



Plants out of Place

The newsletter of the
INVASIVE PLANTS ASSOCIATION OF WISCONSIN

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June is Invasive Species Awareness Month 2007

by Rachel Orwan, ISAM Coordinator

Invasive Species Awareness Month (ISAM) 2007 will offer a wonderful mix of events, with something that should be of interest to a wide variety of people and groups. Scheduled events include canoe floats, television programs, tours of State Natural Areas, workdays, radio interviews, lectures, training sessions, and even an art show opening! And these only include the events that have been posted to the on-line event calendar before the beginning of May!

A myriad of groups and concerned individuals have really come out of the woodwork to plan activities throughout the state that will help further the spread of knowledge and awareness regarding invasive species. However we can still use a little bit of your help to ensure that ISAM is a success.

Visit the ISAM on-line events calendar at the following website: (<http://invasivespecies.wi.gov>). Check out events that may interest family, friends, neighbors and colleagues and encourage them to attend! Go to some events yourself – you may just learn something, and you will probably have some fun! Remember this is a worthy cause. If we are successful, we will be increasing awareness, changing behavior, engaging future volunteers and leveraging future funding of invasive species work.

One last reminder, it isn't too late to plan a community weed pull, hike, or some other event. Please submit your last minute activities to the on-line calendar so they can be included in the event count. Thanks and congratulations to you all for another successful ISAM.

Calendar of Events for the June 2007 Invasive Species Awareness Month

Please see pages 4-7 of this issue. Also, be sure to check the ISAM website: <http://invasivespecies.wi.gov>. Click on "Complete Event Listing" on the right-hand side bar. Additional events are being added daily.

Comments from the President

Your association's Board has been busy. Time to give you an update. We gathered for an all-day planning meeting in early March. Our facilitator, Melinda Habecker from UW-Extension in Dane County, guided us in reviewing three main areas: maximizing the impact of IPAW's Board, maximizing the impact of our Committees, and increasing the involvement and activity of IPAW's membership. Several ways to enhance the organization were identified; the Board is already implementing some of these and considering others. The board is meeting monthly (normally we convene every two months) to keep the momentum as we strive to help IPAW grow and evolve. IPAW membership will have ample opportunity to help us invigorate our committees and revitalize member participation in IPAW activities.

We have a new Vice President! Dr. Tom Hunt of UW-Platteville willingly accepted the nomination and was elected in March. IPAW's outgoing Vice President, Rolf Utegaard, is a founding member of IPAW and the only vice president the organization has ever had. As a member of the "inner circle" since the beginning, he is a walking history of IPAW and has done much to promote and foster our growth. While stepping down as VP, Rolf continues to chair our Communication Committee and will still attend meetings related to invasive plants to staff our display, to educate and to recruit. Thanks for your dedicated and excellent service to IPAW, Rolf!

We have two new board members to represent the interests of the "green industry" within IPAW. Join me in welcoming and congratulating Anne Walker and Matt Schmitz on their election and in thanking them for their willingness to serve. You will find information on each of them in this newsletter.

I wish you a fruitful summer, and I hope our paths will cross at one or more of the events planned for Invasive Species Awareness Month.

Jerry Doll

Clarissa Hammond, IPAW's New Program Assistant

Clarissa Hammond is originally from Dowling, Michigan, and came to Madison in 2003 to enter the graduate program in weed ecology at the UW Department of Agronomy. She graduated in the fall of 2005 and began working as a Plant Pest and Disease Specialist in the Pest Survey section of the Plant Industry Bureau of the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP). In her position she surveys for insect, weed and disease pests, writes articles for the Wisconsin Pest Bulletin, and is becoming involved with DATCP's biocontrol program.

Clarissa's first introduction to IPAW was through the website. She used the IPAW survey forms as a model for developing data sheets for some of her work at DATCP. She became interested in working with IPAW after reading the IPAW mission statement and attending the annual meeting in Milwaukee. Clarissa says, "I like the way IPAW is taking action to educate and collaborate with others to increase awareness of invasive plants." She is pleased to be involved with IPAW and looks forward to her work with the organization in the coming year.



Clarissa Hammond is IPAW's new Program Assistant.

Meet Tom Hunt, IPAW's New Vice President

Thomas C. Hunt, Ph.D., Director of Pioneer Farm Research and Director of the Reclamation, Environment and Conservation program at the University of Wisconsin-Platteville, teaches courses in restoration ecology, project management, landscape design and soil and water conservation. Dr. Hunt formerly served as senior staff ecologist with Applied Ecological Services, where he managed major projects for the company such as The Nature Conservancy's 7,200-acre restoration project at Kankakee Sands in northern Indiana, and Kennecott Mineral's Flambeau Mine Reclamation project in northern Wisconsin. Before that he was manager of land resources and stewardship for the Wisconsin Power & Light Company. He has spent the past 30 years working primarily as a restoration ecologist in the land resources area, and has experience in GIS project management, environmental affairs, real estate, and water quality.



Dr. Tom Hunt is IPAW's new Vice President.

Dr. Hunt's experience in private consulting, federal and state agencies, the energy utility industry, and now academia ranges from legislative policy development to infield restoration and management activities. His work includes restoration of endangered communities and species, mine land restoration, and classification and mapping soils for the National Cooperative Soil Survey. A native of Ashland, Wisconsin, Tom has degrees from the University of Wisconsin-Madison in soil science, a Masters in landscape architecture, and a Doctorate in land resources from the Gaylord Nelson Institute of Environmental Studies. He is a board member of the Center for American Places and the Invasive Plants Association of Wisconsin. Dr. Hunt is a life member of The Prairie Enthusiasts and American Society for Mining & Reclamation, and is active in Trout Unlimited and The Nature Conservancy.

New IPAW Board Member, Anne Walker, Home Land Garden, LLC

Anne has been a professional organic landscape gardener for over 20 years. She designs, installs, and maintains gardens, and also consults in these areas. Anne has also done several pieces for Wisconsin Public Television's "Wisconsin Gardener." She loves teaching, which she has done for the last ten years, and is passionate about plants and the concept of sustainability. She opens most talks with a discussion of garlic mustard and the idea of "an ounce of prevention is worth a pound of cure," not to mention a few backaches. She sees that she can contribute to IPAW as a board member because she is genuinely curious, respects the expertise of others, knows that many approaches and ideas are needed and truly cares about our environment.

New IPAW Board Member, Matthew T. Schmitz Manager, Golf Course Maintenance, The Bruce Company of Wisconsin, Inc.

Matt is a graduate of Penn State University's turfgrass maintenance program and is currently the Manager of golf course maintenance with The Bruce Company in Middleton. He oversees maintenance of four golf courses in the Madison area. Matt has been working in the green industry in some form or another all his life, but more specifically the last 16 years, have been in golf course maintenance. He was the Assistant Superintendent at Milwaukee Country Club, then a Superintendent with The Bruce Company at Bishops Bay Country Club in Middleton, where he was promoted after three years to his current position of Manager of Golf Course Maintenance.

Matt is a Class A superintendent with the Golf Course Superintendents Association of America (GCSAA), currently sits on the Board of the Wisconsin Golf Course Superintendents Association (WGCSA), and is the chairman of their Government Relations Committee. He also currently serves as secretary for the Penn State Turfgrass Alumni Association. He believes serving on the IPAW board will be a great experience and an opportunity to educate and promote what we do in the golf industry.

Invasive Species Awareness Month – June 2007 – Calendar of Events

**Help make Invasive Species Awareness Month a success;
attend an event in your area to show your support!**

Please check the ISAM website (<http://invasivespecies.wi.gov> click on “Complete Event Listing” on right-hand side bar); additional events are being added daily. The website contains specific information on each of the events, such as meeting location and time, and what to bring.

6/1 – Galerucella Collection Field Days (Purple Loosestrife Biocontrol Agents)

Host: Northwoods Cooperative Weed Management Area
Contact: Miles Falck, (715) 682-6619, miles@glifwc.org
County: Ashland; Location: Meet at the Great Lakes Visitor Center

6/2 – Invasive Species Woodland Field Day # 1

Hosts: The Wisconsin Walnut Council, and ISAM
Contact: Jason Sable, (608) 935-1964, Jason.Sable@Wisconsin.gov
County: Iowa; Location: Barneveld American Legion

6/2 – Invasive Species Woodland Field Day #2

Hosts: UWEX Basin Education Program, and ISAM
Contact: Kris Tiles, (715) 261-1254, kris.tiles@ces.uwex.edu
County: Marathon; Location: Oak and Fern Island City Parks

6/2 – 4th Annual Family Fun Day

Hosts: Brule River State Forest and Brule River Fish Hatchery
Contact: Bill Gobin, Cathy Khalar, (715) 372-4820, william.gobin@wisconsin.gov
County: Douglas; Location: Brule River Fish Hatchery and Bois Brule Campground

6/2 – 4th Annual Garlic Mustard Pull

Host: Kohler-Andrae State Park
Contact: Kelli Bruns, (920) 451-4080, kelli.bruns@wi.gov
County: Sheboygan; Location: Kohler-Andrae State Park

6/2 – Clean Boats, Clean Waters Workshop

Hosts: UWEX Lakes Program, North Lakeland Disc. Cent., Vilas County AIS Partnership
Contact: Maggie Moesch – (715) 543-2085, maggie@discoverycenter.net
County: Vilas; Location: North Lakeland Discovery Center

6/2 – Copper Falls Botany Bonanza

Host: Natural Resources Foundation of Wisconsin
Contact: Christine Tanzer – (866) 264-4096, christine.tanzer@wisconsin.gov
County: Ashland; Location: Copper Falls State Park

6/3 – Relaxation & Restoration on the Milwaukee River, Canoe Float

Host: Ozaukee Washington Land Trust
Contact: Sally Punzel – (262) 338-1794, owl@owl.org
County: Ozaukee; Location: Mequon Nature Preserve

6/4 – Peninsula Park Garlic Mustard Pull

Host: Door County Invasive Species Team
Contact: Peninsula Park Nature Center, (920) 854-5976
County: Door; Location: Peninsula Park

Continued on page 5

6/6 – Awards Ceremony and Reception for Invader Crusaders and Poster Contest winners

Hosts: Wisconsin Council on Invasive Species, The Nature Conservancy, and IPAW

Contact: Rachel Orwan, isam_wi@yahoo.com

County: Dane; Location: North Hearing Room of the State Capitol

6/9 – Alien Attack Drop In at the Beach

Host: Kettle Moraine State Forest - Northern Unit

Contact: Jackie Scharfenberg, (920) 533-8322, jackie.scharfenberg@wisconsin.gov

County: Fond du lac; Location: Long Lake Recreation Area

6/9 – Clean Boats, Clean Waters Workshop

Hosts: North Lakeland Disc. Cent., Vilas County AIS Partnership, UWEX Lakes Program

Contact: Maggie Moesch (715) 543-2085, maggie@discoverycenter.net

County: Vilas; Location: North Lakeland Discovery Center

6/9 – The Dirt on Invasive Species, Invasive Species Woodland Field Day #3

Hosts: Ozaukee Washington Land Trust, ISAM

Contact: Sally Punzel, (262) 338-1794, spunzel@owlt.org

County: Ozaukee; Location: Mequon Nature Preserve

6/10 – Alien Attack Drop In at the Beach

Host: Kettle Moraine State Forest - Northern Unit

Contact: Jackie Scharfenberg, (920) 533-8322, jackie.scharfenberg@wisconsin.gov

County: Fond du lac; Location: Mauthe Lake Recreation Area

6/11 – Peninsula Park Garlic Mustard Pull

Host: Door County Invasive Species Team

Contact: Peninsula Park Nature Center, (920) 854-5976

6/12 – Celebrate Lakes Day

Host: Vilas County Lakes Association

Contact: Tom Pauley, (715) 356-3296, kinsale@nnex.net

County: Vilas; Location: Trees for Tomorrow

6/12 – Clean Boats, Clean Waters Volunteer Watercraft Inspection Workshop

Hosts: UWEX Lakes Program, Trees for Tomorrow, Vilas County Lakes Association

Contact: Tom Pauley, (715) 356-3296

County: Vilas; Location: Trees for Tomorrow

6/13 – Invasive Plants on the Conversations with Larry Meiller Radio Show

Host: Wisconsin Public Radio

Contact: <http://www.wpr.org/larrymeiller/>

Location: Statewide, radio program

6/14 – Forestry Field Day

Host: LEAF

Contact: (715) 346-4956, leaf@uwsp.edu

County: Outagamie; Location: Appleton

6/16 – Opening Weekend of Forest Art in Wisconsin

Host: Forest Arts Wisconsin

Contact: Megan Lotts, (608) 333-3333, mclootts@charter.net

County: Vilas; Location: Raven Trail – Northern Highland American Legion State Forest

6/18 – Peninsula Park Garlic Mustard Pull

Host: Door County Invasive Species Team

Contact: Peninsula Park Nature Center, (920) 854-5976

6/19 – Garden Escapees

Host: Hayward Garden Club

Contact: Rachel Orwan, (715) 462-9614, rrorwan@yahoo.com

County: Sawyer; Location: Hayward

6/19 – Invasive Plants: What are they? Why are they? Where do they come from?

Host: Riveredge Nature Center

Contact: Jim Reinartz, (262) 675-6844, jimr@uwm.edu

County: Ozaukee; Location: Mequon City Hall

6/20 – Aquatic Invasives on the Conversations with Larry Meiller Radio Show

Host: Wisconsin Public Radio

Contact: <http://www.wpr.org/larrymeiller/>

Location: Statewide, radio program

6/21 – Monitoring Invasives Beyond the Boat Landing & Clean Boats Clean Waters

Host: Northwest Lakes Conference

Contact: John Haack, (715) 635-7406, john.haack@ces.uwex.edu

County: Bayfield; Location: Telemark Resort and Conference Center

6/22 – Big Red Tent - Invasive Insects

Host: Whitefish Dunes State Park

Contact: Carolyn Rock/ Bill McNee, (920) 823-2400, bill.mcnee@wisconsin.gov

County: Door; Location: Whitefish Dunes State Park

6/22 – Forest Invaders on Their Way Here

Host: Potawatomi State Park

Contact: Bill McNee, (920) 662-5430, bill.mcnee@wisconsin.gov

County: Door; Location: Potawatomi State Park

6/23 – Clean Boats Clean Waters Workshop

Hosts: Door County Invasive Species Team, UWEX Lakes Program

Contact: Bob Bultman, (920) 746-5955, dcist1@gmail.com

County: Door; Location: Baileys Harbor Town Hall

6/23 – 6/24 – Grounds for Improvement – Terrestrial Invasive Species

Host: Discover Wisconsin

Contact: Great Lakes Indian Fish and Wildlife Commission, (715) 682-6619

Location: State-wide, on television

6/25 – Moth Man Shares the Buzz on Bad Bugs

Host: Peninsula State Park

Contact: Kathleen Harris or Bill McNee, (920) 868-3258, kathleen.harris@wisconsin.gov

County: Door; Location: Peninsula State Park White Cedar Nature Center

6/25 – Peninsula Park Garlic Mustard Pull

Host: Door County Invasive Species Team

Contact: Peninsula Park Nature Center, (920) 854-5976

6/26 – Forest Insects and Disease

Hosts: FISTA and Great Lakes Timber Professionals Association

Contact Phone: (800) 551-2656

County: Wood; Location: Hotel Mead

6/29 – Clean Boats, Clean Waters Volunteer Watercraft Inspection Workshop

Hosts: UWEX Lakes Program, Oneida Land & Water Conservation
Contact: Radley Watkins, (715) 369-7836, rwatkins@co.oneida.wi.us
County: Oneida; Location: Three Lakes Town Hall

6/30 – Invasive Species Woodland Field Day #4

Hosts: Living Forest Cooperative, and ISAM
Contact: Scott Bagley, (715) 682-0007, scott@livingforestcoop.com
County: Ashland; Location: Ashland, WI

6/30 – Eastern Prairie Fringed Orchid Survey and Habitat Management Tour

Hosts: WI Wetlands Association, DATCP's Endangered Species Habitat Program, Lake Koshkonong Wetlands Association and Madison Audubon Society
Contact: Laura England, (608) 250-9971, programs@wisconsinwetlands.org
County: Rock

6/30 – Canoe Ottawa Lake Fen State Natural Area

Host: Natural Resources Foundation of WI
Contact: Christine Tanzer, (866) 264-4096, christine.tanzer@wisconsin.gov
County: Waukesha; Location: Dousman, WI

6/30 – Canyons and Savannas of Rocky Run

Host: Natural Resources Foundation of WI
Contact: Christine Tanzer, (866) 264-4096, christine.tanzer@wisconsin.gov
County: Columbia; Location: Wyocena, WI



The Prairie Enthusiasts remove trees and brush at A to Z Farms, January 2007 -- and look really happy about it! Photo: Amy Staffen

Regional Invasive Plant Groups in Wisconsin

by Kelly Kearns

IPAW has encouraged development of local and regional invasive plant groups throughout Wisconsin. IPAW By-Laws allow regional groups to be official “chapters” of IPAW. IPAW encourages anyone involved with a regional group, or interested in getting one started, to contact the organization for information about becoming a chapter. There are federal and statewide grant funds that might become available for work on invasives as early as July 2007. Some of these grant programs may require that an organization is an official Cooperative Weed Management Area (CWMA) to be eligible for funding.

The Midwest Invasive Plant Network has been conducting on-line training sessions to teach people how to form a CWMA. CWMA's are groups that agree to work together and share resources to manage invasive plants on public and private lands in a specified geographic area. Wisconsin currently has two CWMA's complete with signed memoranda of understanding. Several other groups are working toward that end. Anyone interested in forming a CWMA can find resources at www.mipn.org, or contact Kelly Kearns at WDNR, (608) 267-5066, to get a CWMA cookbook.

Following is a list of organizations formed to work specifically on invasive plant education, prevention, control and/or management. If you are interested in getting involved with one, please contact the person listed for more information:

- **North Woods CWMA** (Ashland, Bayfield, Douglas, Iron) – Leah Gibala, Bad River Band, wetlands@badriver.com, (715) 682-7123
- **Giant Hogweed CWMA** (Iron and Gogebic, MI) – Ian Shackelford, Ottawa National Forest, ishackelford@fs.fed.us, (906) 932-1330 ext. 508
- **CWMA (Sawyer, Price, Rusk and Taylor)** – Marjy Brzeskiewicz, Chequamegon/Nicolet National Forest, mbrzeskiewicz@fs.fed.us, (715) 762-5199.
- **Vilas County Aquatic Invasive Species Initiative** – Ted Ritter, Vilas Co. Land Conservation Department., teritt@co.vilas.wi.us, (715) 479-3738
- **Oneida County Aquatic Invasives Coordinator** – Radley Watkins, rwatkins@co.oneida.wi.us, (715) 369-7836
- **Presque Isle Garlic Mustard Group** – Merrill Horswill, nirvanas3@yahoo.com
- **Door County Invasive Species Team** – Bob Bultman, Door Co. Land Conservation Dept., dcist1@gmail.com, (920) 746-2214
- **Brown County Invasive Plant Group** – Vijai Pandian, UW Extension Horticulture Agent, Brown Co. vijai.pandian@ces.uwex.edu, (920) 391-4611
- **Greater Sauk County Invasive Plant Team** – John Exo, UW Extension Basin Educator, john.exo@ces.uwex.edu, (608) 355-3554, and Jen Stewart, Sauk County Land Conservation Department, jstewart@co.sauk.wi.us, (608) 355-3245
- **Monroe County Invasive Plant Team**, david.beckmann1@us.army.mil, (608) 388-5374
- **Madison Area Weed Warriors** – Tammy Bieberstein, jybolybey@yahoo.com, (608) 257-1329
- **The Prairie Enthusiasts**, astaffen@tds.net
- **Ozaukee/Washington Invasives Group** – Mark Feider, OW Land Trust, feider@wi.rr.com

No formal groups have been established in the following regional areas, but the listed people have interests in developing invasive plant groups:

- **Milwaukee County** – Jim Goulee, Executive Director-Park People, jim@parkpeoplemke.org, (414) 273-PARK
- **Racine/Kenosha Invasive Plant Group** – Lori Artiomow, artiomow@tds.net
- **Military Ridge Heritage Area Group** – Cathy Bleser, Catherine.bleser@dnr.state.wi.us, (608) 275-3308, or Amy Staffen, astaffen@tds.net
- **Manitowoc County** – Tom Ward, TomWard@co.manitowoc.wi.us, (920) 683-4184
- **Southwestern WI** – Jesse Bennett, jesse@driftlesslandstewardship.com, (608) 996-2135
- **Western Dane/Eastern Iowa Counties** – Bob Wernerehl, Blue Mounds Project, wernerehl@wisc.edu, (608) 577-8672
- **Waukesha County** – Waukesha Land Conservancy, wclc@wi.rr.com, (608) 996-2135

2007 Invader Crusader Nominees

Each year, as part of Invasive Species Awareness Month, the Wisconsin Council on Invasive Species honors individuals and organizations whose contribution to education, policy development, and on-the-ground work are an inspiration to others working in the field of invasive species. The work and dedication of these people are examples of the difference one person can make. This is what the **Invader Crusaders** represent, and here are the 2007 nominees.

Baraboo Hills Stewardship Volunteers, Baraboo (group volunteer effort): The Baraboo Hills Stewardship Volunteers remove invasive plants from The Nature Conservancy's preserves and are very active in educating the community about invasives.

Tom Boos, Madison (volunteer effort): Tom volunteers many hours with various groups, including IPAW, The Prairie Enthusiasts, The Natural Resources Foundation of Wisconsin, The Nature Conservancy and Pleasant Valley Conservancy. Tom's greatest asset is his enthusiasm and ability to inspire others.

Kathie and Tom Brock, Shorewood Hills (volunteer effort): The Brock's invasive species work has been instrumental in getting many other private landowners to begin or improve prairie and savanna restoration efforts.

Marjory Brzeskiewicz, Park Falls (professional effort): Marjie has been central in the Chequamegon-Nicolet National Forest's effort to inventory and control invasive species, and in the development of regional Cooperative Weed Management Areas.

Laura Felda-Marquardt, Rhinelander (professional effort): Laura built the highly successful Clean Boats, Clean Waters program from its initial concepts into the statewide force that it is today. Since 2002, she has trained over 1,000 volunteers to keep invasive species out of Wisconsin's lakes.

Paul Hartman, Green Bay (professional effort): During his career as an Extension Agent, Paul served Brown County and beyond with education, in-field projects, and involvement with policy makers, to help promote the control of invasive plants.

Kim Mello, Tomah (professional effort): When Kim started his invasive species management program at Fort McCoy in 1989 it was one of the Department of Defense's first major efforts to acknowledge the impacts invasive plants have on DOD lands.

Eunice Padley, Madison (professional effort): In response to requests from the Governor, Eunice spearheaded a 2005 study that identified plant species currently posing the greatest threat to Wisconsin forests, the ecological and economic impacts posed by invasive plants, and various ways that the Division of Forestry could address the problem.

Linda Parker, Park Falls (professional effort): In her role as ecologist for the Chequamegon-Nicolet National Forest (CNNF), Linda has been a champion for preventative measures and control efforts for invasive plants.

Becky Sapper, Ashland (volunteer effort): As a volunteer member of the Wisconsin Council on Invasive Species for three years, Becky was the primary person to initiate Invasive Species Awareness Month (ISAM) in Wisconsin.

Penny and Gary Shackelford, Milton (volunteer effort): Penny and Gary have had profound effects on many people through their efforts at education, and on 380 acres of woodlands, wetlands, prairies, savannahs and fens belonging to them and their neighbors.

Rick Shulte, DeForest (professional effort): As a representative of UAP Timberland, Rick has tirelessly traveled Wisconsin to meet with and educate land managers, answering questions and providing advice on the safe and effective use of herbicides for plant management.

Linda Spelshaus, Sheboygan (volunteer effort): Linda has been the Purple Loosestrife Education and Control Coordinator for Ozaukee Master Gardeners since 2003; she has trained over 100 volunteers to rear the loosestrife-eating beetles.

Bob Tully, Baraboo (volunteer effort): As the founding President of the Friends of Devil's Lake State Park (FODL), Bob has worked behind the scenes to maintain and restore the natural beauty of the park since 1996.

Ken Wade and Pat Trochlell, Blue Mounds (volunteer effort): Ken and Pat have taken on the battle of invasives on their property with enthusiasm and energy, and through that effort have formed a community of invader crusaders in the Town of Vermont and adjacent towns.

Julie Zolondek, Fitchburg (volunteer effort): Julie has worked to prevent the growth of Invasive Species in Wisconsin for over 8-years during high school and college. She has been active with the Wisconsin State Park System since she was 16-years old.

Invaders in Our Forests

Rachel Orwan, ISAM Coordinator, Bill McNee, DNR NE Region Gypsy Moth Suppression Coordinator, and Mark Renz, UW Extension Weed Agronomy Scientist

Woodlands, once thought of as stable and resistant to invasion, are now home to some of our most troublesome new invaders. Some species have been around for many years and are well known, while others are fairly new to Wisconsin's forests.

Emerald ash borer (EAB) and gypsy moths alter forests by feeding on the most visible components – the trees. EAB is the exotic insect of most concern to foresters in our region, because it is fatal to all ash (*Fraxinus*) species. The tunneling of EAB larvae, feeding in the cambium just under the bark, cuts off the supply of food to the tree's roots. Previously healthy trees decline and die within a few years of infestation. In 2006, EAB was discovered at a number of sites in northern Illinois, placing the insect only about 30 miles from Wisconsin. As of April 2007, EAB has not been found in Wisconsin. When it does enter the state, we stand to lose 717 million ash trees, including many urban street trees (<http://www.emeraldashborer.info/>).

Gypsy moth has been established in Wisconsin for about 15 years. Their caterpillars will feed on many species of tree, but they favor oaks. Populations are cyclical and when very high they can completely defoliate a tree in a week. Defoliated trees become stressed and are frequently killed if they have any other compounding problems such as drought, disease, or physical damage.

Invasive plants, on the other hand, largely affect

what's under the canopy – the herbaceous vegetation, shrub layer and young trees. These invaders can diminish the ability of a forest to regenerate. Garlic mustard, an herb from Europe, produces abundant seed, can tolerate full shade conditions, and can encroach on undisturbed forests. Furthermore, it emits chemicals that likely inhibit the growth of native species (Vaughn, S.F. and M.A. Berhow. 1999. Allelochemicals isolated from tissues of the invasive weed garlic mustard (*Allaria petiolata*). *Journal of Chemical Ecology* 25:2495-2504.). Buckthorn and bush honeysuckle form dense thickets that shade out desirable plants and tree seedlings – producing a virtually barren forest floor underneath their branches.

Invasive species have caused a reduction in desirable native understory vegetation, and it is getting more and more difficult for young trees to become established and survive to maturity. Forests need help; ISAM is working with local groups to plan Woodland Field Days around the state. These field days will educate forest landowners and land managers about specific invasive species and why we need to be on the lookout for them. The goal is to teach landowners how to monitor for invasives, how to most effectively manage them once they are established and, most importantly, how to prevent their spread. These days are listed in the ISAM events calendar as "Invasive Species Woodland Field Days". The events are free, but space is limited. Please register for each individual event if you would like to attend.

***THE EVIL WEED* by Kathy Dodd Miner, Madison**

Garlic.

Mustard.

It sounds good to eat,
perhaps on a hot dog or
in soup or sauce--
and apparently to some few
it is. It is also,
and I really hate to say this,
a cute little plant--
coming up an attractive rosette,
leaves round and scalloped and
a pretty shade of green,
slender stems a purplish red.

But they tell us it is
destructively aggressive, an exotic interloper
which will crowd out toothworts
and troutlily
and Dutchman's Breeches
and perhaps even
violets. (Don't get me *started*
on violets.) Anointed warriors,
we show no mercy, but
rip it out by the roots
wherever we find it,
leaving orange plastic banners
to mark our conquest.

Aquatic Invasive Species: A New Face & New Opportunities

by Julia Solomon

Greetings IPAW Enthusiasts! Some of you may have known Mandy Beall or Kerrie Cunningham, my predecessors as Wisconsin's Aquatic Invasives Education Specialist; a position I began in October. My position is a collaboration between UW Extension and the Department of Natural Resources, so I wear two hats and have two offices. Please feel free to get in touch with me at any time at either the Environmental Resources Center, UW Madison, or at the DNR Central Office.

Julia Solomon, Aquatic Invasives Education Specialist

UW Extension & Wisconsin Department of Natural Resources

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With spring here, as you begin to think about all things green and growing, some of which are unwelcome, I want you to know about some exciting projects and ways that you can get involved.

Clean Boats, Clean Waters

Our volunteer watercraft inspection program is entering its sixth season. Volunteers have logged more than 25,000 hours at landings and inspected over 67,000 boats across Wisconsin. Through the Clean Boats, Clean Waters program, volunteers are trained to organize and conduct a boater education program in their community. Boaters are educated about how and where invasive species are most likely to hitch a ride. Volunteers check boats and trailers for invasive species, distribute informational brochures, and report any new water body infestations. To get involved, contact Laura Felda-Marquardt. (laura.felda@wisconsin.gov, (715) 365-2659)

Citizen Lake Monitoring Network

All around Wisconsin, teams of volunteers are tracking the health of lakes. Volunteers monitor water clarity, water chemistry, aquatic plant communities, and invasive species. The data collected by this program are important for communities and lake associations working to understand and care for their lakes, and for DNR staff and other professionals who use these data to make management decisions. To learn more, contact Laura Herman. (lherman@uwsp.edu, (715) 346-3989)



Julia Solomon is Wisconsin's new Aquatic Invasives Education Specialist.

Purple Loosestrife Biocontrol

You have probably heard of *Galerucella calmariensis* ("Cella" to her friends), the famous beetle whose specialty is munching through stands of purple loosestrife. But did you know that you could raise and release your very own beetles? Starter kits of 100 beetles are free and can multiply to as many as 10,000 beetles over the course of a season. This is a great project for families or classrooms! Contact Brock Woods to order beetles and get more information about the purple loosestrife biocontrol program. (brock.woods@wisconsin.gov, (608) 221-6349)

Responsible Water Gardening

Invasive species are commonly transported in the horticultural trade, both through intentional orders and unordered "hitchhikers" that arrive along with desired plants. We have launched a campaign to reach water gardeners and nurseries, letting them know about the problem of aquatic invasive species and encouraging them to take steps to prevent introduction. We have produced a variety of educational materials (posters, displays, fliers, plant sticks, plant tags, and PowerPoint presentations) and distribute them throughout Wisconsin. If you would like to distribute materials to nurseries or organizations, please contact me.

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Join IPAW Today!

Invasive Plants Association of Wisconsin

P.O. Box 5274

Madison, WI 53705-0274

Membership Categories:

- \$20.00 individual
- \$100.00 organization/agency

For information about joining and a membership form,
email: Membership@IPAW.org

Check out what IPAW is working on!
go to www.ipaw.org

Plants out of Place

is a periodic newsletter distributed to the members of IPAW.

Send comments, suggestions, and articles that you think may be of interest to IPAW to the newsletter **Editor:**

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