS) environmental club is initiating an outdoor learning campus in an internal courtyard at DNHS that will contain two garden areas. The gardens will incorporate native species plantings to enhance habitat for pollinators, bees, and butterflies. The area is currently under construction, with the final planting slated to be completed in May 2018.

### **\$2,500 Large-Scale Project Winner: Girl Scouts of Eastern Iowa & Western Illinois**

The Girl Scouts will construct a pollinator garden at Camp Liberty in New Liberty, Iowa. New Liberty is located 28 miles north of the Quad Cities. Camp Liberty is the primary resident camp serving a 38-county area, and serves more than 1,500 girls every summer plus outside visitors. The garden will include native species plantings to enhance habitat for pollinators, bees, and butterflies. The area will be constructed by girls attending summer camp and will add to the environmental learning experience for everyone. Environmental education and community impact are key focus areas for Camp Liberty programming. Garden construction will begin in spring 2018.



Pollinator project at Franklin Elementary School, Fall 2017.



# Wednesday, September 13

## 1:00 P.M. WELCOMING REMARKS: MISSISSIPPI RIVER HALL

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**Kraig McPeck, U.S. Fish & Wildlife Service Rock Island Field Supervisor**

**Brian Ritter, Nahant Marsh Executive Director**



## 1:30-2:20 P.M. CONCURRENT SESSIONS

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**Bees, Butterflies, and Beyond: Wapsipinicon-Des Moines Room (1st Floor)**

**“Native Bees of Prairie Ecosystems and Their Role as Pollinators of Native Plants”**

**Heather Holm, Author of Pollinators of Native Plants and Bees**

*Learn about the nesting habitat, life cycle, pollen collection, foraging behavior, and general characteristics of common genera of native bees in prairie ecosystems. This presentation examines the pollination of native plants and the mutualism between native plants and bees. It includes the presentation of floral resources and the influence of bees’ physical characteristics on their effectiveness as pollinators.*

**Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

**“Pollinator and Beneficial Insect Habitat in Wetland Ecosystems”**

**Jennifer Anderson-Cruz, State Biologist, USDA Natural Resources Conservation Service in Illinois**

*Wetland ecosystems are prime habitat for pollinators and beneficial insects—organisms that greatly influence the ecological functions and services provided by today’s working landscapes. The importance of preserving and restoring wetland habitat will be discussed, including the effects of habitat size, plant diversity and selection, planting methods, and habitat management.*

**Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

**“Vegetation Management and the Pollinator Dilemma”**

**Stephanie Dobbs, Roadside Maintenance Manager, Illinois Department of Transportation (IDOT)**

*Successful vegetation management of right-of-way is a challenge. It needs to be done in a manner that ensures motorist safety, controls noxious and invasive weeds, and provides habitat for the monarch butterfly, rusty patched bumblebee, and other pollinators. This presentation explains IDOT’s newly created Operation Habitat—a program to investigate opportunities to create, preserve, or protect habitat areas on right-of-way; document the vegetation management changes made to date; and describe the department’s future plans and uses of right-of-way as habitat.*

## 2:30-3:20 P.M. CONCURRENT SESSIONS

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**Bees, Butterflies, and Beyond: Wapsipinicon-Des Moines Room (1st Floor)**

**“Using IPM to Reduce Impact on Pollinators in the Garden”**

**Dr. Donald Lewis, Professor and Extension Entomologist, Iowa State University**

*For over 50 years, the process of integrated pest management (IPM) has been promoted as a way to prevent unacceptable agricultural losses caused by pests and to protect the environment, which includes beneficial insects such as pollinators, wildlife, and of course, people. This presentation will review Iowa’s common pollinators and IPM tactics that can solve pest problems, while preserving pollinators as an important part of our ecosystem. As a result of attending this session, participants will: Recognize some of Iowa’s beneficial insects; Learn IPM methods and how to incorporate least toxic control alternatives in the garden; and Know actions gardeners can take to preserve and protect pollinators and other beneficial insects.*

**Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

**“Birds, Bees, and Trees”**

**Emily Swihart, East-Central Field Coordinator, Trees Forever**

*Trees are large pieces of infrastructure that provide a multitude of benefits. From tree top to deep roots, trees are life giving to creatures big and small. Saving us energy, cleaning our water, increasing community vitality, providing critical pollinator habitat, and more; trees are the life blood of our world. Join us as we explore the many ways in which trees help enhance our lives, help pollinators thrive, and learn the easy ways you can help.*

## **Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

### **“Farmer-Led Work on Pollinators and Pesticides”**

**Liz Kolbe, Horticulture Coordinator, Practical Farmers of Iowa (PFI)**

PFI’s “big tent” approach to farmer-led knowledge sharing and research provides a unique opportunity for farmers to discuss pollinators, habitat, and pesticides. Liz Kolbe will discuss two components of PFI’s work: farmer-led research projects about pollinators and habitat completed in PFI’s Cooperators’ Program, and collaborative work to raise awareness and elevate conversations about pesticide drift among farmers, applicators, and the public.

## **3:35-4:25 P.M. CONCURRENT SESSIONS**

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### **Bees, Butterflies, and Beyond: Wapsipicon-Des Moines Room (1st Floor)**

#### **“Regal Fritillary Butterflies and Their Habitat”**

**Dr. Paul Mayes, Emeritus Faculty-Biology, Muscatine Community College, Eastern Iowa Community Colleges**

Regal fritillary butterflies (*Speyeria idalia*) have been identified as an indicator species of quality prairie in preserves and natural areas. The host plants for the regal fritillary are violets, specifically birdsfoot violets (*Viola pedata*), purple (blue) prairie violets (*V. pedatifida*), and lance-leafed violet (*V. lanceolata*). One, two, or all of these three violets are found in the quality prairies that these butterflies inhabit. The regal fritillary has disappeared from much of its former range, probably due to habitat loss and specifically loss of host and nectar plants. Past, present, and plans for future management practices will be discussed for these and associated butterflies, plants, and their pollinators, and habitats.

### **Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

#### **“Wetland Bees: Can bees really live underwater and do they feed ducks?”**

**Wedge Watkins, Retired Wildlife Biologist and Retired Midwest Region Pollinator Coordinator, U.S. Fish and Wildlife Service**

In North America, native bees provide valuable ecosystem services, from high elevation alpine meadows to the sea level of coastal areas and Sonoran deserts. This presentation is designed to raise awareness of the important role played by native bees in wetland environments of the Midwest. Wetlands are typically associated with waterfowl, shorebirds, fish, amphibians, and a number of aquatic insects. This session will encourage you to think about the role of native bees and the relationships that they have with these wetland animals and the plants on which they depend.

## **Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

### **“Saving Pollinators One Garden at a Time”**

**Heidi Anderson, Naturalist, Polk County Conservation Board**

Polk County Conservation Board received a Resource Enhancement and Protection (REAP) Conservation Education Program grant to work with ten church [or faith-based] congregations to install native pollinator gardens at their places of worship. In addition to providing the garden designs and native plants, congregations are educated about pollinators and encouraged to plant native pollinator plants at home. Learn how the project came together and how the gardens are doing, a year and a half after planting.

## **4:30–5:30 P.M. COCKTAIL HOUR: FIGGE ART MUSEUM**

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225 W 2nd Street, Davenport, IA 52801

See map on page 14. Cash bar with complimentary appetizers.

Last call at 5:30 p.m.



## 6:30 P.M. KEYNOTE ADDRESS: MISSISSIPPI RIVER HALL

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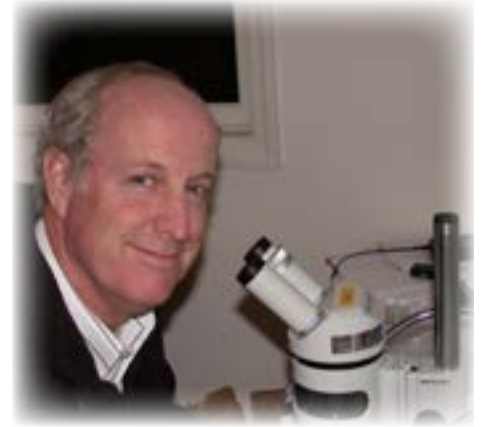
(dinner service begins at 6 p.m.)

### “Networks for Life: Your Role in Stitching the Natural World Together”

**Dr. Douglas Tallamy, Author of *Bringing Nature Home***

*Biodiversity is essential to sustaining human societies because it is other living things that run our ecosystems. Yet, throughout the U.S., we have fragmented the habitats that support biodiversity by the way we have landscaped our cities, suburbs, and farmland. This is a problem because isolated habitats cannot support populations large enough to survive normal environmental stresses. We can reconnect viable habitats by expanding existing greenways, building riparian corridors, and by changing the landscaping paradigm that dominates our yards and corporate landscapes. Replacing half the area that is now in barren lawns with plants that are best at supporting food webs would create over 20 million acres of connectivity and go a long way toward sustaining biodiversity in the future. How we landscape today will determine what life looks like tomorrow.*

Douglas Tallamy is currently a Professor and Chair of the Department of Entomology and Wildlife Ecology at the University of Delaware in Newark, Delaware, where he has taught insect taxonomy, behavioral ecology, and other subjects. Chief among his research goals is to better understand the many ways insects interact with plants and how such interactions determine the diversity of animal communities. Douglas won the Silver Medal from the Garden Writer's Association for his book, *Bringing Nature Home*.



Dr. Douglas Tallamy

## Thursday, September 14

### 8:00 A.M. PASTRIES AND FRUIT AVAILABLE IN ATRIUM

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Use this opportunity to visit sponsor or exhibitor booths you may have missed on day one.

### 8:30-9:20 A.M. CONCURRENT SESSIONS

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**Bees, Butterflies, and Beyond: Wapsipicon-Des Moines Room (1st Floor)**

“Urban Monarch Conservation: Why it Matters and Tools to Help You Create Habitat!”

**Erika Hasle, Conservation Ecologist, Keller Science Action Center, The Field Museum**

**Kristen Shaw, Urban Conservation Coordinator, Eastern Tallgrass Prairie Landscape Conservation Cooperative of the U.S. Fish and Wildlife Service**

*Ever wondered how important urban habitat is for monarchs and other pollinators, or how you can create habitat in the cities and towns in which you live? Join us to walk through the Urban Monarch Conservation Guidebook and Monarch's View of a City spatial mapping tools. These products were developed to support the efforts of passionate city planners and conservation leaders interested in identifying the best places and methods to create people-and-pollinator-friendly habitat. Explore examples of how other cities could apply the tools and learn how you could use it in your hometown to make a difference for pollinators!*

**Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

“Native Trees and Woodlands: The Other Side of the Pollinator Story”

**Lisa Louck, District 5 Forester, Iowa Department of Natural Resources**

*You know about the monarchs and the prairies, but do you know about the oaks? This presentation will outline the importance of native trees and woodlands for our native pollinators. We will explore the ways that individual trees and entire forests play a vital role in the pollinator life cycle, and also simple things that can be done to encourage improved habitat for the essential insects we depend on for so much.*

## **Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

### **“Agroforestry and Pollinators”**

**Jeff Jensen, Northwest Iowa Field Coordinator, Trees Forever**

*Agroforestry is the marriage between agriculture and forestry, encompassing the principle of the right plant, right place, for the right purpose. It consists of five primary practices that provide multiple benefits for the farmer/landowner, as well as society as a whole. Learn about the practices and crops of agroforestry, the impacts on pollinators, and how this underutilized land management strategy can provide a wide range of benefits to all of us.*

## **9:30-10:20 A.M. CONCURRENT SESSIONS**

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### **Bees, Butterflies, and Beyond: Wapsipinicon-Des Moines Room (1st Floor)**

#### **“Climate Change Impacts on Pollinators in the Midwest”**

**Ray Wolf, Science and Operations Officer, NOAA/National Weather Service**

*Compelling evidence of a warming climate has been observed globally and is projected to continue through the rest of the century. The changing climate impacts ecosystems around the globe. This presentation will address those impacts observed in the Midwest and discuss ramifications for pollinators and the plant species they pollinate, focusing on what is and is not understood about synchrony between the two.*

### **Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

#### **“Why Quail Habitat Benefits Pollinators and Other Wildlife”**

**Scott James, Farm Bill Wildlife Biologist, Pheasants Forever and Quail Forever**

*Pheasants Forever (PF) and Quail Forever (QF) and its biologists are dedicated to the conservation of wildlife through habitat improvements, public awareness, and education. Scott will explain the ecological principles of quail habitat and how it benefits multiple species. He will also provide real-world examples of successful quail habitat projects with side benefits and discuss how the audience can make a difference for quail, pollinators, and upland wildlife.*

## **Crafting Conservation: Ohio-Illinois Room (2nd Floor)**

### **“Pollinator Pocket Gardens”**

**Martha Smith, Horticulture Educator, University of Illinois Extension**

*Do your part to save the pollinators—the bees, butterflies, moths, and other insects critical to our food supply and human survival. You may not realize that manicured lawns, exotic plantings, and enticing hybrids and cultivars often provide no value to pollinators. Plant a “pocket” of flowers that attract and nurture pollinators in your own yard. Garden designs will be discussed for small spaces, which are easy to plant and maintain. By placing pollinator pockets into your landscape, you provide an oasis for pollinators.*



**After this session, don't forget to buzz by the registration table to see if you are a door prize winner!**

## **10:35-11:25 A.M. CONCURRENT SESSIONS**

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### **Bees, Butterflies, and Beyond: Wapsipinicon- Des Moines Room (1st Floor)**

#### **“Rusty Patched Bumble Bee”**

**Kristen Lundh, Biologist, U.S. Fish and Wildlife Service**

*Learn more about the federally endangered rusty patched bumble bee (*Bombus affinis*). During this presentation you will learn about the life history of the rusty patched and what the Service is doing to help recover this species. Many of the rusty patched bumble bee populations have been detected in suburban landscapes as well as natural areas. The session will cover the habitat needs for this species, what landowners and backyard gardeners can do to improve or provide habitat on their property, and tips on how to identify the rusty patched bumble bee.*

### **Woodlands and Wetlands: Missouri-Iowa Room (1st Floor)**

#### **“The Iowa Monarch Butterfly Flyways Project: Restoring Pollinator Habitat Through Partnerships”**

**Doug Helmers, Iowa Private Lands Coordinator, U.S. Fish and Wildlife Service (FWS)**

*A coalition of public and private land conservation/restoration organizations have joined together to develop a*



coordinated program to establish a series of restorations, from the southern to northern borders of Iowa in central and western Iowa. These Butterfly Flyways for Monarch Butterflies and other pollinators spans a broad I-35 Corridor and a Loess Hills Corridor, with the establishment of large core areas and smaller satellite sites. The organizations involved include: Iowa Department of Natural Resources, Iowa Natural Heritage Foundation, Iowa Chapter of The Nature Conservancy, Pheasants Forever, FWS, multiple County Conservation Boards, and private landowners.

### **Crafting Conservation: Ohio-Illinois Room (1st Floor)**

#### **“Pollinators—Coming Soon to an Iowa Roadside Prairie Near You?”**

**Brian Burkholder, Roadside Vegetation Specialist, Scott County Secondary Roads Department**

**Chris Henze, Roadside Vegetation Manager and County Weed Commissioner, Johnson County Secondary Roads Department**

**Mark Pingnot, Program Assistant, Iowa DOT Living Roadway Trust Fund**

Brian, Chris, and Mark will discuss the role that roadside rights-of-way play in providing pollinator habitat, while explaining other factors roadside managers face in making decisions regarding vegetation management. Their perspectives range from a county that is building an Integrated Roadside Vegetation Management (IRVM) program, to an established county IRVM program, to efforts that occur in other counties and on a state-wide level. Through an IRVM approach to roadside vegetation management, people, plants, and pollinators can (and do) coexist, allowing multiple benefits to be realized simultaneously for our safety, weed control, and pollinator habitat.

### **11:30-12:45 P.M. LUNCH ON YOUR OWN**

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See map on page 14 for suggested restaurants close by.

### **1:00-4:00 P.M. POST-CONFERENCE WORKSHOPS** (included with registration cost)

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#### **Option #1: Citizen Science Surveying for the Rusty Patched Bumble Bee at Loud Thunder Forest Preserve in Rock Island, IL.**

Due to limited parking, bus transportation is provided. The bus departs promptly at 1 p.m. from the Florian Keen Parking Lot, 600 W. River Drive, Davenport, IA 52801 (see map on page 14). The bus will return to this lot at 4 p.m. Come dressed in outdoor clothing with comfortable hiking shoes for walking.

Learn how to improve your habitat for bumble bees and get out in nature with this session led by Kristen Lundh from the U.S. Fish & Wildlife Service. Transportation will be provided to a nearby prairie to look for bumble bees and talk about bumble bee habitat. Specifically, the group will look to spot the rusty patched bumble bee, which was listed as endangered under the Endangered Species Act on March 21, 2017. This marked the first time in the history of the continental United States that a bee species was included under federal protection. Because of such, habitat restoration and improvement is important to this species' recovery.

#### **Option #2: Pollinator Tour at Wallace's Garden Center in Bettendorf, IA.**

With ample parking, attendees are encouraged to use their own transportation (See directions on page 14).

Wallace's has always been in the business of helping pollinators, but turned it up a notch about five years ago when they planted an apple orchard, under planted it with clover, and brought in some bee hives. Tour the Bettendorf location with resident bee keeper and orchardist, Ron Fischer, where you will visit the greenhouse and orchard (with apples literally ripe for the picking) and also see their field of 12,000 mums in production. After the tour, attendees are free to shop and speak with employees. Fischer was a favored presenter at the 2016 Quad Cities Pollinator Conference. Aside from beekeeping, he also helps to raise the thousands of perennials, roses, trees, and shrubs that are grown in the nursery at Wallace's, and does seminars every winter on bee keeping, cooking with honey, and the plight of bees.

### **PLEASE RECYCLE NAME BADGES**

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At the end of the conference, please return your name badge to a conference staff person so that we may use it for future events. Doing so will earn you honey candy!

## SPEAKER BIOGRAPHIES

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**Heidi Anderson** is a Naturalist with Polk County Conservation Board. Over the last 20 years, she has educated thousands of people about our natural resources through educational programming, radio, television, newspaper articles, and social media. Heidi graduated from Iowa State University with a B.S. in Fisheries and Wildlife Biology. Heidi and her family live on an acreage near Madrid, Iowa where they raise chickens, ducks, rabbits, and pigs. When she's not hauling her 13- and 10-year old children to activities, she enjoys gardening and hiking.

**Jennifer Anderson-Cruz** has served as a state office Biologist for the USDA Natural Resources Conservation Service in Iowa, Georgia, and Illinois since 2002. Previously, Jennifer served as a Watershed Coordinator for the Muscatine County Soil and Water Conservation District and as a Naturalist for the Nahant Marsh Education Center in Davenport, Iowa. Jennifer holds a B.S. in Environmental Science from Marycrest International University, an M.S. in Biology from Western Illinois University, and studied community and landscape ecology at Iowa State University.

**Brian Burkholder** has lived in Davenport most of his life. He is new to his position with Scott County, having joined in May 2017. For ten years prior, he worked at Public Works/Sewers and Natural Resources for the city of Davenport where he oversaw storm water system inspections on outfalls, inlets, creeks, detention basins, bio cells, rain gardens, and native areas. He also worked with the department to install erosion protection, bio cells, rain gardens, and prairies, and did several creek bank stabilization projects. Brian was in charge of identifying and removing invasive plants throughout Davenport and for mapping out the city's structure in their computer system. His hobbies are fishing, enjoying time with family/friends, home improvements, and tinkering with anything to fix.

**Stephanie Dobbs** is the Roadside Maintenance Manager for IDOT and is responsible for oversight of 330,000 acres of right-of-way vegetation management statewide. She is the chair of the Operations Pollinator Task Force, Co-Chair and founder of IDOT's Right-of-Way as Habitat committee, and Leader of IDOT's Operation Habitat campaign. Stephanie is a Right-of-Way Sector Group Leader with the Illinois Monarch Project and a member of the Mid-America Monarch Conservation Strategy ROW Technical Work Group. She is also responsible for oversight of 33 interstate rest areas spread across nine districts statewide. Her educational background includes degrees in Agriculture Business and Civil Engineering Technology; she is an ISA-Certified Arborist and a mom.

**Erika Hasle** is a Conservation Ecologist with the Field Museum's Keller Science Action Center. Erika brings her background in both ecology and Geographic Information Systems (GIS) to the Action Center's Chicago Region Conservation Programs. Recent projects include using GIS to support habitat stewardship in the Kankakee Sands Ecoregion, and conservation planning for monarch butterflies in urban areas. Erika has a B.S. from Roger Williams University and an M. S. in Terrestrial Ecosystems from the University of Michigan.

**Doug Helmers** is the Iowa Private Lands Coordinator for the FWS in Prairie City, Iowa. He manages the Partners for Fish and Wildlife Program for the FWS in Iowa. Doug serves on the Monarch Conservation Partnership and Iowa Monarch Conservation Consortium. Prior to working for FWS, he was with the Natural Resources Conservation Service in Missouri. He has lived in Iowa for nine years. Doug and his wife, Amanda, are in the process of restoring a 150-year old brick home and 65 acres of prairie in Chariton County, Missouri.

**Chris Henze** is the Roadside Vegetation Manager and County Weed Commissioner for Johnson County Secondary Roads Department in eastern Iowa. Chris has been managing noxious weeds and invasive species in roadsides for nearly 20 years, along with being in charge of the Integrated Roadside Vegetation Management (IRVM) program. He conducts prescribed burns, plants native grasses and wildflowers in roadsides, and installs erosion controls. Chris is also chairperson of the Hawkeye Cooperative Weed Management Area, and is active in grant activities as well as invasive species management and educational efforts. He lives in eastern Iowa and stays busy officiating football and softball games, and occasionally gets to sneak out and spend some time hunting or trying to snag a fish.

**Heather Holm** is a horticulturist and biologist by training, as well as a writer, designer, and publisher. Heather has written for Houzz (a social media website) about pollinators, beneficial insects, and native plants. Her first book, *Pollinators of Native Plants*, was published in 2014 and established her as a knowledgeable resource on the subject

of the interactions between native bees and native plants. In addition to taking part in native bee research projects, she informs and educates audiences in the Midwest and Northeast, through her writing and many presentations, about the fascinating world of native bees and the native plants that support them. In her most recent research project, she assisted University of Minnesota Extension faculty in a two-year study to determine the types of native bees present in cultivated blueberry farms in Minnesota and Wisconsin. The study included developing customized plans to enhance and expand both forage crops and nesting sites within the farms.

**Scott James** grew up in the Quad Cities and graduated from Southern Illinois University with a B.S. in Zoology. In early 2012, Scott was hired as a Farm Bill Wildlife Biologist with Pheasants Forever-Quail Forever (PF-QF) in southeastern Missouri. In mid 2015, he became a PF-QF Farm Bill Wildlife Biologist in northwestern Illinois. Scott helps farmers and landowners create and manage wildlife and pollinator habitat daily. In his free time, he enjoys outdoor recreation, traveling, and training his yellow lab.

**Jeff Jensen** is Program Manager for Trees Forever's Working Watersheds: Buffers and Beyond program in Iowa, and is a Field Coordinator for Northwest Iowa. He has a B.A. in Communication Studies and has worked in the field of sustainable agriculture for several years. Jeff is also a little nutty, being active with the Iowa Nut Growers Association, Minnesota Hazelnut Foundation, and Upper Midwest Hazelnut Development Initiative (UMHDI). He grows and markets hazelnuts from the family farm in northern Kossuth County.

**Liz Kolbe** is the Horticulture Coordinator for PFI, a farmer-led nonprofit organization based in Ames. Liz works with fruit and vegetable farmers, focusing on Cooperators' Program research, organizing farmer-led events, and pesticide drift issues. A native of Grinnell, Iowa, Liz received her B.A. in Environmental Science at The Colorado College and earned her M.S. in Environmental Science with a specialization in Agroecosystem Science at Ohio State University. She also serves on the Board of Directors for W heatsfield Co-op in Ames, Iowa.

**Dr. Donald Lewis** is a Professor and Extension Entomologist with the Iowa State University Department of Entomology. Dr. Lewis is responsible for outreach education on insect pest management in turfgrass, trees and shrubs, fruit, vegetables, and households.

**Lisa Louck** grew up in Moline, Illinois and attended Southern Illinois University-Carbondale to obtain her B.S. in Forestry. She is a Forester for District 5 and has been with the Iowa Department of Natural Resources since 2005. As part of a U.S. Forest Service grant, she co-authored a document about the importance of trees and woodlands for pollinators. Lisa has had the opportunity to learn more and educate others about the value our forests contribute to the pollinators. Lisa lives in Burlington, Iowa with her husband and 2-year old son, and takes every opportunity to enjoy the outdoors with her family.

**Kristen Lundh** has worked as a Fish and Wildlife Biologist for the U.S. Fish and Wildlife Service (FWS) for the past 15 years. For the past four years she has served as the Threatened and Endangered Species Coordinator for the Illinois-Iowa Ecological Services Field Office. Over her 15-year career, Kristen has gained valuable experience and expertise in endangered species recovery planning and implementation, as well as listing and critical habitat decisions. Kristen is currently working on species status assessments for the rusty patched bumble bee, the spectaclecase mussel, and focusing on recovery actions for the eastern Massasauga rattlesnake. Kristen is a graduate of Iowa State University in Ames, Iowa, and a native of Corning, Iowa. Prior to her time with the FWS, Kristen served as a naturalist with Johnson County Conservation District.

**Dr. Mayes** studied Zoology at Southern Illinois University (B.S., M.S.) and the University of Iowa (Ph.D.). He taught at Muscatine Community College for 34 years. His research is in Population Ecology and Genetics of Insects. Dr. Mayes is currently studying pollinators and their interactions with host and nectar plants in the Mississippi Valley. He is conducting a Long-Term Ecological Research (LTER) project on these interactions at The Big Sand Mount Nature Preserve in Muscatine and Louisa Counties in Iowa.

**Mark Pingnot** is a naturalist and land manager who has focused on restoring and reconstructing Midwestern plant communities. As a consultant, his primary client is the Iowa Living Roadway Trust Fund at the Iowa



Department of Transportation, where he is responsible for providing statewide program management for its activities. Mark is a Certified Arborist and holds the Tree Risk Assessment Qualification (TRAQ). He serves as a Soil and Water Conservation District Commissioner in Benton County and on the County Conservation Foundation. With his family, he farms row crops and raises native trees and prairie plants near Vinton, Iowa.

**Kristin Shaw** is currently the Urban Conservation Coordinator for the Eastern Tallgrass Prairie Landscape Conservation Cooperative. Kristin earned her B.S. in Biology and Political Science from Morningside College, and her M.S. in Environmental Science and Masters of Public Affairs concentrating on Environmental Policy, Natural Resource Management, and Applied Ecology from Indiana University. She is passionate about creating green space and habitat that can be utilized and appreciated by both people and wildlife!

**Martha Smith** is a Horticulture Educator and has been with University of Illinois Extension since 1994. She earned a B.S. in Ornamental Horticulture from University of Illinois and an M.A. in adult education from Western Illinois University. Martha is a member of the Perennial Plant Association (having served six years as the central region director), Illinois Green Industry Association, North America Rock Garden Society, and American Conifer Society, and is a certified arborist. Her current responsibilities are to serve Henry, Mercer, Rock Island, and Stark counties in Illinois as Horticulture Educator. She coordinates and teaches both the Master Gardener and Master Naturalist trainings in her unit and offers various programs across the state, which protect the environment, including beneficial insects such as pollinators, wildlife, and of course, people.

**Emily Swihart** holds a B.S. in Horticulture and an M.S. in Landscape Architecture. She helps communities plan, organize, obtain funding, and implement landscape improvement projects. Emily manages and provides design services for Trees Forever's Iowa's Living Roadways' Trails Visioning program. As an avid outdoorswoman, Emily enjoys exploring trails, biking, and gardening. She is also a passionate lifelong learner who loves to read and travel.

**Wedge Watkins** was born and raised in the Quad Cities. He graduated with a B.S. in Zoology/Wildlife Management from Southern Illinois University-Carbondale. Wedge also has an M.A. in Teaching from Columbia College. Recently retired, Wedge had been at Big Muddy National Fish and Wildlife Refuge in Columbia, Missouri since 2005, where he was also the Midwest Regional Pollinator Coordinator. There he provided biological input for the acquisition and management of land for the refuge, and was involved in the design, implementation, and monitoring of restoration activities.

**Ray Wolf** is the Science and Operations Officer for NOAA National Weather Service (NWS) in Davenport, Iowa. He is responsible for managing weather, water and climate operations, staff training, and local research. Prior to arriving in Davenport in 1994, Ray was a forecaster at the NWS office in Denver, Colorado where he evaluated new forecast and warning science and technologies that formed the basis of the NWS modernization. He also served as an agricultural forecaster in the Midsouth, supporting farmers and producers in the region with weather and climate information. Ray received an M.S. in Agricultural Climatology in 1985, studying insect-weather interactions, and a B.S. in Meteorology in 1982, both from Iowa State University.



2016 Monarch Release Party. Photo by Julie Malake

## SEPTEMBER 16 MONARCH RELEASE PARTY

As a continuation of the week emphasizing the importance of pollinators, Nahant Marsh will be hosting a Monarch Release Party on Saturday, September 16, with special guest, Iowa Honey Queen, Carly Vannoy. The FREE event runs from 10 a.m.-12:30 p.m. at 4220 Wapello Avenue, Davenport, Iowa 52802.

Throughout the morning, guests will be able to assist with feeding and tagging the monarchs for the Monarch Watch Citizen Science program. Other education stations and pollinator-related activities will be available until the 200 monarchs are released at noon. Although this is a free event, donations are always appreciated.

## SPONSOR AND EXHIBITOR BOOTH LOCATIONS

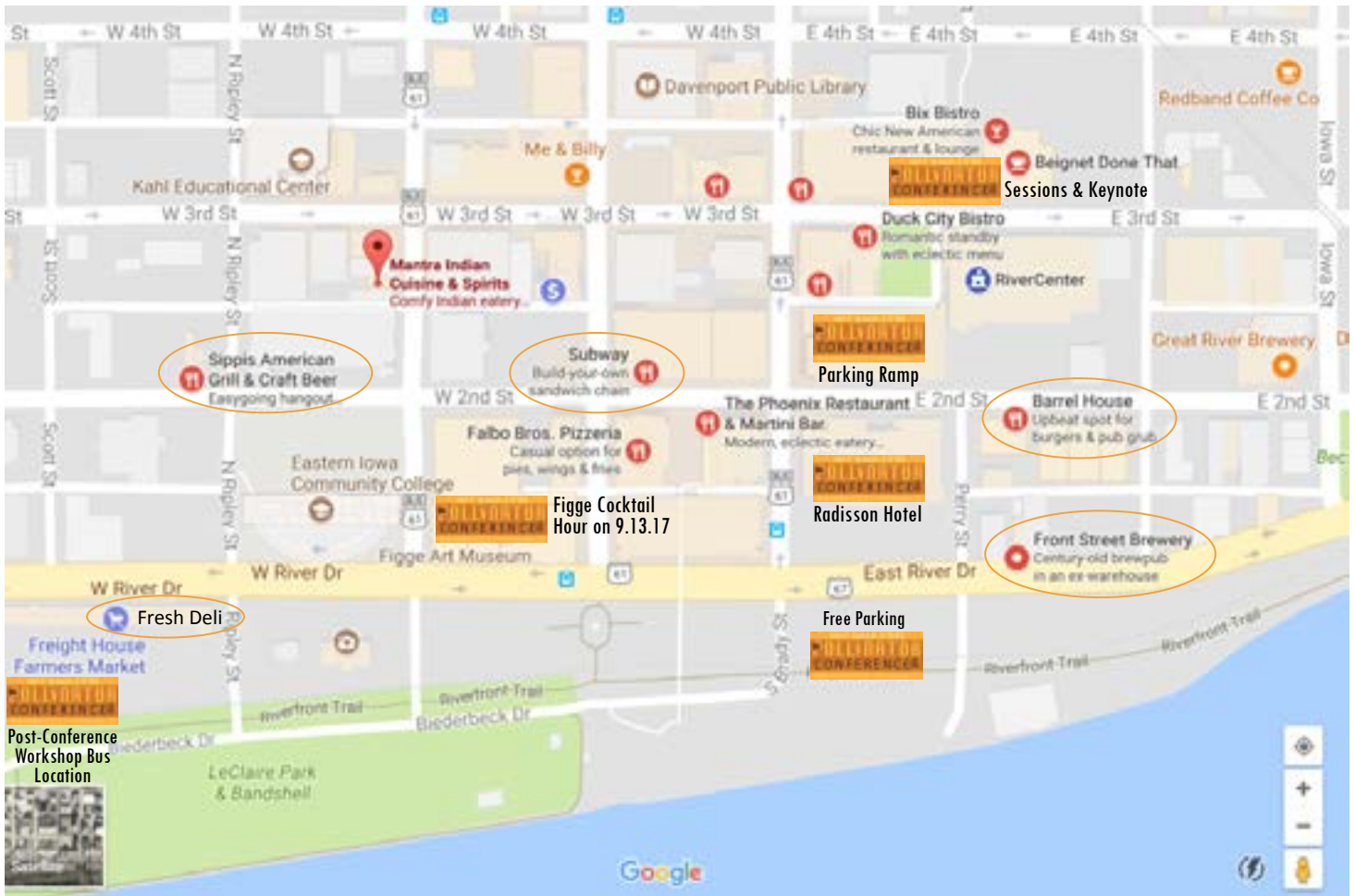
American Farmland Trust	1st Floor Hallway
Blank Park Zoo	2nd Floor Hallway
Center for Energy & Environmental Education, UNI	2nd Floor Hallway
Davenport Public Works	1st Floor Hallway
Figge Art Museum	1st Floor Hallway
Honey Bee Health Coalition	2nd Floor Hallway
Illinois Farm Bureau	1st Floor Hallway
Integrated Roadside Vegetation Management	Atrium
Iowa Natural Heritage Foundation	1st Floor Hallway
Iowa State University Extension	2nd Floor Hallway
Milkweed Matters	2nd Floor Hallway
Nahant Marsh	Atrium
Niabi Zoo	1st Floor Hallway
Pheasants Forever/Quail Forever	Atrium
Quad Cities Food Hub	2nd Floor Hallway
Rock Island Soil and Water Conservation District	Atrium
Save Our Monarchs	2nd Floor Hallway
Sustainable Iowa Land Trust	2nd Floor Hallway
Syngenta	1st Floor Hallway
The Pollen Path	2nd Floor Hallway
Trees Forever	Atrium
University of Illinois Extension	2nd Floor Hallway
USDA Natural Resources Conservation Service	1st Floor Hallway
U.S. Fish & Wildlife Service	Atrium
Walcott Trust and Savings Bank	1st Floor Hallway
Wallace's Garden Center	Atrium
WQPT	1st Floor Hallway
WVIK	1st Floor Hallway







## CONFERENCE POINTS OF INTEREST AND DOWNTOWN DAVENPORT EATERIES



### LUNCH RECOMMENDATIONS

#### BARREL HOUSE

211 E 2nd Street

*Relaxed atmosphere & selection of American cuisine.*

#### FRESH DELI BY NOSTALGIA FARMS

421 W River Drive

*Made from scratch soup, sliders, & sodas, using local ingredients.*

#### FRONT STREET BREWERY

208 E River Drive

*House beers & comfort food served in a century-old warehouse.*

#### LA FLAMA

114 Myrtle Street, F

*Mexican restaurant that also has quick "To Go" options. Close, but not on map. Take W River Drive west to Myrtle Street.*

#### SIPPI'S AMERICAN GRILL & CRAFT BEER

406 W 2nd Street

*Laid-back, brick-walled American tavern with many beers, a cozy fireplace, & outdoor seating.*

#### SUBWAY

124 W 2nd Street

*Casual counter-serve chain for build-your-own sandwiches & salads.*

### DRIVING DIRECTIONS TO POST-CONFERENCE WORKSHOPS

#### POST CONFERENCE WORKSHOP #1: BUS PICKUP AT FLORIAN KEEN PARKING LOT

**600 West River Drive, Davenport, IA 52801**

Entrance is a left turn from West River Drive and Western Avenue

*(Two blocks west of Ripley Street)*

#### POST CONFERENCE WORKSHOP #2: WALLACE'S GARDEN CENTER

**2605 Devils Glen Road, Bettendorf, IA 52722**

*Directions if parked in the River Center Ramp, 102 East 2nd Street:*

Head east on East 2nd Street toward North Perry Street for 0.2 miles.

Turn right onto Iowa Street for 246 feet.

Turn left onto East River Drive. Continue for 2.8 miles.

Continue onto State Street for 0.1 miles.

Keep left to stay on State Street for 2.0 miles

Turn left onto Devils Glen Road. Travel for 1.4 miles.

Wallace's Garden Center will be on the right.

*Directions if parked in the FREE Riverfront Trail Parking Lot, 100 East River Drive:*

Turn right onto East River Drive. Travel for 3 miles.

Continue onto State Street for 0.1 miles.

Keep left to stay on State Street for 2.0 miles.

Turn left onto Devils Glen Road. Travel for 1.4 miles.

Wallace's Garden Center will be on the right.

**WEDNESDAY, SEPTEMBER 13, 2017**

1:00-1:20 p.m.	Welcoming Remarks • Mississippi River Hall		
	<b>BEES, BUTTERFLIES, AND BEYOND TRACK</b> • Wapsipinicon-Des Moines Room (1st Floor)	<b>WOODLANDS AND WETLANDS TRACK</b> • Missouri-Iowa Room (1st Floor)	<b>CRAFTING CONSERVATION TRACK</b> • Ohio-Illinois Room (2nd Floor)
1:30-2:20 p.m.	Heather Holm, "Native Bees of Prairie Ecosystems and Their Role as Pollinators of Native Plants"	Jennifer Anderson-Cruz, "Pollinator and Beneficial Insect Habitat in Wetland Ecosystems"	Stephanie Dobbs, "Vegetation Management and the Pollinator Dilemma"
2:30-3:20 p.m.	Dr. Lewis, "Using IPM to Reduce Impact on Pollinators in the Garden"	Emily Swihart, "Birds, Bees, and Trees"	Liz Kolbe, "Farmer-Led Work on Pollinators and Pesticides"
3:35-4:25 p.m.	Dr. Paul Mayes, "Regal Fritillary and Their Habitat"	Wedge Watkins, "Wetland Bees: Can bees really live underwater and do they feed ducks?"	Heidi Anderson, "Saving Pollinators One Garden at a Time"
4:30 p.m.	Cocktail Hour (appetizers with cash bar) • Figge Art Museum, 225 W 2nd Street (see map on page 14)		
6:00 p.m.	Dinner Service Begins • Mississippi River Hall		
6:30 p.m.	Dr. Doug Tallamy Keynote, "Networks for Life: Your Role in Stitching the Natural World Together" followed by Q & A Session		

**THURSDAY, SEPTEMBER 14, 2017**

8:00 a.m.	Pastries and Fruit Available and Sponsor/Vendor Booths Open		
	<b>BEES, BUTTERFLIES, AND BEYOND TRACK</b> • Wapsipinicon-Des Moines Room (1st Floor)	<b>WOODLANDS AND WETLANDS TRACK</b> • Missouri-Iowa Room (1st Floor)	<b>CRAFTING CONSERVATION TRACK</b> • Ohio-Illinois Room (2nd Floor)
8:30-9:20 a.m.	Kristin Shaw and Erika Hasle, "Urban Monarch Conservation: Why the Places we Live Matter to Monarchs"	Lisa Louck, "Native Trees and Woodlands: The Other Side of the Pollinator Story"	Jeff Jensen, "Agroforestry and Pollinators"
9:30-10:20 a.m.	Ray Wolf, "Climate Change Impacts on Pollinators in the Midwest"	Scott James, "Why Quail Habitat Benefits Pollinators and Other Wildlife"	Martha Smith, "Pollinator Pocket Gardens"
10:35-11:25 a.m.	Kristen Lundh, "Rusty Patched Bumble Bee"	Doug Helmers, "The Iowa Monarch Butterfly Flyways Project: Restoring Pollinator Habitat Through Partnerships"	Brian Burkholder, Chris Henze, and Mark Pingnot, "Pollinators--Coming Soon to an Iowa Roadside Prairie Near You?"
11:30-12:45 p.m.	Lunch on Your Own (see recommendations on page 14)		
1:00-4:00 p.m.	<b>POST-CONFERENCE WORKSHOP OPTION 1: Citizen Science Surveying for the Rusty Patched Bumble Bee</b> with Kristen Lundh at Loud Thunder Forest Preserve. Transportation provided. Please meet the bus at the Florian Keen Parking Lot. See map on page 14.	or	<b>POST-CONFERENCE WORKSHOP OPTION 2: Wallacen's Garden Center Pollinator Tour</b> with Ron Fischer. Transportation not provided. See directions on page 14.

**Conference Presentations**

The views and opinions of the presenters at the conference are solely theirs and not those of the conference organizers.