



Arisaema

Michigan Botanical Club State Newsletter

Volume 19, Issue 1 • April 2013

Corresponding Secretary's Report

Welcome to Spring 2013, the Spring *Arisaema* and the opportunity to register for the Spring Foray. The Spring Foray will be held at Calvin College in Grand Rapids, MI, and includes many field trip opportunities (as always) and interesting speakers. Register now for this Memorial Day Weekend event – May 24-27. This year please fill out one registration form PER PERSON. Make a copy of the yellow registration form, front and back, if you need extras.

Judy Kelly received an interesting phone call earlier this year from the Ludington Michigan Police department. It seems that a man in Ludington has been charged with a murder of a baby last summer, but the police cannot locate the body. When they examined the suspect's shoes, they found *Carex atlantica*, *Carex interior* and some sphagnum in the treads of his shoes. The police want to do a grid search of Nordhouse dunes this June in an attempt to locate the body. Detailed information about the search and how to volunteer is included (see page 2). The

search would take place on June 28 & 29 and they are looking for some botanically inclined volunteers to assist.

All of the photos in this Spring *Arisaema* were taken by Charles Peirce and were retrieved from this website with his permission: <http://www.carsoncity.k12.mi.us/~hsstudent/wildflowers00/index.html>.

And one final reminder: We are able to deliver the *Arisaema* to members electronically as well as by U.S. Mail. Many members have indicated their preference, but some have not yet given their feedback as to how they would like to receive this newsletter. These are your choices: U.S. Mail only, Email only, or BOTH. If no indication is given, you will continue to receive the *Arisaema* via U.S. Mail only. Send me an email at [REDACTED] or call me at [REDACTED] to indicate your preference. THANKS!

Sincerely,
Mary Danforth
Corresponding Secretary

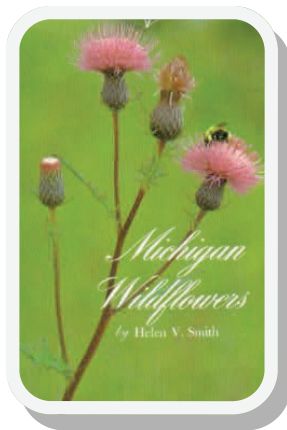
Table of Contents

Corresponding secretary's report	1	MBC State Board Meeting, Oct. 2012	16
President's report	2	MBC State Board Meeting, Jan. 2013	18
MBC Fall Meeting 2013	2	MBC, Inc., Treasurer's Report	20
Forensic Search for Baby Kate	2	Spring Foray and Fall Meeting Schedule	21
2012 Spring Foray	3	MBC Website Update	22
Spring Foray & Fall Meeting Schedule	5	Application for Forensic Search	23
2013 Directory	12		

President's report

Greetings from your MBC President

At the January 26, 2013 State Board winter meeting, Chris Graham and Phyllis Higman made a presentation to the board about the fate of the Michigan Natural Areas Council (MNAC). The MNAC originally started as a committee of the Southeastern Chapter and eventually became a 501(c)(3) non-profit organization. The MNAC is considering disbanding and exploring its options.



The club is looking into the copyright of Helen Smith's *Michigan Wildflowers* book with the aim of potentially reprinting it. There was also a discussion about updating and reprinting Helen Smith's *Winter Wildflowers* booklet.

The Board of Directors is working on a revised mission statement for the club.

The club's website has had a complete makeover by webmaster

Aaron Fown. See the MBC Update article in this issue for details. You can view the website at: www.michbotclub.org

Suggestions have been brought forth at the Board meetings concerning a possible name change for the club. This issue has been tabled.

I look forward to meeting all of you at future club events. Please feel free to contact me at [REDACTED] with any comments or suggestions.

Sincerely,

Judy Kelly
President
Michigan Botanical Club

MBC Fall Meeting 2013

Save the Date! Saturday October 12, 2013 will be the Michigan Botanical Club State Fall Meeting, hosted by the Huron Valley Chapter and held at the Gerald E. Eddy Discovery Center in the >20,000 acre Waterloo State Recreation Area near Chelsea, Michigan. A wonderful program on Alaska presented by Tony Reznicek, and a field trip centered on the evergreen lycopods led by Connie Crancer awaits us. Details in the Fall *Arisaema*.

Forensic Search for Baby Kate

The Ludington Police Department and Mason County Sheriff's Office are asking anyone possessing the knowledge in plant identification, to assist in locating specimens retrieved from the shoe of Sean Phillips who was last seen with his 4 month old daughter Baby Kate on 06/29/2011. Since this date Sean has been arrested and convicted of Unlawful Imprisonment of Baby Kate, however; to date refuses to say where he put her.

In a combined effort from Dr. Telewski from Michigan State University, Dr. Tony Reznicek from the University of Michigan, and Dr. Matt VonKonrat from the Field Museum in Chicago, several elements have been retrieved and identified from the shoes worn by Phillips the day Baby Kate disappeared.

Given the characteristics of these elements and habitat, we have established an area that would support all of these elements.

It is the objective of Law Enforcement to positively identify where Sean walked by eliminating areas we know he could not have gone. We feel that this could ultimately show us where he put Baby Kate.

We are asking that the application on page 23 be filled out for those who would be willing to search for these specific *Carex* and *Sphagnum*. The application is necessary to establish the number of people who will be involved in the search, their qualifications in plant identification, and information in setting up the teams for search.

We are looking to run a two day search on June 28th and 29th in Mason County. Food and lodging will be addressed once all applications have been received and we have a true number on searchers.

At minimum an area would be provided for tents as well as transportation to and from the search sites.

If you have a GPS please bring it should you find one of the specimen to write down the coordinates and report it to the line supervisor.

It is imperative that the applications be filled out and returned no later than May 1st. This is necessary to organize the search teams, lodging, and other support requirements.

Additionally, this will allow us to provide information to all the volunteers and updates regarding the search. This is an incredible opportunity for the Biology community to come together and use their skill and education to help solve a criminal case and bring justice to Baby Kate.

Please fill out the application and if you have any questions, please e-mail Detective Wells at [REDACTED]. A list serve will be created and communication will be handled via e-mail.

In advance I wish to extend my thanks to all and am looking forward to seeing you this summer. —Detective Wells

Spring Foray 2013: May 24-27

Welcome to the Michigan Botanical Club Spring Foray 2013 in West Michigan

Hosted by the White Pine Chapter at
Calvin College, 3201 Burton St. SE, Grand Rapids,
Michigan, 49546

Our White Pine Chapter (WPC) members have been looking forward to having you visit this part of the State of Michigan here in the central area of West Michigan. Calvin College is where we will be located and it has excellent rooms, food facilities and an outstanding campus



Eastern Green Violet
(*Hybanthus concolor*)
Washtenaw County
May 2009

including forests, plants, and wildflowers. We chose this site as it is by Grand Rapids and is easily accessible for statewide residents. All of you will be pleased with your opportunity to visit the many interesting botanical areas surrounding Calvin College.

The field trips we have scheduled for you will take you to see areas including sand dunes, prairies, woodlands, savannas, wetlands, bogs, oak openings, and Lake Michigan. All of our field trips will be led by experts in their field, and all of the field trips are easily reached from Calvin College. There are three evening programs planned for you with well-known speakers. Incidentally, most of our field trip leaders and speakers are WPC members.

This part of our state includes wildflowers and trees that are at the southern range of their northern growing pattern. At the same time, we have southern species of wildflowers and trees growing here at their northern range. In addition to all those species, we have many disjunct plants - those out of their normal growing range- that have somehow arrived in Western Michigan. This gives our West Michigan sites a remarkable



Dewberry (Rubus Hispidus)
Muskegon County, June 2011
Photo by Diane Peirce

opportunity for exploring our native plant areas.

The members of the 2013 MBC State Foray Planning Committee have worked all year to plan and expedite this, our White Pine Chapter's fifth opportunity to host a Spring Foray. The chairperson has been Janellie Bush; rooms and board have been directed by Dave Chambers; registration is under the direction of Barbara Lukacs Grob; the food selections are taken care of by Lynne Kinkema and Arlene Obetts; the treasury and participant handbook preparation is under the direction of Bob Riepma, and the keynote speakers and field trips have been selected by Roger Tharp, Dorothy Sibley, and Janet Skeberdis. Many WPC members deserve thanks for their enthusiastic help in planning this 2013 State Foray for your enjoyment.

We have an excellent field trip schedule planned and three evening speakers selected for you. On behalf of the White Pine Chapter, I welcome you to West Michigan.

—Dorothy A. Sibley, President, White Pine Chapter

Student Scholarships

Each chapter is responsible for paying the cost of meals and housing and arranging transportation for their sponsored scholarship students. Students should complete and send in their registration form with field trip selections as soon as possible. It is recommended that chapters select their student scholarship recipients by April 15. Chapters wishing to find roommates for their students may contact the registrar.

Michigan Botanical Foundation President Dr. Pam Laureto has sent information on MBF support to the chapter presidents.

(Continued on page 4)

Spring Foray (Continued)

Registrar Information

Barbara Lukacs Grob
2508 Meinert Road
Holton MI 49425

Questions? Please email the registrar.

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

General Information for Participants – Please Read Carefully

Calvin College is a college of the Christian Reformed Church and was founded in 1876. Its current enrollment is about 4300 students. Calvin College was chosen for the Foray due to its experience in hosting conferences and due to the fact that many of its faculty are members of the MBC or have participated in our activities. While the campus is located in a bustling metropolitan area, it is also located in the midst of great ecological diversity. The field trips and evening speakers will present but a small part of what this area has to offer.

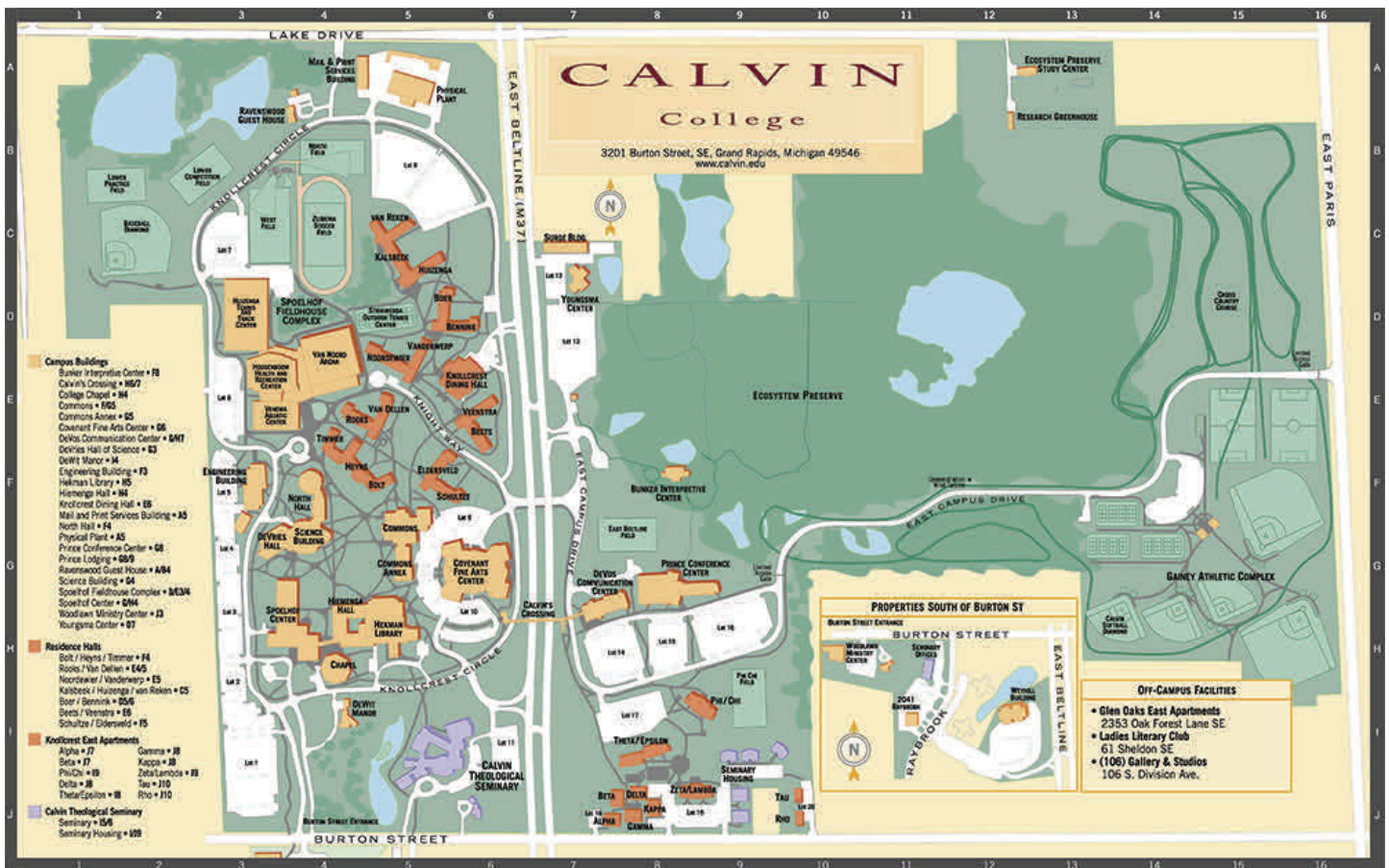
Travel Information: Detroit is about 150 miles, 2.5 hours away; Lansing is 63 miles, 1 hour away; and Kalamazoo is 51 miles, about 1 hour away.

Directions:

From the North: Take US31 or US131 to I-96. Go east to East Beltline exit; go south on East Beltline about 3 miles (4 traffic lights). The entrance to the campus is on the right side, just past Lake Drive. Turn right on Knollcrest Drive and go to either Parking Lot 9 or 10.

From the East: Take I-96 to the East Beltline exit; turn south on East Beltline and go about 3 miles (4 traffic lights). The entrance to the campus is on the right side, just past Lake Drive. Turn right on Knollcrest Drive and go to either Parking Lot 9 or 10.

From the South: Take US31 or I-96 or US131 to I-96 East. Take the East Beltline exit and go south on East Beltline about 3 miles (4 traffic lights). The entrance to the campus is on the right side, just past Lake Drive. Turn right on Knollcrest Drive and go to either Parking Lot 9 or 10.



Spring Foray (Continued)



Dewberry (Rubus Hispidus)
Muskegon County, June 2011
Photo by Diane Peirce

Upon Arrival: Check-in and Registration will be in the lobby of our assigned dormitory, Eldersveld/Schultze. Room assignments will be given to participants at that time, as well as your name tag which will serve as your meal ticket (there will be a Calvin College issued bar code on the back which must be shown as you enter the cafeteria). Field trip assignments will also be given to you at this time as part of your registration packet.

Housing: We will be in Eldersveld/Schultze Dormitory; rooms are set up as suites, with two bedrooms connected by a bathroom (no locks); each bedroom has two single beds in it. The dormitory is not air-conditioned. Linens are provided: sheets, pillow, pillowcase, towel and washcloth; replacement items are available by exchange. Dormitories have a laundry room and vending machines in the basement and a shared kitchen with micro and fridge on each floor. Dormitory assignment will be provided with registration confirmation. Keys will be issued by the Calvin staff person at the dormitory reception desk. Participants leaving early may check out Saturday and Sunday from 4:00-11:00pm, and are requested to also sign out at the MBC table in the dormitory.

Meals: Knollcrest Dining Hall provides serve yourself meals with separate serving stations. Food selections are varied, and will accommodate many dietary issues, but please do indicate on your Registration Form if you have special needs. Your meal ticket is the bar code on your name tag, which will be scanned as you enter the food line.

Lunches: Everyone's lunch will be served as a sack lunch, which must be picked up during breakfast. Coolers will be in the trip leaders' cars for both morning-only and full day trips. Because lunches must be picked up at breakfast, those going on half day trips will take their lunch with them; later they will collect their lunch at the end of the morning field trip.

Snacks: Vending machines are located in the basement of the dorm.

Parking: All parking will be in an assigned parking lot. Field trips will leave from that same parking lot. Your registration confirmation will include the parking lot number.

Phones: Since Calvin College is located in the city of Grand Rapids, cell phone access is fairly reliable. You may leave the following cell phone information for those at home to call for assistance in locating you in an emergency: Jelanie Bush, 231-██████████ Dave Chambers, ██████████ Barbara Lukacs Grob, ██████████

Calvin's main phone number is ██████████ or 1-800-688-0122.

Internet Access: Calvin College provides internet access campus-wide. There are two high-speed Ethernet ports in each bedroom.

Smoking: Smoking is allowed only in designated areas.

Alcohol, Illicit Drugs: Calvin College is a dry, legal campus and does not permit use or possession of alcohol or illicit drugs on campus.

What to Bring: Sturdy shoes, boots for wet areas, heavy socks, jeans, shorts, sweaters, jackets, rain-wear, hat, backpack or small duffel bag for field trips, personal water bottle, insect repellent, sun block, soap, etc.

Allergies: If you are allergic to bee or other insect stings, please carry your own prescription epi pen.

Spring Foray 2013 Schedule

Friday May 24

3:00-7:30	Check in and Registration in the Dormitory Lounge
6:00-6:45	Dinner in Knollcrest Dining Hall
7:30	Welcome, orientation and evening program. Speaker: Judge Ed Post on "Bird and Blooms - A Photographer's Celebration of Wild Birds and Flowers"

Saturday, May 25

All Field Trips assemble in Parking Lot. Please meet 15 minutes prior to departure.

7:15-8:00	Breakfast in Knollcrest Dining Hall Everyone will pick up their sack lunch
8:30-12:00	Morning half day field trips
8:30-5:00	Full day field trips
12:00-1:00	Break for sack lunch eating at your choice of location, but not in the dining hall
1:00-5:00	Afternoon field trips
5:00-6:00	Michigan Botanical Club State Board meeting in Dormitory Basement Lounge.
6:00-6:45	Dinner in Knollcrest Dining Hall
7:30	Announcements, Student Scholars introduced, and evening program Speaker: David Warners: "Loving Our Downstream Neighbor: Plaster Creek Stewards Watershed Restoration Initiative"
4:00-11:00	Dormitory check-out time for those <i>leaving</i> on Saturday.

Sunday, May 26

All Field Trips assemble in Parking Lot. Please meet 15 minutes prior to departure.	
7:15-8:15	Breakfast in Knollcrest Dining Hall Everyone will pick up their sack lunch
8:30-12:00	Morning half day field trips
8:30-5:00	Full day field trips
12:00-1:00	Break for sack lunch eating at your choice of location, but not in the dining hall
1:00-5:00	Afternoon field trips
5:00-6:00	Michigan Botanical Club Foundation meeting in Dormitory first floor Reading Room
6:00-6:45	Dinner in Knollcrest Dining Hall
7:30	Announcements, Student Scholars introduced, and evening program Speaker: Al Steinman, Director, Annis Water Resources Institute: "Climate Change and How It Will Affect the Great Lakes and the Surrounding Area"
4:00-11:00	Dormitory check-out time for those <i>leaving</i> on Sunday

Monday, May 27

All Field Trips assemble in Parking Lot. Please meet 15 minutes prior to departure.	
7:15-8:00	Breakfast in Knollcrest Dining Hall
7:00-11:00	Dormitory check-out time
8:30	Field trips leave

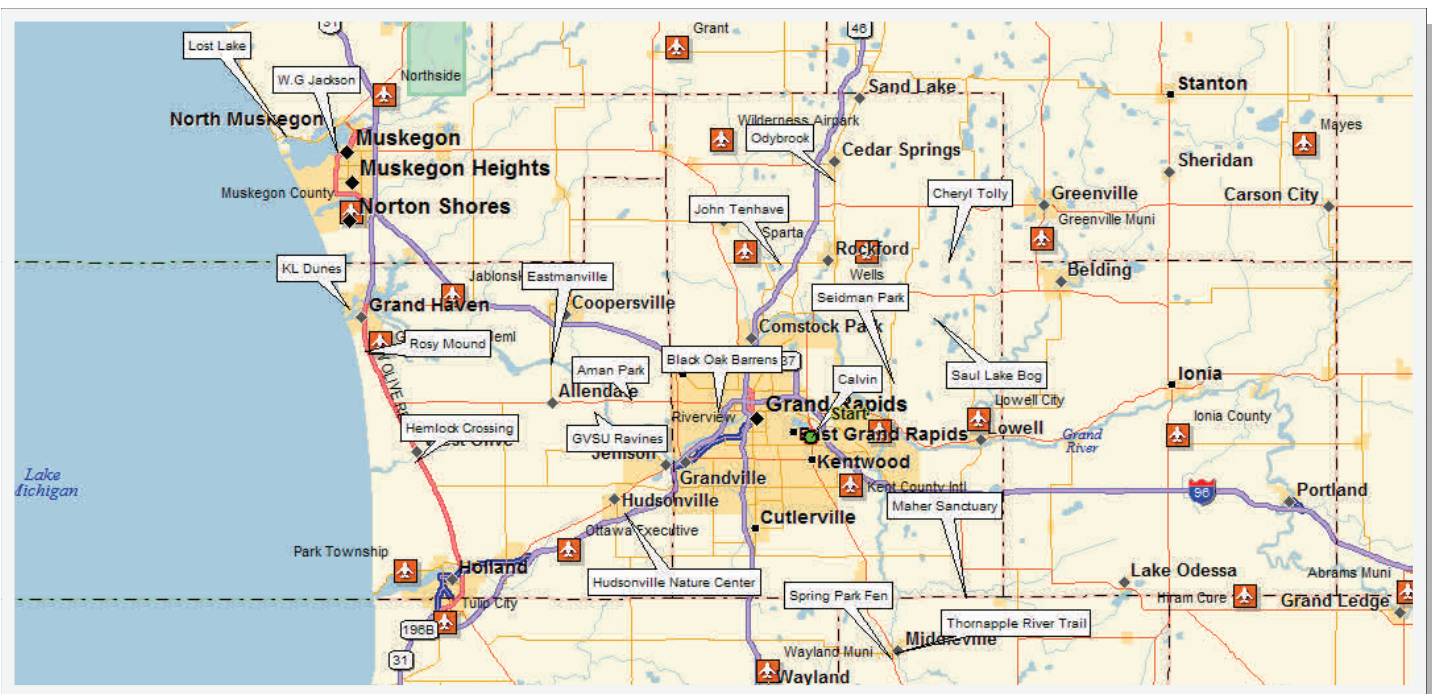


Spring Foray 2013 field trips

Saturday, May 25		
MORNING	AFTERNOON	All DAY
Aman Park	Aman Park	Annis Water Resources Institute / Sampling Cruise on the W.G. Jackson. Also: Lost Lake; Freshwater Sponges; Muskegon Lake Nature Preserve.
Wildflower Life Styles, Colors, and Survival	Black Oak Barren	Lindquist/Kitchel/Hartger Dunes Preserve and Rosy Mound Park
Seidman Park	Growing Native Plants and Establishing Natural Habitats to Restore an Urban Watershed	Hemlock Crossing and Eastmanville Bayou

Sunday, May 26		
MORNING	AFTERNOON	ALL DAY
Spring Park fen and Paul Henry-Thornapple Trail.	Grand Rapids Audubon's Maher Bird Sanctuary	Fern Grotto and Sandhill Farm and the TenHave Woodlands and Clear Lake
Hudsonville Nature Center	Hudsonville Nature Center	
Odybrook (flood plain)	Grand Valley State University Ravines and Molecular Lab	

Monday, May 27
MORNING
Meijer Gardens tour. May stay as long as desired.
Saul Lake Bog – Dry Hike, Boardwalk Only



Spring Foray 2013 Keynote Speakers & Field Trips

Friday Evening Keynote Speaker

Judge Ed Post "Birds and Blooms - A Photographer's Celebration of Wild Birds and Flowers"

This slide illustrated talk features the colorful and fascinating world of wildflowers and birds from a photographer's perspective. Whether looking down or looking up, the variety and life stories for these diverse inhabitants of the natural world provide abundant opportunities for the nature photographer to record compelling images. White Pine Chapter member Ed Post became a serious photographer in 1990 after attending the first of several workshops with John Gerlach and Rod Planck. Since that time, Ed has worked to hone his skills in photography and now shoots exclusively digital images. Ed leads annual workshops and photo tours. He is also a frequent lecturer on nature and landscape photography. His work has been widely published and he has received honors and awards in contests and exhibits. Ed also lends a hand to the busy photography staff of his hometown newspaper by accepting assignments to cover sports, features, and breaking news. To support his hobby, Ed serves as a Circuit Judge for Ottawa County, where he lives with his wife Barbara.

Saturday Evening Keynote Speaker

Dr. David Warners "Loving Our Downstream Neighbor: Plaster Creek Stewards' Watershed Restoration Initiative"

Plaster Creek has been described as the most polluted stream in West Michigan. The creek flows from agricultural areas south of Grand Rapids, through suburban neighborhoods, high-density commercial zones and finally through low-income and industrial areas. Storm water runoff causes this stream to fluctuate wildly, promoting significant erosion, debris dams, nutrient runoff and dangerous currents. In addition, Plaster Creek harbors bacterial levels higher than what is considered safe for even partial human body contact. This stream, known to native people of the region as "Ken-O-Shay" ("water of the walleye"), is now essentially a drainage ditch for human waste. In this talk, David will describe some of the history surrounding this watershed's advocacy group, The Plaster Creek Stewards (a collaboration of Calvin faculty, staff and students) and how they are working together with a group of community partners to restore the stream back to some of its former health and beauty.

David Warners grew up in Grand Rapids, Michigan and graduated from Calvin College with a major in biology and chemistry. His master's degree in Environmental Studies is from the University of Wisconsin-Madison, and his doctorate in Botany from the University of Michigan. Between graduate degrees, Dave and his wife Teri lived and worked for the Christian Reformed World Relief Committee in Tanzania from 1990-1992. He has been teaching botany and ecology courses at Calvin College since 1997. Dave's research/scholarship interests include restoration ecology, plant systematics and evolution, academically-based service learning and the

intersection of faith and science. Dave is an advocate for using native plants in urban landscaping and has helped design and establish over 30 native landscape plans at schools, parks and other locations in the West Michigan area.

Sunday Evening Keynote Speaker

Dr. Alan Steinman "Climate Change and How It'll Affect the Great Lakes and the Surrounding Area"

Dr. Alan D. Steinman is Director, Annis Water Resources Institute and Professor of Water Resources at Grand Valley State University, Muskegon, MI. His address will cover the following: an overview of climate change, including why it occurs and how we measure change over time; the potential implications of climate change with respect to temperature and water levels; the results, which indicate we will have warmer temperatures, more extreme weather events, and that various sectors of the economy will be affected in different ways; there will be winners and losers; finally, a review of possible solutions to this issue.

Dr. Steinman holds a Postdoctoral Research Fellowship from Oak Ridge National Laboratory, a Ph.D. in Botany/Aquatic Ecology from Oregon State University, and M.S. in Botany from the University of Rhode Island and B.S. in Botany from



Virginia Bluebells (Mertensia Virgenica)

Ottawa County, May 2008

Photo by Charles Peirce

the University of Vermont. Alan Steinman has been Director of Grand Valley State University's Annis Water Resources Institute since 2001. Previously, he was Director of the Lake Okeechobee Restoration Program at the South Florida Water Management District in West Palm Beach, Florida. Steinman has published over 120 scientific articles and book chapters, is on the Editorial Board of two scientific journals, and has been awarded over \$50 million in grants for scientific and engineering projects. Steinman's research interests include

Spring Foray 2013 Field Trips (Continued)

nutrient cycling in aquatic ecosystems, sustainability of water resources, restoration ecology, and algal ecology.

Field Trip Descriptions

Saturday Morning, repeated Saturday Afternoon Aman Park

Aman Park is a 331 acre natural area located in eastern Ottawa County, managed by the City of Grand Rapids in an area filled with many diverse ecological plant colonies; the foot paths are well maintained and easy to walk. Sand Creek winds its way through a magnificent Mesic Forest landscape, dramatically carpeted in wildflowers, boasting 75 spring-blooming species and an additional 65 summer species. Over 40 different species of trees occur within the park. We will be going along the lower Sand Creek valley and back through the upland bluffs on a two-mile hike. Specialties include Virginia Bluebells and Green Violet. Our West Michigan weather can produce lots of wildflowers early or late in the season, but you will see many blooming plants, trees and bushes throughout this preserve whenever you visit it.

Leaders: Bill Martinus and Leon (Chip) Schaddelee have botanized the area since the early 1970's. Both Bill and Chip have taught at several area schools. They have traveled together throughout the United States to conduct natural features inventories for numerous conservancies, National Parks, County Parks, and various corporations.

Saturday Morning

Wildflower Life Styles, Colors, & Survival

An indoor slide program will review wildflower natural history and include plant biological and ecological adaptations for survival. Photos illustrate plant parts showing adaptation secrets for survival. Pictures are used to review wildflower terms used in field guides before we venture into the Calvin College Ecosystem Preserve. Outdoors we will enjoy spring's exuberance of floral reproductive strategies and beauty. Program and field trip will be on campus. Wear appropriate field clothes and footwear for this upland walk of less than one mile through forest to elevated pond view platforms. Time: 8:30 to noon.

Leader: Steve Mueller (Ranger Steve) is a butterfly, nature and wilderness photographer, and a consummate naturalist with an endless fascination for the environment. The career of "Ranger Steve" has crossed six decades, since his start in the 1960s as a Michigan State Parks Ranger. He has served in the National Park Service, as a high school and college biology instructor, and as chief naturalist at three different nature centers, and has authored over 100 articles related to nature and interpretation. His photographic work has been published in national publications such as Sierra Magazine, high school textbooks, and Beautyway Post Cards. He was named *Outstanding Senior Interpreter*, by the National Association of Interpreters (NAI). He is one of the original members of the

Utah Lepidopterists' Society, recipient of the *William B Stapp Award* for environmental education. The NAI awarded Ranger Steve the *2010 Distinguished Interpreter Award*, the highest award they bestow.

Saturday Morning

Seidman Park

Seidman Park is a 422 acre natural area with diverse plant communities, ranging from fen and marsh to old field, lowland and upland forest, and hills of open sand. You will be guided through a number of the different habitats and plant communities, where Pam has documented a total of 517 vascular plant species. The history of the park and its pre-



Hairy Puccoon (Lithospermum carolinense)
Newago County, June 2004
Photo by Charles Peirce

settlement vegetation will be discussed. Participants will walk approximately 1 mile with only a few small hills. A boardwalk traverses the swamp woods so feet should remain dry.

Leader: Dr. Pam Laureto grew up in Oak Park IL, but summered in northern Michigan. It was on the beaches, sand dunes, and forests of the Sleeping Bear Dunes that she acquired her love for nature and the flora of Northern Michigan. Pam graduated from Aquinas College with a major in Biology, and then went on to earn her Master's and PhD in Biology from Western Michigan University. Upon completion of her Master's she began teaching Botany and General Ecology at Grand Rapids Community College, where she is currently a professor in the Department of Biological Sciences. Pam and her husband Tom have been married 37 years and have 3 sons and 3 grandchildren. Pam has been a member of the White Pines Chapter since 1992, was President of the MBC from 2003-2011, and is currently President of the Michigan Botanical

(Continued on page 10)

Spring Foray 2013 Field Trips (Continued)

(Continued from page 9)

Foundation (MBF).

Saturday Afternoon

Aman Park (program repeated from Saturday Morning)

See previous page.

Saturday Afternoon

Black Oak Barren and Savanna

This Black Oak Barren and Savanna is located on the west side of Grand Rapids with the highest quality area, about 10 acres, being along a power line right-of-way owned by Consumers Energy. The property runs through the Mines Golf Course which has granted access to the site and even equipment for past restoration efforts. Many of the savanna species are present because Consumers Energy removes encroaching woody shrubs and trees, an effort that has allowed many important species to thrive. Grasses such as Big Bluestem, Little Bluestem, and Indian Grass tend to dominate as a result of herbicide regimens but there are many high quality forbs to see during the early summer including Goat's Rue, Lupine, American Columbo, Hoary Puccoon among others. All of this makes it a rather exceptional little site within the City of Grand Rapids. The site is very hilly but accessible via golf cart paths (sorry, we won't have golf carts available). The Dew Berry can be thick in spots so open-toe shoes and shorts are not recommended.

Leader: Jesse Lincoln is a Conservation Associate for the Michigan Natural Features Inventory. Jesse has been a resident of Grand Rapids for the past 13 years. He received Bachelor and Master Degrees from Grand Valley State University, where he studied invasive species ecology. Currently he works for the Michigan Natural Features Inventory as an ecologist where he puts his passion for botany to work. Jesse currently is coordinating a project that inventories State land across the southern half of the Lower Peninsula. He is very interested in identifying and conserving small fragments of high quality ecosystems that remain throughout our region.

Saturday Afternoon

Growing Native Plants and Establishing Natural Habitats to Restore an Urban Watershed

We will tour Calvin College's native plant production greenhouses and native tree nursery and hear about how students and volunteers have been working together to propagate these native species, from fall seed collection to spring and summer planting. After visiting this facility, we will travel to a variety of locations in Grand Rapids to see where these plants end up. On Calvin's main campus we will see an 8-year old restored woodland/rain garden site and a lawn-to-shortgrass prairie project in process. We will also visit Catalyst Partners, a green building consulting group in downtown Grand Rapids that has a variety of habitats incorporated into its landscaping, including dry prairie, tallgrass prairie, woodland

and emergent wetland. All along we will hear and see how these native plantings are helping to reduce stormwater runoff and promote biodiversity and natural beauty in urban Grand Rapids. Other stops may also occur as time allows. Activity level for this field trip will be very low.



American Columbo (Frasera caroliniensis)

Berrien County, June 2010

Photo by Diane Peirce

Leaders: Calvin College staff: **Dr. Gail Heffner, Michael Ryskamp, and Dr. David Warners.**

Dr. Gail Heffner is Calvin's Director for Community Engagement and along with David started the Plaster Creek Stewards. Gail did her doctoral work in Urban Studies at Michigan State University. Mike is a 2011 graduate of Calvin College, where he double majored in International Development and Biology. David graduated from Calvin with a major in biology and chemistry and has a Masters in Environmental Studies from the University of Wisconsin-Madison and a PhD in Botany from the University of Michigan. (See remainder of David's bio under Saturday Keynote Speaker.

Saturday All Day

Annis Water Resources Institute/Sampling Cruise on the W.G. Jackson. Also: Lost Lake; freshwater sponges; Muskegon Lake Nature Preserve.

The trip begins with a tour of the facilities at the AWRI in downtown Muskegon on Muskegon Lake. The Institute consists of three Divisions: Ecological Research, Information Services, and Educational Outreach. A scientific team of investigators work in and out of this building doing cutting-edge land and water research.

After the tour, the group will board the 65 foot long W.G. Jackson Research-Education vessel for a 2.5 hour sampling cruise of Muskegon Lake and, weather permitting, Lake

Spring Foray 2013 Field Trips (Continued)

Michigan. Water quality parameters to be studied will include dissolved oxygen, pH, conductivity, turbidity, bottom sediments, and plankton analysis. Minimum age for participation is 10 years. This cruise will be free and open to a limited group of 24. This trip will take place rain or shine.

Annis Water Resources Institute/Sampling Cruise on the W.G. Jackson **Leader: Dr. Janet Vail**, Manager of the Educational Outreach Division of the Institute.

After lunch at the AWRI, the group will drive to the Muskegon State Park Lost Lake. Along the way, stops will be made to check out freshwater sponges and the Muskegon Lake Nature Preserve.

Lost Lake, Muskegon State Park

Lost Lake is located behind a forested Lake Michigan barrier dune. Lost Lake is considered a Coastal Plain Marsh and is one of only 42 locations occurring in ten Michigan Counties. It consists of two main habitats: wet (bog) and upland hardwood. This location has been rated with a Floristic Quality Index of 67 making it extremely significant in terms of native biodiversity and natural landscapes. Extensive walking over flat land will be involved at this location.

Trip Leader: Roger Tharp is a member of the White Pines Chapter. He taught biology for 32 years at Mona Shores High School in Muskegon. For ten seasons he was a science instructor aboard GVSU's Research-Education vessel, the D.J. Angus operating out of Grand Haven.



Red Trillium (Trillium erectum)
Alger County, May 2009
Photo by Charles Peirce

Saturday All Day

Kitchel-Lindquist-Hartger Dunes Preserve and Rosy Mound Park

This is your opportunity to have a guided tour of one of Michigan's natural treasures. You will be led through the sand

dunes at the Preserve to see some of the rare plants that only grow in sand dune areas along the Lake Michigan shoreline. Pitcher Thistle and other rare plants are located in this well-preserved dune area. The preserve has excellent foot paths leading through the dunes and the walk is an easy to moderate one for about one mile. Enjoy standing on the shore of Lake Michigan among spectacular dune plants.

Leader: Lynne Kinkema is a naturalist who has devoted much time in helping to further the success of this preserve. A devoted group of area people have met during the years to maintain the preserve, give tours, conduct plant surveys, and encourage school children to visit. The Preserve Committee Board is proud to announce the forthcoming Twenty Fifth Anniversary of this dune preserve.

We will eat our box lunches in the Dr. Mary Kitchel Outdoor Classroom before leaving for Rosy Mound.

Rosy Mound Natural Area

In the afternoon you will have the opportunity to visit one of the shining stars of the Ottawa County Parks system while being guided by a park naturalist. You will be able to climb the back side of a high wooded dune (400 steps) and along the way view the plant communities in the shady dune forest, up to the crest of Rosy Mound for a magnificent view of Lake Michigan. In comparison with your morning excursion, this will be a very different Great Lakes sand dune experience.

Leader: Ottawa County Parks Naturalist

Saturday All Day

Hemlock Crossing Nature Center and Eastmanville Bayou Area

The Hemlock Crossing Nature and Education Center is part of the Ottawa County Park System. The Center maintains exhibits, a classroom, a wildlife viewing area, and a gift shop. There are six miles of trails winding through 239 acres of woods and wetlands. Included is one mile of paved trail, with access to restrooms and picnic shelters. The unpaved trail system offers scenic overlooks, nature viewing areas, and a unique pedestrian bridge overlooking Pigeon River. The trails range from flat to hilly. Ottawa County Parks and Recreation Commission owns and manages 6000 acres of natural resource based parks and open spaces. The first part of this field trip will be a Power Point presentation providing an overview of the plant communities within the parks, including some rare communities and species. Then, there will be a short hike to explore the Hemlock Crossing Park, including its native grassland plantings. After lunch, the group will travel to Eastmanville Bayou Open Space to explore this riparian system which features many southern species at the most northern part of their habitat including Kentucky Coffee Tree and Pawpaw. This location also sustains an impressive display of Virginia Bluebells. This location is fairly flat and will involve some off-trail hiking.

(Continued on page 14)

Spring Foray 2013 Field Trips (Continued)

(Continued from page 11)

Leader, Hemlock Crossing: Melanie Manion is the Natural Resources Manager for Ottawa County Parks in Michigan. She is responsible for the stewardship and restoration of over 6000 acres of park and open space land, in addition to the development of a comprehensive volunteer program. Previously, Melanie worked for the Land Conservancy of West Michigan and Blandford Nature Center. She has a B.S. in Biology and Environmental Science and a M.S. in Conservation Biology from Central Michigan University.

Leader, Eastmanville Bayou: This portion will be guided by a naturalist from Ottawa County Parks.

Sunday Morning

Spring Park Fen and Paul Henry-Thornapple Trail

Spring Park, a MDNR certified wetlands area and fen ecosystem, is part of a Michigan Wetlands Conservation Easement. The fen has a spring fed creek, tamaracks, gentians, and several orchids. It is a pocket of fairly untouched water and vegetation right in the middle of Middleville, which has managed to exist through all the development around it. This fen has a Floristic Quality Index of 38.93 that makes it floristically important from a statewide perspective. We will then spend some time at the Paul Henry-Thornapple Trail. This has a 3 1/2 mile blacktopped section that features riverbank, bayous and millpond, meadow, and deep woods containing flora such as violets, trout lily, trillium, yellow iris, Turks cap lily, and various ferns. Long pants are recommended for the Trail, as we may walk through nettles; the ground may be wet in places.

Leader: Cal Lamoreaux has degrees from MSU in electrical engineering and math with graduate work in physical science at MSU and in Michigan Conservation from WMU. He has taught English, math, chemistry and physics. Cal has led many field trips for various groups including the North County Trail Association, and maintains web sites on fishing, outdoor adventures, paddling, dancing, birding and trails. He is a life member of the Michigan Audubon Society, and is a member of the National, Kalamazoo, and Grand Rapids Audubon Societies and is a past Board Member of the Kalamazoo and Michigan Audubon Societies. He is a lifelong student of Natural History including birds, mammals, plants, wild foods, immunology, astronomy, geology, mineralogy, and meteorology. Cal is excited to have the only Native American member of the mint family growing naturally next to his backyard, and to have had a pure white common milkweed appear in his yard last year.

Sunday Morning

Hudsonville Nature Center

The Hudsonville Nature Center is a 75 acre preserve owned by the city of Hudsonville which opened to the public in 1989. There is a mixture of habitats from openings and prairies to woodlands and small pocket wet areas with a stream flowing through. Beginning in 1991 an approximately 6 acre prairie

restoration was planted in 3 stages. The woodlands abound in spring wildflowers including a healthy population of Jeffersonia. There is an amazing vista of wildflowers throughout this nature preserve, plus flowering trees and bushes. The prairie includes many unique prairie plants (best seen in the fall). Wetland plants, woodland plants and field flowers are easily located in this well managed preserve.

Leader: Craig Elston has been a Naturalist for 20 years and involved with the Nature Center for 25 years. He was responsible for planting the prairie area. His expertise with plants and birds is remarkable and you will learn much about



Pink Ladyslipper
(*Cypripedium acaule*)
Alger County, June 2012
© Diane & Charles Peirce

our native plants and animals. Be sure to bring a hat, wear walking shoes and remember to bring insect repellent. Your walk will introduce you to some old favorites plus many unusual wildflowers.

Sunday Morning

Ody Brook Nature Sanctuary Botanical Exploration

The morning will be spent exploring field, forest, and floodplain habitats at Ody Brook Nature Sanctuary. Much of the sanctuary is upland but we will also stalk the secret lives of plants on the lowland floodplain. There is a footbridge over Little Cedar Creek and small steel bridges over a tributary spring that flows from the upland cut bank. Woodpeckers have heavily hammered large ash trees this winter and it is expected the trees will succumb this year from the Emerald Ash Borer epidemic. Wear appropriate field clothes and footwear. Total walking distance will be less than one mile.

Leader: Steve Mueller (Ranger Steve) See bio listed under Saturday morning trip.

Sunday Afternoon

Maher Sanctuary

Spring Foray 2013 Field Trips (Continued)

Maher Sanctuary is owned by the Grand Rapids Audubon Society. It contains a series of wetlands surrounded by glacial features and mature forest. The wetlands include a sedge meadow, a marl pond, an extensive shrub swamp and two branches of Caine Creek. There is a nice meadow along the south loop of the main circle trail. Because of the wetlands, much of this trail is a boardwalk, however hiking boots are recommended.

Leader: Cal Lamoreaux (see bio under Spring Park Fen)

Sunday Afternoon

Hudsonville Nature Center (program repeated from Sunday Morning)

See above.

Sunday Afternoon

Grand Valley State University Ravines and Molecular Lab

The Grand Valley State University Ravines, located on the GVSU campus, provide a beautiful and diverse habitat of Michigan plants. Formed through erosion from streams flowing to the Grand River, the Ravines are topographically diverse and host a well-developed eastern deciduous forest and riparian communities along the Grand River. Along with numerous tree and shrub species, you will have the opportunity to see Pawpaw, near its northern geographical limit, Virginia Bluebells, a Michigan endangered species, and a host of spring ephemerals. This hike will involve some steep trail-climbing. After exploring the Ravines, you will have the opportunity to visit the GVSU Arboretum and take a short tour of a modern plant molecular systematic research lab.

Leader: Dr. Tim Evans grew up in the State of Wyoming. He earned his BS and MS degrees in Botany from the University of Wyoming and then went on to the University of Wisconsin-Madison to obtain his PhD in Botany in 1995. He did two years of postdoctoral work at Miami University of Ohio. From 1997 to 2008 he was on the faculty of Hope College, and since then on the faculty of GVSU. As an Associate Professor in the GVSU Biology Department, he teaches classes in Systematic Botany and Plants and Islands.

Sunday All Day

Fern Grotto and Sandhill Farm and the TenHave Woodlands and Clear Lake

The trip begins at Sandhill Farm where the owner has developed it by increasing the number of wildflowers by conducting plant rescues and by maintaining the pre-existing diversity on the farm. Some of the plants rescued include unusual species such as Red Trillium, Cimicifuga, and Starry Solomon's Seal. The focus of Sandhill Farm is primarily herbaceous woodland species and ferns. There is also a 25 acre plot planted with native grass seed from the Newaygo prairie, including Big Blue Stem, Indian, Little Blue and Switch grasses. She has 27 woodland species and 9 ferns. Of special interest is the Fern Grotto which includes

large stands of spectacular ferns. One result of all the native plants on her property is incredible bird watching. There are Northern Shrikes, Meadow Larks, numerous hawks, owls, and warblers among many other birds.

Leader: Cheryl Tolley works full time as a professional gardener in residential gardens. Her main interest is helping homeowners increase the number of natives they are planting and teaching them the benefits that native plants bring. Cheryl has taught classes for Frederik Meijer Gardens, Master Gardeners and garden clubs. She conducts tours of Sandhill Farm and the Fern Grotto. Cheryl has worked as a professional gardener for over 16 years. She is a charter member of the Wildflower Association and the Past President. Cheryl has a BA from Western Michigan University and an MBM from Aquinas College. She is an Advanced Master Gardener (Kent County Extension) with over 2500 volunteer hours.

TenHave Woodlands and Clear Lake

From Sandhill Farm we will travel to Clear Lake and the surrounding woodlands where we will enjoy our box lunches on his deck overlooking Clear Lake, while he tells us about the history of the area and interesting things at his preserve. The 300 acres of forest and oak openings completely surround Clear Lake, which is a haven for birds and wood animals. Over 20 species of conifers have been planted. There are also many species of woodland trees to be seen throughout the forest. You will notice the large pot holes that were formed ten thousand years ago when the glacier receded. According to the whims of West Michigan weather, you will see thousands of pink ladies-slippers in bloom. But don't worry because there are many other orchids to see as well as a remarkable variety of spring ephemerals and summer wildflowers in large colonies. A walk around the lake takes you to interesting wetland plants plus the view of blooming trees and bushes. John will have plant lists and maps so you may chose to go where you wish on his property to botanize.

Leader: John TenHave is a retired high school science teacher. He has enjoyed living by the shore of Clear Lake and he takes groups through his forest preserve. His knowledge of plants and animals helps him teach others about our native treasures.

Monday Morning

Meijer Gardens Tour (may stay as long as desired)

This 132 acre site, just a few miles from Calvin College, includes such indoor areas as a Victorian room, a tropical conservatory, an arid garden, and a carnivorous plant room. Areas outside include an English perennial garden, a woodland shade garden, a boardwalk along the wetlands, and an extensive sculpture park. Special attractions include the Michigan farm garden and a children's garden. A tram (\$3.00 extra charge for adults) travels around the sculpture area. The garden is totally barrier-free and wheelchairs are available. Special entry fee:

(Continued on page 24)

MBC State Board Meeting Minutes — October 14, 2012

Michigan Botanical Club State Board Meeting Sunday, Oct. 14, 2012 Kalamazoo Nature Center, Kalamazoo, Mi.

Members Present: Todd Barkman, Tyler Bassett, Becky Csia, Mary Danforth, Irene Eiseman, Patrick Fields, Richard Fowler, Ruth Hart, Judy Kelly, Robert Kelly, Emily Nietering, Larry Nooden, Sarah Nooden, Dorothy Sibley, Janet Skeberdis, Lynn Steil, Bev Walters, Alice Ward

1. **Call to Order** 12:14 pm by Judy Kelly
2. **Approval of Agenda:** Michigan Natural Area Council was added to the agenda under Old Business.
Judy Kelly called for approval of the agenda. Todd Barkman moved to approve the agenda and minutes. Bev Walters seconded. Motion was passed. It was noted that Bob Kelly would explain items on the treasurer report under Old Business.
3. **Roberts Rules of Order** -- President Kelly said that our constitutional by-laws require us to use Roberts Rules of Order.
4. **Announcements**
 - a. President Kelly passed around her list of e-mail/phone contacts to be updated by the Board.
5. **Committee Reports**
 - a. Web Master - Aaron Fown - There was discussion regarding the chapters' ability to access the website and edit/update information. President Kelly asked each chapter president or chapter-appointed liaison to interface with Aaron to get instruction/training to do so. It was suggested that Aaron organize a training session for all chapters to partake.
 - b. Nominations - Sarah Nooden - Sarah announced that no additional Board member nominations were submitted. Richard Fowler moved that we certify this slate of officers. Dorothy Sibley seconded. Motion passed.
 - c. Corresponding Secretary - Mary Danforth - Mary announced that an article sent in for the Fall Arisaema by Pam Laureto was left out by mistake. Mary said she'd be sending out this letter regarding Michigan Botanical Club

Foundation fundraising. She also announced that the postage costs are down due to the *Arisaema* being sent electronically to about 1/3 of the members. She also asked for more photos/drawings for the *Arisaema* and thanked everyone for their input and meeting deadlines.

d. The Michigan Botanist - Todd Barkman - Todd announced that *The Michigan Botanist (TMB)* is behind and that the last issue of 2011 and the first of 2012 will be sent together. He announced that the first 2012 issue is devoted to the life of Ed Voss. He noted that there are not enough manuscripts being submitted to the journal which leads to the lack of consistency of publication which results in our journal not being listed on some searchable online sources for publications. Irene Eiseman asked if perhaps we should go with 2 issues instead of 4 per year. Discussion followed expressing the problems with attracting manuscripts from botanists. Todd inquired about the status of TMB support-funding from MBC and requested the monies be dispersed as was approved by the MBC State Board previously. Todd also noted that most professional botanists get their journals electronically and questioned the necessity of the cost of printing. Robert Kelly agreed to look into the funds that were ear-marked to support publishing TMB. Todd announced that he would like to step down as editor. He requested that the Board hunt for a replacement. He also mentioned that there are a couple of people on the editorial board or Michigan Consortium of Botanists who might like to do this. Irene Eiseman announced to the Board that it is the "club's" journal and that it is up to us to solicit papers and now, find a replacement for Todd. It is not Todd's "job" to have to do this. There was much agreement. President Kelly expressed her thanks to Todd for his hard work. She suggested that he go ahead and ask the editorial board members if anyone may wish to take on the task.

e. Treasurer - Bob Kelly - Bob noted that based on a year to date cash flow analysis there would be a shortfall of \$1169.83 in the checking account and to insure it did not go into the red, he transferred \$1000 from the TIMM (Tiered Interest Money Market Account) into the checking. Discussion followed regarding one-time expenses to the web-masters. Becky Csia reminded everyone that at the Spring meeting the Board understood that these expenses were worthwhile. Bev Walters asked if we could draw money from the Smith account. Larry Nooden said that the "Smith" Endowment was acquired in 2003 and is restricted. Bob Kelly inquired if the interest was not restricted. Pat Fields said that the money was to be used for publications regarding plants. President Kelly said

October 14, 2012 Minutes (Continued)

that she would research the restrictions on these funds. Sarah Nooden moved that we accept the treasurer's report, Janet Skeberdis seconded, motion passed.

f. Spring Foray - Dorothy Sibley - Dorothy announced that the White Pine chapter is celebrating 20 years. She announced that the foray planning is going well. There will be historic sites as well as a wide diversity of interesting botanical sites. There will be more forthcoming in the *Arisaema*. Irene Eiseman requested that the White Pine chapter provide information on the website as well.

6. New Business

a. President Kelly said she would check with Aaron Fown on the procedures for updating the website. Ruth Hart expressed the importance of the website and properly updating each chapter's page. The webpage committee consists of Irene Eiseman (chair), Judy Kelly, Sarah Nooden and the 5 chapter presidents or designated chapter web-page liaison.

7. Old Business

a. Mission Statement - President Kelly announced that the mission statement committee consisted of the exec. board, Sarah Nooden, Larry Nooden, Ruth Hart and Aaron Fown. Larry and Sarah Nooden agreed to update the mission statement in the current brochure and bring it to the next Board meeting. Discussion followed regarding the necessity of a mission statement as the goals were listed. Emily Nietering reiterated that it was merely going to be a summary of the goals of the club.

b. Possibility of changing the name of the club - After several immediate concerns regarding this consideration President Kelly made it known that the Board is considering the rationale and not planning to change the name and said the Board would never consider doing such without a complete membership vote. Irene Eiseman said that this idea came up after the Board 360 evaluation results and discussion at the May Board meeting and it was only one of many things to consider. She said that Pam Laureto agreed to write a rationale for distribution to the membership and that was all. Sarah Nooden moved that we table the name change consideration. Robert Kelly seconded. Discussion. Patrick Fields said he supported the tabling but noted that the club needs to revisit these types of things periodically. Motion carried.

c. Michigan Natural Areas Council - Point of Information -- the MNAC will be having a meeting at the

Matthaei Botanical Gardens Nov. 4 at 1pm to discuss the status of their organization. President Kelly mentioned that there is a process for disbanding. There was general agreement that we welcome them back into the club since they were originally an outgrowth of the MBC with similar goals and a history of success. Todd Barkman also mentioned how their political experiences and contacts would be welcome.

8. Future State Board Meeting

The January Board meeting will be held Sat. Jan. 26th at a location to be announced.

Snow date, Feb. 9.

Tyler Bassett moved the meeting be adjourned. Seconded by Emily Nietering. Meeting adjourned 1:40pm.

Respectfully submitted,
Lynn Steil, Recording Secretary

MBC State Board Meeting Minutes — January 26, 2013

MICHIGAN BOTANICAL CLUB

STATE BOARD MEETING

Michigan Environmental Council office,

602 West Ionia Street, Lansing, MI
Saturday, January 26, 2013

Members present: Tyler Bassett, Becky Csia, Mary Danforth, Steve Davis, Irene Eiseman, Patrick Fields, Richard Fowler, Aaron Fown, Ruth Hart, Judy Kelly, Robert Kelly, Emily Nietering, Larry Nooden, Sarah Nooden, Lynn Steil, Bev Walters, Alice Ward

Guests: Chris Graham (MNAC), Phyllis Higman (MNFI, MNAC), Brad Garmin (MEC)

1. **Call To Order** – Judy Kelly 12:01pm
2. **Approval of the Agenda** : Emily will add announcements.
 - a) Minutes of the fall meeting on October 14, 2012 at the Kalamazoo Nature Center: Tyler moved for approval, Alice seconded. Motion carried.
 - b) Treasurer's report
3. **Robert's Rules of Order** – Judy Kelly reminded everyone of the process used.
4. **Announcements**
 - a) Update president's email list: Judy Kelly sent the brochure around for update.
 - b) Isle Royale Botany workshop: Announcement distributed.
 - c) MBC brochure: Sarah passed the form around for contact info update:
 - d) Emily announced books for sale from Thomson library.
 - e) Fall meeting - HVC: Sarah Nooden announced that following Oct. 12 Board meeting at the Eddy Discovery Center, Tony R. will be giving the program re: Alaska
5. **Presentation about Michigan Natural Areas Council** – Phyllis Higman and Chris Graham were introduced by Judy

Kelly. Chris Graham said that changes have caused an “eclipse” to MNAC: see handout. Chris went on to explain that help is needed to fight Michigan Senate Bill 1276 which “prohibits MDNR from issuing or enforcing an order to classify any area for the purpose of achieving or maintaining biological diversity, or which exhibits unusual flora or fauna”. Phyllis encouraged everyone to read Dave Dempsy's book, Ruin & Recovery. Chris invited the MBC to join them in their goals for political activity, fund raising & persuasion. He expressed that problems with a lack of enthusiasm have occurred with us all (organizations) including MNAC. Tyler asked if a co-committee to attack this issue might be in order. Larry suggested if contacted, we could respond with letters, etc. since the club was organized with the potential to be politically active. The MBC Foundation, however, was organized as a non-profit. A thought regarding a professional lobby person was mentioned. Aaron Fown suggested new methods for responding to bills. He suggested social networks, the condensed version of talking points on line, consistent messaging, factual & affirmative, humor with basic assumptions. Emily said that we are more science-based people and most of us are not attune to doing this sort of thing. Bev Walters felt that if the two organizations need to merge with a clear understanding of the monetary commitment and long term plan. Phyllis H. said that they are looking for a solution for the “no voice” and concurs with Bev, that the need for a plan is priority. Ruth asked MEC rep, Brad Garmin, to explain how Michigan Environmental Council (MEC) has a role. He explained how MEC is a group of organizations that deals with issues with impacts on the great lakes, energy, etc. and not with natural features as much. He wanted better communication with nature groups. Alice Ward, Aaron Fown, and Larry Nooden all expressed their opinions of how this communication breakdown needs to be addressed. There was agreement that MEC might be the answer -- the center force. There was discussion regarding communication methods. Emily Nietering expressed how we need specifics for what to do when we receive the info. Brad said that he now knows that we are interested and will keep us in the loop. Judy Kelly said that she would pass on all information received.

6. **Committee Reports**

a) Web Master –Aaron Fown reviewed the changes to the website. We can include large amounts of photos, documents, etc. He encouraged contributing. -- blogs, videos, etc. There will be at least one chapter web person with access. Aaron asked editors to get back with him regarding passwords and he will get each chapter to

January 26, 2013 Minutes (Continued)

participate right away. Aaron wanted each to get back with him regarding any ideas, etc.

b) Corresponding Secretary – Mary Danforth will be sending e-mail out to everyone. They will be publishing the Arisaema early and will need everything in by March 15th as the foray will be May 23. She also wanted chapters to ask members about getting the Arisaema electronically.

c) The Michigan Botanist – Todd Barkman The 2nd & 3rd issues should be printed and shipped in 2 months.

d) Treasurer – Bob Kelly presented the report with no issues. Steve Davis, treasurer of Red Cedar and Patrick Fields announced that RCC is very close to being defunct. Irene suggested that perhaps the membership might join as special members. Larry suggested that the group still maintain their identity as a subset. Patrick asked about a junior status that existed years ago. Patrick expressed that there will be no spring foray put on by them for 2014.

e) Spring Foray 2013 – Dorothy Sibley Everything has been shifted to Calvin College in G.R. but all other plans remain the same.

7. New Business

a) Smith fund committee – Judy Kelly explained how the committee began in 1962. In 1983 they revised and eliminated land acquisition. The committee is intended for support of TMB. In 1985, 1992 it was revised to include special publications. Patrick said it was supposed to be for special botanical publications. Larry suggested we ask Nancy Weber (Smith, daughter) to become actively involved in the family legacy. Irene moved that the committee, Larry N., Tony R., Pat F. with Nancy Weber, look into the copyright of Michigan Winter Wildflowers and move forward to work on a new publication and earmark funds in the treasurer's report. Emily seconded. Motion carried.

8. Old Business

a) Mission statement – Larry & Sarah Nooden Sarah has researched other clubs' mission statements and Larry mentioned the idea to Tony R. who is also working on it. Irene Eiseman moved that Sarah N be the chair of the mission statement committee and to report back to the next meeting. Becky C. seconded. Motion carried.

9. Future State Board Meeting:

a) May Meeting of the Michigan Botanical Club, WPC hosting

10. **Adjournment:** Emily announced that she will e-mail chapter presidents the new requirements for the distinguished service and life time achievement as they may announce to their chapter. Larry suggested that the criteria for the awards be listed on the website in an "administrative" area.

Patrick said that he would check with RCC regarding the 2014 spring foray capacity. Richard F. announced that before the white pine chapter was formed the state board hosted a foray. Patrick moved that depending on the decision of RCC and in the event that they cannot do the spring foray, the state take on this responsibility for 2014 only. Mary seconded. Motion passed. Irene moved that the RCC not host the spring foray and plan for the state to host it. Bev W. seconded. Motion carried. Ruth amended with the addition with the participation of the RCC as they are able. Tyler seconded the amendment. Motion carried. Patrick suggested that Judy e-mail everyone regarding nominations for locations.

Meeting adjourned 3:15pm.

Respectfully submitted,
Lynn Steil, Recording Secretary

MBC Website Update

The year of 2013 is bound to be a year of many changes, and one change for the better I have been working hard to implement is to build and publish a new, easier to use web site. This has been my major project for the past few months, and I'm proud of what has been built in this time. The information content is much the same, but the framework itself should allow for far greater participation and involvement by the chapters and the individual members. Improvements you will enjoy in the new website include:

- Ease of use; those with editing privileges will love the new, truly WYSIWYG editor and easy news item creation and gallery creation. This will be a vast improvement in the experience of editing, with no more buggy document checkout and user lockouts.
- The entire website, from the ground up, is based upon modern and bug free code. The framework itself is maintained by a crack team of programmers.
- Hardcore dedication to 100% uptime; during the recent superstorm the employees at our new CMS provider carried pails of diesel up 13 flights of stairs to keep the generators running so that their customers experienced no outage. Their uptime record is better than Amazon.
- Security is vastly improved over our old Joomla site, which had a number of vulnerabilities (as we recently experienced). To my knowledge a Squarespace site has never been the source of any malware, due to their crack security team.
- Secure document access can be handled with a simple password; thus, every user that wants access to our publications will not need a user ID and password, vastly simplifying security. The password to the new Arisaema library is **Irislacustris**.
- We can change the look and style of the site within hours, without endangering content. If you don't like the old color scheme, or the layout I have chosen, we can change it very quickly now that I have ported the site.
- Full integration with social networking and spider friendly pages should increase our profile as an organization, and possibly attract new members.

- I've eliminated as many elements that hurt accessibility to people who need to use screen readers as possible, such as unnecessary tables and scripts. Everything looks clean and accessible.
- I've cleaned up navigation, and provided pages for the chapters that are both info dense and easy to edit. I've also cleaned up the new member applications for each club with an eye upon maintaining the differences while unifying the look and feel. All documents are now available in easy-to-print PDF format.
- I've produced space for each chapter, and the club as a whole, to be able to post news about upcoming events without editing static information pages. This will also allow much easier participation by members; we can provide them with a user that has access to specific news pages without having access to content we don't want changed.

The new site is live, and can be accessed here:

<https://michbotclub.squarespace.com>

Soon, the old address will redirect to the new site, hopefully within the month.

Remember, the new Arisaema library password is **Irislacustris**.

Anyone who wants to have editing privileges, please contact me at [REDACTED] so that we can set up a user account. I would like it if at least one person from each club had editing privileges so that meeting information and the blog can be updated regularly.

If you are a shutterbug, I welcome your pictures for the site, and I can set up editing privileges so that you can share your photos with other members. Basically, anyone who wants to edit can, I want this site to be much more participatory than the old one.

—Aaron Fown

Application for Forensic Search June 28th and 29th, 2013 Ludington Michigan

Once you have completed the form, please use your desktop e-mail application (i.e. Outlook or GroupWise) to send the application. Please send your responses back to [REDACTED] by May 1st, 2013.

First Name:	
Last Name:	
Age:	
Street Address:	
City:	
State:	
Zip Code:	
E-mail:	
Phone:	
Do you have a GPS?	
Would you require a camp site?	
Background:	(Please write a brief summary of your qualifications in plant identification and degrees held in this field.)

Spring Foray 2013 Field Trips (Continued)

(Continued from page 15)

adults \$8, children (3-18 years) \$3.50; to obtain this special price you must show your name tag on Monday, May 27, from 9-5.

Leader: Arlene Obetts, a member of the White Pine Chapter is a Meijer Gardens docent, and will lead the indoor tour and assist you with selecting outdoor areas to visit.

Monday Morning

Saul Lake Bog – Dry Hike (Boardwalk only)

This trip will begin with a 30 minute presentation at Cornerstone University with our leader, Raymond Gates. We will then travel to Saul Lake Bog in Grattan Township for a 2 hour tour. This bog is managed by the NACOWMI and is the most unique wetland in West Michigan. We will be staying on the boardwalk, so this will be a dry hike. (Ray, also known as “Gator”, is known for his wet bog walks where he and his students jump into the bog during the sessions—we will spare you that thrill!) Sandhill cranes are common as well as many species of carnivorous plants, along with orchids and Ray’s favorite, shrub poison sumac.

Leader: Ray Gates (“Gator”)

Ray has been an associate professor of biology for 34 years. He received his B.S. in botany from Spring Arbor College and M.S. in field biology from Central Michigan University followed by A.B.D. from MSU in Fisheries and Wildlife. He has received Professor of the Year 3 times from Cornerstone University, most recently in 2011 and was selected as Environmental Teacher of the year in 1986 by the West Michigan Environmental Action Council.



Smooth Solomon's Seal (Polygonatum buflorum)
Washtenaw County, May 2010
Photo by Charles Peirce



Yellow Trout Lily (Erythronium americanum)
Cass County, April 2004
Photo by Charles Peirce



American Red Elderberry (Sambucus racemosa)
Gratiot County, May 2001
Photo by Charles Peirce