Inside this issue . . .

Association News & Views: 3
  President’s Note
  Calendar

Ten Steps to a Successful 4
  Small Wildflower Seeding
  by Esther Durnwald

’08 Conference Update 5

Business & Organization 6-7
  Member Directory

As of September 1st, our Web site has a new look with updated information. Visit www.wildflowersmich.org to see the changes we’ve made.

We hired Web site designer Brian McWilliams of Kalamazoo to work with our two new board members Chad Hughson and Suzie Knoll to create the Web site. Brian McWilliams is a multimedia artist and Web developer. He’s developed Web sites for a wide range of clients and takes special pride in helping artists, nonprofits, local and state parks, as well as historic and religious organizations with their web-related projects.

The WAM Web site first took form when Brian created three versions of the design/layout. The version chosen includes earth-toned colors, a beautiful

Please see “WAM Web site” on page 2
**WAM Web site**

Continued from column 2, page 1

header consisting of five photos that randomly rotate when browsing throughout the Web site, and a left side navigational menu linking to several web pages.

Brian created user-friendly administration tools so that Chad and Suzie can add and edit content on the Web site. Chad and Suzie added text and photos based on the previous Web site, existing documents, feedback from the Board, Nancy Small’s writing, and other new ideas.

After the design and content had been developed, we transferred the new files to a new host and then transferred the domain, which put us live on the internet September 1st.

The new Web site features valuable information to homeowners, educators, land managers, and others who share our enthusiasm for Michigan’s native plants and habitats. One of our primary goals as an organization is to provide awareness and education to Michigan residents about existing native plant communities and about creating similar habitats on our own properties. We feel that the best approach to accomplish our goal is not only through our annual conference, but also through our Web site.

Items in the navigational menu include:
- Information about who we are
- Up-to-date information about our annual wildflower conference including schedule and registration
- How to become a member
- Grant program criteria and application (grants are available for educational projects using native plants)
- Online newsletter
- Environmental benefits of landscaping with native plants
- Sources of native plants in Michigan
- Business and Organization Member Directory
- Invasive plants that are problematic in Michigan
- Suggested readings
- Links
- Contact us

An important addition to our new Web site is the online availability of the WAM newsletter. Although we are still printing and mailing the newsletter, the Board is currently investigating the best way to leverage this new feature to reduce printing costs, mailing costs, and to be more environmentally responsible by reducing paper usage. In addition to these advantages, an all-online newsletter can be in full color. An electronic version of the newsletter can be made available more quickly to our members by avoiding the time delay involved with printing and postal delivery. The argument against an electronic newsletter is that some of the members may not have a computer. Most all public libraries have computers available to the public and we all know at least one person who has a computer whom we might ask to print us a copy. An archive of recent newsletters will also be added to the Web site soon allowing our members to access past newsletters.

In the near future, we will be adding a comprehensive plant library consisting of several hundred species of plants native to Michigan. The list will be sorted alphabetically by scientific and common name and will include photos of each plant. Over time, we will be adding information about each plant including the physical characteristics and its soil and sun requirements.

We are also going to develop an online discussion forum that will give WAM members and Web site visitors an opportunity to share information and learn about Michigan flora and landscaping with native plants. This will be a convenient way to ask questions and offer advice, drawing from personal stories of successes and failures. This will also provide an avenue to continue discussions after our conference each year.

If you have any questions or comments regarding the Web site, please send an e-mail to info@wildflowersmich.org.

**Darwyn Heme, Chad Hughson (w/ hat), Tom and Nancy Small discuss the Web site at the July board meeting.**

Ray Rustem, Suzie Knoll, Jean Weirich, Esther Durnwald (hidden), and Susan Baldyga-Grubb discuss the 2008 conference during dinner at the July board meeting.
Well, this is the first time I can ever remember that I am looking forward to fall and winter, yes WINTER! This past summer has been brutal for all of us who work in the plant world and I hope this is not an indication of what is coming in the future. If you are a boater or a camper you probably loved the weather.

I experimented with my Rosinweed this summer, cutting it down to five inches in July. It grew right back to about three feet and bloomed at almost the same time as the tall ones, but with more flowers. I can actually see the remainder of my garden this year. The prairie grasses are making a good showing even though the lack of rain kept them shorter than in previous years.

I hope you have had a chance to look at the new Web site; our new board members, Suzie Knoll and Chad Hughson have done a fabulous job on bringing WAM up to date. The newsletter will be posted there later as well as sending out hard copies. We will be continuing to ask for those who can receive their copy on the Web site, with an e-mail alert, to help us cut costs and bring you the best possible product. We want to thank Tim Schoales for all the work he has done to develop our original Web site in 1999 and maintain it for the past eight years and hope he will continue to be involved. You can also e-mail me with any specific newsletter requests you may have, cherylt@iserv.net.

Maryann Whitman is the contact person for the education grants this year as Bob Krueger is on a special project and will not be available. All the grant information is on the Web site. If you have a school that is involved in an outdoor project, please let them know about the grants that are available.

The conference committee is hard at work and will have all the information about the conference posted on the Web site, our theme for 2008 is Saving and Spreading the Wild. The dates are March 2 & 3, 2008. Looking forward to seeing you there...

Cheryl Tolley, President
**Step 1**

ANALYZE your site. Determine soil type (sand, silt, clay, muck), drainage, moisture, slope, and amount of sunlight. Take a soil sample and test for pH and organic matter. Neither a tight wet clay soil nor a droughty, infertile subsoil is suitable for many wildflower species. It is recommended that seeding take place in Spring (mid-May to mid-June) or dormant seeding (mid-October thru November). Although seeding may be done at any time, you run the risk of losing newly germinated seedlings if either a hot, dry period or killing freeze occur before the seedlings are well established.

**Step 2**

SELECT proper species for your site. Choose wildflower/grass species for a permanent planting that are perennial, native to Michigan and grown as close to your area as possible for better adaptability. You may wish to buy some species separately for planting in colonies. If you have an erosive site, you may need to sow a cover crop for quick cover. We recommend using Wild-Rye as a cover crop. Canada Wild-Rye may be used for dry land plantings and Virginia Wild-Rye for wetland plantings. For steep slopes, an additional cover crop of Annual Rye, Seed Oats or Winter Wheat may be recommended. A cover crop also helps to suppress weed growth the first year during the slow germination period of perennials. You may also add a carrier such as damp sand to add more bulk to your seed. Please remember it takes 3-5 years for perennials to become well established.

**Step 3**

HOW MUCH seed do I need?

<table>
<thead>
<tr>
<th>Area to be Covered</th>
<th>Amount of Perennial Seed</th>
<th>Amount of Wild-Rye</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 acre</td>
<td>10 lbs. upland 7 lbs. wetland</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>1,000 sq. ft.</td>
<td>5 oz. upland 3 oz. wetland</td>
<td>1.5 oz.</td>
</tr>
</tbody>
</table>

**Step 4**

ELIMINATE competitive vegetation such as quack grass, lawn sod, and persistent perennial weeds by spraying with herbicide or by tilling for one full growing season or by a combination of the two methods. Spray with Roundup® according to label directions. Wait two weeks and again spray areas not killed. DO NOT NEGLECT THIS STEP or the planting will have little chance of success. A COMPLETE KILL IS VITAL. Ideally it is recommended that this process is repeated two or three times to assure elimination of each season’s weeds.

**Step 5**

PREPARE SEEDBED by raking, thatching, or burning, so that about 50% of the soil surface is showing. Removing all dead vegetation is not necessary. Scarify (loosen or stir) soil surface with rake, thatcher or carefully controlled tiller to a depth of one inch. Do not turn up any more new soil, as this would bring new weed seeds to the surface. Roll prior to seeding to firm the seedbed. Do not work soil further, but seed directly.

**Step 6**

SOW THE SEED with a hand-cranked whirlwind seeder if available. Otherwise sow by hand using very small amounts. For larger projects seed may be sown with mechanical seeders. Criss-cross the seedbed several times to spread the seeds evenly. Seed may be planted as a homogeneous mix or choose several species to seed separately. Sow the wildflower/grass mix over the entire plot. Plant the remaining single species in colonies or drifts. This approaches the natural state more closely, as most species tend to grow in colonies. This also gives greater visual impact. Interplant the species at the edges of the colonies to blur the boundaries and to avoid a “garden” effect.

**Step 7**

INCORPORATE SEEDS by raking very lightly or going over the area with a thatcher. Some fine seeds such as pen-stemon and bergamot prefer no covering. A good rule is to cover no seed deeper than its own diameter. Bare, erosive soil should be lightly mulched with oat straw so that 50% of the soil still shows. Roll with lawn roller or tamp small areas with rake or foot so seed will make good contact with soil.

**Step 8**

WATERING is not necessary but will speed germination and establishment. However, once watering is begun soil must be kept moist continuously until the seedlings are well established.

**Step 9**

FIRST YEAR MANAGEMENT is critical. Weeds will become the challenge the first year. We recommend following a mowing regime for at least one year post planting. Cut the planting to 4-6 inches whenever growth reaches 10-12 inches throughout the first growing season. A string trimmer works well on rough terrain or if mower cannot be set high enough. Plan to mow two to four times the first season.

*Please see “Ten Steps” on page 5*
Small Wildflower Seeding

Continued from page 4, column 2

Step 10

LONG TERM MANAGEMENT of a planting would include pulling weeds, cutting or spot spraying with herbicide. If desired, the entire planting can be mowed in late fall or early spring. If the site allows it, burning every three years in March or early April will help maintain a meadow planting. Do not burn the first two years, as tender seedlings may be damaged. Be sure to obtain a burning permit or contact a professional.

When well-established (3-5 years), wildflowers provide a relatively low-maintenance area with high aesthetic and environmental quality.
Adams Township Parks Dept.
Wendy Tatar, P.O. Box 370 Ada, MI 49301.
Ph. 616-676-0520. E-mail: parkwendy@ada.mi.us. Ada Township Park's 57 acres offer a variety of out door activities. In addition to many facilities, both paved and rustic trails meander through fields, forest, ponds and arboretum.

Ann Arbor Parks, NAP Div.
Dave Borneman, 1831 Traver Rd. Ann Arbor, MI 48105. Ph. 734-996-3266. E-mail: dborneman@ci.annarbor.mi.us Native Plant and Your Landscape & Natural Areas brochures for Southeast Michigan.

Benzie Conservation District
Mary Pitcher, PO Box 408, Beulah MI 49617. Ph. 231-882-4391 Fax. 231.882.9767. E-mail: marypitcher@charter.net A Business & Organization Member Directory

Better Finds LLC
Fouch Bugsenske, 2749 Schemm St. Saginaw, MI 48602. Ph. 989-980-6228. E-mail: miwildflowers@charter.net A licensed grower of specimen & architectural grade native Michigan perennials & ferns. Provides site evaluation, rescue, and replanting.

Brian Zimmerman & Associates
Brian Zimmerman, 434 Monroe St. Traverse City, MI 49684. Ph. 231-929-7400. E-mail: buz206@aol.com.

Creekside Herbs & Art
Wendy Wagoner, 752 N. Blindline Rd. Cedarville, MI 49719. Ph. 906-484-2415 Fax: 906-484-2631. E-mail: creekside@cedarville.net Family-owned business who strives to provide education, market hand crafted items by local artisans, and supply earth friendly products. Michigan plants and artisans when available. <www.TheEnchantedForest.com www.creekside-herbs.com>

David Borneman LLC
David Borneman, 1123 Mixtwood St. Ann Arbor, MI 48103. Ph. 734-994-3475. Fax: 734-994-3650. E-mail: davidborneman@yahoo.com Ecological restoration services, specializing in prescribed burns. <www.restoringnaturewithfire.com>

Designs By Nature
Vern Stephens, 9874 Chadwick, Laingsburg, MI 48848. Ph. 517-651-6502 E-mail: designsbynature@hotmail.com. Provides natural landscaping, design and consulting, environmental education, habitat management planning, and Michigan native wildflowers and grasses.

Edison Environmental Science Academy
Julia Kirkwood, 924 Russell St., Kalamazoo MI 49001. Ph. 269-337-0550. E-mail: kirkpap@yahoo.com. 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.

Fertile Crescent Nursery
Leila Bradfield, 8110 West ML Ave., Kalamazoo MI 49009. Ph. 269-372-1598.

Flushing Township Nature Park
Thomas Enright, 6524 N. Seymour Rd., Flushing MI 48433. Ph. 810-639-6161 Fax: 810-659-4212. E-mail: fnp@usol.com.

Gaia Grass
Jean and Craig Weirich, 3947 E. St. Joseph, Grand Ledge MI 48837. Ph. 517. 627.7927, Fax 517.622.5918, E-mail: jean@gaiagrassw.com <www.gaiagrassw.com>

Geum Services, Inc.
Steve Allen, PO Box 035, Richland MI 49083. Ph. 269-370-0150. E-mail: steve@prairiesmoke.com. Geum Services Inc. is a full service ecological consulting company offering services to individuals, organizations, communities and businesses with the hope that through education and stewardship, we can assist in creating a better environment for all.

Good Earth Landscape Institute, LLC
Michael A. Saint, 6126 Snowapple Clarkston, MI 48346. Ph. 248-620-7188. E-mail: michael.a@Goodearthlandscape.com. Promoting organic gardening, soil and water conservation, the use and preservation of native plants, the attraction of beneficial insects, and the support of Michigan Nurseries. <www.goodearthlandscape.com>

Green Works Development, LLC
Spencer Cooreman, 2360 E. Delhi Rd., Ann Arbor MI 48103. Ph. 734.355.0884 Fax. 734.663.0588. E-mail: cooreman@ameritech.net

Huron-Manistee National Forest
Pat Ruta-McGhan, Box D, 650 N. Michigan Ave., Baldwin MI 49304. Ph. 231-745-4631 Fax: 231-745-2345. E-mail: pruta@fs.fed.us.

J.F.New Native Plant Nursery
Dave Nicholson, 11181 Marwill Ave., West Olive MI 49460. Ph. 616-847-1680 Fax: 616-847-9970. E-mail: dnicolson@jfnew.com. Providing high quality environmental services while positively impacting the conservation of natural resources through prosperity and stewardship. <www.jfnew.com>

JZ Environmental
Janet Knaffla, P.O. Box 776, Marquette MI 49855. Ph. 877-JZE-4223. Environmental construction, management, and monitoring. <jzenvironmental.com>

Kalamazoo Nature Center
Sarah Reding, 7000 N. Westnedge Ave., Kalamazoo MI 49009. Ph. 269-381-1574. E-mail: sreding@naturecenter.org. A non-profit organization inspiring people to care for the environment by providing experiences that lead them to understand their connection to the natural world. <www.naturecenter.org>

Mary Ann's Michigan Trees & Shrubs
Mary Ann Menck, 28092 M-40 Hwy, Paw Paw MI 49079. Ph. 269-628-2474. E-mail: mamenck@mei.net. “Grown to prosper and stewardship.”<www.maryannstrees.com>

MCC Gardening Association
Rebecca Gale-Gonzalez, 1401 East Court St. Flint, MI 48503. Ph. 810-762-0455. Fax: 810-762-0454. E-mail: rebecca.gale@mcc.edu. Educating students and the community on basic horticultural practices and their benefits through lectures, volunteer projects and gardening related activities in and around the MCC campuses as well as in our community.
MICHIGAN WILDFLOWER FARM
Esther Durwald, 11770 Cutler Rd., Portland MI 48875. Ph. 517-647-6010. Fax: 616-647-6072. E-mail: wildflowers@voyager.net. Producers of premium native Michigan wildflowers & grass seed. Consulting and installing services available. Member MNPPA. <www.michiganwildflowerfarm.com>

MISSAUGUE CONSERVATION DISTRICT
Sherry Blaszak, 6180 W. Sanborn Rd., Ste 3, Lake City, MI 49651. Ph. 231-839-7193. Fax: 231-839-5411. E-mail: sherry.blaszak@mac.org. Promoting the wise stewardship of natural resources through education, planning, and technical assistance. <www.missaukeeced.org>

NATIVE CONNECTIONS
Jerry Stewart, 17080 Hosel Road, Three Rivers, MI 49093 Ph: (269) 580-4765 Fax: (269) 273-1367 E-mail: jerry@nativeconnections.net. Professional native plant establishment and “Seeding Specialists” with 15+ years experience. Michigan genotype grass seed, design, consultation, installation & management. Member MNPPA. <www.nativeconnections.net>

NATIVE ESCAPE LLC
Chris Lehr, 10380 Clinton Rd. Manchester, MI 48158. Ph. 517-456-9696. E-mail: info@nativescape.net. An ecological full-service center from wetland mitigation to landscape design, installation, and management. <www.nativescape.net>

NATURE & NURTURE, LLC
Erica Kempter & Mike Levine, 114 8th St., Ann Arbor, MI 48103. Ph. 734-929-0802 E-mail: info@natureandnurture.org. Land stewardship, restoring and preserving biodiversity through native restoration, organic gardening practices and organic foods, and promoting community awareness. <www.natureandnurture.org>

NORTHERN WILD PLANT & SEED COOPERATIVE
Wendy Wagoner, 2769 Ashmun St., Sault Ste. Marie MI 49783. Ph. 906.635.1278 E-mail: creekside@cedarville.net

OAK PrairIE FARM
Jim Heinrich, W4 642 Hwy 33, Pardeeville WI 53954. Family owned native seed and plant nursery raising local wild ecotype wildflowers, native grasses, sedges, rushes and ferns. Free catalog and free telephone consultation on projects.

PLANTWISE, LLC
David Mindell, 224 Charles St. Ann Arbor, MI 48103. Ph. 734-665-7168. Fax: 734-665-7168 E-mail: plantwise@aol.com. Creating, restoring, & interpreting native ecosystems and plant communities throughout Michigan and Ohio. <www.plantwisestoration.com>

R. VIX KENNEDY, INC.
Robert Kennedy, 7362 High Hill Drive, Brighton, MI 48116. Ph. 810-231-3419. E-mail: mdrvki@ismi.net. Landscape design and consultation in all areas of horticulture & arboriculture.

SANDHILL FARM
Cheryl S. Tolley, 11250 10 Mile Rd., Rockford, MI 49341. Ph. 616-691-8214 Fax: 616-691-7872. E-mail: cherylt@iserv.net. Licensed Michigan native plant dealer specializing in Michigan native forbes: woodland, wetland, and grasses. Member MNPPA.

SAVING BIRDS THRU HABITAT
Kay Charter, PO Box 288, Omena, MI 49674. Ph. 231-271-3738. E-mail: bobolink3@prodigy.net. Introducing children to the fascinating aspects of our bird world, encouraging homeowners to return their yards to native plantings, and persuading businesses & property owners to maintain existing habitat. <www.savingbirds.org>

SORUS PLANTS, LLC
Laura Liebler, 3970 Red Hawk Lane, Ann Arbor MI 48103. Ph. 734-678-6685. Fax: 734-678-6685 E-mail: info@sorusplants.com. Hardy ferns adapted to Michigan’s northern climate. All plants are either propagated from spores or rescued. Member MNPPA.<www.sorusplants.com>

SPENCE RESTORATION NURSERY
Doug Spence, 2220 E. Fuson Rd., Muncie, IN 47302. Ph. 765-282-7154. Fax: 765-282-7154 E-mail: kevin@spencenursery.com. Resources and technology for the utilization of native plants. <www.spencenursery.com>

STONEHOUSE NURSERY
Patty & Jay Steinhauser, 9319 Lauer Rd., Berrien Springs MI 49103. Ph. 269-471-2918. Fax: 269-471-3930. E-mail: sales@stonehousenursery.com. Family-owned wholesale grower with an emphasis on unique and unusual plant varieties.

TRUAX COMPANY, INC.
Jim Truax, 4300 Quebec Ave. N., New Hope MN 55428. 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>

W.M.U. LANDSCAPE SERVICES
Chad Avery, Physical Plant Kalamazoo, MI 49001. Ph. 269-387-8557. E-mail: chad.avery@wmich.edu.

WAYNE COUNTY EXTENSION
Kristine Hahn, 5454 Venoy Road, Wayne, MI 48184. Ph. 734-721-6576. Fax: 734-727-7233. E-mail: hahnk@msu.edu. Research-based educational outreach in the areas of horticulture and natural resources. <www.msue.msu.edu/wayne>

WEST MICHIGAN ENVIRONMENTAL ACTION COUNCIL
Patricia Pennell, 1514 Wealthy SE, Ste.280 Grand Rapids, MI 49506. Ph. 616-451-3051 Fax: 616-451-3054. E-mail: patricia@raingardens.org. A non-profit environmental advocacy and education organization committed to citizen empowerment and making a difference for our environment. <www.wmeeac.org>

WELTEN WILDBIRDS NURSERY
Jewel Richardson, PO Box 14553, Saginaw, MI 48601. Ph. 989-752-3492. Fax: 989-752-3096. E-mail: JEWEL-RICHARDSON@peoplepc.com. Michigan native wetlands plants and seed. Quality nursery grown native wetland plant species from Michigan genotypes. Member MNPPA.

WILD BIRDS UNLIMITED
Rosann Kovalcik, 20485 Mack Avenue, Grosse Pointe Woods MI 48236. Ph. 313.881.1410, Fax. 313.881.2008

WILDTYME NATIVE PLANT NURSERY
Bill Schneider, 900 N. Every Rd. 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 wildflowers typical of southern Michigan woodlands, wetlands and prairies. Ecological design and consulting services also available. Member MNPPA.
Your WAM membership expires on the date above your name. This is the only notice you will receive. IF IT’S TIME, PLEASE RENEW.

FALL 2007 • VOLUME 12 NO. 3

Your WAM membership expires on the date above your name. This is the only notice you will receive. IF IT’S TIME, PLEASE RENEW.

Wildflower Association of Michigan
A nonprofit organization founded in 1980, Lansing, Michigan
c/o Jean Weirich • 3947 E. St. Joseph • Grand Ledge MI 48837

WAM launches newly designed Web site at same URL: www.wildflowersmich.org

Membership Form:

Category:
- Household $ 15.00 _________
- Business or Organization 60.00 _________
- Life member (Household) 400.00 _________

Name   ______________________________________________________
Address ____________________________________________________
City _______________________________________________________
State   ____________________ Zip   ______________________________
E-mail _____________________________________________________
Phone (day) _____________________ (eve) _______________________ (eve)

Please make check or money order payable to WAM and mail with this form to:

Wildflower Association of Michigan

c/o Jean Weirich, Treasurer
3947 E. St. Joseph Street
Grand Ledge, MI 48837

The quarterly meetings of the Board of Directors are usually in April, July, October, and January. For specific dates and times, contact VP Esther Durnwald by e-mail at wildflowers@voyager.net or 517.647.6010.

Officers
President Cheryl S. Tolley
Vice President Esther Durnwald
Secretary Susan Baldyga-Grubb
Treasurer Jean Weirich

Board of Directors
Susan Baldyga-Grubb
Marvin Cooley
Esther Durnwald
Darwyn Heme
Chad Hughson
Suzie Knoll
Robert Krueger, Ph.D.
Ray Rustem
Nancy C. Small
Cheryl S. Tolley
Jean Weirich
Maryann Whitman

Past Presidents
Marjorie A. Fuller
Stephan Keto
Robert I. Welch
Louis F. Twardzik
Larry R. Hill
Kathleen Hilbert
Gerald Sosnowski
Dr. F. Glenn Goff

Directors Emeritus
Katherine Briggs
Marilyn Case
Kim Herman
Patrick Judd
Valerie Reed
Jewel Richardson
Vern Stephens
Patti Travioli
Amy Sue Anne Yeip