



## IAN Fall Workshop 2018

Nov. 7<sup>th</sup> - 9<sup>th</sup>, 2018

Hosted by Black Hawk County Conservation

Hartman Reserve Nature Center

657 Reserve Drive, Cedar Falls, Iowa 50613



### Wednesday, November 7th, 2018 - Offsite and Extended Learning Sessions

#### Option 1: Auto Tour: Conservation Efforts along the Wapsipinicon River

**Presenter:** Vern Fish, retired Naturalist and Conservation Board Director for Black Hawk County and Dan Cohen, Director of Buchanan County

**Cost:** Free      **Time:** 12:30 - 6:00 p.m.      **Category:** I & II

**Location:** Meet at Hartman Reserve Nature Center - Depending on the number of people, carpooling in a BHCCB vehicle may be available.

Join these naturalists turn directors as you get out and explore the unique riparian habitats along the Wapsi River. The Wapsipinicon River is surrounded by conservation-protected property in both Black Hawk County and Buchanan County. Make sure to dress appropriate for the weather and bring binoculars.

#### Option 2: Project Archaeology Workshop – Investigating Shelter

**Presenter:** Gail Barels, Conservation Education Specialist, Linn County Conservation Department

**Cost:** \$20.00 - See Below      **Time:** 12:00 – 5:00 p.m.      **Category:** I & II

**Location:** Community Room at Hartman Reserve Nature Center

I am sure everyone is acquainted with Project WILD, Aquatic WILD and Project Learning Tree. Project Archaeology is an additional educational organization dedicated to teaching scientific and historical inquiry, cultural understanding, and the importance of protecting our nation's rich cultural resources. Project Archaeology gives students a basic understanding of how archaeology works and teaches them to respect and protect our nation's rich cultural heritage.



Built on the Understanding by Design curriculum model, Project Archaeology: Investigating Shelter is a complete archaeological investigation of a shelter site through nine lessons and a final performance of understanding. Students learn the fundamentals of archaeological inquiry and conduct their own investigation of an archaeological site through maps, artifact drawings, oral histories, and historic photographs. There is less emphasis on the traditional "dig" activities and more on higher level thinking skills. All activities are based on National CORE Standards.

This session will go through the Investigating Shelter book, plus additional shelter activities related to Iowa's historic inhabitants. The first, Investigating a Midwest Wickiup, will be appropriate for nearly all naturalists in Iowa. The second, Investing a Pawnee Earthlodge, will be great for Western Iowa naturalists in the Loess Hills area. You can choose which books you would like to purchase. The \$20.00 registration fee will include the Investigating Shelter. Each regional book will cost an additional \$10.00.

Or just register for the session and receive your Investigating Shelter book for \$20 and following the workshop, download all the regional booklets you would like as you will receive a discounted purchase code from Project Archaeology. **\*\*NOTE: Gail will need to order these books so that participants have them at the time of the pre-session. That means that if you're interested in this pre-session, please register, at the latest, by the registration deadline for the conference.**

Project Archaeology Investigating Shelter \$20.00 included in session

Project Archaeology A Midwest Wickiup \$10.00 additional cost

Project Archaeology A Pawnee Earthlodge \$10.00 additional cost

### **Option 3: "Pieces and Parts" Taxidermy**

**Presenter:** Mike Stegmann, Director of the Marshall CCB

**Cost:** Free      **Time:** 1:00 - 5:00 p.m.      **Category:** I & II

**Location:** Learning Lab at Hartman Reserve Nature Center

Mike Stegmann, Director of the Marshall CCB will present a hands on session on how to preserve pieces of animals (birds) that can be used for EE programming. Each participant will be provided a duck wing to learn on and foot injections will be demonstrated. Additional taxidermy techniques and tools will be demonstrated. Attendees should plan on bringing their own scalpels (no. 10 preferred) available at farm stores in the vet sections. Preservatives, rubber gloves and duck wings will be provided. Handouts on taxidermy supplies will be available.



### **Special Wednesday Night Activity – starts at 6:00 pm**

Join us at Singlespeed Brewing in Waterloo for dinner and drinks! There will be a brief presentation by a member of CVA (Cedar Valley Association of Soft Trails). They will speak about their partnership with Black Hawk County Conservation and other government and local agencies to provide high-quality recreational opportunities for members of the community. After the brief presentation, feel free to stay for food, drinks and trivia! Trivia begins at 7:00 p.m.! Go Team NonNaturalist!

**Thursday, November 8, 2018**

**Breakfast at the hotel**

**All sessions at Hartman Reserve Nature Center**

**8:00 - 8:30 - Registration**

**8:30 - 9:00 - Welcome, Announcements, Introductions in the Community Room**

### **Clarion Inn**

5826 University Avenue

Cedar Falls, Iowa 50613

319-277-2230 - Room Rate: \$65 + tax

To book a room please call

319-277-2230 or click this link:

[WWW.CHOICEHOTELS.COM/RESERVATIONS/GROUPS/CH84W7](http://WWW.CHOICEHOTELS.COM/RESERVATIONS/GROUPS/CH84W7)

This link will automatically give you the conference pricing.

**Lodging**

### **9:00\*\*/9:30 - 10:30 AM Concurrent Sessions**

#### **Stormwater Management Practices: Improving Water Quality in Our Urban Communities (Category I & II)**

**\*\* 9:00 - 10:30 a.m. - This is off-site, field trip-style**

**Josh Balk, Black Hawk County Soil & Water District**

Managing water runoff from our impervious areas in smarter and more efficient manners can not only protect water quality but can also help to reduce flooding. By mimicking our natural hydrologic cycle in innovative ways, we are helping to better conserve one of our most important natural resources: water! On this tour we will visit several examples of these urban conservation practices including permeable pavement, bioretention cell, stormwater wetland, and native prairie vegetation. Similar practices are hard at work during every rain event in communities throughout not only Iowa but also the United States and in many parts of the world, providing a more sustainable environment for all. Please meet at Hartman Reserve lobby at 9:00 a.m. if you're interested in attending this session.



**HerpMapper**

**9:30 - 10:30 a.m. Herp Update (Category I & II )**

**Don Becker, Director of Technology, HerpMapper, Creator of "WhatTheHerp"**

Don Becker will speak about mapping the distributions of reptiles and amphibians by harnessing the power of citizen science. Don will go into detail about other interesting herp-related projects and initiatives that are currently happening in Iowa. He will also introduce his new website HerpAtlas.org and the WhatTheHerp Initiative.

**9:30 - 10:30 a.m. Found: Connecting Self and Place Through Local, Natural Color (Category I & II)**

**Angela Waseskuk, Foundations Coordinator and instructor of art at the University of Northern Iowa**

As Hartman Reserve's 2018 Artist in Residence, Angela Waseskuk will share her experiences foraging for local plants at Hartman, Three Pines Farm, and UNI's Tall Grass Prairie Center to use for natural dyes. This search for wild color was not only about learning new skills, but was also about finding a deeper understanding of place and belonging through local ecology.

**10:30 - 11:00 a.m. - Break**

**11:00 a.m. - 12:00 p.m. Concurrent Sessions**

**Behind the Scenes Tour: Hartman Reserve Nature Center (Category II, III, & IV)**

**Jim Weimer/Kyle Bauch, Wildlife Conservationists, BHCCB**

Hartman Reserve Nature Center went through a partial construction and renovation project beginning in August of 2016. The exhibit area was completely renovated by BHCCB staff. Jim Weimer and Kyle Bauch will speak about the construction of the exhibits and the logistics that were undertaken to renovate the exhibit area, answer questions about aquarium installation, and other aspects of the new building.



## **Accessible Adventures: Utilizing Short-Term Loan for Recreational Activities (Category II & III)**

**Kim Karwal, Rural Rehabilitation and Assistive Technology Center Coordinator, Easter Seals Iowa**

This presentation will give participants with the opportunity to learn how one state project is attempting to promote inclusive activities. Kim will discuss the utilization of the Demonstration Center and Lending Library at Easter Seals Iowa Assistive Technology Program to support the inclusive engagement of individuals with disabilities in accessible adventures. Training, tracking, and Assistive Technology will be reviewed as they pertain to the staff practices and participant knowledge for each activity: fishing, kayaking/canoeing, rock climbing, outdoor mobilizing (walking, strolling, and running), yoga, gardening and camping.

## **Taking a likin' to Lichens (Category I & II)**

**John Pearson, Iowa DNR Ecologist**

Lichens are a diverse, but often overlooked element of biodiversity. This will be an introduction to how to recognize and understand the unique biology of these fascinating organisms. Learn where to find them and how to identify common lichens in Iowa. John will also cover the basic of how to educate the public about these unique organisms.



**12:00 - 1:00 p.m. - Lunch in Community Room - \$12.00**

**Carnivore: Cottonwood Canyon** - Grilled Cheese/Tomato Soup Food Truck

(Multiple gourmet grilled cheese sandwiches available. Click this [link](#) to see their menu.)

**Vegetarian/Gluten Free\*/Dairy Free: Greenhouse Kitchen** - Fajita Rice Bowl (buffet-style). \*This is a verified gluten-free kitchen.

## **1:00 - 2:30 p.m. Concurrent Sessions**

### **Summer Camp Roundtable (Category II & IV)**

This session is meant to be a time that Naturalists can gather and discuss Summer Camp ideas, logistics, supplies, legal forms/issues, registration, do's/don'ts, hazards and whatever else comes up!

### **Internship Panel and Roundtable (Category III & IV)**

Former interns Katy Cantin, Kyle Bauch, Courtney Grove and Michael Maas have been invited for a panel discussion about internship opportunities offered by County Conservation Boards. Each panelist has had experience interning at one or more County Conservation Boards and now has a permanent position at their respective Conservation Boards. Topics to be discussed include positive experiences, unique opportunities to offer, funding, and how to attract interns to apply for your Conservation Board.

### **Walk with an Ecologist (Category I & II)**

**John Pearson, Iowa DNR Ecologist**

Looking for an opportunity to get out and stretch your legs and get some fresh air. Join John for a walk around Hartman Reserves as he points out lichens and other plants found in the area.

### **2:30 - 3:15 p.m. - Break – Sidecar Coffee Truck**

Drip coffee will be available free to participants. They also will have their full menu, which includes espresso drinks, smoothies and assorted teas.



### **3:15 - 4:15 p.m. Concurrent Sessions**

#### **Working with Insect Collections and Identifying Insects (Category I & II)**

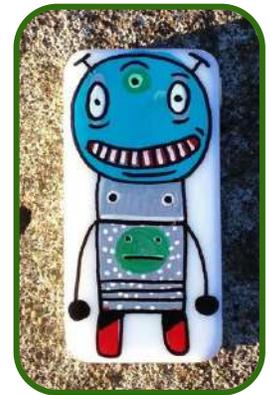
**Dr. Kirk Larsen, Professor of Biology and Entomologist at Luther College, Decorah, Iowa**

Dr. Kirk Larsen's primary teaching responsibilities include an Entomology course for biology majors, a non-majors lab science course titled Insects, Humans, and the Environment, and several other courses that are usually field/ecology related. His research focuses on insect biodiversity of tallgrass and hill prairies in extreme Northeast Iowa, and how management such as fire affects that diversity. His lab uses the Luther insect collection extensively to accomplish this work. This session will focus on the value of insect collections for teaching insect diversity, preparing specimens for an insect collection, how to identify those insects, and also what to do with donated collections.

#### **New ABCs: ACEs, Botjoy and Connections Matter (Category II & III)**

**Allison Rasmussen, Instructional Coach, Waverly-Shellrock Schools**

Working with children can prove rewarding and challenging. New research has given a new insight into ways we, as community members, can make an even more important and lasting imprint on our children's education, as well as, their health. This session will explain the research behind Adverse Childhood Experiences (ACEs), demonstrate how a non-judgmental, caring adult can improve a child's life expectancy (Connections Matter) and how a little paint on the backside of a domino can help start a conversation (Botjoy). We will be creating joy bots at the end of the session. No artistic skill necessary.



#### **Training Seasonal Staff (Category III & IV)**

**Mallory Machir, Education Community Programs Specialist, and Kaylee Baldwin, Animals Care and on site Program Specialist, Blank Park Zoo**

For many of us, volunteers and seasonal staff are a vital part of our programming but training them in a limited amount of time can be a challenge. During this session, Blank Park Zoo educators will discuss how we train seasonal staff and volunteers on animal handling, engaging guests, conducting interactive programs, and more!

#### **4:30 - 5:30 p.m. - IAN Business Meeting**

#### **5:30 p.m. - Dinner \$12.50 Starbeck's Smokehouse**

**Carnivore:** Choice of pulled pork, brisket, and turkey, side of mac/cheese, baked beans, mashed potatoes, and cornbread

**Vegetarian:** Smoked portabella cap, mac and cheese, mashed potatoes, and cornbread

**Dessert, Live and Silent Auction to follow**

Don't forget auction items!!! If you are not able to attend or want to send your auction item in advance, items can be dropped off or mailed to Hartman Reserve.

## Friday, November 9, 2018

### Breakfast at the hotel

#### 7:30 a.m. Early Bird Session

**Sunrise Yoga (6301 University Ave, Cedar Falls, IA 50613 – Across the street from Clarion Inn)**

**Sarah Beckman, New Dawn Yoga and Bremer County Conservation**

Sarah will lead an early morning yoga session at her yoga studio, New Dawn Yoga. You are encouraged to bring your own mat/blocks, but Sarah does have a limited amount available at the studio. If you're interested in this session, please indicate this on your registration.



#### 8:30 - 9:30 a.m. Concurrent Sessions

##### **Flowers of the Prairie (Category I & II)**

**Dr. Danuta Hutchins, Humanities of Iowa Speaker**

With a copy of the "Prairie and Woodland Flowers Coloring Book" as reference, this presentation identifies wildflowers, their common English names and Linnaeus-based classification in Latin. It informs when they blossom, where they grow and what medicinal and food uses have they served during the times of early pioneers and Native American Peoples. With the "hands-on" component of drawing/coloring images of flowers, this presentation can be taken to the local prairies or gardens and tailored to specific ages and interests.

##### **Graphic Design for Naturalists (Category III & IV)**

**Roy R. Behrens, Professor of Art and Distinguished Scholar at the University of Northern Iowa**

Nature centers are constantly in need of promotional materials (posters, brochures, presentations, websites) that are attractive, inviting and clearly organized. Nearly everyone at public education centers has access to design software, but only a small percentage have genuine, adequate training in graphic design. This illustrated talk offers advice and visual examples of how naturalists and others can ensure that printed and online promotions will look more professional and function most effectively. The presenter is a teacher, author and graphic designer.

##### **Help Your Students SOAR with Real Iowa Data (Category I & II)**

**Linette Bernard, Communications Director for SOAR**



Learn about the SOAR (Saving Our Avian Resources) bald eagles and lead research that you can use to work with middle and high school students. The SOAR Student Data project has multiple classroom and field trip applications that will help address Iowa Core Science Standards! Linette Bernard from SOAR will walk you through the available data and demonstrate ways to use data from to engage students in current and local (Iowa) environmental issues.

#### 9:30 - 10:30 AM Concurrent Sessions

##### **DIY Exhibits (Category III & IV)**

**Cindy Blobaum, Dallas County Conservation**

See some examples of the creative repurposing of common collection items, ordinary supplies, and "found" treasures used to create temporary and somewhat more permanent indoor and outdoor exhibits. Then harness the brainstorming power of the group to walk away with ideas for your county.

## **Environmental Education for Afterschool Programs (Category II)**

### **Mallory Machir, Education Community Programs Specialist, Blank Park Zoo**

Students are spending less and less time outdoors with some receiving only 15 minutes a day at recess. Hear from educators at Blank Park Zoo on how they are reaching a large, underserved audience in the after school setting. During this session, we will explore ways to connect students with nature through child-led exploration, activities, and ambassador animals.



## **Real Data Through Watersheds: TES-MMW (Category II)**

### **Karen Koenig, Iowa Falls Talented and Gifted Teacher**

Come learn about Model My Watershed which is a free, web-based application that invites students to explore the condition of their local watershed with a scientifically valid watershed model. This app is great for grades 6th through 12th grade.

**10:30 – 11:00 a.m. Break**

## **11:00 a.m. – 12:00 p.m. Concurrent Sessions**

### **Animal Camouflage: Appearance (and Disappearance) in Nature (Category I & II)**

#### **Roy R. Behrens, Professor of Art and Distinguished Scholar at the University of Northern Iowa**

This is a fast-paced and often astonishing look at how the coloration of animals protects them from predators, and/or helps them in their quest for food. Kinds of camouflage are discussed, with amazing visual examples, from the most rare and exotic to equally surprising forms that are found in the backyards of Iowa homes. The presenter has published four books and scores of articles on the art and science of concealment and deception, both natural and military.

### **Social Media Update (Category III & IV)**

#### **Christine Melaas, Director of Social Media, Fourge Social, Dubuque Iowa**

Fourge Social is an award-winning social media firm. They will talk about how to create, execute and manage your digital marketing presence, focus on direct communication and interaction with your target audience, provide ongoing measurable data for making decisions that enhance your organizations performance, and educate and train your people on proper usage of social media on and off the job.



### **Introduction to Permits and Licenses (Category II & IV)**

#### **Karmin Klingenberg, Licensing Section, Program Planner**

This presentation will be an overview the Scientific Collecting, Education Project, Wildlife Salvage and Wildlife Rehabber permits. What license or permit do I need? Who needs to be permitted or licensed? We will also briefly talk about the new licensing system coming to Iowa. If you have specific questions, you would like addressed during this presentation, please email me those at [Karmin.Klingenberg@dnr.iowa.gov](mailto:Karmin.Klingenberg@dnr.iowa.gov).

**12:00 p.m. – Lunch in Community Room - Pita Pit \$9.00** Click this [link](#) for examples of pitas

**Carnivore/Omnivore:** Pita platters with a variety of choices will be available. Chips and dessert bar included.

**Vegetarian:** Pita platters with a variety of choices will be available. Chips and a dessert bar included.

**Depart**