



Plants Out of Place

the newsletter of the

INVASIVE PLANTS ASSOCIATION OF WISCONSIN

Issue 5—July 2003

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You won't want to miss the IPAW "Invasive Plants of the Upper Midwest" Symposium on Saturday, 27 September!

As part of the 30th Annual Natural Areas Conference (September 24 - 27, 2003), the Invasive Plants Association of Wisconsin (IPAW) is co-hosting the "Invasive Plants of the Upper Midwest" Symposium. For more information about the Natural Areas Conference and for online registration visit, www.naturalarea.org

The "Invasive Plants of the Upper Midwest" Symposium will be held from 8 am to 5 pm on **Saturday, 27 September 2003**, at the **Monona Terrace Convention Center in Madison, Wisconsin**.

Cost: There is a reduced one-day registration cost of **\$40 if you register by 21 August**. Students or others interested in volunteering their time in exchange for a further reduced rate should contact Kelly Kearns (kearns@dnr.state.wi.us).

Who should attend: The symposium is geared towards providing practical information to professional and volunteer land managers, landowners, and agency personnel who work with invasive plant issues.

The IPAW invasive plants symposium is in the final stage of planning:

- The symposium currently has over **70 talks**, **2 workshops** and **5 panel discussions** scheduled. Abstracts of the talks are published on the conference website (www.naturalarea.org).
- At least **15 Poster presentations** will be displayed.
- There will be an **invasive plants tools display** – If you have homemade or interesting tools for work on invasives that you would like to display, please contact Tom Boos (boost@dnr.state.wi.us)
- There will be a display of **educational materials** – If you have materials that you would like to display or share, please contact Darcy Kind or Lauren Ebbecke (kindd@dnr.state.wi.us)
- There will be a **display of live invasive terrestrial and aquatic plants** – If you can help provide specimens of some of the less common terrestrial invasive plants, please contact Gigi La Budde (bbf@mhtc.net). If you can provide aquatic plant specimens, please contact Laura Herman (hermal@dnr.state.wi.us).

<i>Invasive Plants of the Upper Midwest Symposium, Continued</i>
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- There will be a **display of new invaders to watch for**. Please contact Kelly Kearns if you have species to suggest or specimens you can provide (kearns@dnr.state.wi.us).
- There will be a **field trip on Friday, September 26** focused on successful and failed control methods for invasives.
- The **IPAW Annual Meeting** is scheduled for the lunch break on Saturday. If you are not yet a member of IPAW, this is your chance to learn more about the statewide organization devoted to invasive plants in natural areas. Bring your own lunch, or purchase some at the Monona Terrace café.

IPAW still needs several volunteers to help with a variety of tasks on the day of the symposium. We need help with set-up, tear-down, staffing displays, assistance with registration, training of student audio-visual volunteers, and other work. Please contact Kelly Kearns soon if you can volunteer to help. IPAW also still needs items for a raffle and silent auction. If you have books, posters, interesting nature-based items, or even a service such as taking a group on a field trip, please contact Karen Bassler at Gathering Waters (kbassler@gatheringwaters.org).

We are all looking forward to your participation in this regional conference to share new and practical information on invasive plants of the Upper Midwest.

Tentative list of sessions and speakers at the 2003 Invasive Plants of the Upper Midwest Symposium

A) IMPACTS OF INVASIVES - Jim Reinartz

1. Assessment of the herbaceous community and presence of *Alliaria petiolata* at Collins Woods - **Peter Frank and Anton Endress**
2. Do invasive plants impact native amphibians? - **Vicky Nuzzo**, John Maerz, Carrie Brown, and Bernd Blossey
3. Using data on impacts of invasive species to help prioritize threats and document the need for prevention and control activities - **John Randall**
4. *Microstegium vimineum*: how worried should we be? Light as a limiting factor in growth of *M. vimineum* and *M. vimineum*'s effects on species diversity - **Carolyn Cromer**
5. *Rhamnus cathartica* (common buckthorn): Replacement or addition of an invasive species into the floodplain forests of the Lower Wisconsin State Riverway - **Esther Alsum**, Brack Hale, and Michael Adams
6. Session for participants to share observations and data on impacts - moderated by **Jim Reinartz**

B) PREDICTING AND ASSESSING INVASIVENESS and INVENTORY - Ellen Jacquart

1. The trade in live freshwater organisms in the Upper Midwest: what species are involved, what risks are posed, and how can these risks be best managed? - **Reuben Keller** and David Lodge
2. Weeds to watch for - plants that have the potential to become invasive in the Upper Midwest - **Kelly Kearns**
3. Developing an invasive plant list for Chicago Botanic Garden - **Kayri Havens**
4. Modeling the spread of invasive plants on a frequently disturbed military training site, Little Falls, MN - **Jill Babski** and Jorge Arriagada
5. Local efforts on early warning and rapid response - **Jaime Corbisier**
6. Efficient and effective monitoring of invasive plant species. - **Dan Salzer**
7. National and regional efforts to inventory, map and assess invasive plants -an update - **John Randall** and Barry Rice
8. Assessing the invasive plant species threat in Indiana - **Ellen Jacquart**
9. Prioritizing invasive plants for management - **Miles Falck** and Steve Garske
10. Development of the IPAW working list of the invasive plants of Wisconsin - **Jim Reinartz**

<i>Sessions and Speakers, Continued</i>

C) POLICY AND POLITICS - Bonnie Harper-Lore

1. Unsolved problems in the war on weeds - **Bonnie Harper-Lore**
2. Invasive plants: recent policy advances - **Faith Campbell**
3. The city of Ann Arbor's invasive species list - **David Borneman**
4. Cooperative efforts between the horticulture industry and Exotic Pest Plant Council in Florida - **Doria Gordon**
5. Minnesota's exotics experience - **Jay Rendall**
6. Developing a new Wisconsin noxious weed law - **Dan Wilson**

D) VOLUNTEER EFFORTS - Kathleen Harris

1. Start-up strategies for an invasive plant internship program - **Kathleen Harris**
2. Tug-a-suckle: a cheap, easy and fun way to use kids to clear out honeysuckle - **Scott Johnson**
3. Volunteer surveys of Iowa counties for invasives - **Chris Evans**
4. Panel and audience discussion: Tips and techniques for recruiting and motivating volunteers - **Kathleen Harris, Scott Johnson, Mary Lerman**

E) CONTROL METHODS- Steve Richter, Hannah Spaul, Matt Zine

1. Honeysuckle, not as sweet as its scent: Herbicides for controlling honeysuckle - **Rick Schulte**
2. Restoring natural processes inhibits the re-invasion of *Rhamnus cathartica* (common buckthorn) and *Lonicera x bella* (bush honeysuckle) - **Jolene Ackerman** and Bryn Scriver, Mark Leach, and Evelyn Howell
3. Status of kudzu (*Pueraria lobata*) in Illinois: a framework for eradication - **Jody Shimp** and Terry Esker, William McClain, John Ebinger and Amy Young
4. Creative use and maintenance of land management tools - **Wayne Pauly**
5. ASV's, mowers and other large mechanical devices - **Ron Kurowski**
6. Utilizing rotational cattle grazing in oak savanna restoration - **Emily Kathol** and John Harrington
7. Sheep and goat grazing to control invasive plants - **Brian Pillsbury**
8. New approaches for controlling grassland invasive forbs: a panel discussion - moderated by **Matt Zine and Steve Richter** - panel members include: **Paul Micheker, Willis Brown, Mike Engel, and Jerry Doll**

F) HERBICIDE USE - Ursula Petersen

1. So you've decided to use an herbicide: what are the basics to ensure success and safety? - **Jerry Doll**
2. Herbicides: The dos, don'ts, hows and how nots to timing and additives for achieving the best results - **Rick Schulte**
3. Alternatives to commercial herbicides - **Steve Glass**
4. Subtle biological effects of common herbicides - **Warren Porter**

G) BIOCONTROLS - Derek Strohl

1. The educational uses of purple loosestrife biocontrol in the high school classroom - **Greg Bisbee and John Rhude**
2. Biological control of purple loosestrife in Minnesota (1992-2003) and the potential for biological control of European buckthorn - **Luke Skinner**
3. Biologic control of garlic mustard: What have we achieved and what's next? - **Bernd Blossey**
4. Biological control of leafy spurge (*Euphorbia esula*) at Fort McCoy - **Dave Beckman** and Kim Mello, Brent Friedl, Nathan Tucker
5. Biological control of Eurasian water milfoil with herbivorous insects - **Ray Newman**
6. Rose rosette disease as a potential biological control agent for multiflora rose in Wisconsin - **Adrian Barta**

<i>Sessions and Speakers, Continued</i>

H) INVASIVE PLANTS AFFECTING FORESTRY - Quita Sheehan

1. Weeds in the woods - **Gary Fewless**
2. Skid trails and haul roads and their influence on plant richness and composition: a research study- **Elizabeth Nauertz** and David Buckley, Thomas Crow, and Kurt Schulz.
3. Exotic species in Wisconsin forest understory communities: what a difference 50 years can make - **Tom Rooney** and Dave Rogers, Shannon Wiegmann, and Don Waller
4. Non-native invasive species on eastern National Forests - **Nancy Berlin and Rita Beard**
5. Eliminating and harvesting black locust from your forest - **Juris Repsa**
6. Incorporating invasive species in forestry planning and practice on private lands - **Fred Clark**
7. North central woodland invasive species survey - **Chris Evans**

I) AQUATICS - Deb Konkel and Frank Koshere

1. Early spring applications of Aquathol K for control of curlyleaf pondweed and Eurasian watermilfoil - **John Skogerboe** and Angela Poovey
2. Lime slurry—An Innovative Management Tool for Aquatic Plants - **Meg Rattei**
3. APM plans and aquatic plant permitting - why, when, how - **Jeff Bode**
4. *Hydrilla verticillata* survive Wisconsin winters? It could happen - **Kristine Maki** and Susan Galatowitsch
5. Managing aquatic exotics and invasive species using water fluctuation - **Stan Nichols**
6. Identification and invasiveness of North American *Typha* species - **Galen Smith**
7. Aquatic exotic plant identification workshop - **Laura Herman and Deb Konkel**

J) REED CANARY GRASS AND PHRAGMITES- Chris Reyes

1. Factors that influence dominance by reed canary grass (*Phalaris arundinacea L*) in wet meadows - **Suzanne Kercher** and Joy Zedler
2. Mapping wetlands dominated by reed canary grass using Landsat thematic mapper imagery: A tool for wetland condition monitoring - **Tom Bernthal** and Kevin Willis
3. Processes of floristic degradation in urban and suburban wetlands in northwestern Indiana - **Young Choi** and Carolyn Bury
4. Using morphological characteristics to distinguish invasive introduced genotypes of *Phragmites australis* from native North American genotypes - **Bernd Blossley**
5. *Phragmites australis*: A native invasive species in Lake Superior wetlands? - **Elizabeth Lynch**
6. Reed canary and phragmites control panel discussion - **Jeff Nania, Arthur Kitchen, Craig Annen, Sue Galatowisch, Dan Spuhler**, moderated by **Alice Thompson**

K) INDUSTRY PERSPECTIVES ON INVASIVE PLANTS - Susan Lehnhardt

1. Reed canary grass: friend or foe - **Michael Cassler**
2. Ideas for an improved relationship between the nursery industry and natural areas managers - **Mike Yanny**
3. Linking horticulture and ecology to prevent plant invasions: voluntary codes of conduct - **Kayri Havens**
4. Panel discussion with presenters and Juris Repsa - facilitated by **Susan Lehnhardt**

L) FUNDING OPPORTUNITIES/ RESOURCES FOR PRIVATE LANDOWNERS - Mike Engel

1. Wisconsin's Forest Tax Laws and Their Implications for Natural Community Restoration - **Brad Hutnik**
2. Wildlife habitat restoration on private lands: how the U.S. Fish and Wildlife Service can help combat invasive species - **Mike Engel**
3. USDA Program Assistance Opportunities. - **Robert Weihrouch**

*Sessions and Speakers, Continued***M) EDUCATION**

1. Clean boats, clean waters - **Laura Felda** and **Mandy Beall**
2. Invasive species as resources for classroom experimentation and academically-based service learning - **Kenneth Bergwerf** and **David Warners**
3. Not in our woods: a model for educating woodland owners about invasives - **Gigi La Budde**

N) GENERAL CONTRIBUTED SESSION

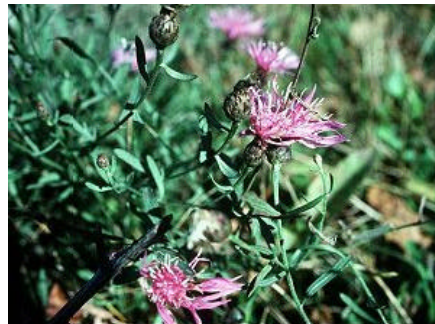
1. A strategic approach for managing invasive plant species at nature reserves - **Alan Carpenter**, John Randall and Thomas Murray
2. Models for invasive species control in communities: Buckthorn busting in St. Paul - **Mary Lerman**
3. Does escape from natural enemies contribute to invasiveness of introduced plants? An experimental test with goldenrod (*Solidago gigantea*) - **Gretchen Meyer**, Robert Clare and Ewald Weber

Could something good come from an invasive plant?

Jorge Vivanco, a Colorado scientist, has isolated a chemical from spotted knapweed roots that could be used as a natural weed killer. The chemical, called catechin, was not previously known to be toxic to plants and is being considered "an environmentally friendly herbicide". Vivanco hopes it will be "fast-tracked" for EPA approval and available on the market in two or three years. Though some scientists still have questions about its effects on human health, catechin has great potential for agricultural use and could even be used as a preventative agent.

For more information on this research and its potential applications, see <http://unisci.com/stories/20022/0627023.htm>

From: "Roots of invasive weed hold promise as natural weed-killer". By Katherine Vogt, Associated Press. March 9, 2003



Spotted Knapweed
(*Centaurea biebersteinii*)

Source: Wisconsin State Herbarium Website

**2003 Wisconsin Wetlands Association
Purple Loosestrife & Phragmites Survey**

The Wisconsin Wetlands Association (WWA) needs **volunteers** for its statewide Purple Loosestrife & Phragmites survey. You can help to acquire a better understanding of the locations of infestations, and how to more efficiently battle the spread of Purple Loosestrife and Phragmites in Wisconsin. The WWA invites groups and/or individuals to "adopt a waterway" by surveying a stretch of a river, a lake, or a cluster of lakes.

The survey is very simple. WWA provides maps, data sheets, and training sessions in most Wisconsin coastal counties. You conduct the survey and send the maps and data sheets back to the WWA. The data will be posted on the Great Lakes Indian Fish & Wildlife Commission's website, www.glifwc-maps.org. WWA and the Wisconsin DNR are also providing fall and winter training sessions on bio-control and will provide materials to new cooperators.

To locate **Training Sessions** near you visit:
www.wiscwetlands.org/cellacalendar.htm

For **more information** please contact the Wisconsin Wetlands Association:

Davina Halvorson,
(920) 465-3006, Davina@wiscwetlands.org
or Derek Strohl,
(608) 250-9971, Derek@wiscwetlands.org

IPAW Thanks its Outgoing Board Members

Three members of the IPAW Board of Directors completed their terms of service this spring. All have served since IPAW's inception in March of 2000 and were instrumental in helping to get the organization on its feet. A hearty "thank you" for their work on behalf of IPAW!

Tom Brock served as our treasurer for the past three years. In addition to keeping track of our funds, paying our bills, and welcoming new members, Tom filed our original paperwork to incorporate, and obtained our non-profit status. This was an important step for us as it made us eligible for government grants, and allowed donations to be tax-deductible. Tom has also managed the day-to-day business of handling our mail.

Tim Gerber served on the science committee and worked to make sure the Invasive Plant Survey was coordinated with the work of the Great Lakes Indian Fish and Wildlife Commission. His botanical expertise, especially with aquatic species was a tremendous help.

Kent Van Horn provided helpful insight as our organization has developed, bringing with him valuable experience from his work with a similar organization in Florida. His background in planning has helped guide the formation of our young group.

Are you planning or know of a workshop or conference of interest to other IPAW members?

Let us know and we will post relevant information on our web site! **Send your submissions to Marsha Vomastic (vomastic@charter.net)**. Don't forget to visit our web site (www.ipaw.org) for information on upcoming meetings or programs that may be of interest to you!

Thank You – To a Key Volunteer

Volunteer and member **Dave Beckmann** is responsible for the development and maintenance of the IPAW email distribution list. Dave established the service and developed mailing lists to invite IPAW members and other interested parties to join the service. He continues to maintain the service, acts as moderator, and assists group members with their questions. Thanks to Dave, we are in touch with each other, and sharing valuable information about invasive plants!

David is a Colorado State University Research Associate/Wildlife Biologist at Fort McCoy near Sparta, Wisconsin. His primary responsibilities include deer and turkey population management, hunting seasons, biological control of leafy spurge, and general invasive plant control management. David became involved with invasive species in 1992 when Fort McCoy began mapping leafy spurge distribution. He has since developed an invasive species database for Fort McCoy, and has been involved with invasive plant control of leafy spurge, spotted knapweed, glossy buckthorn, honeysuckles, and garlic mustard. His exposure to invasive plants and their impacts to native flora and fauna has compelled him to work towards the control and eradication of these species through direct treatments and by providing information to a wide range of public and private interests.

Get Involved in Regional and County Groups!

The following groups are actively working at invasive species control around Wisconsin. They can use your help! Contacts are listed.

Central – Mike Engel

Mike_Engel@fws.gov
(608) 221-1206 ext 21

Western – Rolf Utegaard

bigute-hort@prodigy.net
(715) 834-0065

Northwoods Weed Initiative —

Quita Sheehan
msheehan01@fs.fed.us
(715) 479-2827

Northeastern — Gene Tiser

tiserg@dnr.state.wi.us
(920) 492-5836

Southern – Coordinator needed

Southeast – Coordinator needed

Milwaukee County Weed Out —

Ken Solis
ksolis@drjump.com
(414) 423-1709

Southwest – Coordinator needed

Door County — Jamie Corbiser

jcorbisi@co.door.wi.us
(920) 746-2214

Greater Sauk County - Jim Welsh

jwelsh@tnc.org
(608) 251-8140

Monroe County — Kim Mello

kim.mello@emh2.mccoy.army.mil
(608) 388-5766

Brown County — Paul Hartman

paul.hartman@ces.uwex.edu
(920) 391-4610

Check Out the Updated IPAW Website

Our Web page has been going through a transformation over the past several months, thanks to volunteer Marsha Vomastic. We have a great new design and expanded information. See what the IPAW website has to offer!

New Directors on the IPAW Board

Nancy Braker, Susan Lehnhardt, Jim Reinartz, Gene Roark, Dan Undersander, Rolf Utegaard, and Donna Van Buecken have been on the IPAW Board of Directors since its inception in 2000. Since that time, the Board has gained several new members, who broaden the professions and interests represented on the Board. Here is an introduction to members of IPAW's Board who have not been introduced in PooP before.

Tom Boos, *Treasurer*, first became involved with invasive plants when he worked for the DNR State Natural Areas crew four years ago. He continues to work with the DNR as a biologist/wetland ecologist and has served on several IPAW committees. He is also working to restore prairie and savanna on his 21-acre property.

Jaime Corbisier is a Door County native now employed by the county's Soil and Water Conservation Department. She has been very active in renewing the outreach components of the Soil and Water Office in an effort to educate private landowners about conservation practices and the importance of biodiversity. Her efforts have included traditional and biocontrol demonstrations, outdoor workshops for identifying local invasives, and presentations at annual meetings.

Lauren A. Ebbecke teaches Biology and Life Sciences at Spencer High School. She graduated from Warren Wilson College with a B.S. in Biology and Environmental Science, earned her Secondary Teacher Certification in Biology and later received an M.S. in Environmental Education from University of Wisconsin – Stevens Point. She has been very involved with environmental education, and worked for a number of years as a naturalist and in administration of Environmental Centers. She maintains a passion for botany and in particular, ferns.

Patrick Goggin currently lives and works in Vilas County. He received a MS in Natural Resources from UW-Stevens Point in 1998 and is now involved in educational and technical assistance to lake associations related to exotics, and in a legislative attempt to secure long-term funding for invasive aquatic species control and prevention efforts.

David Hamel now retired from a career in manufacturing engineering, has been involved with environmental activism since the first Earth Day. He has served as township weed commissioner and is currently interested in the roadside mowing policy in his township. He now lives in Marquette County where he and his wife work to remove invasives from their property, which hosts a resident population of Karner Blue butterflies.

David Spatcher is a sales and development representative for DuPont covering the states of North and South Dakota, Minnesota, Iowa, Wisconsin and Michigan in the vegetation management and forestry markets. He serves a dual function of both sales and research for Dupont, and has been with Dupont 36 years. He works in the areas of brush control, noxious weeds, selective weeding, growth regulators, and total vegetation control in these markets.

Steve Strachota is President of Dairyland Seed Company in West Bend, Wisconsin, which is the only family seed business with research in hybrid alfalfa, corn and soybeans. Steve has served as President of the Independent Professional Seedsman Association, President of the Field Seed Institute of North America, Chairman of the Alfalfa Seed Committee of the American Seed Trade Association (ASTA), and Chairman of ASTA's Farm Seed Division. Steve and his wife, Sharon, have been married for 30 years, and have two adult children. They make their home in Kewaskum, Wisconsin.

The 2002 Invasive and Exotic Species Compendium is now available from the Natural Areas Association on CD-ROM. It features 93 journal articles on invasive and exotic species and references to relevant websites. It costs \$22 for NAA members, \$32 for non-members.

To order send name and address with check or money order to:

Natural Areas Association
P.O. Box 1504
Bend, OR 97709

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 on joining and a membership form, email
Membership@IPAW.org



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is a periodic newsletter distributed to the members of **IPAW**.

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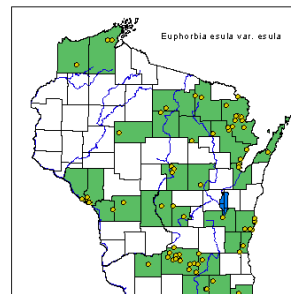
email: jimr@uwm.edu

we energies

Production and distribution of this newsletter made possible through a grant from We Energies

Visit the IPAW website:

www.ipaw.org



Leafy Spurge

Euphorbia esula L. var. *esula*

Source: Wisconsin State Herbarium Website



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