



## IOWA NATIVE PLANT SOCIETY

Volume 12, Issue 3

October 2006

**An Aster By Any Other Name...?: The Dismantling of the Genus *Aster*  
by Deb Lewis (based on information by Dr. George Yatskievych in  
*Steyermark's Flora of Missouri, Volume 2*)**

Fall in Iowa brings forth an abundance of blooming asters in our landscapes in shades of purple, white, blue and pink that contrast with the yellows and golds of the sunflowers and goldenrods. While we've been aware of some controversy over the "correct" scientific name of some of the species, like sneezewort aster (*Solidago/Aster ptarmicoides*), recent molecular work has really brought about major changes! The experts now tell us that we have NO native asters (of the genus *Aster* as currently recognized) in Iowa, rather that all of our aster species now have a new name. Worldwide, what has been considered in the past to be *Aster* has now been split into at least 25 genera.

Of course our already completed floristic checklists for various areas in Iowa, as well as *The Vascular Plants of Iowa: A Checklist and Natural History* by Lawrence J. Eilers and Dean M. Roosa use the name *Aster* for these species – so why should we be concerned about these changes? New publications are likely to pick up these new names, as it appears that these changes are well-founded based on several studies. The Asteraceae (daisy family) treatment for *Flora of North America* will most likely follow these concepts. These changes have already appeared in several recent publications, including the very recently published 2<sup>nd</sup> volume of *Steyermark's Flora of Missouri* by Dr. George Yatskievych. The compilation below is based primarily on this work.

**Name in *Vascular Plants of Iowa***

*Aster azureus* Lindley (sky-blue aster)  
*A. brachyactis* Blake (rayless aster)  
*A. cordifolius* L. (blue wood aster)  
*A. drummondii* Lindley (Drummond's aster)  
  
*A. dumosus* L. (ricebutton aster)  
*A. ericoides* L. (heath aster, frost weed)  
*A. falcatus* Lindley ssp. *commutatus* (T. & G.)  
    A. Gray (white prairie aster)  
*A. furcatus* Burgess (forked aster)  
*A. junciformis* Rydb. (rush aster)  
*A. laevis* L. (smooth blue aster)  
*A. lanceolatus* Willd. (panicked aster)  
*A. lateriflorus* (L.) Britton (side-flowered aster)  
*A. linariifolius* L. (flax-leaved aster)  
*A. macrophyllus* L. (big-leaved aster)  
*A. novae-angliae* L. (New England aster)  
*A. oblongifolius* Nutt. (aromatic aster)  
*A. ontarionis* Wieg. (Ontario aster)  
*A. parviceps* (Burgess) Mack. & Bush  
*A. pilosus* Willd. (hairy aster)  
*A. praeltus* Poir. (willow aster)

**Name in *Steyermark's Flora of Missouri***

*Symphyotrichum oolentangiense* (Riddell) G.L. Nesom  
*Symphyotrichum ciliatum* (Ledeb.) G.L. Nesom  
*Symphyotrichum cordifolium* (L.) G.L. Nesom  
*Symphyotrichum drummondii* (Lindl. ex Hook.)  
    G.L. Nesom ssp. *drummondii*  
*Symphyotrichum dumosum* (L.) G.L. Nesom  
*Symphyotrichum ericoides* (L.) G.L. Nesom  
*Symphyotrichum falcatum* (Lindl.) G.L. Nesom  
    ssp. *commutatum* (Torr. & A. Gray) Semple  
*Eurybia furcata* (E.S. Burgess) G.L. Nesom  
(not in Missouri)<sup>1</sup>  
*Symphyotrichum laeve* (L.) Á. Löve & D. Löve  
*Symphyotrichum lanceolatum* (Willd.) G.L. Nesom  
*Symphyotrichum lateriflorum* (L.) Á. Löve & D. Löve  
*Ionactis linariifolius* (L.) Greene  
*Eurybia macrophylla* (L.) Cass.  
*Symphyotrichum novae-angliae* (L.) G.L. Nesom  
*Symphyotrichum oblongifolium* (Nutt.) G.L. Nesom  
*Symphyotrichum ontarionis* (Wiegand) G.L. Nesom var. *ontarionis*  
*Symphyotrichum parviceps* (Burgess) G.L. Nesom  
*Symphyotrichum pilosum* (Willd.) G.L. Nesom  
*Symphyotrichum praeltum* (Poir.) G.L. Nesom

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## Leaves from the President's Notebook

### Reluctantly Iowan

I'll freely admit it. I really do not consider myself an Iowan. One might conclude that after living in Sioux City for 14 years, I should have made that transition. After all, I've had the same street address for longer than any time since high school and have had an Iowa driver license for longer than any other state in which I lived.

On the other hand, if I'm not an Iowan, I'm not sure what else I am. Although South Dakota and Nebraska are just minutes away, I have yet to ally myself with either. I'm no longer a New Yorker, Michigander, or Virginian.

I did not entirely embrace the concept of leaving Virginia, my home for two years, before taking a teaching position at Briar Cliff College. Nevertheless, desperate times often require measures of similar proportions. In any case, the move was not necessarily permanent and I could learn about prairies while here.

I have since learned much about prairies. Among the primary reasons why I remain include an excellent group of colleagues at Briar Cliff, the relative ease by which one can travel to other parts of the US (by starting in the middle), and the immediate Loess Hills.

As many members of the Iowa Native Plant Society know, the Loess Hills do not fit the Iowa stereotype of vast fields of corn and soybeans with the occasional whiff of pig farm. Here, especially among within the region's topographic irregularity, are some of the largest prairie tracts remaining in the state, thus allowing a field botanist abundant opportunities to locate the rare, the beautiful, and the botanically interesting.

Of course, Iowa's rare, beautiful, and botanically interesting flora are not confined to the Loess Hills. INPS members living elsewhere in the state will readily name their favorite sites be they woodlands, wetlands, or prairie. Such sites are worth protecting, maintaining, and enjoying. Ironically, what remains of their presettlement character allows us to glimpse what, was once typical.

I am fortunate to live in atypical Iowa. Therefore, if compelled by mailing address, driver license, or even tax return to identify myself, I'll readily accept being an atypical Iowan.

*Brian T. Hazlett*

# INPS UPDATE AND HAPPENINGS

## INPS LOGO RETIRES - MEMBERS TO ASSIST FINDING REPLACEMENT



After serving for nearly ten years, the INPS logo is retiring. Rumors of its departure began to circulate during the summer. Intentions became official just as the newsletter was ready to be printed. The INPS board responded by retaining the current logo until a replacement can be found.

Ideally, the new logo should be attractive, easily scaled down when appearing on letterhead, and versatile both in color and in black and white formats. **Iowa Native Plant Society members are urged to assist the search committee in characterizing the new logo.** One need NOT be an artist to contribute. Ideas (or sketches) can be sent to Dianne Blankenship, 737 Buckwalter Drive, Sioux City, IA 51108-9506, 712-255-3447, bennaid@hotmail.com Members whose ideas substantially lead to the discovery a new logo will be rewarded with a year's membership to the INPS and a T-shirt featuring the new logo.

## GRANTS APPLICATIONS BEING REVIEWED

The INPS board is now reviewing grants received for funding in 2007, and will notify recipients in December.

## DUES REMINDER AND NEW DIRECTORY TO BE PUBLISHED

Initial steps are being taken to update and publish a new INPS membership directory. The last directory was published in 2003.

**Pay your dues now** to ensure your are included in the new directory.

### NOTICE - Important Change :

INPS Newsletter to be offered electronically. When renewing your membership please check on the renewal application how you would like to receive the INPS Newsletter. Starting in 2007 members will be offered the choice of receiving the Newsletter electronically – as a .pdf attachment through a notice sent on the INPS List serve or by US post. (Newsletter will also be available on the website.)

### Why the change?

Many members have been asking about saving money by making the newsletter available through email instead of mailing. Presently over three hundred fifty newsletters are printed and mailed to members and various conservation offices. Costs of printing and mailing have increased. Time is also a large factor as each newsletter is folded, labeled and secured for mailing.

An Aster - continued from page 1

*A. prenanthoides* Muhl. ex Willd. (crooked stem aster)  
*A. pubentior* Cronq. (flat-topped white aster)  
*A. puniceus* L. (swamp aster)  
*A. sagittifolius* Willd. (arrow-leaved aster)  
*A. schreberi* Nees (Schreber's aster)  
*A. sericeus* Vent. (silky aster)  
*A. shortii* Lindley  
*A. turbinellus* Lindley  
*A. umbellatus* Miller (flat-topped aster, white aster)  
 Nees

(not in Missouri)<sup>2</sup>  
*Doellingeria umbellata* (Mill.) Nees var. *pubens* (A. Gray) Britton  
*Symphyotrichum puniceum* (L.) Á. Löve & D. Löve  
*Symphyotrichum urophyllum* (Lindl. ex D.C.) G.L. Nesom  
 (not in Missouri)<sup>3</sup>  
*Symphyotrichum sericeum* (Vent.) G.L. Nesom  
 (not in Missouri)<sup>4</sup>  
*Symphyotrichum turbinellum* (Lindl. ex Hook.) G.L. Nesom  
*Doellingeria umbellata* (Mill.)

<sup>1</sup> *Aster junciformis* is now called *Symphyotrichum boreale* (Torr. & Gray) Á. Löve & D. Löve according to the USDA Plants online database

<sup>2</sup> *Aster prenanthoides* is now called *Symphyotrichum prenanthoides* (Muhl. ex Willd.) G.L. Nesom according to the USDA Plants online database

<sup>3</sup> *Aster schreberi* is now called *Eurybia schreberi* (Nees) Nees according to the USDA Plants online database

<sup>4</sup> *Aster shortii* is now called *Symphyotrichum shortii* (Lindl.) G.L. Nesom according to the USDA Plants online database



**Iowa Native Plant Society**  
**Annual Meeting Minutes -May 20, 2006**  
 Quad Cities Botanical Center

The meeting was called to order at 5:00 p.m. by Connie Mutel, VP. There were 9 in attendance (Connie Mutel, Pam White, Lloyd Crim, Martha Skillman, Bob Bryant, Joyce Hornstein, Bill Watson, Diane Blankenship, Bill Blankenship.)

Last year's annual meeting minutes from the June 11, 2005 meeting held at Clear Lake were approved—Bill B. moved and Lloyd 2<sup>nd</sup>, MCU.

Connie commented that the INPS accomplishes as much as possible, but there is much to do; more people need to be involved and she encouraged each of us to try something new this year to help this organization be more successful.

**FINANCIAL MATTERS:** The treasurer was not present, but Connie provided some general account information. There is an approximate total of \$10,400 in the checking and savings accounts. In the last year, approximately \$1000 was deposited. Expenses include approximately \$1800 owed for past INPS newsletters (since July 04 – approximately \$400 each edition). In 2005, 2 grants were funded (see recent INPS newsletter for summary). And in 2006, our grant program awarded \$500 to Lars Brudvig for savanna research, and \$1,020 to Glenn Pollock for the Vincent Bluffs (in Council Bluffs) restoration project; also, \$200 was spent on today's meeting.

Christine Taliga of Williamsburg has been both secretary and treasurer this year. She suggested putting some of INPS's funds into a one-year CD. The group suggested that \$5000 should be so invested. There was discussion about whether INPS needs to file annual forms to renew its 501 c3 status. We will check with Chris about this.

Christine Taliga, who has been serving as secretary and treasurer both, has had some reservations about performing treasurer duties at her RC&D office. It would help if INPS would award her office a small stipend to formalize the office's efforts. Martha Skillman made a motion to pay the RC&D \$200 annually to perform treasurer's duties. Having the RC&D involved would lend consistency and continuity to this organizational function. A friendly amendment was added – "...until someone else is willing to do it." MCU.

**OTHER OFFICERS:** Our new president (for a 2-year term) is Brian Hazlett of Briar Cliff University, Sioux City. Brian, like the previous few presidents, have been new to the INPS board and thus been handicapped in transitioning into this leadership role. Thus it was suggested that the vice president always feed into the president's position. This vice president – president overlap will provide training and continuity to INPS's leaders, and to the organization. Current vice- president continues to be Connie Mutel.

**INPS GRANTS:** The INPS grant program is described on our web site. We have awarded 2 grants for 2006. Discussion focused on whether we should once again give grants that add up to a total of \$2000 for the coming year. We were agreeable that this is okay for 2007. All should encourage applicants for the coming year.

**NEWSLETTERS:** INPS could save money by posting newsletters on the Web site or by sending them out as an e-mail attachment. (Members who don't use email could continue to receive paper copies.) Each newsletter costs about \$300-400 to print. We decided that we need a report from Deb Lewis and Sandy Gossman about how many individuals, what organizations, and what agencies receive newsletters now. We also need to know the costs of each newsletter publication. Then we can decide if paper copies are worth the expense. Connie will ask Deb and Sandy for such a summary report.

Deb Lewis is always eager to receive articles and information for newsletters.

**INPS DIRECTORY:** Do we need a new directory? Roseanne Healy did one before (2003) and she may be willing to update it again. Bill B. moved to ask her again and Diane B. 2<sup>nd</sup>, MCU.

**MEMBERSHIP ROSTER:** We agreed to continue the policy we have used to date, which is to refrain from sharing our membership list with others. (We've had a request from a plant lover about getting a listing of INPS members; we will encourage her to make direct contacts by attending INPS and IPN meetings instead.)

**PUBLICITY ABOUT INPS:** We need more publicity. The INPS brochure needs updating, but it works. Deb has extra copies. There are 2 INPS displays—Deb or Larissa Mottl has one; Connie has the other. These should be taken to events whenever possible. We should encourage young folks to attend events. Bill Watson showed us an INPS t-shirt and other meeting attendees had not seen it before. Bill B. and Dianne B. will look into printing more t-shirts, but they need to locate the original design. Possibly new members at the \$25 level could receive a t-shirt when they join.

Colorful posters could also be developed as publicity and educational aids. Linda Scarth agreed to develop several small page-sized (8.5 by 11 inch) posters, that can be easily printed out and posted. Carl Kurtz would be willing to make large posters that include multiple flower photographs. How would this be used, and should we ask him to proceed? Connie will pursue.

**INPS WEB SITE:** looks good!

**INPS 2007 MEETING / FUTURE WORKSHOP:** Dianne suggested that it be held in conjunction with the Iowa Prairie Conference, which will be in the Loess Hills in July or August, 2007.

Lloyd Crim will contact Don Farrar about teaching the fern workshop that he'd thought of teaching in past years. Also, Bob Bryant is working on a publication about Iowa's ferns, with distribution maps, that will soon be available electronically. Bob would like to teach the workshop with Don. Lloyd and Don will pursue.

**THANKS MARK!** We all expressed many thanks to Mark Leoschke for continuing to organize excellent field trips! Meeting was adjourned at 6:00 pm. Minutes recorded by Joyce Hornstein, Huxley, IA.

## IPN—CENTRAL IOWA CHAPTER WINTER MEETING COMING IN JANUARY

The very popular winter meeting and silent auction will be held at the Des Moines Area Community College in Ankeny on January 27, 2007, starting at 12:30. The meeting, sponsored by the Iowa Prairie Network, Central Iowa region, will cover topics of interest to all prairie enthusiasts. Tentatively, sessions may cover aspects of grazing as a management tool on prairies, identification of common prairie moths and butterflies, and an introduction to Iowa's grasses and the Grasses of Iowa website. Money raised in a silent auction at the meeting will benefit a land-acquisition project. Everyone is invited, and there is no cost to attend. More details will be forthcoming, but mark your calendar for 1/27!

## 2007 Iowa Prairie Conference

Start making plans for next summer!

The 2007 Iowa Prairie Conference will be held in western Iowa's Loess Hills hosted by Briar Cliff University in Sioux City. The conference will be sponsored by the Loess Hills Alliance on the evening of July 13 and all-day on July 14 with possible post-conference field trips on July 15. Please try not to schedule other prairie-related activities on that weekend.

If you also plan to attend the annual Loess Hills Prairie Seminar (June 1-3, 2007), the Iowa Prairie Conference will allow you to see many of the same species but there will be quite a few new ones, too. Certainly different species will be in bloom in July. You will enrich your knowledge and perspective of the Loess Hills when you are exposed to the large expanses of prairie in the northern Loess Hills.

**Broken Kettle Grasslands** is just north of Sioux City with over 7,000 acres under ownership by The Nature Conservancy or in conservation easements, or owned by the Plymouth County Conservation Board, Iowa Department of Natural Resources, or Girl Scouts. Bison are scheduled for release on part of Broken Kettle later in 2007 or possibly in 2008.

**Stone State Park** has the Talbot State Preserve and a new addition to the south of the park that the Iowa Natural Heritage Foundation helped secure. Most of Stone State Park is in Sioux City with only a small portion spilling over into Plymouth County.

**Sioux City Prairie** with 150 acres is owned by The Nature Conservancy. It is located immediately adjacent to Briar Cliff in Sioux City. Management of this prairie began in the early 1980s.

**Riverside Bluffs** is owned by the Woodbury County Conservation Board and was purchased with a Resource Enhancement and Protection (REAP) grant in the early 1990s. Its 135 acres are located in the western part of Sioux City.

**Dorothy Pecaut Nature Center** is the home of the Woodbury County Conservation Board and is located in Stone State Park. It has great interpretive and interactive displays about the Loess Hills.

For those interested in prairie management and opportunities of help for private landowners, there will likely be a field trip to show the extensive work with landowners in the Loess Hills near Sioux City.

Bill Whitney of Prairie Plains Resource Institute in Aurora, Nebraska, has generously offered to meet interested people on Sunday morning at the Olson Nature Preserve located in northeast Nebraska at the furthest east extension of the Sandhills. For people interested in coming all the way west in Iowa to Sioux City, this post-conference field trip will allow you a rare opportunity to see vegetation typically seen much further west in Nebraska.

Air-conditioned dorm rooms at Briar Cliff University will be available, as well as a block of rooms at a local hotel in Sioux City.

Please contact any of the people below with your ideas about the conference.

(Dianne Blankenship) [bennaid@hotmail.com](mailto:bennaid@hotmail.com)

[Brian.Hazlett@briarcliff.edu](mailto:Brian.Hazlett@briarcliff.edu)

[katherine.koskovich@dnr.state.ia.us](mailto:katherine.koskovich@dnr.state.ia.us)

## NEW Prairie Seedling Guide Available in Fall 2006

The Prairie Seedling & Seeding Evaluation Guide is available in Fall 2006. This easy to read pocket-size guide is intended for use by a wide range of people, including restorationists, plant enthusiasts, conservationists, construction inspectors and others. It is a 130-page, spiral-bound guide full of color photos and illustrations by Mark Muller. The guide was written by Paul Bockenstedt and is the result of collaboration between Iowa DOT, Pheasants Forever, IA DNR, and Bonestroo Natural Resources, as well as several other State agency and nonprofit partners in the upper Midwest.

Iowa residents can contact Steve Holland of the IA DOT Living Roadway Trust Fund for a copy. Non-Iowa residents can order copies by contacting Paul Bockenstedt at 651-604-4812 or [pbockenstedt@bonestroo.com](mailto:pbockenstedt@bonestroo.com) starting in November 2006.

## MEET INPS PRESIDENT FOR 2006-2008

**Brian T. Hazlett** grew up in, Waterloo, NY, a village at the northern edge of the Finger Lakes region. He earned a BS in Biology from Houghton College before heading to Michigan for yet two more degrees (MS in Botany from Michigan State, and a Ph.D. in Botany from the University of Michigan). He presently serves as Professor of Biology and Director of the Environmental Science program at Briar Cliff University, where he's been since 1992. Previously, he taught for two years at Randolph-Macon Woman's College, Lynchburg, VA.

Traveling ranks among his favorite activities. He has led students on extended field trips to the Black Hills, Big Bend National Park, the Rio Grande Valley of south Texas, the Arkansas Ozarks, and Kansas Flint Hills. Among his professional goals is becoming familiar with the biomes of North America, so summers reliably include long camping trips to explore new areas. During this past summer he and his wife, Yvonne (a multi-talented musician whose primary interests include organ, clarinet, recorder, and bagpipes), headed east to Acadia National Park and New Hampshire's Presidential Range.

Brian's current research interests center around the botanical aspects of the Lewis and Clark expedition. He has assembled a herbarium of Lewis and Clark plants for the Sioux City Lewis and Clark Interpretive Center, and chaired the planning committee that created the Center's Garden of Discovery, a wildflower garden featuring both Lewis and Clark plants and local prairie species.

His local floristic projects include inventories of the Sioux City Prairie, Broken Kettle Grasslands, Stone State Park, and South Dakota's Adams Homestead and Nature Preserve. He has presented papers at the 2000 and 2006 North American Prairie Conferences, and is a regular facilitator at the Loess Hills Prairie Seminar.

### **Letter to the editor:** (The following letter was taken from an email on the INPS Internet List printed by permission)

As I read the postings about illegal ATV damage, I began to wonder why we are so ineffective in conveying our outrage and distress to our Legislators. Then I realized that we haven't been. My Legislators have heard from me repeatedly. I can only assume that they think me irrational, a prairie fairy, or they are playing to the enormous money involved in the sale of ATV's and pandering to our fellow Iowans seem to have little or no respect for the natural world.

I keep overestimating our electorate. When you work in natural resources the hardest lesson to learn is that so many just don't care.

The thread that began this topic, land and resource damage by unthinking "motorsport" enthusiasts, has its genesis in the belief among many of us that there are important values associated with natural areas. Values more important than the instant gratification of the adolescent thrills associated with speed and destruction.

Writers have identified several avenues we can use to address the problem. Increased enforcement, higher fines, judges sympathetic to the damage this "fun" causes, and Legislators willing to care about all Iowans are all good starting points.

Those of you who are good terms with your Legislators and those who are not, need to make them aware of how unhappy you are that they are refusing to address the problem. The business of selling expensive toys which have no few legal places to ride, is indeed big business. Those business interests do and will continue to exert their influence to keep fines low and enforcement to a minimum. The same dealers must be running out of places to sell jet skis, monster trucks, and other toys because they certainly have and exert undue influence in deciding how to enforce environmental rules. They, as well as the illegal riders, have a markedly disproportional voice in many discussions of the problem. We need to make sure our voices are heard above theirs.

Legal riding by respectful adults and their families does not impact natural resources on most areas we are concerned about. Illegal riding does, however, limit their opportunities and badly tarnish their image. If we are less judgmental about their "sport," it is likely that we can find allies that will assist us in the more important battle.

The most important thing we as individuals can do is to insist, in a reasonable voice, that our legislators and law enforcement agencies vigorously enforce existing laws and enact "reasonable" new legislation, legislation that would reflect the seriousness of the offense. The DNR proposed increased penalties for ATV violations during the last session including a repeat offender rule. Only the least progressive parts passed. Penalties are not taxes as some in our environmentally challenged Legislature have claimed. They are fines for illegal, antisocial behavior. We need those increased penalties to dissuade the dim bulbs among us that in just isn't "fun" anymore. They will not stop because it is the right thing to do.

If ATV riders were commonly ripping up golf courses, the crying would be would be audible across miles of cornfields.

We must hold those who commit and support ecological vandalism accountable, be it motorized "wreckreation" or oceans of hog manure flowing down our rivers.

*Anything less will not work.*

Loren Lown, email - llown@aol.com



## Collecting Seed from Remnant Prairies

Appreciate any help collecting seed from remnant prairies of the following species, state-wide. Tips on how to collect and a collection label available at: <http://www.iowaecotypeproject.org/>

Current Species to Collect this fall (2006) *Elymus virginicus*, VA wildrye; *Ceanothus americana*, NJ Tea; *Astragalus canadensis*, Canada milkvetch; *Aster laevis*, Smooth blue aster; *Parthenium integrifolium*, Wild quinine; *Baptisia lactea*, Cream indigo; *Dalea candida*, White prairie clover; *Rudbeckia subtomentosa*, Sweet coneflower; *Solidago speciosa*, Showy goldenrod; Tall coreopsis, *Coreopsis tripteris*; Upland wild timothy, *Muhlenbergia racemosa*.

### NEW WETLAND SPECIES

Common Boneset, *Eupatorium perfoliatum*; Spotted Joe Pye Weed, *Eupatorium maculatum*; Swamp milkweed, *Asclepias incarnata*; Woolgrass, *Scirpus cyperinus*; Dark green bulrush, *Scirpus atrovirens*; Woundwort, *Stachys palustris*.

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## IN MEMORIAM

### Richard A. Golz, Cedar Falls

Richard "Dick" Golz, of Cedar Falls, died August 18, at age 65, of a heart attack. Among his circle of close friends, he seemed almost a reincarnation of the "natural philosophers" of the Enlightenment of the 18<sup>th</sup> and early 19<sup>th</sup> Centuries: a gifted teacher by profession, he was a passionate botanist, ornithologist, geologist, and ecologist by avocation. An avowed rationalist and secular humanist, he yet revered many places in the natural world as sacred, and he declared that the preservation and restoration of nature was humanity's only rational hope for long-term survival.

Golz received his BS degree from UNI in 1964, and began teaching. In 1967 and 68 he completed Masters degrees in Botany and Geology from Oregon State University, and he returned to Iowa to teach. He was twice voted Science Teacher of the Year by the Iowa Teachers of Science, and he was honored as an Iowa Master Teacher.

In classroom and laboratory, Golz set high standards for his students to strive for, and he gave generously of his time and knowledge to anyone who had a genuine desire to learn. Shortly before he retired in 1995, he could count some 30 of his former students in the ranks of teachers and researchers in science.

Dick Golz also invested heavily in continuing self-education. He acquired a specialized library of books about flora, birds, geology, and ecology, plus sets of topographic and geologic maps, as well as extensive personal photographic records of native plants, birds, animals, and landforms. In good Age of Enlightenment tradition, these collections have been variously donated to UNI, Iowa State, DNR, the Iowa Ornithologists Union, INPS, Audubon, Sierra Club, and others.

Dick Golz was a charter member of INPS, a Life Member of Sierra and Audubon, a co-founder of the Cedar Prairie Group of Sierra Club, and a major donor to the Nature Conservancy and the American Humanists Association: through each of these affiliations, he helped effect change. ("Or if not that," he said, "at least we're helping hold off the collapse of the Biosphere.") But a more vivid, immediate legacy is that which he fashioned as a teacher, scientist, mentor, and friend.

### Anna B. Gardner, Pilot Mound

Anna Gardner, 48, died Tuesday, September 5, 2006 at Hospice Kavanaugh House in Des Moines. Anna was born August 18, 1958, the daughter of Dr. J H and Mary Gardner in Eugene, Oregon. She moved to Iowa 40 years ago and with her husband David Marlow, lived the last 22 years in the Pilot Mound area.

Anna worked part time at Iowa State University helping students with their electronic portfolios in the Horticulture Department and the Food Science Department. Anna was a free-lance botanical and medical illustrator and designed web pages. She also was an artist who exhibited at the Smithsonian Craft Show in Washington, DC, a musician and an avid organic gardener. Anna was a full time mother to her son Gavin and the pillar of her family.

In lieu of flowers memorial contributions may be made to Planned Parenthood of Iowa, the Iowa Native Plant Society or Hospice of Central Iowa.

In recent years, Anna has been the webmaster for the Iowa Native Plant Society website. She and Lynn Clark also teamed up to create the "Grasses of Iowa" website, which was Anna's Master's degree project here at ISU.

A memorial service/celebration of life will be held on October 22<sup>nd</sup> at the Boone YMCA Camp at 3:30 p.m. There will be a potluck dinner and music for all who wish to stay after the more formal time of remembrance and sharing; if you plan to stay for the dinner, please bring a dish to share (appetizer, bread, salad, side dish, or dessert; main dishes are being provided).

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