



## CALENDAR OF EVENTS

- Aug 8, 7PM**  
St. Louis  
**Field Trip to West Tyson Prairie.** Steve Tiemann will lead a walk at the prairie project supported by St. Louis Chapter in memory of the late William Epstein. Meet at West Tyson County Park.
- Aug 10**  
**DUE-DATE FOR MATERIAL FOR SEPTEMBER-OCTOBER PETAL PUSHER.** Please send field trip information and articles to the editor by this date. Articles should be double-spaced and have the author's name, address, and phone number on them. If article has been wordprocessed please send copy on disk, which will be returned.
- Aug 15-17**  
(Jul 15 Deadline)  
Millersville, PA  
**Conference on "Native Plants in the Landscape."** Cost including registration, food, and lodging is \$135 single or \$130 double. For information contact Grace Evans, Continuing Education, 104 Dilworth Hall, Millersville University, Millersville, PA 17551, 707-872-3030.
- Aug 18-21**  
Springfield  
**2nd Conference on Agroforestry in North America,** at the Holiday Inn University Plaza. For information contact the University Extension Conference Office, 344 Hearnes Center, UMC, Columbia, MO 65211.
- Aug 26, 7:30PM**  
St. Louis  
**Slide Presentation on "Wetland Vegetation"** by Alan Brant, botanist with the Missouri Botanical Garden. Monthly Meeting at Schoenburg Auditorium in the Ridgway Center, Missouri Botanical Garden.
- Aug 27, 9AM**  
St. Louis  
**Field Trip to Riverlands wetland area, Alton Lock and Dam** led by Alan Brant. Bring lunch and beverage. Wear sturdy shoes. Meet at NW corner of parking lot of Ridgway Center, Missouri Botanical Garden.
- Sep 14**  
**Field Trip to the Bootheel area and quarterly Board Meeting.** Details to be announced in September-October *Petal Pusher*.
- Sep 27, 7:30PM**  
St. Louis  
**Slide presentation on "Uses of Grasses by Prehistoric Native Americans"** by Gayle Fritz. Monthly Meeting at the Ridgway Center, Missouri Botanical Garden.
- Sep 28-29**  
**Prairie Stewardship: Ensuring the Future,** Third Central Illinois Prairie Conference. \$25 registration fee + optional \$7.50 Saturday night dinner and entertainment. For more information call Professor John Ebinger, 217-581-3525 or Mary Hruska 217-398-2798.
- Oct 10**  
**DUE-DATE FOR MATERIAL FOR NOVEMBER-DECEMBER PETAL PUSHER.** Please send field trip information and articles to the editor by this date. Articles should be double-spaced and have the author's name, address, and phone number on them. If article has been wordprocessed please send copy on disk, which will be returned.
- Oct 8-11**  
St. Louis  
**Workshop on Identification of Wetland Plants.** See details in May-June *Petal Pusher*.
- Oct 24, 7:30PM**  
St. Louis  
**Show-and-Tell Slide Show.** Bring 10 of your best slides from the past seasons' events to show and tell each other about. Monthly Meeting at the Ridgway Center, Missouri Botanical Garden.
- Oct 24-25**  
Indianapolis, IN  
**Conference on "Exotic Species"** at the Indiana State Museum. For more information contact Bill McKnight, Indiana State Museum, 251 E. Ohio, Indianapolis, IN 46204, 317-232-8178.

## ANNUAL AWARDS

by Sylvia Forbes

Each year at the annual meeting MONPS has four awards available for presentation for exemplary work. The four awards are: 1) the Julian A. Steyermark Award commemorating a lifetime involved in botany, 2) the Erna R. Eisendrath Award for education, 3) the Research Award, and 4) the Plant Stewardship Award. It was unanimously decided by the Board to name the

### MEMORIAL

Arthur Christ  
Honored  
Research Award  
Renamed  
The Arthur Christ  
Research Award

Research Award the Arthur Christ Award as a memorial to Art, who was a charter member of MONPS and an active hike-leader and educator in botany until his death at age 84 this past February.

This year's Steyermark Award goes to Paul Redfearn, who has been active in botany his whole life. Paul recently retired as a professor at Southwest Missouri State University, where he has taught numerous students, many of whom have pursued careers in botany. He is a leading authority on the mosses of both Missouri and China and is considered an expert on plants of the Ozarks. He is a charter member of MONPS and editor of *Missouriensis*.

Bruce Schuette is the recipient of the Eisendrath Award. Bruce works for the Dept. of Natural Resources as a naturalist at Cuivre River and Graham Cave State Parks. In addition to being a professional interpreter and presenting many programs on native plants, he has done extensive studies in botany at the two parks and is author of a booklet on Spring Wildflowers of State Parks.

The Plant Stewardship Award goes to two individuals this year, Herb and Joan Domke, who have been active in prairie restoration and research. They started the Prairie Garden Trust, which includes land near New Bloomfield, and have developed numerous prairies and test plots. In cooperation with Westminster College they have encouraged students to do botanical research on this land. Herb was a previous board member of MONPS and is a retired physician who was head of the Health Commission of St. Louis.

The newly named Christ Award was not awarded this year.

This year's Awards Committee members were George Yatskievych, Merv Wallace, and Doug Ladd.

Recipients of the four awards for previous years were:

Julian A. Steyermark Award  
1989: Norlan Henderson  
1988: John Wylie  
1985: Art Christ

Erna R. Eisendrath Education Award  
1988: Linda S. Ellis  
1987: Dr. Alice Nightingale  
1986: Ginny Wallace  
1985: Edgar Denison

Arthur Christ Research Award  
1988: Louis G. Brenner  
1987: Joanna Turner  
1986: Paul Nelson  
1985: Bill Summers

Plant Stewardship Award  
1989: John Weston  
1988: Onnie and Betty Conkin  
1987: Mrs. Frank Lowry  
1986: Craig Mackoy  
1985: Fred Hussman

## ANNUAL MEETING HIGHLIGHTS

by Sylvia Forbes

Approximately 60 members attended this year's Annual Meeting held at Caney Mountain Wildlife Area, beginning Saturday with field trips to Long Bald

Natural Area and Spout Spring Trail. Some of the unusual and interesting plants seen were *Centaureum texense* (Texas Centaury), *Lechea tenuifolia* (Slender-leaved Pinweed), and *Callitriche terrestris* (Terrestrial Starwort). The day's outing ended with a dinner of barbecued pork and accompaniments tastily cooked by Larry Houf, Tim Smith, and others. Winners of the Annual Awards were announced (see above article), Committee and Chapter reports were made (see page

4), new officers for the coming year were introduced, and outgoing president Bill Summers recognized the considerable and excellent work done by committee members of the preceding two years. Members serving on committees were:

Nominating Committee: Joanna Turner, Jim Bogler, Linda Richards

Ballot Committee: Linden Trial, Mel Conrad, Tim Smith  
Bylaws Committee: Sue Hollis, Louise Wienckowski, Gary Shackelford  
Awards Committee: George Yatskievych, Merv Wallace, Doug Ladd  
Field Trips Committee: Tim Nigh, Tim Smith  
Newsletter: Sylvia Forbes

## BOARD MEETING HIGHLIGHTS

by Sylvia Forbes

Election of new board member. Due to the resignation of Mark Pelton, it was necessary to elect a new board member. Nominees were Sue Hollis and Bill Dierker. Bill Dierker was elected by written ballot vote.

The Environment/Education Committee has been corresponding with the Missouri Department of Conservation regarding the Commission's Position Statement on Rivers and Streams and has invited them to meet with MONPS Board to discuss it. The Committee for a Responsible Conservation Commission met with Alan Franklin, Governor Ashcroft's Director of Human Resources and asked that Susan Lammert, Susan Flader, Sylvia Hein, Tom Aley, and Harold Baumburg be among those considered for the next Conservation Commissioner. The State Legislature appropriated \$50,000 for a feasibility study for a golf course in St. Joe State Park; impact to plants should be assessed by MONPS. Pat Harris attended a 4-day Wilderness Workshop in Springfield.

Highway Plantings. Board Member Jody Eberly has been working with the Highway Dept. on a seeding project to establish native wildflowers along Highway 60 between Winona and Highway P. It was so successful that people stopped to photograph it and articles appeared in the local paper. Jody encourages people to write to the Highway Dept. thanking them for featuring native plants in this project, and

members are encouraged to work on similar projects. Two other projects that need input on native plants are: 1) The town of Fenton is planting trees, shrubbery, and flowers along I-44. Rose bushes have been planted and more are planned if these survive. Four additional planting projects are planned. 2) The Highway Dept. plans to plant 650,000 trees along Missouri roadsides and has begun by planting non-native Austrian Pines.

Membership. Mention of MONPS in Merv Wallace's Catalog continues to result in requests for information on MONPS. A Membership Brochure Committee is working on a new design that will include information on chapters and chapter dues in addition to information about the state organization.

Newsletter. Scheduling for the newsletter is gradually being realigned so information on September-October calendar events will be in the September-October newsletter, and depending on Postal Service will be in members hands by the first week in September.

Slide Collection. Linda Ellis just contributed 250 slides to the slide collection.

Projects in the Works: 1) Postcard with color photos of native plants to publicize MONPS and perhaps as a money maker. 2) New T-shirt designed by Linda Ellis. 3) MONPS booth at the Annual Systematics Symposium at Missouri Botanical Garden Oct. 5. 4) Eastern Native Plant Alliance 1993 Annual Meeting hosted by MONPS at The Missouri Botanical Garden and held in conjunction with our quarterly meeting.

Thanks to Outgoing President. Joanna Turner, speaking for the whole board, commended Bill Summers for his work as president the past two years.



## CHAPTER NEWS

Columbia Chapter has had plant sales at the Farmer's Market as a fundraiser and is propagating seedlings for next year. Members and residents of Lenoir Retirement Home planted a Native Plant Garden at the Home from which seeds will be gathered to do additional plantings. The Chapter had field trips to Hungry Mother Wildlife Area and Earthquake Hollow and a program by Don Kurz on *Improving Your Wildflower Photography*.

Kansas City Chapter in a joint project with the Idalia and Audubon Societies developed a 60 x 72' butterfly garden. They had field trips with the Kansas Wildflower Society to Hillsdale Lake, with the Sierra

Club to Taberville Prairie, and with Audubon to Trice-Deadman Woods (see following article). Speakers included Norlan Henderson on *Iris*, from *Nova Scotia across Canada* and Judy Penner, Rosarian from award-winning garden Loose Park.

St. Louis Chapter has had well-attended field trips to Hussman Fen, Prairie Hollow Gorge, and Hickory Canyons. Recent speakers have been Jim Whitley on *Plants for Missouri Ponds* and Nevin Aspinwall on *Queen-of-the-Prairie (Filipendula rubra)*.

Springfield Chapter had a plant identification program at the MDC Nature Center and continues to care for the Wildflower Garden there. Paul Redfearn presented a program on *Spring Wildflowers of Missouri* and Steve Timme on *Rainforests*. They have not been having field trips due to poor attendance.

## GARLIC MUSTARD ALERT

Garlic Mustard (*Alliaria petiolata*, formerly *A. officinalis*) is a rapidly spreading weed of forests that is displacing our native woodland wildflowers in many areas. It is an exotic species introduced from Europe for its supposed medicinal properties. Unlike most weeds, which invade disturbed habitats, Garlic Mustard readily spreads into high-quality old-growth forests. It is very aggressive and completely dominates the forest floor. It is a biennial producing abundant seed.

In a 3-day cooperative effort between the Kansas City chapter and several other organizations in the area, 7 tons of Garlic Mustard were removed from Trice-Deadman Woods; 6 tons had already been removed last year.

Members should be on the lookout for Garlic Mustard and should pull and destroy it and monitor the site until all seedlings have been eradicated. For locations that are too well established for one person to deal with, chapters should be notified so that a larger eradication effort can be organized.

## KEMPER CENTER FOR HOME GARDENING

The William T. Kemper Center for Home Gardening is now open at the Missouri Botanical Garden. It is designed to provide practical gardening information in a comfortable atmosphere.

The center is a large home-like building with an inviting living room with fireplace to relax in front of in the winter and use the on-site reference library of

seed catalogs, garden periodicals, and other publications. There are E, W, and N exposures featuring plants that do well in these situations, and changing monthly and seasonal displays elsewhere.

There is a Plant Doctor at the Center Monday-Friday 10-12AM and 1-3PM to answer questions about problems with plants that visitors bring in. The center also has a 15 x 35' greenhouse and will have several theme display gardens including vegetable, butterfly, prairie, Japanese, children's, secret, and agronomic gardens and a garden with raised planters providing easy access for the disabled.

**INDEX TO THE FAMILIES AND GENERA IN THE CATALOGUE OF THE FLORA OF MISSOURI FOLLOWS. Pull out, fold in half, and insert in the back of your catalogue for handy reference. Thanks to Jim Turner!**

## FLORA OF MISSOURI PHOTOCOPIES

by George Yatskievych

It was recently learned that copies of Steyermark's *Flora of Missouri* are available as authorized photocopies, bound into two volumes, from University Microfilms, 300 N. Zeeb Rd., Ann Arbor, MI 48106, 800-521-3042. The cost of single copies is astronomical, \$180 in paperback, \$192 in hardbound, plus state sales tax. However, 40 percent discounts are

available for orders of 20 or more copies (lesser discounts for smaller orders). Mike Skinner, who ran across a set of these at the Fort Leonard Wood base library, says that the quality of the text and illustrations is pretty good, and that the pages are full-sized. This may not be the answer for everyone who needs a copy of Steyermark's *Flora*, but since it now seems unlikely that the original edition will ever be reprinted less expensively, and since the revised edition is still several years away, it might satisfy those few who would pay any price to have a copy. It would save those interested a lot of money if they get together to pool an order.

## BOOK REVIEW

by George Yatskievych

*Roadside Wildflowers of the Southern Great Plains*, by Craig C. Freeman and Eileen K. Schofield. 1991. University Press of Kansas. 280 pp. ISBN 0-7006-0448-0. \$17.95 paperback, \$29.95 hardbound.

MONPS members interested in the flora of western Missouri have a new reason to cheer with the publication of this guide. The book covers wildflowers growing in the southern half of the Great Plains; that is, Kansas and parts of Colorado, Nebraska, Oklahoma, Texas, Iowa, and Missouri (basically the western tier of counties). It complements nicely an earlier book by Vance, Jowsey, and McLean on the wildflowers of the northern portion of the Great Plains region.

Freeman and Schofield's book depends on nice color photographs and simple line drawings of details,

along with text descriptions, to describe and discriminate among about 240 species, but also includes a set of dichotomous keys to clue readers into the right part of the book for an unknown. A glossary of technical terms is also included. Plants are arranged by flower color and by blooming time within each color group. The descriptions are easy-to-read paragraphs with complete sentences, and the habitat information is quite accurate. Unfortunately, the distributions are not described by state, but rather in terms of parts of the regions such as thirds and fourths, so it can be tricky to decide if a given species really grows in the state a reader lives in. The nice introduction to the volume describes the vegetation and recent history of the region, as well as the book's organization and suggested driving routes for visitors of the region who want to see good wildflower displays. I thoroughly enjoyed looking through this book and recommend it for any plant lover's bookshelf.

## PRESERVE GUIDE

*Discover Natural Missouri: A Guide to Exploring The Nature Conservancy Preserves*, a 212-page softbound book with black-and-white photos, maps, and drawings is available from The Nature Conservancy Missouri Chapter, 2800 S. Brentwood Blvd., St. Louis, MO 63144, 314-968-1105 for \$12.95 plus \$1.50 postage and handling. It is also at the Garden Gate Shop at the Missouri Botanical Garden or can be obtained from Waldenbooks or B. Dalton Bookseller.

## THIS AND THAT

### PATCHES AND DECALS

MONPS decals (\$1.50) and patches (\$0.75) are still available. Contact Pat Grace (address and phone on last page) to arrange payment and delivery.

### BACK ISSUES OF MISSOURIENSIS

Photocopies of back issues of *Missouriensis* are now available for \$1 per copy. Send request specifying which issues you would like to Kay Yatskievych (address on last page).

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(Chapter dues additional)

Student .....	\$5.00
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**CHAPTER DUES**

Columbia .....	\$6.00
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Springfield .....	\$5.00

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