

Missouri Native Plant Society

March

- 3** Tue., 7:00 PM
Jefferson City

Shrubs & Woody Vines presented by Don Kurz. Don will discuss often overlooked and under appreciated plants, shrubs and woody vines drawing from his experiences while writing *Shrubs & Woody Vines of Missouri*. Chapter meeting at Runge Nature Center.

.....
- 9** Mon., 7:00 PM
Columbia

Workshop on Propagation of Native Plants presented by Ann Wakeman. Chapter meeting at the Midwest Science Center, 4200 New Haven Rd.

.....
- 12** Thur., 5:30 PM
Columbia

Spring Wildflower Walks led by Randal Clark at Rock Bridge State Park. Meet at Devil's Icebox parking lot. Walks held each Thursday through mid May.

.....
- 16** Mon., 7:00 PM
Clinton

Update on the Katy Trail presented by Frank Wesley. We will also be planning our spring field trips. Chapter meeting at the Henry County Courthouse.

.....
- 18** Wed., 7:00 PM
Kansas City

Chapter Meeting at the Loose Park Garden Center. Program to be announced.

.....
- 25** Wed., 7:30 PM
St. Louis

Chapter meeting at the Missouri Botanical Garden, Ridgway Center. Program TBA.

Continued on page 2



IMPORTANT INFO FOR MEMBERS – How to Restore Tranquility

by Jack H. Harris

I paid my Missouri Native Plant Society (MONPS) dues this year? I think I paid my MONPS dues this year? I'm pretty sure I paid my MONPS dues this year? I must have paid my MONPS dues this year? Did I actually do what I intended to do???

Now you can quickly remove all doubt and calm your nagging anxieties. Just look at the mailing label on the cover of your last *Petal Pusher* newsletter. There are 8 numbers immediately above your name. These numbers define the expiration date of your current membership according to the records of the MONPS Treasurer. The first four numbers are the calendar year for which your dues are currently paid. The

next two numbers are the month, and the last two numbers the day of the month. Life members are assigned a special code of 90000000. Exchange and complimentary subscriptions are assigned a special code of 30000000. If you have any questions about the accuracy of your number contact the Treasurer - see address on back page.

To submit a dues payment - make a **check** out to: **Missouri Native Plant Society**. Mail it to: Jack H. Harris, Treasurer (see address and dues schedule on page 11).

If your dues are not current to the end of 1998, this will be your last issue of the *Petal Pusher*.

April

- 5** Sun., 9:00 AM **Field Trip to Wegner Woods** to look for trout lilies & other early spring wildflowers. Meet at W. Co. Shopping Center near J.C. Penney's south entrance. Or at the Treloar access of the Katy Trail at 10:15 AM.
-
- 5** **Due date for material for May-June *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, please send copy on disk to Pat Harris. Disk will be returned. Or send e-mail to: pharris@stlnet.com
-
- 7** Tue., 7:00 PM **Photographing Antique Roses** presented by Janet Racen. Chapter meeting at Runge Jefferson City Nature Center.
-
- 13** Mon., 7:00 PM **Native Grasses** presented by Jef Hodges. We will also be electing officers. Chapter meeting at the Henry County Courthouse.
-
- 13** Mon., 7:00 PM **Chapter meeting.** Tentative topic: Orchids. Held at the Midwest Science Center, 4200 Columbia New Haven Rd.
-
- 18** Sat., 9:00 AM **Wildflower Walk at Line Creek Park** as well as **White Aloe Creek** in Parkville. Meet at Line Creek: From I-29, take Waukonis Drive NW to 60th St. Park is on the left. Bring sack lunch & water. The ground may be muddy.
-
- 19** Sun., 10:00 AM **Wildflower Walk at Emmenegger Park** led by Jack & Pat Harris. Meet at the Powder Valley Nature Center parking lot.
-
- 22** Wed., 7:30 PM **Chapter meeting** at the Missouri Botanical Garden, Ridgway Center. Program TBA. St. Louis
-
- 24-26** Fri.-Sat. **Spring Field Trips & Board Meeting.** See page 3.

Alternative Medicine —

A PEEK AT WHAT WE KNEW WAY BACK WHEN

Source: *Outlook* Winter 1997

Over forty volumes of some of the worlds rarest records of the relationships of medicine and plants are on display in the Drs. Robert J. and Helen H. Glaser History of Medicine Gallery at The Bernard Becker Medical Library.

These extremely rare (some of the earliest) books are from of the collections of the Washington University School of Medicine and the Missouri Botanical Garden. One set of folios dating to 1737 - 1745 "...contain 1,250 hand-colored, exquisitely depicted mezzotint plates of fruit, flowers, trees and shrubs..." Each ancient book on display is open to a selected plant illustration / narrative, and interpretive captions are posted. The exhibit (all protected behind glass) is on the 7th floor of the library, Archives; 660 S. Euclid, St. Louis, MO, 63110. For inquiries call Lilla Vekerdy, Rare Book Librarian, at 314-362-4235.

The exhibit runs through April 1998.

www links @

<http://www.mobot.org/MOBOT/molib/colb.html#sturt>

March - April 1998

Ballot Committee

President Larry Morrison has appointed the following members to the Ballot Committee:

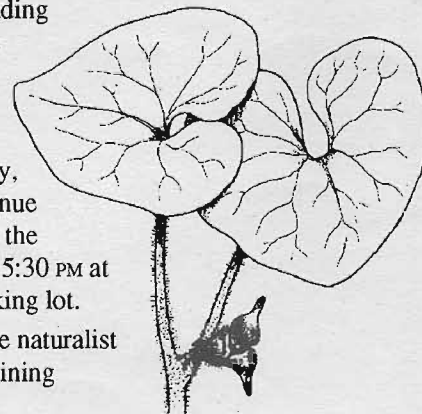
Sue Hollis (Kansas City), Chair;

David Lindell (Clinton); Denise Colombini (Columbia).

Spring Wildflower Walks

Randal Clark will be leading spring wildflower walks in Rockbridge State Park, Columbia again this year. The weekly walks begin on Thursday, March 12 and will continue every Thursday through the middle of May. Meet at 5:30 PM at the Devil's Ice Box parking lot.

Roxie Campbell, the naturalist at Rockbridge will be joining Randal.



1998 Spring Field Trips & Board Meeting — April 24-26 — Columbia, MO

ITINERARY

- 24 March Fri., 7:00 PM **Evening get-together:** Larry Mechlin, Missouri Department of Conservation, will discuss the establishment of native grassland (initial prairie matrix) at the new Prairie Fork Conservation Area in Calloway County. Held at the University of MO Dunn-Palmer Herbarium.
Refreshments & open house follows at the Dunn-Palmer Herbarium, with displays of historical herbarium specimens and an opportunity for MONPS members to learn how to mount herbarium specimens.
- 25 March Sat., 8:30 AM **Field Trip to Prairie Fork Conservation Area:** Meet at the Dunn-Palmer Herbarium to car-pool. Or meet at 9:30 AM at Prairie Fork Conservation Area, Calloway County.
- Sat., ≈Noon **Lunch:** We will go to one of the restaurants in Fulton. If you bring lunch, there is a small park in Fulton with tables, just down the street from the Churchill Memorial.
- Sat., 1:30 PM **Field trip to Earthquake Hollow** Calloway County. Ann Wakeman will be our guide to this conglomerate bluff with rich woods and numerous ferns and orchids.
- Sat. **Dinner.** Restaurant to be determined by those present.
- Sat., 7:00 PM **MONPS Spring Board Meeting.** Held at the Dunn-Palmer Herbarium. All MONPS members are invited to attend.
- 26 March Sun., 9:00 AM **Field Trip on the Missouri MKT Trail State Park** at Rocheport. Meet at the restored train station alongside the trail in Rocheport. Pam Haverland and Robin Kennedy will lead this trip. Some people may want to bring bicycles, or rent them in Rocheport (numerous rental outlets there). Others may wish to walk in groups. The trail runs right along the riverbanks to the south of Rocheport, and runs through a rock tunnel just at the north side of the town. A diverse trailside flora and good river views.

DIRECTIONS

To Dunn-Palmer Herbarium: From the east, drive west on I-70 to Exit 128, take U.S. Hwy 63 S, towards Jefferson City; go south to the Stadium Blvd. exit. Then west to the second light (this cross street is named College Ave. to the north, Rock Quarry Rd. to the south). Drive south ≈ 1/8 mile on Rock Quarry Rd., turn right into driveway and park near the "Museum Support Center."

From the west, drive east on I-70 to Exit 124 take the Stadium Blvd. south. Stay on Stadium Blvd. as it goes south and then curves east past the football stadium and the Hearn's Basketball Arena. Turn right (south) on Rock Quarry Road (there is a stop light here) and drive south ≈ 1/8 mile, turn right into driveway and park near the "Museum Support Center."

To Prairie Fork CA: From the east take Exit 161 off I-70 at Williamsburg. Drive west on the outer road that runs along the north side of I-70 until you reach County Hwy D. Drive south (overpass over I-70), for about 2 miles. The sign for the Conservation Area is on the east side of the road. Enter driveway and park by the buildings.

From the west take Exit 155 off I-70 at Calwood. Turn left and cross over I-70 & drive east on the outer road that runs along the north side of I-70 until you reach County Hwy D. Drive south (overpass over I-70), for about 2 miles. The sign for the Conservation Area is on the east side of the road. Enter driveway and park by the buildings.

To Earthquake Hollow: Drive three miles north of Holts Summit (Hwy 54 & Hwy OO intersection), on Hwy 54. Then 1 mile east on Hwy TT and then continue east on County Road 452 ≈ 1 mile to MDC sign.

To MKT Trail State Park: Take I-70 west out of Columbia for ≈ 10 miles. Get off at Rocheport (Exit 115), proceed NW about two miles into the town, and turn left on almost any street, which will lead you downhill towards the MKT Trail. The restored station, bike rental shops, and parking lot are at the eastern end of town, bottom of the hill.

LODGING:

- Travelodge 1-800-456-1065
Columbia, 900 Vandiver Dr., I-70 exit 127
Single \$39.95 +tax
Double \$49.95 +tax

Includes a continental breakfast of coffee, juice, fruit, muffins, donuts & cereal.

- Super 8 1-800-800-8000
Columbia, I-70 & Hwy 63, exit 128A
Single \$51.88 +tax
Double \$59.88 +tax

Complimentary breakfast of coffee & pastries.



Nominations Committee Report

by Robin Kennedy

The Society will elect two new board members this spring to take office following the annual meeting in June. The Nominations Committee (listed below) hereby nominates the following persons to fill the two (3 year term) board positions.

Donna Kennedy – Ballwin, MO (St. Louis chapter), an avid gardener. She works from her home as a sales representative for a label company.

Ralph Lindgren – Joplin, MO (Springfield chapter), is currently filling out Jody Eberly's expired term on the board.

Bruce Schuette – Troy, MO (St. Louis chapter), present board member, Naturalist, Cuivre River State Park.

If you would like to be considered for one of these positions or if you would like to nominate someone else, send a written nomination and a written second from another member. Also send a written confirmation of willingness to serve from the nominee. These documents should be sent to the address shown below before March 20, 1998.

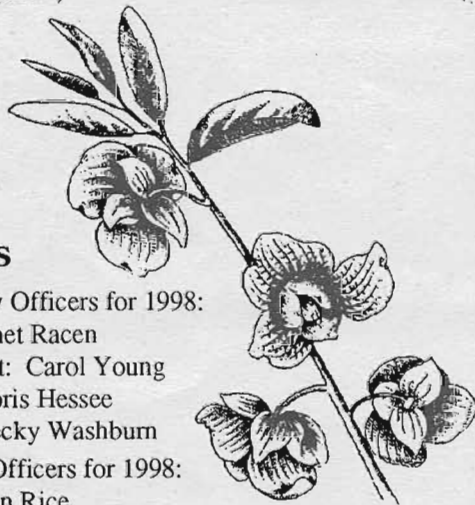
Robin Kennedy, Chair, 300 Westwood Ave.
Columbia, MO 65203

Nominations Committee Members:

Larry Mechlin, (Columbia)

Mary Smidt, (St. Louis)

(Correction: In the January-February 1998 issue of the *Petal Pusher*, it was stated the David Lindell, Clinton, was a member of the nominations committee. He agreed to serve on the ballot committee, not the nominations committee.)



Chapter News

Jefferson City — New Officers for 1998:

President: Janet Racen

Vice President: Carol Young

Secretary: Doris Hesse

Treasurer: Becky Washburn

Kansas City — New Officers for 1998:

President: Dan Rice

Vice President: Sue Hollis

Secretary: Ed O'Donnell

Treasurer: Margaret Gunde

Chapter Representative: Dan Rice

Osage Plains — We had our first meeting in February, following our winter hiatus. It was good to be together again. We got our first chance to see and purchase the new Missouri Native Plant Society pins. A wonderful program was given by C.F. Eaglesfield on Wild Edibles using slides, dried specimens, and Jan Phillips book *Wild Edibles of Missouri*.

1998 Shaw Arboretum Native Plant Conference — June 5-7, 1998

SPONSORS: This will be the third native plant conference organized by Shaw Arboretum of the Missouri Botanical Garden. The Missouri Department of Conservation is co-sponsoring the event.

LOCATION: Powder Valley Nature Center in St. Louis (Kirkwood), MO.

PURPOSE: The Shaw Arboretum Native Plant Conference is designed to increase awareness and interest in the use of native plants in the landscape. The goal of the conference is to develop an understanding of natural landscaping through a balance of classroom lectures and hands-on, outdoor workshops. Gardeners, horticulturists, environmental educators, landscape designers, plant nuts, and the like can all benefit from the lectures and workshops.

SPEAKERS:

Sara Stein is a gardener, amateur ecologist and writer in the natural sciences. Her books include *My Weeds*, a gardener's botany, and *Noah's Garden*, which relates the ecological restoration of her property in suburban New York. A sequel, *Planting Noah's Garden*, describes her further adventures in backyard ecology, and explains how to transform the traditional, lawn-bound home garden to natural habitat.

Bret Rappaport is an attorney from Chicago, a dedicated proponent of the natural landscape movement, and an avid home gardener of native plants. His speaking engagements and publications abound and cover topics from backyard wildlife and gardening with native plants, to the history of the natural landscape movement and urban weed ordinances. Also, Bret is president and a columnist of *The Wild Ones Journal*, and field editor for *Wildflower* magazine.

Steven Foster is an herbalist, photographer, conservationist, and researcher. He is the author of *Echinacea: Nature's Immune Enhancer*, *Herbal Bounty: The Gentle Art of Herb Culture*, and co-author of the *Peterson Field Guide to Medicinal Plants*. He is the leading authority in the United States on the subject of Echinacea and has lectured worldwide on medicinal plants. His informative book, *Echinacea*, has become the standard reference on this important herb.

Guy Sternberg has grown and studied hundreds of different types of trees for nearly 40 years. He is co-author (with Jim Wilson of the "Victory Garden") and photographer of *Landscaping with Native Trees*, a reference book for natural landscape design and management. He has also contributed to many other publications, including Jim Wilson's award-winning book *Landscaping with Wildflowers*, *Taylor's Master Guide to Gardening*, and several horticultural journals and popular magazines.

REGISTRATION: The conference will be limited to the first 300 registrants. Registration is required. Please contact Shaw Arboretum for more information and to register: Shaw Arboretum, P.O. Box 38, Gray Summit, MO 63039. Tel. 314-451-3512

TIDBITS

UNUSUAL PLANT RESCUE

Thanks to the Illinois Native Plant Society's January 1998 *The Harbinger*, for a story on an unusual plant rescue. Author George Johnson relates his experiences with demolition of an old concrete silo on a farm he manages. The silo was small in diameter, 50 feet tall with no top and a row of two foot square openings up the north side. Sunlight never reached the bottom and the silo was last filled 25 years ago. The author poked his head in for a final look before the bulldozer began and was amazed to find numerous lady fern (*Athyrium filix-femina*) and ebony spleenwort (*Asplenium platyneuron*) plants growing in the bottom. The soil surface in the silo was covered with a solid coat of mosses. The demolition was halted until the ferns could be removed and transplanted. The author comments that in taking down the silo, he probably destroyed the basis for at least a master's thesis, but suggests that hundreds of abandoned silos remain in Illinois in case anyone wishes to research this interesting environment.

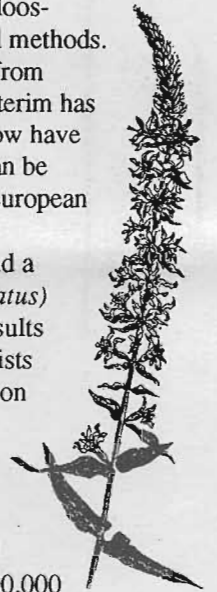
JIMSON WEED'S LURE

The *St. Louis Post-Dispatch's* November 9, 1997 issue reports Illinois authorities are concerned that suburban teen-agers, attracted by tales of jimson weed's (*Datura stramonium*) hallucinogenic powers, but unaware of the intense toxicity, are turning to the plant for a cheap high. McHenry County officers found and destroyed 600 carefully cultivated plants growing in a cornfield. Police also removed several hundred plants growing wild in an empty lot near an elementary school. Jimson weed is cheap, accessible, but unlike controlled substances is not illegal. The plant, native to Asia, has grown in North America for centuries, preferring disturbed sites, such as vacant lots, construction sites and along railroads. Despite the lore, jimson weed is poisonous and is more likely to cause illness than create a high.



PURPLE LOOSESTRIFE CONTROL—UPDATE

Thanks to *Audubon* for an update on purple loosestrife (*Lythrum salicaria*) biological control methods. Purple loosestrife entered the United States from Europe probably 200 years ago and in the interim has been decimating U.S. wetlands. Scientists now have good reason to be optimistic that the plant can be controlled. About a decade ago a search of European predators turned up two leaf-eating beetles (*Galerucella californiensis* and *G. pusilla*) and a root-mining weevil (*Hylobius transversovittatus*) that feed only on purple loosestrife. Early results show spectacular results, according to scientists who are raising and the releasing the insects on purple loosestrife sites. One test on a one-acre plot showed 95% reduction of the plant. The U.S. Department of Agriculture has approved the predators after extensive screening to be certain North American food crops would not be threatened. More than 100,000 weevils have been released in 26 states and two million beetles in 30 states and six Canadian provinces. The beetles propagate readily, but the weevils do not.



DADBURN FERN INVASION!

Florida Game & Fresh Water Fish officials (*Florida Wildlife*, September-October 1997) warn that *Lygodium microphyllum* (old world climbing fern) is snaking around native cypress, wax myrtle, and other trees and plants, and eventually smothers all under blankets of leaves. *Flora of North America*, Vol. 2 cites this culprits aggressive propensity to "...climb to a height of 9 meters in trees. Sometimes it forms thick mats covering considerable areas at ground level." The species is native to east Asia and has been slinking around Florida since ca 1958. Florida researchers are looking for ways to eliminate the pest.

Welcome to New Members

We're happy to welcome these new members to the Missouri Native Plant Society. We hope you will join us soon at some of our upcoming meetings and field trips.

- Pam Allison, St. Louis
- Dana Barhard, St. Louis
- Dr. Melvin Conrad, Kiowa, KS
- Susan Finger, Columbia
- Norma L. Hagenhoff, Jefferson City
- William H. Jones, Clinton
- Janeen R. Laatsch, Cape Girardeau
- Rachel Locke, St. Louis
- Cynthia L. Marin, St. Louis
- Sheila D. Matthews, New London
- Barbara Hester Parrish, Shawnee, KS
- Katherine L. Reed, Kansas City, KS
- Ellen M. Wheeler, St. Louis



Two New Fact Sheets

There are two new Fact Sheets available from your local chapter — "Butterfly Gardening" and "Landscaping with Native Shrubs and Small Trees."

MONPS Web Site Address

The MONPS web site address should be:
www.missouri.edu/~umo_herb/monps

Internet Web Sites of Interest

North American Native Orchid Journal

www.flmnh.ufl.edu/naorchid/

New England Wildflower Society

www.newfs.org/~newfs/

Internet Directory for Botany

www.helsinki.fi/kmus/whatsnew.html

Native Plant Conservation Initiative

www.aqd.nps.gov/npci/

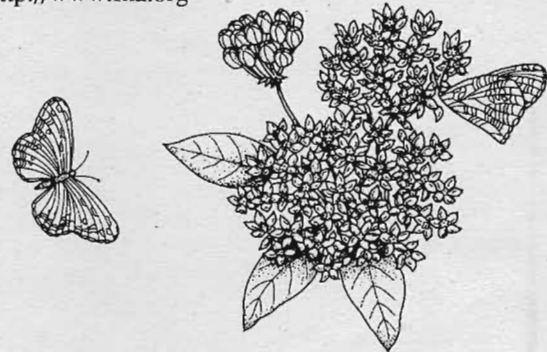
Check out the Celebrating Wildflowers coloring book at the bottom of their web page.

Publications of Interest

A PIECE OF THE BIG PICTURE

Flora of North America, Volume 3 (Magnoliophyta: Magnoliidae & Hamamelidae); *Flora of North America* (FNA) Editorial Committee, *Flora of North America Association*, 1997. Oxford University Press. Size 8.5" x 11" x 590 pages. \$82.00 at, e.g., Missouri Botanical Garden.

The third increment (of a planned total of 30) for those who desire to accumulate a "...synoptic floristic account of the plants of North America north of Mexico..." and "...a means of identifying plants within the region and a systematic conspectus of the North American flora." Volume 3 contains 32 families, 128 genera, and 741 species. For more info see <http://www.fna.org>



Volunteers Needed

Do you enjoy working with children; being in the outdoors; looking at the evening sky; and teaching new information? If so, being a volunteer Nightwatcher leader at Kiwanis Camp Wyman in Eureka, MO might be for you!

Nightwatcher leaders take small groups of 4th through 6th grade students on evening nature hikes weekdays from March to May and September to October as part of the Wyman Center's environmental education school camp program. The hikes usually begin between 8:00 and 9:00 PM and last approximately 1 hour.

Training and a small stipend for traveling expenses are provided. To volunteer as a Nightwatcher leader, please contact: Tammie Stenger, Wyman Center, 600 Kiwanis Dr., Eureka, MO 63025 or phone at 314-938-5245 ext 234.

Come lead a walk in the moonlight and open the wonders of the night environment to a child.

INFORMATION ON JOINING MISSOURI NATIVE PLANT SOCIETY

SOCIETY DUES

(Chapter dues additional)

Student \$5.00
 Regular \$9.00
 Contributing \$20.00
 Life \$200.00

CHAPTER DUES

Columbia \$6.00
 Jefferson City \$5.00
 Kansas City \$5.00
 Osage Plains00
 St. Louis \$5.00
 Springfield00

Make check payable to: Missouri Native Plant Society

Mail to: Jack H. Harris, Treasurer
 9708 Green Park Road, St. Louis, MO 63123-7133

Name _____
 Street _____
 City, State, Zip _____
 Phone _____
 e-mail _____

(Circle all that apply)

- 1998 Board Nominations
- Spring Field Trips & Board Meeting
- Native Plant Conference

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P.O. Box 20073
St. Louis, MO 63144-0073

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