2003 Michigan Wildflower Conference ranked among the best

As those who attended well know, this year's Michigan Wildflower Conference and Teachers' Workshop was another huge success! We had 351 attendees, 28 speakers, and 36 booths. Our success is due in part by the efforts of the conference committees. Thanks to co-chairs, Marji Fuller and Cheryl S. Tolley; registration coordinator, Marilyn Case; Teachers' Workshop coordinators, Amy Sue Ann Yeip and Maureen Scallen; sales and exhibit coordinators, Kathy Johnson, Marvin Cooley and Joyce Janicki; WAM sales coordinator, Val Reed; book sales, Maryann Whitman and Sally Hiott. Of course the coordinators couldn't get everything done without the help of many others, so we would like to thank these committee members: Ray Rustem, Jewel Richardson, Darwyn Heme, Esther Durnwald, Bob Krueger, Steve Keto, Kim Herman, Patrick Judd, and Bill Schneider; Master Gardener volunteers, Carolyn Tourangeau, Inga Kyler, Cricket Lott, and Gail Whiting; and our invaluable audio-visual consultant, Robert Reipma.

Board members and volunteers arrive early the day before the conference to "get organized." WAM board members Val Reed, Marilyn Case (above), Cheryl Tolley, and Master Gardener volunteer Carolyn Tourangeau (below) prepare registration packets.
I DIDN’T KNOW THAT!

This is YOUR column. Send questions about native plants and wildflowers to our editor, Kathy Johnson, at 11155 Hastings Point Road, Middleville, MI 49333 or e-mail to: klundjohnson@charter.net.

I am a new member of WAM and am hoping you can help me with a volunteer project. I am designing a butterfly garden and would like to use plants native to Michigan. I know about many Michigan natives that are good nectar plants, but I need information about natives as host plants for caterpillars. Can you advise me as to where I might be able to find such information? Thanks in advance for any help you can provide on this subject.

Kathryn Reed in Detroit

How wonderful that you’re volunteering your time to help the wildlife of your area! There are many beautiful and diverse native plants that provide food for Michigan’s butterflies and their caterpillars. I’ll provide you with some basic “starter” information and suggest references that will help you as you develop your butterfly garden.

Right you are, Kathryn, to consider the caterpillars that grow into our lovely winged friends! All too often, the sight of a worm-like creature munching on a plant triggers a run for the insecticide. Your project will provide you with a wonderful opportunity to help spread the word that, as unappealing to the casual observer some of these critters may be, they are the predecessors of our coveted swallowtails, metalmarks, sulphurs, and skippers.

Adult butterflies lay their eggs on the specific plants that their caterpillars eat. Many butterflies are also specific about their nectar sources. It’s important to select plants that will attract butterflies found within your geographical range. An excellent guide for Michigan butterfly gardeners is *Michigan Butterflies and Skippers* by Mogens C. Nielsen. This book, available through your county’s M.S.U. extension office, is filled with superb color identification photos, many taken in the field by award-winning nature photographer, Larry West, of Mason, MI. Nielsen provides a Michigan map for each of the 159 butterfly/skipper species in the book, highlighting the counties where they can be found, and gives thorough information on larval and adult food sources. Habitats and flight periods of the adults are also described. I recommend that this book be included in the library of anyone with an interest in Michigan’s butterflies.

Another very helpful book is *The Butterfly Book, An Easy Guide to Butterfly Gardening, Identification, and Behavior* by Donald and Lillian Stokes and Ernest Williams. To use this book, I suggest that you first refer to the Nielsen book (above) to determine the butterflies found in your area. This book is a great resource for caterpillar identification and larval and adult food sources, and includes fascinating information specific to individual species. For example...did you know that the caterpillars of Blues secrete “honeydew” to which ants are attracted? Or that Whites use a unique posture when basking in the sun?

Kathryn, I hope this information will help get you off to a successful start with your butterfly garden. Please keep us informed of your progress and send photos documenting your project—we’ll publish them in future issues of *Wildflowers*!

—Kathryn Lund Johnson

**Mentioned above:**


Old Man Winter is like a relative who has overstayed his welcome. We look forward to warmer days when wildflower blooms accent the chorus of bird voices in the symphony of spring. And just as spring signals nature’s annual renewal, the annual wildflower conference and annual meeting brought new voices and changes to the WAM board of directors.

We all thank Amy Sue Anne Yeip, out-going director, for her four years of service on the board and wish her many happy moments as she spends more time with her family. We welcome Robert J. Krueger, Ph.D., Professor of Pharmacognosy in the College of Pharmacy at Ferris State University, to his first four-year term as a WAM Director. Cheryl S. Tolley and Marvin Cooley were re-elected to seats on the board. Out-going president, Steve Keto, passed the gavel to me. Other new officers elected for two year terms are Cheryl Tolley, 1st vice president; Val Reed, 2nd vice president; Jewel Richmond, secretary; and Marilyn Case, treasurer and membership coordinator.

On behalf of the board and membership, I would like to thank Steve Keto for his excellent leadership over the past three years. Under Steve’s able guidance our annual conference has grown to include the Sunday evening social events, additional generous sponsors, and the Teachers’ Workshop. Our business and organization membership has increased from 11 to 31. One thing I personally enjoyed was Steve’s upbeat and inspirational messages in his column each newsletter. We hope Steve will share his thoughts and ideas with us in future articles. We are very grateful he will still have time to serve on the board as a director.

At our first board meeting this month, several new standing committees were formed. Ray Rustem will chair the new Education Committee, the projects of which will include creating educational handouts and planning the Teachers’ Workshop, held during the conference. Bob Krueger will chair the new Grants Committee. If you would like to serve on either of these, or another committee, such as conference registration, conference sales and exhibits, fund-raising (WAM sales), publicity/newsletter, or help develop educational handouts for WAM, please contact me by e-mail at marji@iserv.net or phone 269.948.2496.

We are also looking for people to write book reviews and articles, and to provide information on environmental topics for the newsletter. If you are interested in this area, contact Kathy Johnson by e-mail at klundjohnson@charter.net or phone 269.795.9691. We are always looking for ways to give better service to our members—both household and business and organization—so don’t hesitate to let us know where we can improve.

A BIG thank-you goes out to Val Reed for coordinating the WAM booth at the annual Lansing Home & Garden Show, March 13-16. This is the third year WAM has participated in this event and it has shown to be a tremendous way to educate the general population on the benefits of using native plantings in the home landscape. It’s so much fun to work our booth at that show! We get to help so many visitors with their native garden questions, visit a little with our own members who volunteer their time to help staff our booth, and walk around and see the other exhibits—for free! This year we presented three programs on wildflowers on the “Garden Stage.” Cheryl Tolley went above and beyond the call of duty during her presentation of “A Walk on the Wild Side,” as the electricity kept going off. What a trouper! Our own newsletter

Please see “President’s Note” on Page 4

May 3-4 Spring Blooms in the Dunes — Gillette Sand Dune Visitor Center in P.J. Hoffmaster State Park, 685 Lake Harbor Road, Muskegon, Michigan. This year’s theme is bats and birds.

Saturday’s events are from 10 a.m. to 4:30 p.m. and include Jane Stroschin displaying her art work and doing storytelling. There will be wildflower hikes every half hour and a featured Live Bat Program at 11 a.m.

Children’s activities will include making bat gliders and building a bat box. We will learn about Michigan’s Woodland Plants from Chuck Nelson at 1 p.m.

Sunday’s events are from noon to 4:30 p.m. and will include wildflower hikes, a presentation on Progs of Michigan at 1 p.m., and making bat boxes.

Native wildflowers (including trillium) and grasses will be for sale and the Gift Shop will be open both days. For more information phone 231.798.3573 and visit the Web site at www.michigan.gov/dnr.

Michigan Botanical Club, Southwestern Ch. Field Trips

May 17 – Starflower Swamp, Yankee Springs Recreation Area, Barry County. Eric Thobaben, doctoral student at the Kellogg Biological Station, will lead this trek along the Long Lake Trail. We’ll be looking for a variety of spring-flowering plants.

May 23 through May 26 – Spring Foray hosted by the White Pine Chapter, Leelanau Peninsula; accommodations in Traverse City.

June 27 – Lake Michigan Dunes, Palisades Park, Van Buren County. Emma Pitcher and Jim Richmond will lead a trek across the dunes in a private preserve. This is an opportunity to view Pitcher’s thistle (Cirsium pitcheri).

July 26 – Oak Forests, Savannas and Dry Prairies, Allegan State Game Area. Richard Brewer will lead this trip where we will discuss the natural vegetation processes, management and mismanagement of these special areas.

August 23 – Lyons Lake, Comstock Park, Kalamazoo County. Dennis Woodland will help us find and identify aquatic plants.

For additional information on field trips and membership, or to find a chapter of the Michigan Botanical Club near you, see www.michbotclub.org

Find a Wild Ones chapter near you at www.for-wild.org/chaptehtm#Michigan
President’s Note

Continued from Page 3, column 1

editor, author and photographer, Kathryn Lund Johnson, donated the sixty slides in this presentation. Kathy provided duplicates of her original slides to keep in a new presentation library. We hope to acquire additional slides and write program scripts for members to use in education outreach programs. More information on this project will be forthcoming in future issues of Wildflow- ers. If you have slides that we could copy and use in our library or on our Web site, please contact me.

It is an awesome responsibility to lead this organization as it grows and a big job to fill Steve Keto’s shoes! I’m energized by the challenge and hope many of you will join me in helping our board of directors and committee chairs continue the work we have in progress. I value your opinion—let me hear from you!

—Marji Fuller, President

Conference Show & Tell made big hit with attendees

Did you join us Sunday evening for Show & Tell—Nature’s Version of a Poster Session? If not, you missed a great event, the most popular of the Sunday evening social events we have presented—plus it was very educational. It’s hard to beat the winning combination of fun, food, and education!

The purpose of this event was to get to know one another by sharing our native gardening experiences. We were all so busy that no one thought to count how many posters and exhibits were set up. The photos we took show there were many, and those without exhibits had fun talking and learning about others’ projects.

Comments on many evaluations indicated this was a very popular event and many attendees encouraged us to do it again. In response, we will repeat this fun evening at our 2004 conference! Now that you all have had an opportunity to see how the show and tell works, you can start planning, planting, photographing, and documenting your projects this year for your presentation at next year’s conference. Since pictures are the name of this game—here are a few from this year’s event....

ENVIRONMENTAL ISSUES

Michigan Bottle Bill

Resolution 2003:1 “The Bottle Bill”
The assembled membership at the recent Michigan Wildflower Conference annual meeting passed Resolution 2003:1, which states:

“[WAM] hereby resolves that it supports the proposed expansion of Michigan’s Bottle Bill to include non-carbonated beverage containers such as water, juice, tea, coffee, and sports/power/di- etary supplement drinks.

Furthermore WAM encourages its members to educate themselves on all aspects of debate surrounding this proposed expansion.”

Please contact your local or state government officials and request information about Senate Bill 0174. An informed membership will better be able to support WAM’s mission—to promote, coordinate, and participate in the education, enjoyment, science and stewardship of native wildflowers and their habitats.

ASSOCIATION UPDATE

Photos by Marilyn Case
REGIONAL REPORTS

We’re pleased to be hearing from some of you with information to share in Regional Reports, and we’d like to get more of you involved! We’d love to hear from conservation districts, Wild Ones chapters, state and national forest representatives, the DNR and MDOT, local nature centers, etc.—as well as private individuals. We know exciting things are happening everywhere—we just need someone to tell us about it!

Please send your reports to Kathy Johnson by e-mail (klundjohnson@charter.net) or U.S. mail to 11155 Hastings Point Road, Middleville, MI 49333. We look forward to hearing from you before the summer newsletter!

REGION 4—SOUTHEAST

Ingham Conservation District—Susan Tangora reports...

Volunteer Days at the Ingham Conservation Center, a 200-acre demonstration facility, will take place May 10 and June 14 from 9:00 a.m. to noon. Activities will include removing invasive species, fence removal, trail maintenance and planting. Lunch will be provided. The Annual Native Plant Sale will be held May 30 and 31 at the conservation office, 1031 W. Dexter Trail, Mason. Summer Day Camp begins in June at the Ingham Conservation District Conservation Center. The weekly camp series will invite area youth, ages 7 through 14, to explore their natural world while participating in our outdoor heritage activities. For more information on these or other activities, call 517.676.2290, or visit our Web site at www.inghamconservation.com.

Washtenaw Conservation District—Dennis Rice reports...

Our Spring Native Plant Sale is in progress, with orders being accepted through April 30. The district is offering a selection of wildflower and prairie grass plants for naturalized landscaping. Sale information and a downloadable order form are available on the district Web site at www.washtenawcd.org.

Gladwin Conservation District—Mike Turner reports...

Clare and Gladwin Conservation Districts’ Conservation Reserve Enhancement Program (CREP) has established many acres of filter strips, buffers, and wetlands within the past two years, and many more will be established this year. A number of these projects incorporate wildflowers and native grasses. A long-time Gladwin County resident visited the office recently to tell us she believed the government had “finally done something right” with the planting of wildflowers—now that’s progress!

St. Clair Conservation District—Stacey Jones reports...

Approximately 35 people participated in our Streambank Stabilization Workshop, held April 3 and 4. They represented a variety of agencies, including the road commission, drain commission, parks and recreation, engineering firms, excavating companies, and the DEQ. Because of ice storm predictions, installation day ended up on Thursday, with the classroom portion of the project held on Friday. Ultimately, a 200-foot stretch of the Pine River was stabilized to prevent streambank erosion. The project was a tremendous success, an excellent educational opportunity, and lots of fun! (See photos.)

Matthei Botanical Gardens—Ellen Elliott Weatherbee reports...

We are offering a variety of native plant-related courses for adults in the next few months. Small Native Trees, with Sylvia Taylor, will be held one Tuesday evening and one Sunday afternoon, starting April 22; Mosses and

Please see “Regional Reports” on Page 9
2003 Conference
Continued from Page 1, Column 2

Keynote Speakers, Flo Oxley (Lady Bird Johnson Wildflower Center) and Marilyn Wyzga (developer of Project HOME from New Hampshire Fish & Game Div.) received rave reviews from their audiences, and all other session presenters elicited equally excited responses.

The conference committee deeply appreciated the swiftness with which Joyce Powers (CRM Ecosystems, Inc./Prairie Ridge Nursery, Mt. Horeb, WI) moved from being an exhibitor and attendee to filling in as a speaker on Sunday for Bonnie Harper-Lore, who was injured in an auto accident just prior to the conference. Also without hesitation, Marilyn Wyzga substituted for Bonnie on Monday. Because of these two, the conference went without a glitch!

Sunday evening’s Show and Tell or Nature’s Version of a Poster Session was extremely well received—so much so, in fact, that we plan to repeat this event at our 2004 conference. (See page 4).

We want to thank those of you who took the time to fill out the evaluation forms. We had responses from 136 people—each of whom gave the WAM board thorough feedback about a variety of subjects from food offerings to speakers. Although the responses were positive overall, we assure you we are carefully studying all criticisms and suggestions and will continue to strive to make this your conference!

Webmaster’s Corner
Tim Shoales, WAM Webmaster

• Check out our Web site at www.wildflowersmich.org and go to the Wildflower Library to see the new pictures donated by Kevin Dick from Delta Institute in Chicago (http://www.delta-institute.org/). We want to thank Kevin for the additions of bellwort, wild columbine, swamp pink, dragon mouth orchid, fire pink, parsnip or possibly golden alexanders, goldenrod, iris, Jack-in-the-pulpit, mayapple, green milkweed, phlox, pitcher plant (this a hybrid of two varieties, yellow and red), hoary puccoon, shooting star, Solomon’s seal, Illinois scented trillium, wood Lillies, and several others.

• Keep us in mind this spring and summer as you photograph Michigan’s wildflowers. Send digital pictures to Webmaster Tim Shoales at shoales@comcast.net or photos to Tim Shoales, 5256 Fedora drive, Troy, MI 48098. Photographs will be returned.

• We would like to give a big WAM welcome to the newest addition to the Shoales family. Clara Nicole arrived March 25. Congratulations to Tim, Pat, and big sister Emily!

• Our thanks go again to Tim for the time he spends keeping our Web site going and up-to-date. He does this in his “free time” between family with two little girls, Emily and now Clara; work, building an addition to his house; keeping up his native gardens; and taking classes towards his master’s degree.
Our Grant Awards Luncheon, held on Monday during the 2003 Michigan Wildflower Conference, was well attended and packed with activities. Neil McLean, President of The Hal & Jean Glassen Memorial Foundation, and Frank “Bob” Perrin, a member of the Glassen Foundation Board of Directors, assisted WAM Grant Coordinator, Amy Sue Ann Yeip, with the grant award presentations.

The Wildflower Association of Michigan began the partnership with the Glassen Foundation four years ago and, thanks to their generosity, has been able to award sixteen $1,000 grants since then. Glassen has also given funds to WAM for administration of the grant program and Teachers’ Workshop, which includes tuition for the Teachers’ Workshop and lunch costs for grant recipients.

Hal and Jean Glassen were lovers of animals and thoroughly enjoyed the out-of-doors. They were avid hunters who believed in the scientific management of wildlife. Life-long conservationists, they supported research and programs aimed at habitat improvement, sustainable harvest through controlled hunting, and understanding the carrying capacity of land for wildlife. They were very supportive of the natural resource schools at the University of Wisconsin, University of Michigan, and Michigan State University. The established their foundation before their deaths so that the ambitions and goals to which they had dedicated their lives could be continued.

The WAM/Glassen Grants will be given to educational facilities which have shown their desire to continue the work that the Glassens supported during their lives. Each new grant recipient must demonstrate the thought and planning needed to establish or enhance natural areas, which will support local wildlife populations while educating students on the need to protect such habitats. It is through the use of these types of outdoor educational areas that students will learn an appreciation and respect for our remaining remnant natural areas, and the plant and animal life that they contain. Without instilling this admiration in our youth, the future of these fragmented areas is in jeopardy.

The Wildflower Association of Michigan would like to thank the Hal and Jean Glassen Memorial Foundation Board of Directors for their continued support and confidence in our organization.

—Marji Fuller, President
Field and Forest: A Guide to Native Landscapes for Gardeners and Naturalists
by Jane Scott

The Blackburn Press

The author tells us from the outset that this book is for, among others, “those who long for a garden that reflects the authentic beauty of the natural landscape.” In a writing style that is direct, in fact, almost condensed and logical as opposed to academic, Scott puts together a handbook to help the reader understand key words, phrases, and concepts from botany and ecology. The “plant community” is her organizing theme.

Her position is that we need to think about and understand some very elementary ideas before we can construct or design or plant and maintain an appropriate, sustainable natural landscape, one that approximates what the birds and the insects would need to find to survive in a given spot.

With the permission of the publisher, two pages from the first chapter of the book follow.

Because seeds are sprinkled randomly over the landscape one would expect a random mix of species to result, yet even the most cursory glance tells us this is not the case. Woods do not mix with marsh, and the plants found in a grassy meadow are not the same as those growing on a mountain slope.

The truth is that plants are cliquish. Similar species occur in similar groups in similar habitats all over the globe, whether these habitats are contiguous or not. Each plant in a community arrives there independently, but rarely does a single species occupy a site to the exclusion of all others, with the possible exception of the red mangrove, Rhizophora mangle, in coastal Florida and the stands of giant reed, Phragmites australis, that have spread over disturbed marshes in the Northeast.

Habitat, then, is the key that determines plant communities, but what determines habitat? Over a large geographic area, the answer is climate. Yet this is only part of the story, because numerous and diverse minihabitats occur within broad areas of similar climate, depending on the available sunlight and water as well as the general character of the soil. In fact, several microhabitats may occur on a single hillside causing different plant species to occupy the top, the bottom, and the northern and southern slopes.

As in human communities, individual species in a plant community both support and compete with one another. Nor is the habitat the same for all. The crown of a tree basks in bright sunlight, whereas the ferns at its base grow in dense shade. Yet without the tree to shelter them and its decaying leaves to provide humus for the soil, the woodland ferns would not grow. Thus, it is the increasing shade of a developing woods that makes it possible for a new species to migrate there; in other words, the plants themselves gradually alter their own habitat.

In botanical terms, a stand is a plant community that is homogeneous in all its layers, and an ecotone is the boundary between differing stands. An ecotone may be as abrupt as a cliff or as gradual as a sloping hillside, depending on whether the plant species that dominate one community mingle with those of another before disappearing. Ecotones may exist in time as well, as one set of plant species is replaced by a succeeding group on the same site.

When botanists speak of the range of a plant, they mean the whole geographical area over which it is found. In field guides, the phrase “from Labrador to Georgia” usually means that a plant is widespread in the north but is found only high in the mountains farther south. Conversely, “Florida to New Jersey” means a southern species, abundant in the lowlands of the South that because of the moderating effect of the Gulf Stream has been able to migrate northward along the Coastal Plain. Ranges can be discontinuous, sometimes startlingly so. For instance, many genera of familiar North American plants, such as rhododendrons, witch hazel, sassafras, and magnolias, are also found in Asia. The genus of the tulip poplar, Liriodendron tulipifera, contains only two species in the entire world, one in the eastern United States and the other in China.
Book Review
Continued from Page 8, Column 3

States and the other in Eastern China! Botanists think both populations are survivors of a vast temperate forest that covered the earth millions of years ago.

The rarity or commonness of a particular species refers to the distribution throughout its range. A rare plant that is thinly spread over a large range may not be classified as rare even though it is never plentiful in any one location, whereas a rare plant may be locally abundant but have a severely limited range.

Even if you are the most seasoned of gardeners I would wager that you learned something from reading just this excerpt, or perhaps a light bulb came on and you suddenly understood a concept differently. I know that I understood what “disjunct populations” of ferns were, after reading about “discontinuous ranges.”

In this same straightforward, compressed manner Scott goes on to discuss the dynamics of plant succession, the various plant provinces [the places or sites], and plant communities [what grows in the places]. Haven’t you always wanted someone to lay out for you the rudimentary composition of an oak-maple forest and how it got that way...or a pine barren?

In the latter part of the book she discusses the larger background into which fits the notion of natural landscaping whether on a new-from-construction city lot, or on acreage that still entertains some wildlife. Consider for instance: “...a mid summer mowing...will have an adverse effect on butterflies, which depend on August flowers for nectar, and on the late-nesting American goldfinch, which depends on the seed of thistles and other plants to feed its young.” This is from a section in which she discusses methods of establishing and maintaining the natural landscape and dealing with invasives; she doesn’t give rules, she gives rationales and platforms of information on which the reader may build.

Regional Reports
Continued from Page 5, Column 2

Liverworts, with Barbara Madsen—three Wednesday evenings and two Saturdays, starting April 23; Natural Landscaping, with Robert Grese—one Tuesday evening and two Saturdays, starting May 6; Spring Flora with Mike Penskar—one Tuesday evening and one Saturday, starting May 6; Native Forest Habitats with Matt Humann—one Thursday evening and two Saturdays, starting May 15; Wetland Delineation with Brian Klatt, Ellen Elliott Weatherbee, and professionals from the DEQ, Corps of Engineers, and federal soil experts—Monday-Friday (four half-days), starting June 9; Wednesday Morning Hiker with Ellen Elliott Weatherbee—one Tuesday mornings, starting July 16; Property Naturalization with Matt Humann—one Thursday and one Saturday, starting July 17; Michigan Mushrooms with Robert Shafer—four Tuesday evenings and four Saturday mornings, starting September 9. Call for a brochure 734.998.7061 or check our Web site at www.lsa.umich.edu/mbg for more information.

Chippewa Nature Center, Midland—
Rachel Larimore reports...

We will be sponsoring BioBlitz 2003 on May 30 and 31. The Bioblitz is a 24-hour race to count as many species as possible at the nature center. The event is designed to educate the public about the biodiversity in their own backyards, provide people with the opportunity to interact with well-known scientists, excite the public about the amazing work that scientists do every day, and generate a list of species found on the center’s property. Scientists from around the region will attend and focus on counting species within their areas of expertise. The public is invited to observe and interact with the scientists as they count species in the field and at “Basecamp”—the make-shift lab where programs, identification and the final official tally will take place. Visitors are also encouraged to attend programs offered by scientists, nature center staff and visiting educators. In addition, there will be displays on Saturday (May 31), and we encourage your group to reserve booth space. We are anticipating 45 to 50 scientists and 500 to 1500 attendees. There is no fee for admission.

For more specific information on this exciting and innovative event, contact Tom Lenon or Rachel Larimore at 989.631.0830, e-mail: rlarimore@chippewanaturecenter.com, or visit their Web site at www.chippewanaturecenter.com.
BUS & ORG DIRECTORY

ANN ARBOR PARKS DEPARTMENT, NATURAL AREAS PRESERVATION DIV. Dave Borneman, 1831 Traver Road, Ann Arbor, MI 48105. Phone: 734.996.3266, e-mail: dborneman@ci.annarbor.mi.us. Publications: Native Plants and Your Landscape & Natural Areas brochures for southeast Michigan.

CREEKSIIDE HERBS & ART Wendy Wagoner, Les Cheneaux Islands, 752 N. Blindline Road, Cedarville, MI 49719. 906.484.2415, e-mail: creekside@cedarville.net. Family-owned business in U.P. Renovated barn, display gardens, and nature trails along creek in ancient white pines. Creekside strives to provide education, market hand crafted items by local artisans, supply earth-friendly products and herbal plants. Features Michigan plants and artisans when available. <www.creekside-herbs.com>.

DESIGNS BY NATURE Vern Stephens and Sue Tangora, 9874 Chadwick Rd., Laingsburg, MI 48848 (billing: PO Box 126, Mason, MI 48854) Ph. 517.651.6505, Vern's pager: 517.251.8585. E-mail: designsbynature@hotmail.com. Natural landscaping design and consulting • Environmental education • Habitat management planning • Michigan native wildflowers and grasses.

EDISON ENVIRONMENTAL SCIENCE ACADEMY 924 Russel Street, Kalamazoo, MI 49001. Ph. 269.337.0550. K-6 public magnet school in partnership with the Kalamazoo Nature Center providing an integrated environmental science curriculum in three science labs, a year-round greenhouse, and many different outdoor learning areas.

GAIA GRASS Jean and Craig Weirich, 3947 E. St. Joe, Grand Ledge, MI 48837. Ph. 517.627.7927, e-mail: weirichj@aol.com. Early stages of native grass seed production.

J.F. NEW & ASSOCIATES AND J.F. NEW NATIVE PLANT NURSERY Ed Spanopoulos, Client Relations, 708 Roosevelt Road, Walkerton, IN 46574. 574.586.3400 (office), e-mail: espanopoulos@jfnew.com or 574.586.2412 (nursery). Fax: 574.586.3446. Ecological Restoration Specialists: wetland scientists and environmental engineers for creation, restoration and enhancement of natural areas, wetlands, prairies, and woodlands. <www.jfnew.com>.

JZ ENVIRONMENTAL Janet Zynida, 4720 Baldwin Road, Metamora, MI 48455. Ph. 810.797.4076. E-mail: jzenvironmental@msn.com.

KALAMAZOO NATURE CENTER Randy Grey, 7000 N. Westnedge Avenue, Kalamazoo, MI 49004 • 616.381.4682, E-mail: rgrey@naturecenter.org. The mission of this not-for-profit organization is to inspire people to care for the environment by providing experiences that lead them to understand their connection to the natural world. Each year the Nature Center reaches nearly 200,000 individuals through its many programs in education, research, and conservation both on and off-site. <www.naturecenter.org>.

MANISTEE NATIONAL FOREST Pat Ruta, Box D, 650 N. Michigan Avenue, Baldwin, MI 49304. Ph. 231.745.4631 Ext. 160, Fax 231.745.2345. E-mail: pat_ruta@hotmail.com.


MICHIGAN WILDFLOWER FARM Esther Durnwald, 11770 Cutler Road, Portland, MI 48875. Ph. 517.647.6010, Fax: 517.647.6072, E-mail: wildflowers@voyager.net. Producers of premium native Michigan wildflower and grass seed. Consulting and installing services available. Call for free seed catalog. Member MNPPA. <www.michiganwildflowerfarm.com>.

NATIVE CONNECTIONS Jerry Stewart, 62791 Shaffer Road, Constantine, MI 49042 • Cell: 269.580.4766, Home/ Fax: 269.435.2208, e-mail: jerry@nativeconnections.net. Professional Native Plant Establishment and “Seeding Specialists” 15+ years experience: seeding services—Traux no-till and bare soil seeding. Planning and site management—analysis and prep, species selection, management plans, prescribed burning. Wetland enhancement—seeding and plugging, mitigation, pond edge vegeta-
tion, detention/retention basins. Shoreline stabilization—pond, stream and shoreline, vegetation, biologs, vegetated seawalls, and on-site consultations and coaching.

NATIVE PLANT NURSERY Mike Apel and Greg Vaclavek, P.O. Box 7841, Ann Arbor, MI 48107-7841. Ph. 734.994.9932. E-mail: plants@nativeplant.com. Native perennial plants, native plant landscaping and ecological restoration. Member MNPPA. <www.nativeplant.com>.

NATIVEPLANT LLC Chris Lehr, P.O. Box 122, Manchester, MI 48158. Ph. 517.456.9696, E-mail: chris@nativescape.net. Michigan genotype native seed—catalog available. Natural landscape design, ecological consultation, restoration, habitat creation and land management; presentations and slide shows. <www.nativescape.net>.

NATURE AND NURTURE Erica Kempter and Mike Levine, 114 8th St., Ann Arbor, MI 48103. Ph. 734.368.2610, E-mail: mlevine@umich.edu. Design and maintenance of landscapes involving ecological restoration, lands stewardship, and edible landscaping (vegetables and fruit trees). Methods are organic—no herbicides or pesticides. When possible, local sources are used for native plants.

NESTA PRAIRIE PERENNIALS Stephan Keto, Van Bocbloe’s Florist & Greenhouse, 1019 Miller Road, Kalamazoo, MI 49001. Ph. 800.233.5025 or 269.343.1669 Fax: 269.343.0768. Native perennial plants. Unselected native genotypes from the Great Lakes Region. Specializing in prairie, savanna, wetland grasses and forbs. Plug flats, quarts, and larger sizes available. Member MNPPA.

NORTHERN WILD PLANT & SEED COOPERATIVE Wendy Wagoner, P.O. Box 304, Pickford, MI 49774. Ph. 906.484.2416, Mission Statement: This is a grass roots cooperative organized in the Eastern Upper Peninsula to promote, propagate and protect native plants. <www.creekside-herbs.com>.

OAK PRAIRIE FARM Jim Heinrich, W4 642 Hwy 33, Pardeeville, WI 53954. Ph. 608.429.3882 • E-mail: customercare@oakprairiefarm.com. A family-
owned native seed and plant nursery raising local ecotype wildflowers, native grasses, sedges, rushes, and ferns. Seeds and plants for every Midwest habitat: prairie, savanna, wet prairie, wetland, shoreline, and woodland. All source seed was gathered under permit. All seeds and plants we sell are nursery raised; none are from wild harvest. Call for a free catalog and free telephone consultation. We hope to hear from you!

**Overby Farm**
Robert Adams, 3573 E. Overby Road, Lake Leelanau, MI 49653. Ph. 231.256.2537 E-mail: overbyfarm@aol.com

**PlantWise Native Landscapes**
David Mindell, 224 Charles St., Ann Arbor, MI 48103. Ph. 734.665.7168, Fax 734.665.7168 E-mail: plantwise@aol.com • PlantWise completes all aspects of the creation and restoration of native landscapes including site consultations, design, installation, prescribed burning, and management plan development.

**R. Vix Kennedy, Inc.**
Vix Kennedy, 7302 High Hill Drive, Brighton, MI 48116. Ph. 734.231.3419, E-mail: mdrvk6@ismi.net. Landscape design and consultation in all areas of horticulture and arboriculture. <www.horthelp.com>.

**Sandhill Farm**
Cheryl Smith Tolley, 11250 10 Mile Road, Rockford, MI 49341. Ph. 616.691.8214, Fax: 616.691.7872, E-mail: cherylt@iserv.net. Call for free mail order catalog. Open by appointment. Licensed Michigan Native Plant Dealer. Michigan native woodland and wetland forbs, and native grasses. Member MNPPA.

**Shoreline Landscape**
Raymond Smith, 207 Martins Dr., Stanton, MI 48888. Ph. 989.831.4923.

**Stonehouse Nursery**
Patty and Jay Steinhauser, 9319 Lauer Road, Berrien Springs, MI 49103. Ph. 269.471.2918, Fax 269.471.3930, E-mail: stonehse@qtm.net Small family owned wholesale grower. Established in 1989, our goal is to provide high quality, vigorous plant material at a competitive price with an emphasis on unique and unusual plant varieties.

**Truax Company, Inc.**
Jim Truax, 4821 Xerxes Avenue, Brooklyn Center, MN 55430. Ph. 763.537.6639, Fax: 763.537.8353, E-mail: Truax@pclink.com. Manufacturers of native grass and wildflower seeding equipment. Customized grass and grain drills to meet your needs and site conditions. <www.truaxcomp.com>

**Wayne County MSU Extension**
Kristine Hahn, 640 Temple, 6th Floor, Detroit, MI 48201. Ph. 313.833.3275, E-mail: hahnk@msue.msu.edu • MSU Extension delivers the information gained from research at Michigan State University to the public in the form of educational outreach and volunteer leadership programs.

**W.M.U. Landscape Services**
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**Wetlands Nursery**
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**Wild Birds Unlimited**
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**WILDTYPE Design, Native Plants & Seed**
Bill Schneider, 900 N. Every Road, Mason, MI 48854. Ph. 517.244.1140. Fax: 517.244.1142, E-mail: wildtype@msu.edu. Michigan genotypes sold exclusively. Native trees, shrubs, grasses and forbs commonly found in Michigan’s woodlands, wetlands and prairies available in small containers. Ecological design and consulting services also available. Member MNPPA. <www.wildtypeplants.com>.

**Zone 5 Gardens and Nursery**
Patti Travioli, 5470 Irish Rd, Grand Blanc, MI 48439. Ph. 810.694.0500, E-mail: patti@zone5gardens.com. Retail farm/nursery selling native perennials, herbs and garden related hard goods. Open Fri. and Sat. 10-5, Sun 11-3. <www.zone5gardens.com>

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