

# Missouri Native Plant Society

## July

- 6 Sat., 9:00 AM Clinton **Field Trip** led by Carrol Eaglesfield. Place to be decided. Meet at the Clinton Courthouse parking lot. There will be a field trip every Saturday through the summer.  
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- 8 Mon., 8:00 AM Columbia **Tentatively, Doug Ledoux** will present a program on insects and prairies. Monthly meeting held at the Midwest Science Center, 4200 New Haven Road.  
.....
- 12 Fri, 5:30 PM Kansas City **Field Trip to Hidden Valley Park** in north K. C. This is our Friday after work place to explore and watch through the seasons. It has old field, forest and some creek habitat. For directions call Ed O'Donnell (816) 531-4692.  
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- 13 Sat., 10:00 AM Jefferson City **Nature Walk** led by MONPS members at Runge Conservation Nature Center.  
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- 13 Sat., 9:00 AM St. Louis **Field Trip to Iron Mountain and Bismark Lakes** to search for the purple fringeless orchid. Led by Pat Grace. Meet near Dobbs Tire Center, South County Mall.  
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- 15 Mon., 7:00 PM Clinton **Meeting with Program** presented by Carrol Eaglesfield. Clinton Courthouse  
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- 17 Wed., 7:00 PM Kansas City **Facilities at Burr Oak Woods** program presented by a representative from the Missouri Department of Conservation. Monthly meeting held at Loose Park Garden Center.  
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- 20 Sat., 9:00 AM Kansas City **Field Trip to Taberville Prairie.** Meet at Hypermart parking lot near Bannister Mall to car pool. Take Hwy 71 south to Rich Hill, go east on Hwy B past Rockville. Watch for signs. Bring water and lunch. For more info call Ed O'Donnell (816) 531-4692.  
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- 24 Wed., 7:30 PM St. Louis **Shaw Arboretum's Newly Created Wetlands** program presented by James Trager. Monthly meeting held at Missouri Botanical Gardens, Ridgway Center.  
.....
- 27 Sat., 9:00 AM St. Louis **Field Trip to Wegner Woods** led by Patrick Wooley and Mary Smidt. This is an old-growth white oak woods on the Missouri River bluffs. Meet at West Co. Shopping Center near J. C. Penney's south entrance.

## August

- 3 Sat., 9:00 AM Clinton **Field Trip** led by Carrol Eaglesfield. Place to be decided. Meet at the Clinton Courthouse parking lot. There will be a field trip every Saturday through the summer.  
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- 5**            **DUE DATE FOR MATERIAL FOR SEPTEMBER–OCTOBER PETAL PUSHER.** Please send meeting and field trip information and articles (typed double-spaced) to the editor by this date. If article has been word processed on a Macintosh, send copy on disk to Pat Harris. Disk will be returned. Or send by e-mail (see back page).
- .....
- 10**            Sat., 10:00 AM            **Nature Walk** led by MONPS members at Runge Conservation Nature Center.  
Jefferson City
- .....
- 12**            Mon., 7:00 PM            **Additions to the *Flora of Missouri: Where Are They Coming From?*** program presented by George Yatskievych. Monthly meeting held at the Midwest Science Center.
- .....
- 21**            Wed., 7:00 PM            **Monthly Meeting.** Program to be announced. Held at the Loose Park Garden Center.  
Kansas City
- .....
- 27**            Wed., 7:30 PM            **Additions to the *Flora of Missouri: Where Are They Coming From?*** program presented by George Yatskievych. Monthly meeting at Mo. Botanical Garden, Ridgway Bldg.  
St. Louis
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## MONPS Field Trips

APRIL 27, 1996

by Stephen Timme

On Friday evening, MONPS members were challenged to a wildflower identification slide presentation by Stephen Timme. The group did well overall, but there were a few surprises that stumped most.

On Saturday, some 30 people met at the Lodge parking lot at Montauk State Park for a morning of plant observations. The walk was led by park naturalist Marian Goodding. Our first trip was through typical Ozark woodlands. Here the group observed rue anemone (*Anemonella thalictroides*), pussytoes (*Antennaria parlinii*), Jack [and Jill]-in-the-pulpit (*Arisaema triphyllum*), wild ginger (*Asarum canadense*), pawpaw (*Asimia triloba*), eastern redbud (*Cercis canadensis*), spring beauty (*Claytonia virginica*), flowering dogwood (*Cornus florida*), Robin's plantain (*Erigeron pulchellus*), wood spurge (*Euphorbia commutata*), wild geranium (*Geranium maculatum*), spring avens (*Geum vernum*), rose verbena (*Glandularia canadensis*), green violet (*Hybanthus concolor*), golden seal (*Hydrastis canadensis*), orange puccoon (*Lithospermum canescens*), wood rush (*Luzula bulbosa*), false garlic (*Nothoscordum bivalve*), violet wood sorrel (*Oxalis violacea*), wild sweet william (*Phlox divaricata*), may apple (*Podophyllum peltatum*), common cinquefoil (*Potentilla simplex*), hispid buttercup (*Ranunculus hispidus*), rock or hairy crowfoot (*R. micranthus*), Missouri gooseberry (*Ribes missouriense*), fire pink (*Silene virginica*), American bladder-nut (*Staphylea trifolium*), wild crocus (*Tradescantia longipes*), wake robin (*Trillium sessile*), large bellwort (*Uvularia grandiflora*), wood vetch (*Vicia caroliniana*), yellow violet (*Viola pubescens*), common blue violet (*V. sororia*), pale violet (*V. striata*), and cleft violet (*V. triloba*). Numerous other species not in flower were also observed.

After lunch, Marian took us to a ravine and very steep glade-like area in the park. Here members observed many of

the species seen in the morning and also the following: ground plum (*Astragalus crassicaarpus*), river birch (*Betula nigra*), shooting star (*Dodecatheon meadia*), jacob's ladder (*Polemonium reptans*), buckthorn (*Rhamnus lanceolata*), squaw-weed (*Senecio obovatus*), and blue-eyed grass (*Sisyrinchium sp.*). Several other species not in flower were also recognized.

The evening meal at Tower Inn was excellent and was followed by a well organized and efficiently run business meeting.

Note: Thanks are extended to Pat Harris for providing the list of plants.

## 1996 MONPS & INPS JOINT MEETING HAPPENINGS

The Missouri Native Plant Society and the Illinois Native Plant Society gathered at Cape Girardeau for their 1st joint meeting on 31 May, 1 & 2 June 1996. For starters 45 attended an illustrated orientation and introduction to southwestern Illinois natural history features presented by John Schwegman, Illinois State Botanist.

Saturday field trip options to Illinois areas of special botanical interest included two in the morning and two in the afternoon. Leaders were Eric Ulaszek, John Schwegman, Ray Smith and Mark Basinger respectively. All trips were well attended. Big river floods modified one trip and rain cut short the trip to Horseshoe Lake Nature Preserve.

Saturday evening 56 members attended the hearty joint banquet at the Port Cape Girardeau Restaurant & Lounge overlooking the wide and slightly swollen Mississippi River.

Two Sunday morning field trips in Missouri were led by Doug Newman and Bill Eddleman to areas of botanical interest.

We wish to express our appreciation to the officers and members who dedicated their time and effort to make the weekend a most enjoyable success for members on both sides of the River.



# Plant Regulations for Conservation Department Lands

by Tim Smith

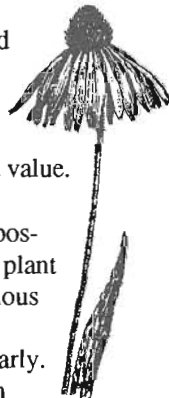
The Missouri Wildlife Code contains general prohibitions against collecting plants, digging, and removal of vegetation from lands owned or managed by the Missouri Department of Conservation. These activities are permitted only as specifically authorized in the Code. For most Department lands, the Code allows the collection of nuts, berries, fruits, edible wild greens and mushrooms for personal consumption. There are a few areas where even collection of these items for personal consumption is prohibited, such as on the grounds of Conservation Nature Centers. These areas have more strict regulations due to the large number of persons who use their trails. If mushrooms could be collected along heavily used trails, most visitors would never be fortunate enough to see a morel at trailside.

Collection of plants from Department lands is allowed for scientific research purposes by special permit. Permits are issued by the Natural History Division Chief. Each permit request is evaluated by Division biologists who consider the merits of the research and determine whether the resource can support the requested level of collection. If the permit is granted, appropriate Department land managers and Conservation Agents are made aware of the details of the permit. Permits are valid for one calendar year, but they may be renewed annually for longer projects. Researchers are required to carry the permit while collecting and to coordinate with area managers. In an average year, approximately one dozen research permits for plant collecting may be issued statewide. Most permits are for university graduate student research projects. The Department does not regulate plant collecting on private lands, unless endangered species of plants are involved.

Illegal collecting of plants or roots has occurred on a number of Missouri's public properties, including Conservation Department lands. Persons stealing plants from public lands are generally digging roots of species with high market value. These include ginseng, golden seal, bloodroot, pale purple coneflower, and yellow coneflower. It is impossible to adequately guard all public properties from plant thieves; but the public can help by reporting suspicious activities. MONPS members might be particularly helpful, because many of us visit public areas regularly. If you observe persons carrying plants or roots from public properties, you should contact the managing agency as soon as possible. Even reports of evidence of recent digging on glades or in mesic forested areas would help land managers identify areas where illegal activity may be occurring.

The following information would be helpful in enforcing plant theft laws:

- The time and date of the observation.
- The name of the public area and the precise location (such as a mark on the area map).



- A description of any person(s) observed who may have been involved in plant theft.
- A description of any vehicle involved, including license plate number.

No confrontation of persons suspected of illegally taking plants is recommended. **Do not put yourself in an uncomfortable position;** just gather what information you can and pass it along to the appropriate authorities. For Conservation Department areas, any possible Code violation may be reported to the Operation Game Thief toll-free hotline number: 1-800-392-1111. This number may be called 24 hours-a-day. By being observant and passing along reports of suspicious activity, you can help protect plants on public lands for the enjoyment of all.

## Puzzle Pieces

by Marlene T. Miller

How many of you enjoy putting together jigsaw puzzles? I used to enjoy working on them in the winter. The children and I had a puzzle board upon which we placed all the pieces and upon which we put together the puzzle. We could pick it up and move it from room to room as needed. It made good quiet entertainment after sledding on a "school closed" day.

I was thinking as I drove home from our last Osage Plains monthly meeting, that our environment is like a giant jigsaw puzzle. The state of Missouri, which we call home, has millions of pieces. As with all puzzles, it is not complete when pieces are missing or lost forever. We have no idea how many native plant species there are in Missouri, but we certainly know that some are already missing and others are being lost.

As we go on our "hikes" this year and do our cataloguing, I wonder how many of us will be fortunate enough to discover new puzzle pieces or rediscover missing ones? How many of us are mentoring younger generations and teaching them about the importance of the many different pieces of our Missouri jigsaw puzzle so that they will protect them for the next generation? And the next? And the next?

I wish you a great year of discovery. Be sure to share your discoveries with others and we will all be blessed by them.

## Where's the Beard on a Goat's Beard (*Tragopogon*)?

J. M. Sullivan

These plants are noted for their gigantic balls of dandelion-style seeds. But as fuzzy as these are, they do not suggest a beard, at least not the slender beard of a goat.

So we look instead at the outline of the leaves. They are slender and tapered and even somewhat curly, like a goatee. Can't you just see the country children holding the leaves to their chins and acting like a bunch of "kids"?

## Quarterly Board Meeting Highlights

APRIL 27, 1996

President Larry Morrison and 13 board members, and 7 guests met at the Tower Inn, in Salem Missouri.

Treasurer Jack Harris reported a balance of \$10,430.50. The cash flow is barely better than even between membership renewal income and the printing costs of *Petal Pusher* and *Missouriensis*. The policy of when to drop a delinquent member from our rolls was discussed. It was moved, seconded and carried (MSC) to adopt the following: "A delinquent member will be dropped if payment has not been received by April 30, with a final postcard after that date reminding them that they have not paid."

### Committee Reports

**Missouriensis:** George Yatskievych reported there have been few submissions for the next issue. In order to remedy this situation, the format has been expanded to cover a wider range of issues, such as general botany, native plant gardening, botanists, and historical articles. George encouraged everyone to submit articles for consideration.

**Environment/Education:** Jack Harris reported that Union Electric (UE) is planning to build additional transmission line capacity in Ste. Genevieve County. One option for this development is to expand the existing rights-of-way through a state designated natural area, Hickory Canyons. It was MSC that Jim Bogler will send a letter to UE objecting to commercial development through and in an existing natural area.

The E & E Committee solicited a general guideline policy for responding to the wide range of issues that comes before it each year. It was (MSC) to adopt the following: a.) MONPS should be active on matters and issues related strictly to botany. b.) Policy or position statements that cannot be reviewed by the entire BoD at a regularly scheduled meeting, because of comment due date requirements, should be agreed upon by at least two members of the BoD in addition to the MONPS member proposing the statement. c.) Issues and subject areas beyond those noted above should be brought to the attention of the BoD at a regularly scheduled meeting whenever possible.

**Membership:** Pat Grace reported 19 inquiries for membership information since February 1996. We have a new life member: Linda Virga, St. Louis Chapter.

**Publicity:** Morrison thanked Nels Holmberg for the effective news announcements in the regional newspapers in Rolla and Salem regarding the April quarterly meeting. This info was also used on the local National Public Radio station.

### Old Business

**Awards:** Karen Haller reported that nominations had been received for the Education and Plant Stewardship awards. She asked the Board's approval to entrust the selections with the Awards Committee and hold the names secret until the presentations at the annual meeting. MSC

**By-Laws Review:** Morrison thanked Sue Hollis for all her work in the review. The amended by-laws were published

in the Jan.-Feb. issue of *Petal Pusher*.

Morrison thanked Tim Smith and Jack Harris for reviewing and commenting on the Federal Native Plant Conservation Committee's Plant Policy on behalf of MONPS.

**Membership Brochures:** 1,000 have been ordered.

### New Business

**Teaming with Wildlife:** Tim Smith described the proposal to charge a modest tax for outdoor equipment (such as binoculars, cameras, film, etc.). Revenue would go to a non-game/wildlife diversity fund. It was MSC that MONPS write a letter in support of this initiative. MONPS will become a coalition member.

**Regional Sources of Native Plants List:** Tim Smith proposed that MONPS assume responsibility of publishing, approving, and updating the list of regional nurseries selling native plants. MSC Tim will help prepare the first list.

**Highway 50 Improvements:** Nels Holmberg asked for MONPS comments to the Missouri state highway proposal for widening Hwy 50. Daniel Rice said the same activity is going on in western Missouri also. Members agreed that MONPS would provide input to such efforts where appropriate.

**Solomon Hollow Glade:** Jim Bogler reported that on behalf of MONPS he had written to the U.S. Forest Service district in Houston, MO, regarding proposed timber management practices for a sandstone glade that is currently being considered for designation as a state natural area.

**MONPS Logo Policy:** MONPS has received inquiries regarding the relationship of MONPS, certain commercial enterprises, and the possible display of the MONPS logo. After extensive discussion, the BoD arrived at the following consensus: a.) The MONPS logo and name may not be used or displayed by any commercial/business entity in such a way that implies or appears to convey that MONPS has endorsed or is otherwise beneficially involved with such enterprise. b.) The MONPS is honored by the association of commercial/professional/business entities who become members and support the mission of the Society. c.) The commercial/professional/business entities may describe their membership in the MONPS to the same degree that any other member in good standing has the right to do.



## New Board Members for 1996-1999

Since no additional nominees were received, the slate selected by the nominating committee and published in the March-April *Petal Pusher* will stand for 1996-1999. The newly elected board members are: Pam Haverland and Dr. Robin Kennedy. Congratulations!

## Annual Meeting & Awards

The Annual Meeting was held on June 1, 1996 at the Port Cape Girardeau Restaurant in Cape Girardeau, MO.

President Larry Morrison called the meeting to order and thanked everyone for their help this last year.

The treasury balance as of 30 May 1996 was \$11,046.20.

Karen Haller, chairman of the Awards committee, presented the awards. The award consists of a wood plaque in the shape of Missouri with a label on which is engraved the recipient's name, award, and statement of contribution.

Two of the four MONPS awards were given this year. They went to:

Penny Holtzmann – St. Louis Chapter, received the Plant Stewardship Award, for years of volunteer work in habitat restoration of our native vegetative communities.

Doug Ladd – St. Louis Chapter, received the Erna R. Eisendrath Memorial Education Award, for educating Missourians on the diversity of native flora and grassland communities through the book *Tallgrass Prairie Wildflowers*.

Frank Oberle – received the Erna R. Eisendrath Memorial Education Award, for educating Missourians on the diversity of native flora and grassland communities through the book *Tallgrass Prairie Wildflowers*.

Congratulations Penny, Doug and Frank. Our native plant communities are better known and thus better appreciated because of your personal dedication and commitment to our natural heritage.



## Osage Plains Spring Field Trips

by Carrol Eaglesfield

The Osage Plains Chapter has had a field trip scheduled each Saturday beginning with March 23. Weather conditions caused cancellation of only three outings. Trips have included Artesian Park and Town Creek in Clinton, Montrose Lake, Kaysinger Bluff, Chapel View Prairie, Lichen Glade, Rock Hill Prairie, Dave Rock Glade, Fewel WLA, and several privately own areas. One of the latter, located in Henry Co., is especially productive. We had the privilege of walking in a mature oak forest with literally acres of bluebells, (*Mertensia virginica*) and bloodroot (*Sanguinaria canadensis*) all about. We also found rue anemone (*Anemonella thalictroides*), white trout lily (*Erythronium albidum*), harbinger of spring (*Erigenia bulbosa*), false rue anemone (*Isopyrum biternatum*), Dutchman's breeches (*Dicentra cucullaria*), spice bush (*Lindera benzoin*), bellwort (*Uvularia grandiflora*), bird's foot violet (*Viola pedata*), wild hyacinth (*Camassia scilloides*), Jack-in-the-pulpit (*Arisaema triphyllum*), green dragon (*A. dracontium*), violet wood sorrel (*Oxalis violaceae*) and many others. We even flushed a turkey.

Another favorite area has been the Fewel WLA in central Henry Co. Here there is a forest, spring, creek and sandstone bluff. Common were wild sweet William (*Phlox divaricata*),

blue eyed grass (*Sisyrinchium montanum*), hooked crowfoot (*Ranunculus recurvatus*), sensitive fern (*Onoclea sensibilis*), blue-eyed Mary (*Collinsia violaceae*), blunt-lobed cliff fern (*Woodsia obtusa*), Solomon's seal (polygonatum biflorum), false Solomon's seal (*Maiathemum racemosum*), ground ivy (*Glechoma hederacea*) and pawpaw (*Asimina triloba*) to name only a few.



Lichen Glade (near Osceola) and Chapel View are always interesting. Between them we found Ohio spiderwort (*Tradescantia ohioensis*), rough-fruited cinquefoil (*Potentilla recta*), false garlic (*Nothoscordum bivalve*), yellow star grass (*Hypoxis hirsuta*), dwarf dandelion (*Krigia virginica*), golden selenia (*Selenia aurea*), small skullcap (*Scutellaria parvula*), blue toadflax (*Linaria canadensis*), pale beard-tongue (*Penstemon pallidus*), smooth beard-tongue (*P. digitalis*), prairie blue-eyed grass (*Sisyrinchium campestris*), Indian paintbrush (*Castilleja coccinea*), cream white indigo (*Baptisia bracteata*), white wild indigo (*B. alba*), shooting star (*Dodecatheon meadia*), southern black haw (*Viburnum rufidulum*), common lousewort (*Pedicularis canadensis*), spiked lobelia (*Lobelia spicata*) and others.

Although our spring was a little slow in starting, we are rapidly catching up and looking forward to summer and fall. The ticks seem to be worse than usual this year which is probably a contributing factor to low participation in field trips. But even two or three interested people can help make a field trip exciting. Recently one person picked up a small unimpressive looking bedstraw. Its name proved to be (*Galium pedemontanum*). It had the tiniest yellowish flowers I have ever seen. Gleason, *Great Plains Flora* and Gray list it, but not in Steyermark. Another small item to make life more interesting. Happy flower hunting!

## Welcome to New Members

We're happy to welcome these new members to the Missouri Native Plant Society. Several of you have been members in the past and have rejoined. We're glad to have you back. We hope you will join us soon at some of our upcoming field trips and meetings.

Ann F. Buhr, St. Louis  
Duane Dailey, Columbia  
Linda L. Epstein, St. Louis  
M. Troy Gordon, Columbia  
Robin Kennedy, Columbia  
Janis Londe, Webster Groves  
Paul McKenzie, Columbia  
Frank J. Reynolds, Jr. Springfield  
Vicki Richmond, Kansas City  
Ella Roberson, Newberg  
James & Margaret Ruschill, Crescent  
Christine S. Thurman, Lenox  
David B. Wellman, Columbia



## Tidbits



### COLLECTION HAZARDS

*Reaction Times* (a college science newspaper) January 1996 issue carried an item about saw palmetto, a weedy plant covering hundreds of acres in southern Florida. Researchers have found that the plant's berries contain fatty acids that reduce inflammation in enlarged prostates. A French company now imports 800,000 pounds of the berries per year, a move that drove the per-pound price from 20 cents to a high of \$3.15 in 1995. Suddenly, the berries which formerly were wanted only by wildlife, became big money. Amateur collectors thrived, but without realizing that the plants grew in prime rattlesnake habitat. So far, four berrypickers have died of rattlesnake bites and one drowned crossing a canal. Fortunately, the French are considering establishing saw palmetto farms.

### PROLIFIC VINES

A letter to the editor, published in the February 22, 1996 *Los Angeles Times*, warns Californians about the dangers of English ivy (*Hedera helix*). Readers are urged to nip the vines off at the ground to save trees from encirclement and eventual strangulation. Missourians are well aware of this plant which is almost as obnoxious and tenacious as some other imported compatriots, such as Japanese honeysuckle, bush honeysuckle and Japanese hops.

### FOREST PROSPECTING

The March–April 1996 *Audubon*, under the title “Better Living Through Botany,” reports that several Cornell University scientists from that school’s “Institute for Research in Chemical Ecology” hope to join forces with a land trust and a corporate partner, to purchase a 250 acre second growth forest in the Finger Lakes area. The tract, similar in concept to at least one other in the tropics, would be the first United States preserve dedicated to studies in biodiversity and chemical prospecting. The scientists, who would conduct chemical research not only on plants, but also a variety of living organisms such as insects, molds, fungi, and bacteria, feel that the concept is valid in temperate forests as well as tropic zones. Examples of recent discoveries spurring the project are taxol produced from Pacific yew trees which shows promise for cancer treatment and a powerful natural insect repellent chemical isolated from an endangered mint, *Dicerandra frutescens*, restricted to a central Florida habitat of several hundred acres.

### CYCADS

In the “Earth Almanac” section of the March 1996 *National Geographic* is a photograph of one of the world’s rarest plants, a South African cycad, *Encephalartos woodii*. This particular plant along with several dozen other offshoots, was grown from the stem of a plant discovered in 1895. Cycads are in demand worldwide by botanical gardens eager to borrow the plants as temporary exhibits. However, on such journeys, the cycads are frequently taken by poachers

who can reap thousands of dollars from collectors. The plants are being tagged with microchips inserted into the stems and tracked by satellite; if a plant disappears, authorities can then be notified. Although *E. woodii* no longer grows wild, other wild cycads are also being fitted with the space-age chips. Cycads face extinction from collecting and habitat loss. Recently a contractor took 300 wild cycads worth hundreds of thousands of dollars to landscape casino grounds.

### EVAX PROLIFERA

A Fall 1995 *Kansas Wildflower Society Newsletter* report on a botany outing to the Cimarron National Grasslands, north of Elkhart in far southwestern Kansas, will bring fond memories to Webster Groves Nature Study Society members who participated in the May 1991 trip to Ozark County, Mo. The Kansans lamented that “we searched in vain for the rare plant, ‘rabbit tobacco’ (*Evax prolifera*), which had been seen two years earlier.” Father James Sullivan discussed in detail the WGNSS discovery of the Missouri record for this plant in the *Missouriensis* 1991, Vol. 12, No. 1 issue.

### LICHEN PROJECT

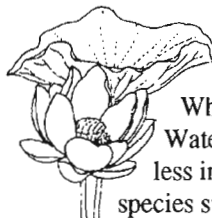
The National Geographical Society’s Committee for Research and Exploration described a number of funded projects in the April 1996 magazine. Of interest to botanists is the North American Lichen Project, which involves taking lichen photographs to create the first color guide to 800 lichen species in the U. S. and Canada.

### MONPS MEMBER QUOTED

Our fellow member George Yatskievych rated a quote in *St. Louis Post-Dispatch* Editor William Woo’s column, in the Sunday, April 7, 1996 edition. Mr. Woo’s column, which discussed the seasonal change occurring in the month of April, contained the following comment: “My mentor in seasonal changes, George Yatskievych, a botanist with the Missouri Department of Conservation, has a fine phrase for it: ‘Spring’s hesitant renewal.’” Congratulations to George for your effective communication on our natural heritage!

## Chapter News

**Hawthorn** — After our May general business meeting Dr. Jim Whitley made a presentation on aquatic plants that included a slide presentation and a look at some living specimens. The presentation included identification, problems with invasive species, methods of propagation and uses of aquatic plants for everything from water treatment to sealing wine barrels. Dr. Whitley referenced work done at the Columbia Water Treatment Facility and examples of the use of less invasive rooted species to control some problem species such as filamentous algae. Dr. Whitley will be presenting an aquatic plant workshop, including a field trip on Saturday June 8 that will be sponsored by the Missouri Chapter of the American Fisheries Society.



In April, several members of our Chapter staffed a display at the Midwest Science Center's Kids Fair which was part of the Midwest Science Center's Earth Stewards Program on Big Rivers. We also had a booth at Columbia's Earth Day festivities where our organization and its goals were exposed to a large number of people. Three individuals contacted at that event joined us at our May meeting.

**Jefferson City** — At present we have two members who have agreed to be officers for our chapter. However we need two more willing people to help lead our group. Please consider taking a turn to help get those programs and field trips off the ground. Our chapter needs your help! Call Ann at (573) 635-0250 or (573) 796-4478. President – Open; Vice President – Open; Secretary – Carol Young; Treasurer – Lois Kinkade.

At our February meeting, Carol Leigh Brack-Kaiser of Carol Leigh's Specialties and Hillcreek Fiber Studio in Columbia presented a program on dyeing using native plants. She explained the chemical process needed for creating a dye and gave an extensive overview of dyeing textiles with natural plant and insect(!) sources. She had wonderful samples to look at with dye sources that ranged from mushrooms to walnut hulls. March: Scott Woodbury, staff horticulturist at Shaw Arboretum of the Missouri Botanical Garden discussed the philosophy of gardening with Missouri native plants in our landscaping projects. He presented a slide show featuring native plants in garden settings, and his talk emphasized dry shade gardening and water gardening in particular. April: Cathy Johnson, artist, naturalist, and author of *Off the Beaten Path* shared her tips and techniques on keeping a sketching diary. She had books for sale and did a book signing. May: We had not one, but three guest speakers. Senior Planner of the City of Jefferson, Janice McMillan talked about local ordinances that would influence our landscape choices. Also, local architect, Michael Goldshmidt, talked about his approach to building design in relationship to the environment. Then MONPS member, Ron Hansen shared his experience with establishing and maintaining a buffalo grass lawn.

The monthly nature/wildflower walks at Runge Nature Center have been well attended. In May, a small group of us went on a field trip to Hawn State Park and Pickle Springs Natural Area. We were hoping to see azaleas and orchids in bloom, but the late cold spell must have nipped the azaleas and I'm told the orchids weren't quite ready. We did see some beautiful groupings of dwarf spiderworts (wild crocus) with wood sorrel, yellow star grass and others. The ferns were also in full glory, including hay-scented and cinnamon ferns. Ann Wakeman led a hike to Earthquake Hollow C.A. We saw lots of wildflowers and ferns including nodding white trilliums, yellow lady slippers, glade fern, maidenhair fern, and many, many more. A gem of a place to visit in the spring!

In March we had a booth at Capital Mall's Community Bazaar. We handed out stacks of freebies and made some

money selling a variety of items donated by chapter members, including wildflower seeds, gourd seeds, wren houses, cards and dried flowers. In April, Runge N.C. had an Earth Day Event, where we had a booth to promote our organization. We sold a few items and handed out lots of freebies.

**Kansas City** — Spring is here and we are on the move! Our Chapter set an aggressive field trip schedule during our January business meeting, three of which have already taken place. Speakers at our monthly meetings have included Bob Mables from the Kansas Wildflower Society, Elmo Law from the University of Missouri-Kansas City, and Bill Heatherly from the Missouri Department of Conservation. Members volunteered to staff display booths at the Kansas City Flower, Lawn, and Garden Show, and at the NatureScaping Symposium held at Burr Oak Woods Conservation Nature Center.

May 4th and 5th were the dates of Powell Gardens' annual Mayfest. Several members ran a native plant booth there, selling native plants and handing out literature about the Society and the use of native plants in the landscape. May 11th was our first clean-up day at the Esther O'Connor Wildflower Prairie at Lake Jacomo. Dr. Craig Freeman from KU was the speaker at our May meeting. Several members headed north to Slip Bluff State Park in Iowa on May 18th to see the white ladyslipper orchid. And there will be more field trips and speakers in the months ahead! If you are going to be in the Kansas City area and would like information concerning our schedule, please contact Dan Rice at (816) 461-0206.

**Osage Plains** — New officers for 1996:

President: David Lindell

Vice President: Marlene Miller

Secretary/Treasurer: Ruth Maynhart

Chapter Representative: Marlene Miller

Program: Carrol Eaglesfield and John Maynhart

Our meetings are held at the Clinton Courthouse on the third Monday of the month at 7:00 PM during the winter. We will not have another meeting until July 15.

The special speakers we have enjoyed this winter include Mervin Wallace from the Missouri Wild Flowers Nursery, Judith Rogers from the Sharp Brothers Seed Company, Stephen Timme from the T.M. Sperry Herbarium, Mike Huffman with the Department of Conservation, and Carol Eaglesfield. The subjects covered: using native plants in landscaping, seeding; Amazon River Basin of NE Peru; how trees grow and their needs; and spring wild flowers. We were privileged to see many slides, shared books and pamphlets, and in April, looked at some pressed plants and some recently collected fresh plant materials. We also enjoy visiting with each other and sharing refreshments. We are looking forward to receiving our reprints of the *Flora of Missouri*.

Carrol Eaglesfield will conduct field trips every Saturday through the summer. Meet at the Clinton Courthouse parking lot at 9:00 AM.

We invite all of you to join us for the September field trip and board meeting. We live in a lovely area and are eager to share it with all of you.



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- New Board Members Announced

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## INFORMATION ON JOINING MISSOURI NATIVE PLANT SOCIETY

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