



Arisaema



Michigan Botanical Club State Newsletter

Volume 18, Issue 1 • April 2012

Corresponding Secretary's Report

It's officially spring again, even though it has felt like spring many times this past winter. Last year the wildflowers bloomed a little later than usual. This year, it appears many plants started way ahead of schedule. But the Spring Foray is at the traditional time – Memorial Day Weekend – May 25-28.

This year's Spring Foray is being held at the University of Michigan Biological Station in Pellston, MI, and is being hosted by the Huron Valley Chapter. Review the information about the Spring Foray included in this issue and be sure to sign up quickly. The deadline is a little earlier this year. Please have your registration and payment mailed by **MAY 1st** so that it is received by May 4th. The registration form is included as an insert in this issue. If you misplace the insert, the Michigan Botanical Club website has the form available for you to print. Go to www.michbotclub.org. This year we will not be able to register on-line. That turned out to be more complicated than anticipated – maybe next year. The website also includes more information about the field trips than we had room for in this issue of the Arisaema.

On a sadder note, many of you may already know that Ed Voss died earlier this year. Many, many people attended his memorial services and a large number spoke and give tribute to Ed's life. Be sure to read more about Ed's life in this issue of the Arisaema and the related article about *Michigan Flora* being updated and available on-line.

Our editor for the past 2 issues of the Arisaema, Brenda Woods, was not able to put this issue of the Arisaema together due to a series of family and job issues. I was able to talk my friend Francine Fein into filling the void at the last minute. Thank you, Francine.

I hope to see many of you at the Spring Foray!

Sincerely,

Mary Danforth
Corresponding Secretary
Michigan Botanical Club

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President's report

Greetings from your MBC President

I am greatly saddened to report that Ed Voss has passed away. His passing is a great loss for MBC. Ed had a long history of involvement with the club. He was a founding member of the HVC and *The Michigan Botanist*. In the history of the club, written by Herb Conant, he states:

At the Winter, 1960, state board of directors meeting of the Michigan Botanical Club, President Richard Giles "appointed Drs. Alex Smith, Elzada Clover, and [Edward Voss](#) to start the often discussed Ann Arbor - Ypsilanti chapter. Miss Gillette presented \$5.60 to start the treasury of the new chapter and Rogers McVaugh contributed \$2.00."

After the formation of the Huron Valley Chapter in 1960, serious consideration was given to the publication

1962 THE MICHIGAN BOTANIST 3

ANNOUNCEMENT

With this publication, the Michigan Botanical Club launches into a new venture, the final direction of which it would be premature to predict with precision. Something of the history and nature of the sponsoring organization may be found on page 4. Suffice it to say at this point that our intent is to issue a journal (semi-annually the first year) devoted to all phases of plant life in Michigan.

The contents of this first number will indicate something of the possible scope of such a journal. We will not neglect the "lower plants" (fungi, lichens, mosses, etc.), nor will we forget the interests of the lover of "wild flowers." We hope to challenge the amateur to more meaningful study of plant life, as well as to inform the experienced botanist. Brief news notes and observations will be welcomed by the editors, as will short scientific papers pertaining to the plants of Michigan and the Upper Great Lakes region. Contributions will be considered whether from the standpoint of classification, plant geography, ecology, local flora, or any combination of these or other approaches to the study of botany.

We shall, of course, include major news and announcements pertaining to the Michigan Botanical Club, as a means of communication among the chapters and the members at large. But we will in no way supplant the more frequent (and informal) duplicated newsletters and announcements issued by the individual chapters. It may be expected that on conservation issues, THE MICHIGAN BOTANIST will reflect the interests of the Michigan Botanical Club and its vigorous offspring, the Michigan Natural Areas Council. We plan to include regularly a section on important literature relating to Michigan botany, including listings of new maps, bulletins, journal articles, etc., in the hope that this feature will prove useful not only to individual naturalists but also to schools, libraries, camps, and similar groups.

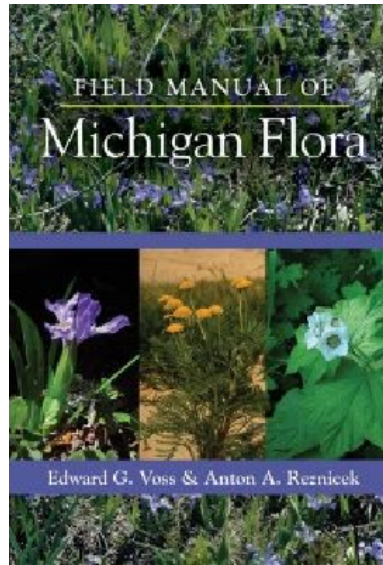
We invite your attention to the specific information on page 2 (second cover page) and we invite your subscription (if you are not already a member of the Michigan Botanical Club). We invite also your comments, suggestions, criticisms, and ideas.

—The Editors

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Michigan Flora Online

Today, the long-awaited update to Edward G. Voss's classic *Michigan Flora*, *Field Manual of Michigan Flora* by E.G. Voss and A.A. Reznicek, arrived via UPS at my door. Gone are the cloth covers, sleeves, color plates,



illustrations, and heavy stock, replaced by a sleek-for-its-size, sharply designed work with larger trim that clocks in at just over 1000 pages.

Although the emphasis of this work is updated nomenclature, updated keys, and nearly current range maps, species descriptions still contain important and interesting information on habitats, additional identifying characteristics, nativity, and other pertinent matters. Distribution maps are small but crisp, and the reader is aided by the placement of Michigan

county maps on both end papers, which also contain scales in centimeters and millimeters. I look forward to spending more time with the keys and the manual this spring and summer.

Sadly, this book arrived two days after the passing of the first author, Ed Voss. The content herein is a testament to Ed's dedication to the study (and protection) of Michigan's native flora, and it is also a reflection of the quality and breadth of work on Michigan floristics conducted by Tony Reznicek, who took on the significant task of combining and updating the three previous volumes of *Michigan Flora*. In addition, this manual is another reminder that interest in natural history is alive and well, even if we sometimes lose sight of the fact that there are a lot of people, many of them quiet or obscure, who are enjoying, documenting, photographing, studying, and writing about nature. The wealth of field guides and floristic works completed and in production makes this an exciting time for the professional and avocational botanist. I recommend adding *Field Manual of Michigan Flora* to your bookshelf, or, better yet, that bin of books in the back of your car, ready for your next roadtrip.

—Bradford Slaughter
February 15, 2012

<http://getyourbotanyon.blogspot.com/>

Spring Foray 2012: May 25-28

Michigan Botanical Club Spring Foray 2012 in the Tip of the Mitt
Hosted by the Huron Valley Chapter
at the University of Michigan Biological Station,
Pellston, Michigan,
9133 Biological Road, Pellston, MI (231) 539-8408,

This location is distant enough to be somewhat exotic (up north), yet it is not too long a drive for most of us. In choosing this site, we wanted to extend the MBC's botanical/ecological survey of Michigan. Those of you who attend this Foray will be treated to a unique, wide-ranging yet in-depth view of this special region of Michigan.



Another reason for selecting this site is the UM Biological Station, fondly known as the “bug camp.” UMBS is now over 100 years old, and that age brings with it a special accumulation of knowledge and resources from the countless researchers and teachers who have worked here over those years. This institution has made (and will continue to make) many contributions to our knowledge of botany, ecology and other aspects of natural history. In order to teach and carry out research effectively, the UMBS has to be right in the midst of prime, diverse natural areas. We will be able to enjoy that fully, and we will live right on the shore of Douglas Lake in easy contact with nature. Students and alumni consider this a “magical” place. It's a little rustic, but in a very pleasant and comfortable way. UMBS is also family friendly and handicap accessible. Please note that we will be guests of the UM Biological Station during their spring term, so we will share the facilities with students, teachers and researchers, but that will be part of the experience.

The physiography of this site and the area around it is basically time-worn post-glacial features; however, this physiography is quite complex and diverse ranging from glacial lake plain to

moraines and the full range of glacial depositional features over relatively short distances. Correspondingly, the flora (and fauna) and ecosystems are highly varied. In addition, this area is part of the transition from deciduous forests to boreal forests, and we will see elements of all of them. Fittingly, we have access to a very good overview of the natural history of this area in the UMBS's centennial commemoration volume: Nadelhoffer, Hogg, and Hazlett. 2010. *The changing environment of northern Michigan: A century of science and nature at the University of Michigan Biological Station*. Ann Arbor, MI: University of Michigan Press.

We have a great field trip and evening lecture program ahead for us. I am looking forward to seeing you at this wonderful place.

—Larry Noodén, President, Huron Valley Chapter

Student Scholarships

Each chapter is responsible for paying the cost of meals and housing, and arranging transportation for their sponsored scholarship students. However, HVC will cover the registration fee. Students should complete and send in their Foray registration form with their field trip selections as soon as possible. It is recommended that chapters select their student scholarship recipients by Thursday, April 19.

Michigan Botanical Foundation President Pam Laureto has sent information on MBF support to the chapter presidents. Chapters wishing to find roommates for their students may contact the registrar.

Registrar information

Toni Spears, HVC Treasurer
 7412 Black Forest Drive
 Dexter, MI 48130

Questions ??? please send an email to:
t_spears2000@yahoo.com

Also visit the MBC website www.michbotclub.org for updates and additional Foray information.

General Information for Participants – Please Read Carefully

The University of Michigan Biological Station (UMBS) is located at the northern tip of the Lower Peninsula of Michigan on the south shore of Douglas Lake. The Biological Station

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property extends approximately 10,000 contiguous acres on and around Douglas Lake. UMBS is an active teaching and research facility with dormitory, cabins, laboratories, class rooms, cafeteria, library, and auditorium. You may visit their web site: <http://lsa.umich.edu/umbs/>

Travel Routes: Approximate driving distance to UMBS: From Detroit - 276 miles (4 hrs 16 min), from Lansing - 217 miles (3 hrs 23 min), from Grand Rapids - 224 miles (3 hrs 36 min). Approximately 30 miles south of the Mackinac Bridge.

Directions: Driving from I-75 going north: take exit 322 and go west 3 miles on C-64 to the UMBS entrance. Driving from U.S. 31 in Pellston: go east 6 miles on C-64 to the entrance. GPS coordinates: N45 33.598, W 84 40.658. Check with the Pellston Regional Airport for flight information.

Upon arrival: All participants must check in at the Dormitory Lounge building. Here you will receive your housing assignment, registration packet, and parking directions. All field trips will assemble in front of the Dormitory Lounge.

Housing: You must bring your own bedding; including sheets, blanket/sleeping bag, pillow, towels, and soap. Bring bedding for a single-size bed (i.e. twin-size sheets) unless notified otherwise. Accommodations consist of cabins or dormitory rooms. **Cabins** have one or two rooms (two people per bedroom). Bedrooms contain either a full size bed or two single beds. Each cabin has a shower and adjustable room heating. **Dormitory** rooms contain two single beds. Two bedrooms share a bathroom. About a third of the accommodations will be located in the 14-room dormitory. Please note that due to the limited number of rooms available, single person room occupancy is not available.

Meals: The Dining Hall is located on the second level of the Administration Building. Please refer to the "Schedule of Events" sheet for meal times. Indicate on the Registration Form if you have special dietary needs and if you want Friday dinner and/or Monday field-lunch. **You must be wearing your Name Tag to enter the cafeteria for meals since your Name Tag is your meal ticket.**

Field Lunches: Only persons attending all-day field trips will pack individual lunches in the Dining Room during breakfast. Water and beverages are available from beverage dispensers, but you must fill your own container with your beverage of choice for your pack lunch. UMBS is an environmentally conscientious facility and does not provide any beverages in plastic or aluminum containers.

What to bring: bedding and bath supplies including soap, travel water bottle or canteen, medications, sturdy shoes, boots for wet areas, heavy socks, jeans, shorts, sweaters, jackets, soft hat/cap, rainwear, swimwear, backpack or small duffel for day trips, insect repellent, and sun block. A flashlight is *highly*

recommended for nighttime walking as sidewalks and streets are not well lighted.

Parking: When checking into camp you will be given your parking assignment. Parking is allowed only in designated parking areas. After you have put your luggage into your cabin, please park in your assigned lot.

Traffic: For safety of residents, and to keep road dust and noise level low, please don't drive in camp, except to load and unload luggage.

Restrooms: Public restrooms are located in the Administration Building (near the steps leading to the Dining Room), Lecture Hall, Lakeside Lab, Sparrow Classroom, and the two communal shower houses located in the rustic housing area.

Phones: The Administrative Office phone number is 231-539-8408. There are three courtesy phones in camp. (1) Dorm hallway (base of steps) 231-539-7359; (2) Administration Building (phone booth base of dining room steps) 231-539-8226; (3) Lakeside Lab 2nd level (end of hall by Seminar Room) 231-539-8861. Local calls are not charged; long distance calls require a phone card. Cell phone access is limited depending on your carrier.

Computers: Computers with internet service are available in the Dining Room or Dormitory Lounge. Wireless service is available in certain areas of camp.

Allergies: Allergic to bee or insect stings? If so, please carry your own prescription epi pen.

Administration Office: On the 1st level of the Administration Building (under the dining hall) convenience items, course supplies, & souvenirs are sold during posted hours.

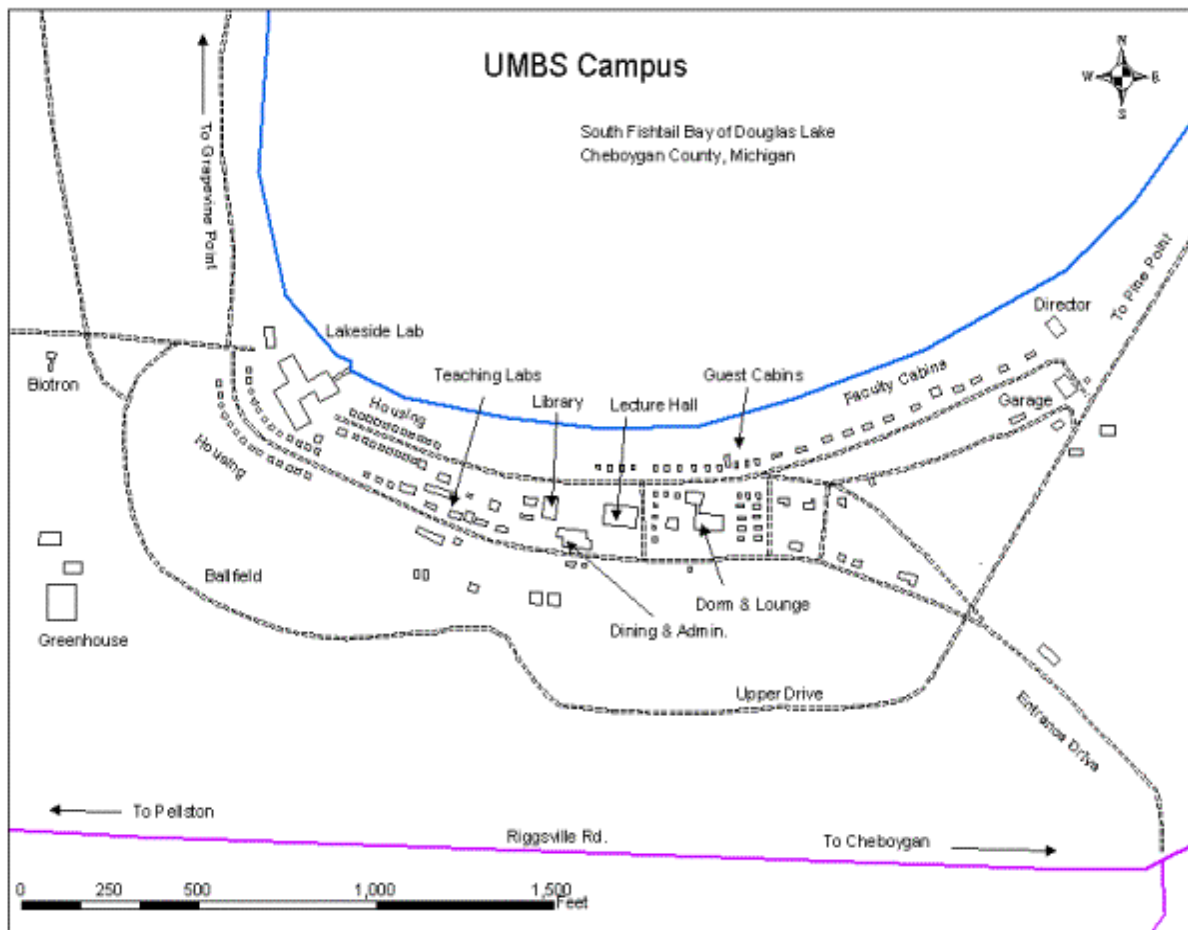
Smoking: By State Law and out of respect for the environment and other residents, smoking is not permitted on University property.

Drugs: The University of Michigan is a "drug-free workplace." Possession, sale and/or use of illicit drugs are not allowed, nor are excessive or illegal use of prescription medications.

Pets: Because of the close community living style and surrounding natural habitats, you are not permitted to bring pets to the Station.

Alcohol: While moderate, legal alcohol use is accepted; the drinking of alcohol is never actively encouraged. Illegal behaviors involving alcohol (e.g. underage drinking, drinking and driving) are not acceptable. Legal consumption is allowed within (not outside) residences.

Swimming: Douglas Lake is ideal for swimming, but please use obvious precautions. Be aware that there is a steep drop-off a short distance from the camp shore. Swimming should be



confined to areas near camp. Any swimmer attempting a long-distance swim must be accompanied by a boat with two occupants. Children should always be under observation of a responsible adult. Canoes are available for guest use. Check with the Administration Office.

For Your Information

If you are not planning on staying at the UMBS camp, the nearest accommodation is the Pellston Lodge. It is located 6 miles away at \$99 per night rate. Telephone [\(231\)-539-7000](tel:(231)539-7000).

Local and State Park camping options may be available.

Reading and Web Resources

Prior to attending this year's Spring Foray at the University of Michigan Biological Station you might want to obtain a copy of

the book **The Changing Environment of Northern Michigan** edited by Knute J. Nadelhoffer, Alan J. Hogg Jr., & Brian A. Hazlett, 2009. This highly informative collection of essays leads the reader on a virtual field trip through the "tip of the mitt" in and around the Douglas Lake area. The well written chapters offer a summary of research conducted in the area and covers the history, geology, ecosystems and habitats in enlightening detail. Paperback copies are available at any online book store or available at the BioStation bookstore.

In addition there are several highly informative articles that have been published on plants of the Douglas Lake area in past issues of "**The Michigan Botanist**".

Check the Michigan Botanical Club website for a list of these and additional reading resources:

<http://www.michbotclub.org/spring-foray>

Spring Foray 2022 schedule

Friday, May 25

- 3:00-7:30** Check in and Registration at the Dormitory Lounge
- 6:00-7:00** Dinner in Dining Hall
- 7:30** Welcome, Orientation and Evening Program in Marian P. and David M. Gates Lecture Hall.
Speaker: Anton (Tony) Reznicek, University of Michigan Herbarium:
"Great Lakes Endemics: What's So Special About the Straits Area"

Saturday, May 26

All Field Trips assemble in front of the Dormitory Lounge. Please meet 15 minutes prior to departure.

- 7:00-8:00** Breakfast at the UMBS Dining Hall
Prepare your pack-lunch only for the all-day field trips
- 8:30** Departure of all-day field trips (unless otherwise noted)
- 8:45** Departure of half-day field trips (unless otherwise noted)
- 11:30-12:30** Lunch in Dining Hall
- 1:00** Departure of field trips
- 4:00-6:00** Free time to clean up, take a nap, key out plants, etc.
- 5:00-6:00** Michigan Botanical Club State Board Meeting in Dormitory Lounge
- 6:00-7:00** Dinner in Dining Hall
- 7:30** Announcements, Student Scholars, and Evening Program in Gates Lecture Hall.
Speaker: Dan Kashian, Wayne State University:
"Are There Reasons for the Demonstrable Variation of UMBS Forests?"

Sunday, May 27

All Field Trips assemble in front of the Dormitory Lounge. Please meet 15 minutes prior to departure.

- 7:00-8:00** Breakfast at the UMBS Dining Hall
Prepare your pack-lunch only for the all-day field trips
- 7:45** Departure Bois Blanc Island Field trip
- 8:30** Departure of all-day field trips (unless otherwise noted)
- 8:45** Departure of half-day field trips (unless otherwise noted)
- 11:30-12:30** Lunch in Dining Hall
- 1:00** Departure of field trips
- 4:00-6:00** Free time to clean up, take a nap, key out plants, etc.
- 5:00-6:00** Michigan Botanical Club State Board Meeting in Dormitory Lounge
- 6:00-7:00** Dinner in Dining Hall
- 7:30** Announcements, Board Meeting Reports, Awards and Evening Program in Gates Lecture Hall.
Speaker: Jed Jaworski, MSU Extension Service, Firewise Program:
"Living With Fire: New Perspectives on Fire in Our Ecosystem and Culture"

Monday, May 28

- 7:00-8:00** Breakfast at the UMBS Dining Hall
Prepare pack-lunch for heading-home field trips (lunch must be pre-ordered).
Field Trips TBA
- 11:00** UMBS Check out time.



Spring Foray 2012 Field Trips

Saturday, May 29		
All Day	Morning	Afternoon
Cedar Swamps with Tony Reznicek	UM Biological Station Tour with Mark Paddock	Prehistoric Native American Sites, Grapevine Point with Kathryn Parker
Sturgeon Bay Dunes with Kathy Bricker	Restoration of Early Successional Communities with Eric Ellis	Colonial Point with Robert Ayotte
Ferns and Fern Allies of UP Karst (Bridge Toll) with Connie Crancer & Steve Baker	Morels & More, Spring Fungi (UMBS) (Dep 9:00) with Marilynn Smith	Morels & More, Spring Fungi (UMBS) with Marilynn Smith

Sunday, May 30		
All Day	Morning	Afternoon
Bois Blanc (Dep 7:45 + Ferry Fees) with Sylvia Taylor	Grass Bay with Judy Kelly	Mud Lake Bog with Dave Dister
Mackinaw Headlands with Bob Smith	Birding the Straits (Dep 7:30) with Harold and Artemis Eyster and Steve Baker	Photography workshop at Grass Bay with Judy Kelly
Eastern Upper Peninsula Peatlands (Bridge Toll) with Brad Slaughter	Reese's Swamp with Bev Walters	Waugoshance Point, Wilderness State Park with Bev Walters

Field Trip Descriptions

(Saturday, all day)

Cedar Swamps of Northern Lower Michigan

We will try to visit a couple examples of high quality closed canopy cedar swamps, which are becoming increasingly rare due to logging, drainage, and other disturbances such as wind throw and invasion by coarse aliens. **Notes:** Difficulty: moderate; expect wet feet, some awkward walking through dense vegetation and over streams. Wear rubber boots or (better) wettable running shoes. Walking distance: a few miles over several sites.

Leader: Tony Reznicek, Assistant Director & Curator of Vascular Plants at the University of Michigan Herbarium and is co-author with Edward G. Voss of the new Field Manual of Michigan Flora.

(Saturday, all day)

Ferns and Fern Allies of Upper Peninsula Karst Terrain

We will hunt for ferns and "fern allies" along the seeps, streams and limestone outcroppings of rich deciduous, coniferous, and mixed forests. Highlights will include walking fern, Hart's-tongue fern, maidenhair spleenwort, and erect and trailing club-mosses. Although Connie and Steve will lead the group, they will depend on everyone's eyes, ears, and plant identification skills to make this trip a group experience. **Notes:** some wet terrain; bring loupes, sturdy boots, a sense of adventure, and perhaps a walking stick, Moderate Difficulty - participants will be guided over mossy limestone ledges of karst terrain. Distance:

2 miles total, Children: OK

Leaders: Connie Crancer and Steve Baker. **Connie Crancer**, is a recent graduate, M.S. in Terrestrial Ecology from University of Michigan, School of Natural Resources and the Environment. **Steve Baker** is a land steward for the MNA and the Nature Conservancy, and has a particular interest in the rare ferns of calcareous ecosystems.

(Saturday, all day)

A day at the Beach: Sturgeon Bay Dunes

The mile-long stretch at Sturgeon Bay Dunes on northeast Lake Michigan exemplifies a Great Lakes dune ecosystem. Besides casual walks with frequent stops along two stretches of dunes, separated by a lunch break, we will hike part of the North Country National Scenic Trail. Time permitting, we will visit a third lakeshore site. **Notes:** Dress for variable weather, since the beach can be windier, colder, and rainier than UMBS. Wear a sun hat and comfortable walking shoes that can get wet. Bring water, a change of socks, binoculars and field guides.

Leader: Kathy Bricker, B.S. Bowling Green State University, Ohio, M.S., University of Michigan.

(Saturday morning)

Biological Station Facilities and Grounds Tour

The Tour will cover the grounds of the Biological Station, interesting and important teaching and support buildings,

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Spring Foray 2011 Field Trips (Continued)

(Continued from page 7)

research facilities including the "Soil Biotron" and the new observation tower. Mark will talk about the 104 year history of UMBS, important teachers and scientists and some ecological discussion of the immediate landscape and Douglas Lake.

Leader: Mark Paddock After 13 years with the Institute Of Arctic and Alpine Research in Colorado and six with the Missouri Botanical Garden, Mark came to the Biological Station in 1971 with David Gates to be Associate Director.

(Saturday morning)

Restoration of Early Successional Communities

Alder swamps are an important wildlife habitat that benefit from disturbance. Conservation Resource Alliance, has been conducting prescribed cutting at this private site west of UMBS in Emmet County since 2005. Eric will explain the benefits of young forests and, specifically, how and why woodcock (and a host of other species) need this habitat. **Notes:** moderate, difficulty, Walking distance: half mile No young children.

Leader: Eric Ellis, biologist, Conservation Resource Alliance, Traverse City.

(Saturday morning, Departure 9:00, repeats Saturday afternoon)

Morels and More – The Spring Fungi

We will take a leisurely walk along Grape Vine Point Trail on the UMBS campus to look for Spring fungi. **Notes:** Bring a loupe if you have one, and bug repellent in case of insects. Difficulty: Easy, Distance: 2 miles, Children: OK

Leader: Marilynn Smith has a B.S. and M.S. in mycology from University of Iowa.

(Saturday afternoon)

Prehistoric Native American storage pits and community on Grapevine Point

We will take a short hike out the Grapevine Point trail on the University of Michigan Biological Station property to visit a group of prehistoric (approximately AD 1000) storage pits. We will learn what these storage facilities and nearby living sites may have to say about Native American settlement in the area of Douglas Lake. **Notes:** Easy walking. Sturdy shoes

Leader: Kathryn (Katie) Parker has spent the past 30 years in the identification and evaluation of botanical remains from archaeological sites. Her university education and training were in the field of North American anthropology/archaeology, and more specifically in Paleoethnobotany.

(Saturday afternoon)

Colonial Point Memorial Forest: Mesic Northern Hardwood Ecosystems

Colonial Point Forest, on Burt Lake, is an extraordinary example

of the Mesic Northern Hardwood ecosystem. We will, explore the trails, discuss the glacial history, examine the soils, and enjoy the abundant ferns and spring wildflowers. Expect to see oak fern, ostrich fern, large-flowered trillium, round-lobed hepatica, yellow trout lily, and herb Robert. **Notes:** Easy walking on gently rolling trails, ~ 2-3 miles.

Leader: Robert Ayotte, MS in Forest Sciences, University of Michigan (1983), attended UMBS in 1980 completing Boreal Flora and Bryophytes courses. He gained very local notoriety when he composed the song "Bryophyte Blues".

(Sunday, all day)

Bois Blanc Island (Departure 7:45 am, Additional fees apply)

The Ferry departs from 412 Water Street, in Cheboygan at 9 am. The Ferry begins loading at 8:30 am. The fee for each car is \$55.00, and the fee for each person is \$16.00 (2011 prices).

These fees are additional to the Foray Registration and Program fees. Note on return ferry: Be at the dock before 3:30 pm. The last ferry departs at 4 pm.

Bois Blanc (Bob Lo) is a large (township sized) island in Lake Huron between Cheboygan and Mackinac Island. This trip explores the low lying southeast coastline including Snow Beach, the Snake Island Natural area and the dry bedrock beach pools of Walker's Point. Lunch will be at the Taylor's small (but with modern facilities) cabin. **Notes:** wear boots or bring extra footwear.

Sylvia Taylor, Leader, has a PhD Botany and is retired from the Michigan Department of Natural Resources.

(Sunday, all day)

Mackinaw Headlands

This Emmet County Park on the Straits of Mackinac has 550 acres of pristine woodlands above more than two miles of undeveloped Lake Michigan shoreline. The trip will follow winding trails through an old growth Northern Hardwood-Conifer Forest and continue down to the shore of Lake Michigan. **Notes:** Easy-moderate walk of about 4 miles, Ok for children accompanied by parent.

Leader, Bob Smith is a botanist and major photo contributor to Michigan Flora Online.

(Sunday, all day)

Eastern Upper Peninsula Peatlands

Michigan's eastern Upper Peninsula supports vast areas of poorly drained sand lakeplain blanketed by peat deposits that have accumulated over the past several thousand years. A group of adventurous souls will visit choice peatland sites in the eastern Upper Peninsula, including acidic and alkaline peatlands. Specific sites will be selected based on this spring's phenological particulars and ease of access.

Notes: Moderate level of difficulty. Not suitable for children.

Spring Foray 2011 Field Trips (Continued)

Wear sturdy footwear for hummocky, uneven topography, wet soil (including deep muck and potential stream crossings), and insect repellent. Walking distance: several miles over several sites.

Leader: Brad Slaughter, botanist and ecologist, Michigan Natural Features Inventory.

(Sunday morning)

Grass Bay Preserve

The trip to this parcel, owned by The Nature Conservancy, will take us along a wooded dune and swale complex on the shores of Lake Huron. Dwarf lake iris and pink lady's slippers should be in full bloom. It will be early for Lake Huron tansy and Pitcher's thistle, but we may at least find some rosettes on the beach. Notes: Easy walking, a few low hills. Not strenuous. Children not recommended due to sensitive area. Walking distance: 2 miles round trip.

Leader: Judy Kelly, biology instructor, Henry Ford Community College

(Sunday morning)

Birding the Straits (Departure Time: 7:30 am)

We will have a morning of birding along the south shore of the Mackinaw Straits in Wilderness State Park. Target species may include Golden-winged Warbler, Mourning Warbler, Alder Flycatcher, and Wilson's Snipe. **Notes:** Bring binoculars, spotting scope if you have one, and repellent. Level of difficulty: moderate, OK for children: must be able to handle binocs. Walking distance: less than 1 mile

Leaders: Harold Eyster, Artemis Eyster, and Steve Baker.

Harold and Artemis Eyster are accomplished ornithologists, especially attuned to bird song. The trip will be jointly led by **Steve Baker**, who has been birding the Mackinaw Straits for 30 years. Steve is a land steward for the Michigan Nature Association (MNA) and The Nature Conservancy, and has a particular interest in orchids.

(Sunday morning)

Reeses Swamp

This trip will be an easy hike through a high quality northern white cedar wetland complex. Reeses Swamp is a large and diverse wetland forest well known for a wide variety of orchids,

sedges, and other cedar swamp species. **Notes:** Fairly easy hiking of about 1.5 miles, some squishy, mucky ground. OK for children. Wear boots or shoes that can get wet.

Leader: Bev Walters, Collection Manager, University of Michigan Herbarium.

(Sunday afternoon)

Mud Lake Bog

This is an easily accessible wet, open Northern sphagnum bog with great plant diversity. There are lots of sedges, including cotton grass, pitcher plants, sundews and the amazing *Scheuchzeria palustris* with an open pore at the tip of each leaf. **Notes:** Easy, less than 1 mile hike, but wet, OK for children. Rubber boots or (better) wettable running shoes.

Leader: David Dister, ecological consultant.

(Sunday Afternoon)

Photography Workshop at Grass Bay

We will visit the The Nature Conservancy's Grass Bay preserve to learn techniques of nature photography and get some great images of dwarf lake iris in flower. Judy's interest in photography preceded her interest in plants - she only took up botany because she wanted to learn about the plants in her pictures. Plan on a relaxed, fun, and informative excursion. **Notes:** Easy. Walking distance: 2 miles. Children not recommended due to sensitive area.

Leader: Judy Kelly, biology instructor, Henry Ford Community College

(Sunday Afternoon)

Waugoshance Point, Wilderness State Park.

Waugoshance Point juts out into Lake Michigan creating a windswept and ice scoured landscape where only the best adapted plants can survive. Join in lakeshore explorations of cobble beaches, sandy beach pools with delicate bladderworts, and foredune ridges carpeted with *Juniperus horizontalis*. **Notes:** Level of difficulty: easy. Ok for children. Comfortable walking shoes. Walking distance ca. 5 miles. Park entry permit for each vehicle.

Leader: Bev Walters, Collection Manager, University of Michigan Herbarium

Spring Foray and Fall Meeting Schedule

YEAR	SPRING	FALL
2012	HVC	SWC
2013	WPC	HVC
2014	RCC	WPC
2015	SEC	RCC
2016	SWC	SEC

Acknowledgments

The Huron Valley Chapter wishes to thank those who will be giving evening presentations and leading field trips. We would also like to thank the Staff at the University of Michigan Biological Station for allowing us to host the 2012 Spring Foray at the Station. We especially thank Lisa Redmond, Housing Manager and Karie Slavik, Associate Director for all their kind assistance. The 2012 Organizing Committee has been meeting regularly for the past year to plan and set up this foray. We are grateful for all the HVC members who have volunteered to help at the camp with all the jobs that need to be done to make the foray run smoothly.

2012 Directory

Officers

Judy Kelly <i>President</i>	HVC	hfcckelly@gmail.com	313-845-9728 (O) 734-635-0952 (C)	11829 Canton Center Plymouth, MI 48170
Emily Nietering <i>Vice President</i>	SEC	knietering@sbcglobal.net	313-278-9269 (H) 313-300-0491 (C)	231 Nash Street Dearborn, MI 48124
Lynn Steil <i>Recording Secretary</i>	SWC	steil.lynn@gmail.com	269-646-3043 (H)	12086 Dutch Settlement Road Marcellus, MI 49067
Bob Kelly <i>Treasurer</i>	HVC	rgk@umich.edu	734-487-0020 ext 2232 (O) 734-635-0562 (C)	11829 Canton Center Plymouth, MI 48170
Mary Danforth <i>Corresponding Secretary</i>	HVC	m19danforth44@gmail.com	734-741-6285 (O) 734-649-4849 (C)	4273 Eastgate Drive Ann Arbor, MI 48103
Pamela Laureto <i>Immediate Past President</i>	WPC	plaureto@grcc.edu	616-454-4328 (H) 616-234-3896 (O) 616-450-1759 (C)	365 Rosewood SE Grand Rapids, MI 49506

Directors At Large

Sarah Nooden <i>2012-2014</i>	HVC	snooden@umich.edu	734-663-5667	2148 E. Delhi Road Ann Arbor, MI 48103
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Todd Barkman <i>2011-2013</i>	SWC	todd.barkman@wmich.edu	269-544-0034	Department of Biological Sciences, WMU, 3437 Wood Hall Kalamazoo, MI 49008
Janet Skeberdis <i>2011-2013</i>	WPC	janet@michipete.com	231-924-0387	P.O. Box 27 Fremont, MI 49412-0027
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Alice Ward <i>2010-2012</i>	SEC	aehward@comcast.net	248-673-1183	1330 Linville Road Waterford, MI 48328
Becky Csia <i>2010-2012</i>	SWC	beckycsia@chartermi.net	269-353-3522	2831 N. 2nd Street Kalamazoo, MI 49009
Craig Elston <i>2010-2012</i>	WPC	wildflower1000@ameritech.net	616-669-3256	3436 Port Sheldon Road Hudsonville, MI 49426-9004

2012 Directory

Chapter Presidents

Larry Nooden	HVC	ldnum@umich.edu	734-663-5667 (H) 734-764-4436 (O)	Biology Department, University of Michigan Ann Arbor, MI 48109-1048
Mark Ledebuhr	RCC	mark.ledebuhr@gmail.com	517-202-6839 (C)	2519 Wilson Avenue Lansing, MI 48906
Emily Nietering	SEC	knietering@sbcglobal.net	313-278-9269 (H) 313-300-0491 (C)	231 Nash Street Dearborn, MI 48124
Tyler Bassett	SWC	keepitsimple7@yahoo.com	269-383-2569 (H) 269-580-4766 (C)	2436 Woodward Avenue Kalamazoo, MI 49004
Dorothy Sibley	WPC	dsibley@mail.riverview.net	231-652-2036 (H)	7951 Walnut Avenue Newaygo, MI 49337
Irene Eiseman	Special Members	eisemani@gmail.com	734-475-9654 (H) 734-358-5891 (C)	1873 Pierce Road Chelsea, MI 48118

Committee Chairpersons and Other

Emily Nietering <i>Awards</i>		knietering@sbcglobal.net	313-278-9269 (H) 313-300-0491 (C)	231 Nash Street Dearborn, MI 48124
Andy & Noah Sawyer <i>Big Trees*</i>		bigtreeclimber@gmail.com	269-930-9698	1117 State Street Saint Joseph, MI 49085
Todd Barkman <i>The Michigan Botanist *</i>		todd.barkman@wmich.edu	269-544-0035 (H) 269-387-2776 (O) 269-870-0005 (C)	Department of Biological Sciences, WMU, 3437 Wood Hall Kalamazoo, MI 49008
Robert Riepma <i>History & Archives</i>		rriepma@altelco.net	616-847-0751	
Sarah Nooden <i>Nominations</i>		snooden@umich.edu	734-663-5667	2148 E. Delhi Road Ann Arbor, MI 48103
Aaron Fown <i>Webmaster</i>		aaronfown@gmail.com	740-949-6556	1029 Barton Dr. Apt 208 Ann Arbor, MI 48105
Pamela Laureto <i>Dickinson Award</i>		plaureto@grcc.edu	616-454-4328 (H) 616-234-3896 (O) 616-450-1759 (C)	365 Rosewood SE Grand Rapids, MI 49506
Caroline Barkman <i>Business Manager MB</i>	SWC	cbarkman9147@mail.kvcc.edu	269-544-0034	919 Dobbin Drive Kalamazoo, MI 49006

Spring Foray 2012 Lectures

Friday Evening:

"Great Lakes Endemics: What's so Special About the Straits Area" - Anton (Tony) Reznicek

In the grand scheme of plant geography, recently glaciated lowland temperate zones normally have essentially no endemic species; those plants confined to one small area. But the Great Lakes region is a striking exception, having a number of local endemics, mostly associated with the Great Lakes shores. Some regional plant communities, in fact, have these endemics as major elements. These endemics are linked to the Great Lakes in a special way. They are largely plants of extreme, usually open habitats (dunes, beaches, sand barrens, alvars (glaciated limestone plains), and rock outcrops) that were not only created by the interaction of the Great Lakes shores and the deglaciation of the landscape, but are suspected of having been more widespread in the past. In this array of habitats, the straits region is the heart of "endemic country." The majority of endemics have ranges centered on the straits, and some have narrow ranges more or less confined to the Straits region. Some of the most striking examples are well known to botanists generally, including Houghton's goldenrod, Pitcher's thistle, Michigan monkey-flower, and the dwarf lake iris. Many however are much less familiar, either because they are extremely rare and local, or because they are little studied. Some of these include Gillman's goldenrod and the Lakeside daisy. The number of endemics will only increase, as poorly studied, difficult groups are examined carefully with modern concepts and genetic tools. This includes not only difficult groups with "normal" species (like goldenrods and asters) but also the difficult apomictic complexes that modern systematics has yet to come to grips with like hawthorns, blackberries, and amelanchiers.

Tony Reznicek is Assistant Director, and Curator of Vascular Plants, University of Michigan Herbarium, co-author with the late Edward G. Voss of the Field Manual of Michigan Flora.

Saturday Evening:

Are there visible reasons for the demonstrable variation of UMBS forests? - Dan Kashian

When we traverse a natural area and look at the plants, we are seeing only pieces. We can learn the plants and enjoy them for their individual beauty and wonder, but without knowing and understanding their ecological context – their place and role as parts of whole ecosystems – we will always struggle to understand their importance and function across landscapes. The way you think about things tends to be the way you see things, and the other pieces of ecosystems – climate, landforms, soils – are far harder to see and thus often ignored. In fact, landscape ecosystems are the "home place" of plant species and communities, and plants are their inseparable parts. Understanding forests as whole ecosystems allows us to begin to understand both why plants grow where they do, and why they begin to form large-scale patterns across landscapes. The

remarkably diverse glacial geology, landforms, soils, vegetation, and disturbance history at UMBS make it the ideal laboratory to learn and teach about why the natural world is the way it is.

Dan Kashian, Assistant Professor, Wayne State University, Detroit conducts research in forest and landscape ecology, studying the effects and interactions of human and natural disturbances on forest structure and ecosystem processes. He received his B.S and M.S. degrees in Natural Resources at the University of Michigan, his Ph.D. in Forest Ecology and Management at the University of Wisconsin, and did his postdoctoral research at Colorado State University. Dr. Kashian's research in Michigan in part examines the dynamics of jack pine forests in the northern Lower Peninsula and the ecological effects of the emerald ash borer in the Metro Detroit area. His research program in the Rocky Mountains examines the effects of fire and insects on forest structure and function in lodgepole pine forests, and aspen dynamics in the face of changing disturbance regimes. UMBS's forest ecosystems are the field laboratory for his fall Terrestrial Ecology course.

Sunday Evening:

"Living With Fire: New Perspectives on Fire in Our Ecosystem and Culture" - Jed Jaworski,

We live in a fire dependent ecosystem; however globally 70% of our forests are degraded or declining due to the lack of natural fire conditions. A fundamentally new approach to understanding and accepting fire's role in our culture and ecosystem is needed. A nationally based program that addresses these issues called "Firewise" is now being embraced in Michigan. Jed Jaworski, with Michigan State University Extension's "Firewise Communities Program", will offer a presentation that illustrates fire's role in our forest/plant ecosystems, the growing wildfire threat to our communities, and share ways in which our forests health, home and community safety can be improved. Participants will learn how to create a Firewise garden.

Jed Jaworski has been with the Michigan State University Extension Staff for the past three years bringing the "Michigan Firewise Communities Program" to a nine county area of Northwest Michigan. Jed presently resides in Benzie County near the Sleeping Bear Dunes National Lakeshore, and has lived in the Northwest Michigan region for over 30 years working as a leader with many collaborative community based programs and projects. Jed has worked extensively in the emergency services field during that time, principally with Federal, State and Local firefighting entities as a wildland and/or structural firefighter, and State of Michigan Forest Fire Officer. His extensive, multi-agency training and experience with wildland/urban interface fire in Michigan and across the country are now availed to this valuable nationally based program.

Dr. Edward Groesbeck Voss — 1929-2012

Edward Groesbeck Voss, 82, died at his home in Ann Arbor, Michigan on February 13, 2012.

Dr. Voss was professor emeritus of Ecology and Evolutionary Biology at the University of Michigan, curator emeritus of vascular plants at the University Herbarium, and a legendary teacher at the U-M Biological Station. He was born in Delaware, Ohio, February 22, 1929 to David



Photo by Sarah Nooden

Edward G. Voss. MBC mini-Foray at the UM Biological Station - August 29, 2009

O. Voss and Katherine (Groesbeck) Voss. He graduated (valedictorian) from Woodward High School (Toledo, Ohio) in 1946. He earned a Bachelor's of Science with honors from Denison University (1950), a Master's degree in Biology (1951) and a Ph.D in Botany from the University of Michigan (1954). He was awarded an honorary Doctor of Science from Denison University in 2003. Dr. Voss was a faculty member at the University of Michigan from 1960-1996. He taught at the University of Michigan Biological Station for 35 summer sessions. He also spent his childhood summers at The Straits where his parents encouraged his early interest in biology by taking him as a 9 year old boy to a "Visitor's Day" at the Biological Station.

Dr. Voss' area of scientific research was the vascular plants of the Great Lakes region: their taxonomy, identification, phytogeography, postglacial history, and status in natural environments—with special interest in boreal and aquatic plants. He was also interested in the history of biology (especially early exploration of the Great Lakes region) and in the Lepidoptera of the northern Great Lakes region. Since 1969 he was involved in botanical nomenclature, including service on the editorial committee (1969-1993) for the International Code of Botanical Nomenclature and as chairman of the General Committee on Botanical Nomenclature (1999-2005).□ He was a Fellow of the Linnean Society of London, served as Rapporteur-general for botanical nomenclature at the XIII International Botanical Congress (Sydney, 1981) and was editor of *The Michigan Botanist* vols. 1-15 (1962-1976). The first volume of his *Michigan Flora* was honored by a Resolution of the Michigan Senate in 1972; the second volume received the H.A. Gleason Award of the New York Botanical Garden; the third and final volume was published late in 1996. On February 16 of this year, the University of Michigan Press released *Field Manual of Michigan Flora* (co-authored with Dr. Anton A. Reznicek).

Not only was Dr. Voss an internationally renowned scientist, but also a devoted conservationist and educator. Whether his students were undergraduate, graduate students, or dedicated

amateurs, he shared his passion for botany with them with an equanimity of zeal. He will also be remembered for his ready wit (often timely and clever puns), relevant comments in meetings delivered with an economy of words, command of every nuance of the English language, and his propensity to write "Letters to the Editor" of the *Ann Arbor News* that were incomparable gems. Ed Voss' father's professional life (having taught Latin at DeVilbiss High School and Greek at Ohio Wesleyan University and Denison University) certainly fostered Ed's lifelong love of words and fidelity to grammar.

Dr. Voss spent his professional life classifying plants with great specificity into families, genera, and species. However, he more broadly defined the people he considered to be family to include those for whom he had great fondness; his students, his



Photo by Sarah Nooden

Ed Voss signing his Botanical Beachcombers book for Irene and Tim Eisman, with Tony Reznicek, at Voss Event August 29, 2009

colleagues at the University of Michigan Herbarium, University of Michigan Biological Station, members of the Michigan Botanical Club, Little Traverse Conservancy and the Nature Conservancy, First Baptist Church in Ann Arbor and Church of the Straits in Mackinaw City, Michigan.

He is survived by his devoted sister, Eleanor (Elly) Hendricks (Tom), and nephews; Jim and Andy Hendricks.

A memorial service was held March 10, 2012 at the University of Michigan League.

Memorial contributions may be made to The University of Michigan Biological Station, the Nature Conservancy, Little Traverse Conservancy, First Baptist Church in Ann Arbor, and/or Church of the Straits, Mackinaw City, Michigan.

More information about the legacy of Dr. Voss can be found at http://www.lsa.umich.edu/eeb/news_events/news/NewsDetail.asp?ID=129.

Michigan Botanical Foundation Report

The Michigan Botanical Foundation is a 501(c)(3) organization whose purpose is to receive and administer funds for the support of Michigan botanical research, educational publications and related activities that enhance the knowledge and preservation of Michigan's flora. To that end, MBF funded several research and educational projects during 2011 (see Grants Awarded in 2011 below). In addition to the funded grants, MBF made four Dickinson Awards, at \$100.00 each, for the best student authored paper in *The Michigan Botanist*. With the presentation of these four awards the Dickinson Award program is up-to-date. The awardees, listed by year, were:

2006: Julia Angstmann

2007: Pam Smith

2008: no student authored paper

2009: Yarrow Wolfe

2010: Josh Springer

I am pleased to report that, after review, the MBF board of directors voted to increase future Dickinson Awards to \$250.00.

Beginning with this report, MBF will highlight 1 or 2 of our grant recipients (see MBF Featured Grant Recipients below). We hope this will give you a greater understanding of how the funds, donated by many Michigan Botanical Club members, are being utilized to meet our stated purposes.

MBF has worked with our financial planner to make sound investments however the economic downturn has had an effect on our investment returns. Typically grants are funded from our investment returns and this is becoming increasingly difficult. MBF is committed to funding research and educational endeavors aimed at increasing knowledge and public awareness of Michigan Flora. We ask that you consider making a financial contribution to the Michigan Botanical Foundation. Your donation can be sent to our treasurer, Bob Sabine, at the following address:

Mr. Robert Sabine

Treasurer, Michigan Botanical Foundation

703 Lake Ave.

Grand Haven, MI 49417-1715

Finally, MBF is working to compile a list of botanical researchers and educators for the purpose of making them aware of the Michigan Botanical Foundation and our granting guidelines. If you know anyone that we should contact please forward their contact information to me.

Respectfully submitted,

Pamela J. Laureto, PhD

President, Michigan Botanical Foundation

365 Rosewood SE

East Grand Rapids, MI 49506-1731

Ph: 616-454-4328; Email: laureto@comcast.net

Grants Awarded in 2011

MBF 2011-01: \$824.25 for MBC Joan Robb Student Foray Awards and additional sponsored students. The White Pine, Huron Valley, and Southeastern Chapters each applied for a Joan Robb Award. In addition to the Joan Robb sponsored student the White Pine chapter sponsored three additional students and the Southeastern chapter sponsored one additional student. The White Pine chapter applied for and was awarded a grant to fund their third and fourth sponsored students.

MBF 2011-02: \$150.00 to HVC (Irene Eiseman) for best student authored botanical projects presented at the Southeast Michigan Science Fair. See "MBF Featured Grant Recipients" below.

MBF 2011-03: \$1960.00 to Dr. Jianhua Li, Hope College, Holland MI to study the mycorrhizal system of *Pterospora andromedea* (pine-drops) using DNA sequence data. Dr. Li had three of his students involved in this research project. See "MBF Featured Grant Recipients" below.

MBF 2011-04: \$1428.00 to Pierce Cedar Creek Institute to protect several native ash trees from the Emerald Ash Borer. Pierce Cedar Creek Institute then erected educational signage along their trail system explaining the Emerald Ash Borer life cycle, showing diseased trees, and the chemical treatment methods they had used.

MBF 2011-05: \$1500 to Tomomi Suwa, a graduate student at MSU's Kellogg Biological Station. Tomomi's research project was titled "Do resource mutualisms limit plant distribution?" Not only is Tomomi working on resource mutualisms that involve native Michigan plants but she is actively involved in sharing her research with area high school students which we feel is helping to foster interest in plant research.

MBF 2011-06: \$1048.46 to Tyler Bassett to cover extra page charges in his article titled "Annotated Checklist of the Flora of Kalamazoo Nature Center with Natural Community Descriptions". Tyler's article is printed in *The Michigan Botanist* vol. 50 no.2.

MBF Featured Grant Recipients

1) The **Huron Valley Chapter** received a grant for \$150.00 to fund awards for outstanding botanically-related exhibits at the 53rd annual Southeast Michigan Science Fair held March 11, 2011 at Washtenaw Community College. Of the more than thirty botanically-related exhibits, three were judged to be outstanding in their scientific presentation and content. At the high school division, 1st place was awarded to Lilia Popova from Huron High School for her exhibit titled "The Effects of Impure and Contaminated Water on the Germination Period of

Michigan Botanical Foundation Report (Continued)

Phaseolus lunatus". At the Middle School division there were two 1st place awards, Robin Laurinecs from South Arbor Academy who conducted an experiment to answer the question "Does the Population of Plankton Differ between Late Summer

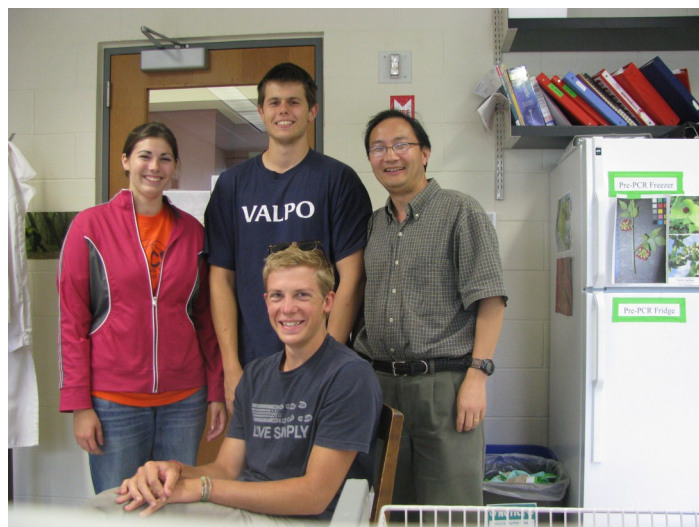


Lilia Popova (L), Robin Laurinecs (M), and Maximilian Segawa (R)

and Early Winter?", and Maximilian Segawa from Forsyth Middle School who presented "Feed Me! A Guide to Carnivorous Plants". Each of these students received a \$50 gift certificate to Barnes and Nobles bookstore in acknowledgement of their exceptional work and interest in the botanical sciences.

2) **Dr. Jianhua Li** and his students from Hope College, Austin Homkes, Jianhua Li, Jeffrey Corajod, and Holly Vander Stel, received a grant to investigate the plant fungal relationships of pine-drops, *Pterospora andromedea*, which is listed as a threatened species in Michigan. With help from Steve Ross of

Mecosta County, they located and sampled two pine-drops plants. Pine-drops are parasitic plants that obtain their energy indirectly from host plants by attaching to mycorrhizal fungi that are themselves attached to the photosynthetic host plant. Dr. Li and his students obtained DNA sequences from both the host plant roots that penetrated the pine-drops root ball and fungi that formed a mycorrhizal sheath over the fine roots of the pine-drops plant. Their results confirmed that the fungus associated with pine-drops in Michigan belongs to the same genus *Rhizopogon* as those plants in the Pacific West. The photosynthetic plants in this three way system included hemlock and sugar maple. They did not find an association of pine roots with the pine-drops however that could be due to limited sampling. Their study, published in *The Michigan Botanist* vol.50 no.3, provides important information relevant to the conservation of this threatened species.



Austin Homkes (sitting), Jianhua Li, Jeffrey Corajod, and Holly Vander Stel (standing from right to left)



Congratulations on Your 100th Birthday Annette!

MBC member Annette van der Schalie celebrated her 100th birthday March 4th at the Chelsea Retirement Home. Annette has been a member of the Huron Valley Chapter since its founding in 1960, and may be an even longer member of MBC!

Nominating Committee Report

At the Michigan Botanical Club State Board Meeting, Saturday February 11, 2012, (see minutes) Robert Kelly, who kindly volunteered to be Interim Treasurer, was approved by the Board to fill the remaining term of Lynda Pelkey who asked to be relieved of her duty as Treasurer. In explaining his qualifications, Robert told of his many years experience as treasurer of a lake association, and many years of experience with oversight of large library collections. He currently is Collection Development Librarian at Eastern Michigan University.

The biennial nominating process of Officers for the January 1, 2013 - December 31, 2014 term has started. The President appoints the Nominating Committee of at least three active members, of whom at least one must not be a Board member, to draw up a slate of at least one candidate and not more than three for each office.

We are happy to announce that all five currently serving officers: Judy Kelly, President; Emily Nietering, Vice President; Robert Kelly, Interim Treasurer; Lynn Steil, Recording Secretary and Mary Danforth, Corresponding Secretary have agreed to serve another term. This slate will be presented to the MBC State Board for certification at the May meeting. A report will be published in the Fall Arisaema along with the Constitutional Articles concerning elections. If no written petitions have been received by no later than September 1 by the Chair of the Nominating Committee for further nominations, the certified slate will be declared elected.

Respectfully submitted,

Sarah Nooden, Chair & HVC Director-at-Large
Joshua Pope, V.P. Red Cedar Chapter
Ken Kirton, Southwest Chapter

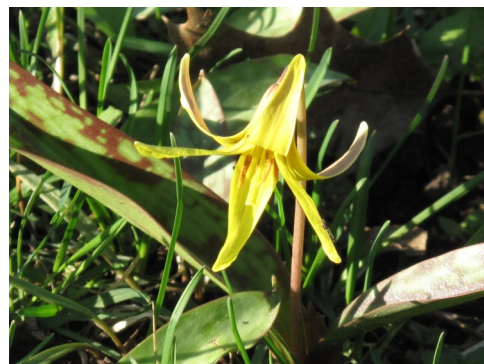
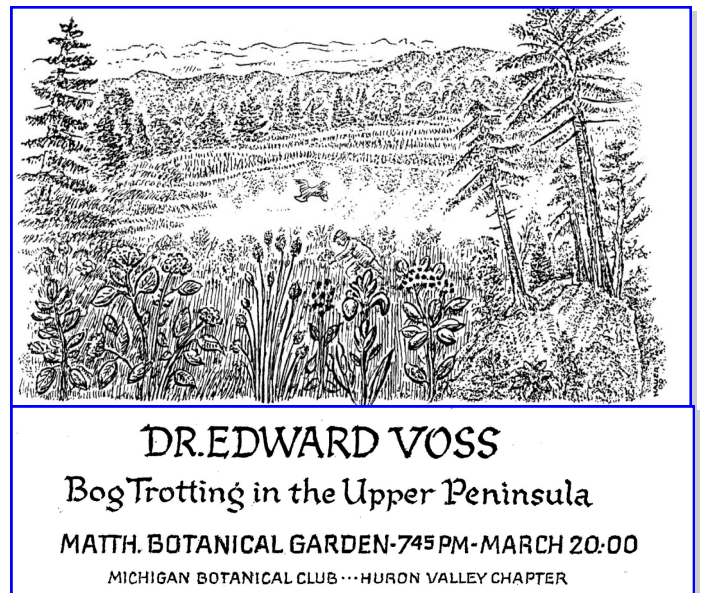
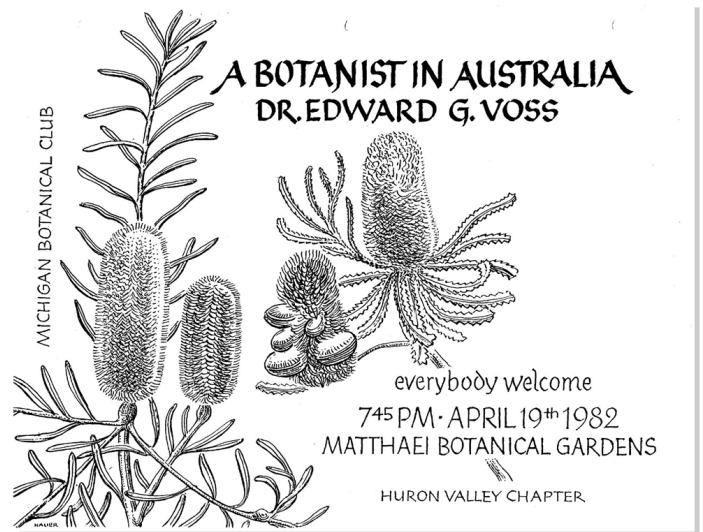


Photo by Sarah Nooden

Erythronium americanum Adder's
Tongue / Trout Lily

Memories



President's Report (Continued)

(Continued from page 2)

of a botanical journal. The result was *The Michigan Botanist*, a quarterly journal. The first issue came out in March 1962, and the second in September. The first editorial board appointed by the Michigan Botanical Club board of directors included: [Edward G. Voss](#) (editor-in-chief), Rogers McVaugh, Alexander H. Smith, Richard Giles, [Warren H. Wagner, Jr.](#), and Warren Stoutamire. Laura Roberts served as business manager.

When the Ann Arbor news would make a faux pas, botanical or otherwise, we could be sure that a letter to the editor by Ed



would be forthcoming. Once the Ann Arbor News had an article about a monastery in the Keweenaw that produced thimbleberry jam and they implied that thimbleberries

only grew in the Keweenaw. As any reader of Michigan Flora knows, thimbleberries grow throughout the Upper Peninsula and the northern Lower Peninsula and were one of Ed's favorite plants. The Ann Arbor News got quite the dressing down from Ed.

In August 2009, the club, along with the University of Michigan Biological Station, sponsored a MBC Mini-foray and Dr. Edward Voss Celebration Weekend at UMBS. Ed gave a talk on Thomas Nuttall in Michigan 1810 and led a field trip to grass bay, near Cheboygan, MI. I am very glad that the MBC held this event while Ed was still able to participate.

As many of you already know, the new Field Manual of Michigan Flora by Ed Voss and Tony Reznicek has just been published. It is a wonderful accomplishment for them. I urge all of you to get a copy and bring it to the Spring Foray.

I wish to thank all of you who support the club. This year we will be returning to UMBS for our Spring Foray. I know that the HVC has worked hard to make this a successful foray.

I look forward to meeting all of you at future club events. Please feel free to contact me at hfcckelly@gmail.com with any comments or suggestions.

Sincerely,

Judy Kelly
President

Michigan Botanical Club

MBC, Inc., Treasurer's Report

Inflows		
<i>Membership Dues</i>		
Huron Valley Chapter	\$490.00	Dues paid thru '11
Red Cedar Chapter	\$161.00	Dues paid thru '11
Southeastern Chapter		Dues paid thru '10
Southwestern Chapter	\$378.00	Dues paid thru '10
White Pine Chapter	\$476.00	Dues paid thru '10
State Members (Non-affiliated)	\$1,911.00	
Total Membership Dues	\$3,416.00	
PayPal Verifying Deposit	\$0.14	
Collected for MBF YTD (sent in w/ state dues)	\$266.00	
Interest Earned	\$871.54	
Hanes Trust (MB Business Manager Stipend)	\$2,000.00	
Total Inflows	\$6553.68	
Outflows		
Arisaema Printing & Postage	\$1,808.27	
Award, Distinguished Service	\$380.29	
State of MI 09 Non-Profit Registration Fees	\$20.00	
Project Expenses: MEC Membership	\$100.00	
Web Site	\$105.00	
Office Expenses, Postage, Labels, Checks	\$18.35	
Network Solutions (domain hosting '10-'15)		
Paid to MBF (donations w/ membership dues)		'09-'10 donations
Michigan Botanist Annual Assistance		
Michigan Botanist Subscriptions (Special Members)	\$1,476.00	
Michigan Botanist Business Manager Stipend	\$1,500.00	
MBC Board Evaluation - NEW - Board 360	\$445.00	
Total Outflows	\$5,852.91	
Balance Sheet		
Opening Balance	\$63,237.10	
Gain (Loss)	\$700.77	
Ending Balance	\$63,937.87	
YTD Account Balances		
Checking	\$1,344.14	
Savings	\$112.47	
TIMM	\$12,789.77	
CD	\$49,691.49	
Total in the bank	\$63,937.87	
Hanes Trust Michigan Botanist Business Managers Stipend Summary		
Received from Hanes Trust 1/27/06	\$2,000.00	
Received from Hanes Trust 2/1/07	\$2,000.00	
Received from Hanes Trust 6/26/08	\$2,000.00	
Received from Hanes Trust 7/15/09	\$2,000.00	
Received from Hanes Trust 6/3/10	\$2,000.00	
Received from Hanes Trust 8/16/11	\$2,000.00	
Helen & Alex Smith Memorial Fund summary		
Received from TCF CD transfer 10/03/03	\$31,848.79	
Balance remaining to date	\$31,848.79	
— Respectfully submitted, Lynda L. Pelkey, MBC Treasurer		

Minutes of the State Board Meeting: October 8, 2011

Hidden Lake Gardens, Tipton, MI

Members Present: Tyler Bassett, Becky Csia, Mary Danforth, Irene Eiseman, Patrick Fields, Richard Fowler, Judy Kelly, Pam Laureto, Mark Ledebuhr, Emily Nietering, Larry Nooden, Sarah Nooden, Lynn Steil, Bev Walters, Alice Ward

Call to Order: MBC President, Judy Kelly, called the meeting to order at 12:12 p.m.

1. Agenda approval: Red Cedar Chapter status was added to "other" under Old Business. Sarah Nooden moved to accept the agenda as amended, Tyler Bassett seconded, unanimous approval.

2. Approval of Minutes: Sarah Nooden moved to approve the minutes, Irene Eiseman seconded, unanimous approval.

3. Announcements:

A. Welcome to new members of the board: None were present.

B. Updated president's email list: List was passed around for updating.

C. Spring Foray 2012: Huron Valley Chapter is planning the next foray at the U of M Biological Station. Larry Nooden announced that the planning of the next foray is in progress. He said that it will be the "only foray you'll hear shore-lapping". The cabins have indoor plumbing but you may opt for student cabins. The MBC is being very welcomed. He said that some nice field trips are being planned.

4. Old Business:

A. Michigan Consortium of Botanists: It was announced that there have been small meetings in Hillsdale and that they are still organizing. Bev Walters has given a demo of the online version of the New Michigan Flora which is now in press. Larry Nooden suggested the the Michigan Consortium of botanists focus group share plans and insights with Michigan Botanical club. Tyler Bassett said that there is a plan for a website and thoughts to invite the coordinator to speak at our next Board meeting.

B. Distinguished Service Award and Lifetime Achievement Award: Larry Nooden submitted a list of suggestions and questions for each award. Much discussion ensued. It was also suggested that each chapter recognize accomplished members that may not be known by other chapters. Mark Ledebuhr moved that we add a special recognition award as discussed with specific details be provided by the V.P. Larry Nooden seconded. After discussion Becky Csia suggested that we vote on this after the details are ironed out. Judy Kelly tabled the discussion and motion until this is done. Pam

Laureto suggested an award committee be formed. Tyler Bassett suggested that Chapter Presidents or a chapter representative. Emily agreed to prepare a summary of each award discussed for the January meeting. Judy Kelly thanked Larry Nooden on the list of suggestions and questions regarding the Lifetime Achievement Award.

C. Isabel Dickenson Award: Pam Laureto announced that the award committee has decided on awardees for 2006,7,9,10. Awards decided several years ago was \$100. The Foundation has agreed to increase the award to \$250 starting with the next publication. The awardees will be announced at the general meeting to follow.

D. Use of email for club business: Much discussion followed regarding sharing of documents. It was expressed by several that the website should be the venue for this to take place. Lynn Steil said she would contact Andy Sawyer to put the minutes on the website to they can be viewed prior to the January meeting.

E. Red Cedar Status: Mark Ledebuhr reported on the status of the Red Cedar Chapter. He said that with a membership of less than 20 it looked grim. With no president or vice president they may go until Christmas and dissolve. Much discussion followed. It was suggested that a review of the survey be done to help address this. It was agreed that the executive board members as a committee use the Board 360 report to make suggestions to the Red Cedar Chapter.

5. New Business:

A. Board 360 Survey: Judy Kelly said that 60% of the board members participated (16 participants) Pam Laureto said this may be symptomatic of our problems. Discussion followed. Mark moved that with regards to futuring activities of the club the executive committee has the authority to engage services they deem necessary with a cap of \$5000. Tyler Bassett seconded. Motion passed with a clear majority.

B. Wildflowers of Detroit application for iPhone.

6. Reports

A. WebMaster -- Andy Sawyer: No Report

B. Corresponding Secretary -- Mary Danforth was concerned about the ability to use the website for the *Arisaema*. Judy Kelly thanked Mary for agreeing to take on the business of the *Arisaema*.

C. Michigan Botanical Foundation -- Pam Laureto

D. The Michigan Botanist -- Todd Barkman.. Todd has agreed to continue as The Botanist editor.

E. Lynda Pelkey provided a treasurer's report for everyone

October 8, 2011 minutes (Continued)

7. Next meeting will be Saturday, January 28, 2012 at Fenner Nature Center. *Snow date:* Saturday, February 11, 2012 at Fenner Nature Center

Judy Kelly adjourned 1:50 pm

Respectfully submitted,
Lynn Steil
Recording Secretary

Spring Sightings



*Robin & Marsh
Marigold*

Photo by Judith Kelly

Minutes of the State Board Meeting: February 11, 2012

Fenner Nature Center, Lansing, MI

Members Present: Todd Barkman, Becky Csia, Irene Eiseman, Richard Fowler, Judy Kelly, Robert Kelly, Pam Laureto, Emily Nietering, Larry Nooden, Sarah Nooden, Joshua Pope (RCC v.p., non-board member), Lynn Steil, Bev Walters, Alice Ward

1. **Call to Order** 12:06 pm by Judy Kelly\
2. **Approval of Agenda & Minutes:** Judy Kelly called for approval of the agenda. Approval was passed.
 - a. Pam Laureto moved to approve the minutes of Oct. 8, 2011, Todd Barkman seconded, motion passed.
 - b. Pam Laureto moved to approve the minutes of Nov. 18 Executive Committee Meeting at Fenner Nature Center, Emily Nietering seconded, motion passed.
3. **Roberts Rules of Order --** President Kelly said that our constitutional by-laws require us to use Roberts Rules of Order. Also, in response to comments on the 360 Report regarding the MBC Board meetings, President Kelly presented a portion of a video on Roberts Rules of Order. The pertinent issue discussed regarded the process for discussion recognition following a motion. The president will ask for hands to be raised and will call on members in order to speak before anyone can speak a second time. This process was used in today's meeting.
4. **Announcements**
 - a. Bev Walters announced that Ed Voss was home from the hospital with hospice in attendance.
 - b. Sarah Nooden passed the revised brochure around for update.
 - c. President Kelly passed her board member list around the table for e-mail and phone # updates as well as adding cell phone numbers for her use only.

- d. President Kelly passed around the Appalachian Forest School information around to members.
- e. President Kelly passed around the Isle Royal Botany Workshop information around to members.

5. Committee Reports

- a. **Awards** - Emily Nietering gave us the discussed criteria for the Lifetime Achievement Award. Emily moved the criteria for the Lifetime Achievement Award be accepted. Sarah Nooden seconded. Motion passed.
 - Emily gave us the discussed criteria for the Special Recognition Award.
 - Emily moved to accept the award criteria, Alice Ward seconded. Discussion followed.
 - Irene Eiseman questioned the meaning of the word, contribution.
 - Richard Fowler moved to amend the motion to eliminate "up to X awards" in the wording, Pam Laureto seconded, Discussion, Motion passed.
 - Robert Kelly moved that we table the Lifetime Achievement Award motion so Emily can edit & bring back for viewing via e-mail & action can be taken at the next board meeting. Motion passed. The original motion to accept was tabled.
 - Richard Fowler asked about the absence of the Lifetime Membership award.
 - Emily thanked Richard for making that point and indicated that it would be added.
- b. **Big Trees** -- Andy Sawyer, no report
- c. **Web Master** - President Kelly announced that Andy Sawyer indicated by e-mail that he asked to be relieved of this chair/duty. President Kelly said that he apparently was still active with the Big Tree

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February 11, 2012 minutes, Continued

(Continued from page 19)

- project. Discussion followed. President Kelly said that she will express the Board's appreciation for his work on the website. Irene Eiseman said that each chapter president should learn to edit their chapter information on the website.
- Todd Barkman moved that a small stipend be offered to one individual to design/run the website with what is expected. Pam Laureto seconded. Discussion followed.
 - Richard Fowler moved that the motion be tabled and the website stipend be referred to committee. seconded by Irene Eiseman. Motion was passed. Original motion was tabled. Irene Eiseman, Bev Walters, Judy Kelly volunteered to serve as an ad hoc committee and report to the Board as soon as possible.
- d. *The Michigan Botanist* - Todd Barkman expressed a need for manuscripts. This problem is due in part to a lack of research funding. He asked the Board to solicit our chapters/universities for articles. Suggestions included biographies and reports of a historical nature. Judy suggested that we send ideas via e-mail to Todd.
- Todd expressed the need for the Michigan Botanist to receive the annual \$1000 as was approved in 2010 for 2011.
 - Pam Laureto said since the 2011 funds were not sent to The Michigan Botanist that both the 2011 and 2012 funds should be provided.
 - President Kelly asked Todd to have The Michigan Botanist business manager send an invoice to the treasurer.
- e. *Nominations* - Sarah Nooden said that the nomination process for the next board election will begin. A need for volunteers was expressed. Joshua Pope volunteered as a non-board member.
- f. *Corresponding Secretary* - Mary Danforth was not present but sent word that Feb. 29 is the next deadline for the *Arisaema*.
- g. *Michigan Botanical Foundation* - Pam Laureto announced that the Michigan Botanical Foundation Board would like to send letters to universities/colleges about funding for potential student research projects. Also provided would be the opportunity to publish in The Michigan Botanist. A photograph and paragraph of project would be in the *Arisaema*.
- Todd Barkman reminded everyone that The Michigan Botanist is a peer reviewed publication.
 - Pam also clarified to everyone that one student is funded for the foray. The second student is the chapter's responsibility. Chapters wanting additional students to be funded must apply with a written request for each.
- h. *Treasurer*- The treasurer's report was sent by e-mail. President Kelly announced Linda Pelkey's request to be relieved of her duty as treasurer. Robert Kelly has kindly volunteered to be interim treasurer. Sarah Nooden moved that Robert Kelly be our interim treasurer. Pam Laureto seconded. Robert discussed his extensive experience. Motion carried.
- i. *Spring Foray* - Larry Nooden announced that the information/plans for the spring foray at the U.M. biological station at Pellston are almost ready for the *Arisaema*.
- j. *History & Archives* - Rob Riepma no report
- 6. New Business**
- a. Method of approval of minutes & other business - consent agenda: Irene Eiseman moved that a consent approval committee be elected for minutes approval. Discussion followed. Pam Laureto amended the motion to read that the minutes be sent to the executive committee for approval. Becky Csia seconded, motion passed. Irene Eiseman moved that the motions & actions be indicated with a line indicator & be distributed by e-mail 1 month after the Board meeting. Seconded by Todd Barkman. motion carried.
- b. *Michigan Natural Areas Council* - Judy Kelly announced that MNAC would like to dissolve and rejoin MBC and be a committee within the club. Pam Laureto suggested the director of MNAC speak to the Board regarding their intentions. President Kelly will contact Chris Graham.
- c. New committees (See Committee Charter Guidelines handout)
- d. Board 360 report from the NEW center - President Kelly referred to her letter to Board members. Much discussion followed. Many suggestions were given.
Pam Laureto moved that we forgo everything else to work/focus on the Board 360 Report only. Todd Barkman seconded. Discussion followed including the meeting be held at the spring foray in a split session during the weekend. Motion passed.
- e. Report from Chapter presidents - Larry Nooden. President Kelly asked Larry Nooden that the responses to his questions he asked the chapter presidents be disseminated to the Board prior to the foray. He agreed.
- 7. Old Business**
- a. Michigan Consortium of Botanists - no discussion
- Future State Board Meeting:** Spring 2012 at the Foray at the University of Michigan Biological Station, Pellston, MI HVC hosting
- Pam Laureto moved to adjourn, Robert Kelly seconded.
President Kelly adjourned 3:32pm
- Respectfully submitted,
Lynn Steil
Recording Secretary