

SEPTEMBER - OCTOBER 1995

VOL. 10, NO. 5

MISSOURI NATIVE PLANT SOCIETY

SEPTEMBER

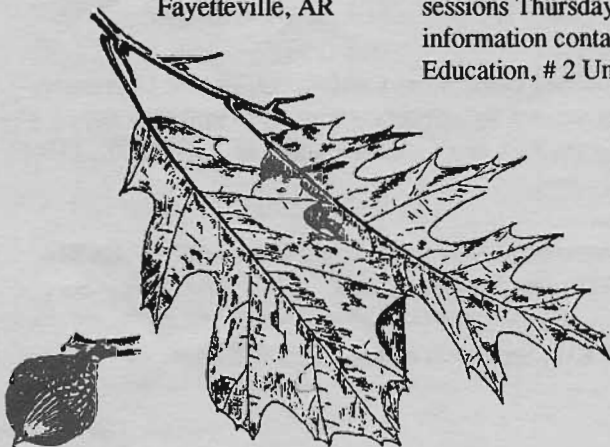
- 9** Sat., 10:00 AM Jefferson City **Nature Walk** led by MONPS members at Runge Conservation Nature Center.
-
- 11** Mon., 7:00 PM Columbia **What kind of Grass is That?** program presented by Paul McKenzie, from the U.S. Fish and Wildlife Service. Paul will discuss major field marks necessary in the identification of grasses.. Monthly meeting at the Midwest Science Center, 4200 Hew Haven Rd.
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- 12** Tue., 7:00 PM Jefferson City **Monthly Meeting** Guest speaker to be announced. Held at Runge Conservation Nature Center.
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- 16** Sat., 9:00 AM Kansas City **River Inventory** in a Jackson County Park. For more information, contact Eric Liskey (816) 822-8660.
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- 16-17** Sat.-Sun., 10-5 PM Columbia **Boone County Heritage Festival.** Our Chapter will have a booth and will need volunteers to help both days.
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- 20** Wed., 7:00 PM Kansas City **Meeting.** This will be a business meeting, and we will be showing videos from the Missouri Department of Conservation. Held at Loose Park Garden Center.
-
- 23** Sat., 9:00 AM Kansas City **Field Trip to Squaw Creek** in the Loess Mounds. Meet at the Venture parking lot on Vivian Rd. & I-29. For more information call Eric Liskey (816) 822-8660.
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- 23-24** Sat.-Sun. St. Louis **Grass Identification Workshop** given by Paul McKenzie, from the U.S. Fish and Wildlife Service. Saturday will be held in a lab, and you are asked to bring grass specimens to study. Sunday we will have field trips to Tucker Prairie and Graham Cave State Park to put what we learned to work. Reservations are required for the lab. Call Mary Smidt 314) 227-6127 (h) for reservations and information on where to meet .
-
- 26-29** Tue.-Fri. Springfield **Midwest Oak Savanna and Woodland Ecosystems Conference.** Held at University Plaza Hotel, Springfield, MO. Registration \$65.00 before Sept. 1, \$85.00 after Sept 1. For more information contact Carl Houser, P.O. Box 180, Jefferson City, MO 65102, (314) 751-4115. (MONPS is a sponsor.)
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- 27** Wed., 7:30 PM St. Louis **Fult's Hill Prairie** program presented by Sharon Cline on her thesis project. Monthly meeting at the Missouri Botanical Garden, Ridgway Center. *quit Bacon*
- *Native uses for Milkweed*
- 30-1** Sat.-Sun. **FALL MEETING and FIELD TRIP.** See article on page 3 for details.

continued on next page

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OCTOBER

- 3** Tue., 7:00 PM
Jefferson City **Incredible Edibles** program presented by Ethel Hickey on nature's delightful array of wild fruits and vegetables. Along with information on plant identification and useful references, she will prepare a dish and give us the opportunity to sample some wild edibles. Monthly meeting at Runge Conservation Nature Center.
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- 5** **DUE DATE FOR MATERIAL FOR NOVEMBER-DECEMBER *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.
-
- 6-7** Fri.-Sat.
St. Louis **42nd Annual Systematics Symposium.** held at the Missouri Botanical Garden. For registration write to Systematics Symposium, Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166 or call (314) 577-5100.
-
- 9** Mon. 7 PM
Columbia **Building Your Own Herbarium** program presented by Robin Kennedy, Associate Professor at UMC. Learn how to protect and preserve your plant specimens. Monthly meeting at the Museum Support Center, Rock Quarry Road at Hinkson Creek.
-
- 11** Wed., 7:30 PM
St. Louis **WGSS Botany Group Meeting** program presented by Fr. James Sullivan. Subject to be announced. At Powder Valley Conservation Nature Center.
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- 13** Fri., 5:30 PM
Kansas City **Field Trip to Linda Hall Library-KCMO.** This is the last of three visits. Park outside the gates at 5109 Cherry and meet near the front gate. For more information call Eric Liskey (816) 822-8660.
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- 14** Sat., 10:00 AM
Jefferson City **Nature Walk** led by MONPS member at Runge Conservation Nature Center.
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- 20** Fri., 8:30-2:00 PM
St. Louis **World Ecology Day: Environmental Justice: Pollution, Poverty & Politics.** Held at the University of Missouri-St. Louis, J.C. Penney Building.
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- 22** Sun., 1:00 PM
Kansas City **Pot Luck Dinner** at the Martha Lafitte Thompson Nature Sanctuary in Liberty. For more call Eric Liskey (816) 822-8660.
-
- 25** Wed., 7:30 PM
St. Louis **Annual Members Show-and-Tell.** Show us where you've been or what you've done this year. Ten slides max. Powder Valley Nature Center. **Note change of meeting place. This is a one time only change.**
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- 25-28** Wed.-Sat.
Fayetteville, AR **Natural Areas Conference** held in Fayetteville, Arkansas. There will be technical sessions Thursday & Saturday with field trips on Friday. For registration and program information contact Shellie Melson, University of Arkansas, Division of Continuing Education, # 2 University Center, Fayetteville, AR 7270.



In Memory

Roman Z. Kuchner, St. Louis, died unexpectedly on August 8, 1995. He was a long time Missouri Native Plant Society member.

1995 Fall Board Meeting

SEPTEMBER 30 - OCTOBER 1

MONPS Plans a So'wester II

The next regular quarterly meeting of the MONPS is scheduled to happen in and around the Springfield, MO vicinity. With the assistance and special area knowledge of Dr. Wally Weber, an interesting weekend is in store for all members and friends who wish to attend. Wally has scheduled facilities for Friday evening and for Sunday morning's BoD meeting. And he has suggested a field trip to a prairie for native plant & wildflower study/appreciation on Saturday.

On Friday evening we are in for a treat. C. F. Eaglesfield from the Osage Plains Chapter, will present a program on Washington State Wildflowers. This will be held at 7:30 PM,

Room 143, Temple Hall, SMSU. A parking lot is at the northeast corner of Grand Street and John Q. Hammons Parkway. Temple Hall is on the north side of the parking lot. The BoD meeting will also be held at Temple Hall on Sunday morning at 8:30 AM.

The gathering place for the field trip on Saturday morning at 9:00 AM is on the northwest corner of I-44 and Hwy 13 (exit 77) on the east side of the Walmart parking lot. Join us and participate in activities specifically planned to be of mutual interest.



ITINERARY

Sept. 29, Fri.	7:30 PM	Washington State Wildflowers program presented by C. F. Eaglesfield from the Osage Plains Chapter. Held in room 143, Temple Hall, USMU. See directions above & map below.
Sept. 30, Sat.	9:00 AM	Field Trip. Meet at Walmart (I-44 & Hwy 13) on the East side of the parking lot.
	Evening	Dinner on your own.
Oct. 1, Sun	8:30 AM	MONPS FALL BOARD MEETING. Meet in room 143, Temple Hall, USMU. See directions above & map below.

Lodging:

- SUPER 8 1-800-800-8000
3022 N. Kentwood, exit 80B
- 1 person, 1 bed \$42.19 + tax
- 2 people, 2 beds \$48.49 + tax
- 2 people, 2 beds \$52.09 + tax

These are discounted prices for MONPS members. A block of rooms will be held until September 22nd. Mention the Missouri Native Plant Society for the discount.

- BEST WESTERN COACH HOUSE INN 1-800-528-1234
2535 N. Glenstone, exit 80A
- 1 person \$50.00-\$60.00
- 2 people \$55.00-\$65.00

- INTERSTATE INN
1116 W. Norton Road (417) 833-1550

- MOTEL 6
3114 N. Kentwood or (417) 833-0880
2455 N. Glenstone (417) 869-4343

Camping:

- KOA
Exit 70 eastbound, or 72 westbound
- 75 trailer sites
- 22 tent sites
- Price range \$13.95-\$22.95



Annual Awards Announced

The Missouri Native Plant Society (MONPS) annual awards were announced by George Yatskievych at the June 1995 Annual Meeting. The actual presentation of the awards will be held in separate ceremonies. The award is a wood plaque in the shape of Missouri with a label on which is engraved the recipient's name, award and statement of contribution.

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

Sybill Amelon, wildlife biologist with the U.S. Forest Service, was the 1995 recipient of the MONPS's Stewardship Award. She was selected for this award in recognition of her leadership role in implementing the innovative Ecosystem Management Project now being conducted in the U.S. Forest Service's Houston/Rolla District. This is an experiment in land management for native plant and animal integrity and diversity on eight tracts of upland Ozark savanna typical of a vast area of southern Missouri. The tracts are being managed with several varying fire regimes. The program is designed to compare ecosystem response, to the extent possible, floristic communities of pre-settlement times with those of current and post-project management activities. Small mammals, birds and herptiles are also being monitored. MONPS wishes to recognize this project as an important step in the direction of learning how to manage our public lands in a manner consistent with the goal of protecting the widest possible range of their native diversity and integrity.

Bill Davit, a 26-year veteran of the Missouri Botanical Garden (MBG), was the 1995 recipient of the Erna R. Eisendrath Memorial Education Award. He joined the staff in 1969 and worked as a research technician with the biophysical ecology research program. Bill is probably most widely-known for his work in developing the Arboretum's 78-acre Experimental Prairie. This effort has enabled thousands of visitors to enjoy the beauty and biological diversity of the prairie ecosystem. Bill is currently the Prairie Restoration Specialist at the Litzsinger Road Ecology Center, which is located in St. Louis County and managed by MBG. In addition to reestablishing native species to the Center's ten-acre prairie, Bill is working to restore native plants to the Center's woodland and creek floodplain areas. He gives guidance to the many schoolchildren, educators, and graduate students who visit and use the site for educational purposes. In addition, Bill readily gives advice on native plant restoration to the many private landowners and groups throughout Missouri and the Midwest who call upon his expertise. He is a self-taught botanist and ecologist. Today Bill continues to work out-of-doors and share his love and knowledge of it with others. As succinctly noted by George Yatskievych at the presentation ceremony, Bill is so widely appreciated because he "plants what he preaches."

Richard Guyette, Research Assistant Professor at the University of Missouri, was chosen as the 1995 recipient of the Art Christ Research Award. He is recognized for his published dendrological research into the fire histories of two classic southwestern Missouri natural communities, (1) a dolomite glade system in the Ava U.S. Forest Service District and (2) the post oak savanna complex at the Caney Mountain Wildlife Refuge owned by the Missouri Department of Conservation. His work at these sites has provided the physical evidence from still standing trees regarding the minimal frequency of fire as it has changed over the past 300 years, information which otherwise would be only imperfectly inferable from scattered sparse historical documents. The Missouri Native Plant Society wishes to recognize the importance of this research in furthering our knowledge and understanding of the physical environmental factors that affect our biological heritage.



Quarterly Board Meeting Highlights June 24, 1995

President Stephen L. Timme and 16 board members met at the Carriage House Restaurant, in Chillicothe, MO.

Treasurer's report, by Jody Eberly, indicated a balance of \$9,114.34 for a decrease of \$267.27 for the fiscal year.

Committee Reports

Archives: Jim Bogler reminded members to submit MONPS records to the archives.

Missouriensis: George Yatskievych requested more articles be submitted.

Petal Pusher: Pat Harris requested articles and line drawings from the membership. After multiple alerts to subscribers, the mailing list has been purged. It dropped from 498 labels for the last mailing to 325 labels for the current mailing.

Membership: Pat Grace introduced Marlene Miller, the President of the latest addition to MONPS, the Osage Plains Chapter. This is comprised of members in the Clinton, MO vicinity.

Atlas of Missouri Vascular Plants: Wally Weber presented a status report (the atlas is ready for publication), options, and his recommendations on how to effectively proceed to a successful publication of the *Atlas*. Extended and vigorous discussion among board members reflected the strong interest in MONPS resolving its commitment and moving the project along to conclusion. It was agreed that the scope of detailed and specialized information required to reach a prudent and sound consensus was beyond what was immediately available to the BoD. It was moved, seconded and carried (MSC) to appoint a

special ad-hoc committee of five members (Wally Weber, Steve Timme, George Yatskievych and Jack Harris. Karen Haller will also be asked). This committee is charged with developing a comprehensive and complete proposal to be presented to the board of directors.

Book Sales: Steve Timme reported there has been a profit of \$10.37 on sales so far. He will remain as Book Representative for the time being.

Old Business

Federal Native Plant Conservation Committee (FNPCC): In response to an inquiry by the FNPCC, MONPS has responded that it is interested in becoming a Cooperator affiliate. Members will be kept advised of activities through notices in the *Petal Pusher*.

Exotic Pest Plant Councils (EPPC): Jack Harris said he had responded to a request for MONPS affiliation with EPPC and has received a response. Faith Campbell sent a preliminary list of exotics that are potential problem species across the nation and requested a mark-up review, additions, corrections, etc. (See July-August *Petal Pusher*; pp. 7 for more info.)

Midwest Oak Savanna & Woodland Ecosystem Conference (OSC): Lynda Richards stated the registration packet should be in the mail. MONPS is a sponsor and will have a booth and can sell MONPS items there. The booth must be manned on Tue Oct. 6, from 7-10 PM and on Wed, Oct. 7, from 7 AM-10 PM. Thur. and Fri. are optional. Volunteers are needed to help. MONPS will receive 4 complimentary tickets for those manning the booths.

T-Shirts @ OSC: Steve Timme reported that MONPS has been assigned responsibility for supplying OSC T-shirts. Requirements include the specified OSC graphic, the name & date of the Conf., and related optional logos. George Yatskievych offered to assist in design development. Steve estimated that the cost of getting them made would probably be about \$8.00 each. Proposed retail would be about \$15.00. It was concluded that at least 250 shirts would be needed. It was (MSC) to support the program. George Yatskievych added that new fund raising efforts should be initiated to help compensate for resources that will be invested in the OSC project.

MONPS Badge Program: Jim Bogler stated that there haven't been any submissions. Pat Harris said there are only 500-600 brochures left. George Yatskievych suggested John Molyneaux should be contacted to see if the Boy Scouts could use the program.

Joint Meetings: Larry Morrison reported the joint meeting with Illinois will be in Cape Girardeau the first weekend in June. (June 1 & 2) MONPS is responsible for a field trip in MO and a place for the Annual Dinner and rooms for both groups to meet after the dinner. Also accommodation information. Steve Timme said he had not heard anything from Arkansas.

Review of Bylaws: Sue Hollis stated the committee wanted to go over two items: 1) Paying dues directly to the

State Treasurer instead of to the Chapter Treasurers; 2) What to do when a Chapter is defunct. Jack Harris suggested that awards should be mentioned in the Bylaws.

Native Plant Coalition (NPC): MONPS will respond to the inquiry of the formative NPC and indicate that we are interested in participating in the planning, organizing and development activities to the extent that our resources permit.

New Business

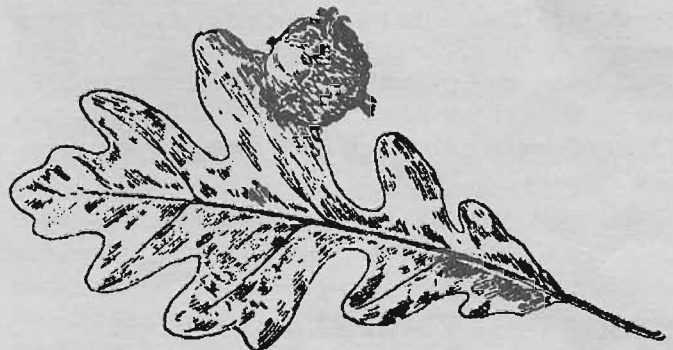
Systematics Symposium: Jack Harris reported it will be held Oct. 6-7, 1995 at the Missouri Botanical Garden, St. Louis. MONPS will plan to manage a booth.

Eastern Native Plant Alliance (ENPA): Jack Harris reported we had received a request for MONPS to renew its membership in ENPA. The benefits of such membership were briefly discussed and it was (MSC) to renew. John Oliver volunteered to be the ENPA representative.

Membership Brochures: Pat Harris stated we have only about 300 brochures left. It was (MSC) to have 1000 membership brochures printed.

Appointment of Committees by Incoming President: Larry Morrison announced that since he had received no written resignations he presumed all Committee Chairs wanted to continue. No objections being noted, all appointments were thus confirmed.

New Board Member: Larry Morrison gave Steve Timme his written resignation from the Board. It was (MSC) that Larry Houf be appointed to fill the remaining one (1) year term of the vacant position.



The Biggest and the Best of MO?

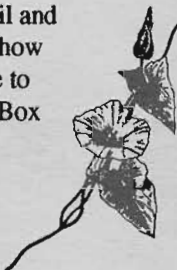
The Missouri Department of Conservation has an updated list of Missouri Champion Trees. If your list is dated prior to 18 May 1995, you may wish to obtain a copy of the latest edition. The Department also has a brochure that describes the program, how trees are measured and a nomination form. Fill out the form and send it in if you think that you have found a candidate that can top the current champ. For a copy write to Missouri Department of Conservation, Champion Tree Coordinator, P.O. Box 180, Jefferson City, MO, 65102-0180.

Initiative Petition Campaign for State Parks and Soil & Water Conservation.

by Jack H. Harris

The Citizens Committee for Soil & Water Conservation and State Parks (CCSW&SP), a consortium of organizations and individuals concerned about the maintenance and viability of our State Parks, Historic Sites and the soil erosion/water quality conditions of our farm lands has started an initiative petition campaign. This campaign would place before the voters, for their approval or rejection, a constitutional amendment that would continue the 1/10th of one percent (0.1%) sales tax, similar to its present form, for ten more years. This revenue is divided 50% for State Parks and Historic Sites and 50% for remedial programs that reduce soil erosion and improve related water quality. Missouri, a national leader in soil loss in recent years, is now a leader in rate of loss reduction. And the state is endowed with one of the best State Park and Historic Site systems in the nation. Only very minor revenues are derived from other sources in support of these two systems. The CCSW&SP was prompted to take the initiative action route because the State legislature failed to adopt enabling legislation in the last session. Even after the State House passed a satisfactory bill, the bill died in the State Senate on the last day because of the active opposition of one Senator.

In order to meet the requirements for placing a constitutional amendment proposal on the ballot in 1996, over 170,000 signatures must be collected from across the state. The CCSW&SP seeks the support and assistance of all who value our excellent State Parks/Historic Sites and the Soil and Water conservation programs. For more information on how you can help call Jack Harris at (314) 894-9021 or write to Citizens Committee for Soil, Water & State Parks, P.O. Box 658, Jefferson City, MO 65102.



Exotic Pest Plant List Updated

by Jack H. Harris

In response to an inquiry by the National Coalition of Exotic Pest Plant Councils (see *Petal Pusher* Vol. 10 No. 4) the MONPS indicated that we would agree to participate in developing a list of plant species which threaten to become invaders of natural areas. Faith Campbell, Government Liaison for the Councils, recently sent a working copy of the list for our review and markup. Copies of the list were distributed to various members upon request. The following is an extract of the species list that is pertinent to Missouri, with modifications, as added by Tim Smith, Botanist, Missouri Department of Conservation. If you have comments or additions to the list please forward to Faith Campbell or to the Environment/ Education Committee.

HERBACEOUS

<i>Achillea millefolium</i>	common yarrow
<i>v. millefolium</i>	garlic mustard
<i>Alliaria petiolata</i>	musk thistle
<i>Carduus nutans</i>	Canada thistle
<i>Cirsium arvense</i>	bull thistle
<i>Cirsium vulgare</i>	Queen Anne's lace
<i>Daucus carota</i>	common teasel
<i>Dipsacus fullonum</i>	cut-leaf teasel
<i>Dipsacus laciniatus</i>	leafy spurge
<i>Euphorbia esula</i>	common St. John's-wort
<i>Hypericum perforatum</i>	Chinese lespedeza
<i>Lespedeza cuneata</i>	ox-eye daisy
<i>Leucanthemum vulgare</i>	birdsfoot trefoil
<i>Lotus corniculatus</i>	moneywort
<i>Lysimachia nummularia</i>	purple loosestrife
<i>Lythrum salicaria</i>	common loosestrife
<i>Lythrum vulgaris</i>	white sweet clover
<i>Melilotus alba</i>	yellow sweet clover
<i>Melilotus officinale</i>	Scotch thistle
<i>Onopordum acanthium</i>	beefsteak mint
<i>Perilla frutescens</i>	crown vetch
<i>Securigera varia</i>	flannel-leaved mullein
<i>Verbascum thapsus</i>	



GRASSES

<i>Bromus inermis</i>	smooth brome
<i>Bromus sterilis</i>	poverty brome
<i>Festuca arundinacea</i>	tall fescue, K31 fescue
<i>Phalaris arundinacea</i>	reed canary grass
<i>Poa pratensis</i>	Kentucky bluegrass
<i>Sorghum halepense</i>	Johnson grass

VINES

<i>Celastrus orbiculatus</i>	oriental bittersweet
<i>Convolvulus arvensis</i>	field bindweed
<i>Dioscorea batatas</i>	Chinese yam
<i>Euonymus fortunei</i>	winter creeper
<i>Lonicera japonica</i>	Japanese honeysuckle
<i>Pueraria lobata</i>	kudzu

SHURBS

<i>Berberis thunbergii</i>	Japanese barberry
<i>Elaeagnus umbellata</i>	autumn olive
<i>Euonymus alatus</i>	winged euonymus
<i>Lonicera maackii</i>	Amur honeysuckle
<i>Lonicera morrowii</i>	Morrow's honeysuckle
<i>Rhamnus cathartica</i>	common buckthorn
<i>Rosa multiflora</i>	multiflora rose

TREES

<i>Maclura pomifera</i>	Osage orange
<i>Prunus mahaleb</i>	perfumed cherry
<i>Robinia pseudo-acacia</i>	black locust

Annual Meeting, Awards & Officers

The Annual Meeting was held on June 24, 1995 at Royal Inn Pizza, in Chillicothe, MO. Twenty-four members and friends attended from six of our eight chapters.

President Stephen L. Timme called the meeting to order and thanked everyone for their help over the last two years.

The treasury balance as of June 23, 1995 was \$9,114.34.

On behalf of MONPS George Yatskievych, chairman of the Awards Committee, announced that the committee had decided to make three awards for 1995 as follows: (See article on page 4.)

The Arthur Christ Research Award to Richard Guyette.

The Erna R. Eisendrath Education Award to Bill Davit.

The Plant Stewardship Award to Sybill Amelon.

Steve introduced the new officers for the upcoming year:

President – Larry Morrison

Vice President – Jim Bogler

Secretary – Wim Switzer (not present)

Treasurer – Jack Harris

Board Member – Jody Eberly

Board Member – Bruce Schuette

Marlene Miller, president of our newest Chapter, the Osage Plains, was introduced and welcomed.

A brief summary report was made by each Committee Chair and Chapter Representative present.

Welcome to New Members

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

Dean Brake, St. Louis

Joyce Duncan, Pacific

Christine Kuefel, Columbia

Judith Lambayan, Jefferson City

Hillary Loring, Jefferson City

Linda S. Marg, Eldon

Hermann Nonnenmacher, St. Louis

Thomas Prinzie, St. Louis

Betty Struckhoff, Des Peres



Letters

Thanks so much to the MONPS Board, friends, and guests for their warm welcome at the Annual Meeting and Field Trip. I felt very much at home and had a wonderful time. Thank you also for the welcome and enthusiasm shown toward our new Osage Plains Chapter. I look forward to many more field trips and friendly associations.

Marlene Miller, President
Osage Plains Chapter, MONPS

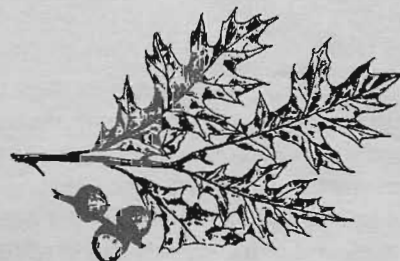
MONPS Field Trips—June 24, 1995

by Lynda Richards

Pershing State Park has the largest remaining river-bottom prairie in Missouri, but it was mostly underwater from May and June rains. After a few moments of speculation on mosquito activity, and energetic applications of bug spray, most opted for the boardwalk nature trail. Crossing an old bridge over Locust Creek, we entered the bottomland hardwood forest of pin oak, silver maple, black walnut, and cottonwood, many trees supporting spectacular growths of poison ivy. Wood nettle (*Laportea canadensis*), jewelweed (*Impatiens* sp.), honewort (*Cryptotaenia canadensis*), and purple rocket (*Iodanthus pinnatifidus*) were common on the wet alluvial soil. Kingfishers and northern parula warblers were noted, as well as evidence of deer, raccoon, and crayfish. Caleb Timme spotted all the frogs and pointed them out to interested parties.

The boardwalk leads out into the edge of Locust Creek Prairie, a sea of cordgrass (*Spartina pectinata*), water smartweed (*Polygonum coccineum*), river bulrush (*Scirpus fluviatilis*), and other sedges, grasses, and herbs. Southern blue flag (*Iris virginica*) Ohio spiderwort (*Tradescantia ohioensis*), and water parsnip (*Sium suave*) were seen from the boardwalk. Ralph returned from a foray with samples of spike rush (*Eleocharis* sp.) and the impressive *Carex lurida*. Paul McKenzie, meanwhile, had *Carex arkansana*, rare in Missouri, at Long Lake. Returning through the hardwood forest, we found riverbank grape (*Vitis riparia*) growing on the bank of Locust Creek.

Helton Prairie Natural Area, a 30-acre portion of the Wayne Helton Memorial Wildlife Area, was the afternoon destination. Steve and Caleb, first on the scene, braved a torrential rainstorm to scout out several dozen western prairie fringed orchids (*Platanthera praeclara*). One of the rarest orchids in Missouri, it was not known to occur here until after a burn regime was restored to the Natural Area. Mead's milkweed (*Asclepias meadii*), known only from a few widely scattered localities in the state, was in full bloom. Plants are not self-fertile; they are being hand pollinated with pollen from another population, to stimulate seed production. Bunchflowers (*Melanthium virginicum*) towered over most of the other plants; eastern gama grass (*Tripsacum dactyloides*) was in bloom among the other prairie grasses. Altogether, over 200 prairie species have been identified here. Dicksissel, bobolink, common yellowthroat, red-winged blackbird, cowbird and the upland sandpiper were using the area.



MONPS Adopts Policy on Fund Raising Guidelines

by Jack H. Harris

At the BoD meeting of 23 April 1995 the Draft proposal entitled *MONPS Fund Raising Guidelines* was adopted as the official policy of the Society. The draft had previously been circulated to all Chapters and interested members for review and comment. The policy is printed here for the information of all members of the Society. If there are any comments or recommendations for improvements please call or write to the Society Treasurer (see back page).



1.0 The Society, the Chapters and Ad-hoc Committees or Task Forces may from time to time undertake fund raising projects for the purpose of enhancing the financial health of the Society, its component parts, or for other specific operational objectives. In this regard they may design, fabricate, collect, commission, contract, purchase or otherwise obtain various quantities of items that are believed to be marketable and can be sold to Society members and the public at prices that will result in achieving the stated financial goals.

2.0 **Unit base cost calculation.** The determination of the **unit base cost** per item will normally include (1) planning and design expenses; (2) expenses incurred (actual and estimated, e.g., travel, etc.) and claimed by any MONPS members necessary to the success of the program; (3) administrative costs – mail, phone, FAX, etc., directly attributable to the project; (4) actual material cost of the items. These costs will normally be aggregated and distributed over the total number of items to be produced.

$$\text{unit base cost (ubc)} = \text{sum of all costs} / \text{total units}$$

It will be the responsibility of the initiating party(s) to determine the unit base cost for each project.

3.0 **Base selling price.** The organization entity (Society, or Chapter, or Task Force, etc.) that initiates and funds the project will also determine a minimum incremental profit or acceptable unit selling price that will result in a reasonable financial return and that meets the purposes and objectives of the fund raising project.

$$\text{base selling price (bsp)} = \text{unit base cost} + \text{required profit per item}$$

4.0 All MONPS members who participate in fund raising activities involving selling of items purchased by the Society are responsible to determine that unit charges are **set to at least equal the base selling price**. Prices may be set at higher levels at the discretion of those conducting each separate sales operation, providing that the increase is not excessive to the extent that they would discourage the intended customers.

4.1 In the event that a fund raising campaign runs its course and there are unsold items remaining, the initiating entity may determine that a cost reduction per unit item would be in the best interest of the Society. The initiating entity should then set an arbitrary clearance price per item (if any) that it desires to receive as a minimum and so advise all

members involved in the campaign. Allocations of the proceeds of such sales shall be negotiated and agreed upon by initiating entity and the parties involved.

5.0 Allocation of proceeds among the initiating, investing marketing parties.

5.1 The organization entity (Society, Chapter, Committee, etc.) that designs, provides investment/venture capital for original purchase, manufacture, etc., will be designated the cost center for each such fund raising project. Whenever the fund raising campaign is extended to more than one group in the Society for purposes of increasing sales outlets, opportunities, etc., those who provide assistance and sales will insure that the amount of the **base selling price (bsp)** for each item sold is returned to the initiating cost center until the goals of the fund raising campaign have been achieved.

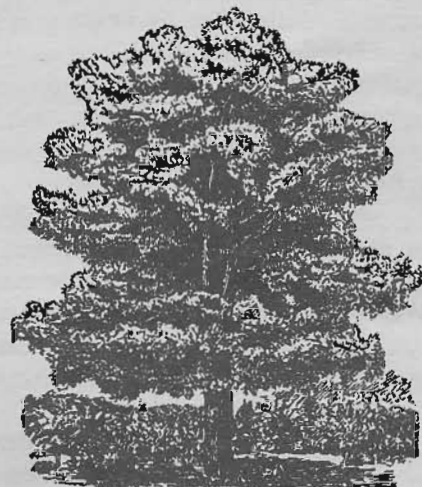
5.2 Fund raising revenue above and beyond the amount of the **bsp** may be retained by the selling activity provided the proceeds are used for MONPS purposes as specifically defined by the Society Board of Directors (BoD), a Chapter BoD, or a formally designated Committee or Task Force.

5.3 In the event a fund-raising campaign is Society wide or is undertaken by collaboration of more than one entity, an apportionment of the required profit per item (described in 3.0 above) among participating parties may be defined by the campaign managers at the design period of the campaign. Unless otherwise stated by the campaign managers, such apportionment shall be 50% to the sellers, and 50% to the initiators.

6.0 Information dissemination, Coordination and Synchronization.

6.1 The fund raising campaign initiators or managers are responsible to distribute documentation that will make clear to all who wish to participate in the campaign the goals, selling prices, and intended profit distribution agreements. This will normally be done through announcements in the *PETAL PUSHER*, CHAPTER NEWSLETTER, or other means as appropriate.

7.0 The above guidelines are to be adhered to by all members of MONPS unless specific exemption is granted by the Society or Chapter BoD, initiating committee, or task force.





The
Missouri Native Plant Society
 will be at the
Midwest Oak Savanna
 and
Woodlands Ecosystems Conference
WHERE WILL YOU BE?

by Jack H. Harris

As a sponsor of this conference MONPS has the opportunity to operate an exhibit booth on Tuesday, September 26, from 6 PM -10 PM and on Wednesday, September 27, from 7 AM-10 PM. The Society will be able to display its message, hand out brochures, etc., to the expected several hundred conference participants. We will also be able to sell a special one time, conference edition T-shirt, bandannas, and other wares that are designed to enhance the awareness and appreciation of native plants. All proceeds from the booth operations go directly to support the goals of the Society.

Your help will be especially important. We will need several volunteers to divide up the time among as many helping hands as possible. If you are attending the conference please try to schedule an hour or so (during the times noted above) to help manage the booth. Or if you are in the area, but do not plan to register, perhaps you could find time to stop by awhile to help out at the booth. If you know before the conference that you can help out for any specific amount of time contact Jack Harris at 314-894-9021; or stop by the exhibit area any time during the conference and sign up for a specific time. There will be a customized sign-up sheet available at the MONPS booth. This will also be a time for MONPS members to meet and socialize with many friends and professionals from around the region and nation. And there may be a very limited number of complimentary registration tickets for booth operators.

The conference is offering an impressive array of technical papers, exhibits, banquet (speaker: Dr. Reed Noss, Oregon State University on the subject of "Endangered Ecosystems and Recovery"), and workshops/field trips. The keynote speaker is Stephen Pyne, author of *Fire in America*. Several members of MONPS are actively participating in the proceedings.

Registration is \$65.00 on or before September 1, 1995, \$85.00 after September 1, 1995. You can select any one of the 5 workshops on Thursday, for a fee of \$12.00, which includes bus travel and lunch.

For registration or program information contact: Dr. Ernie P. Wiggers, School of Natural Resources, 112 Stephens Hall, University of Missouri, Columbia, MO, 65211; or 314-882-9423 phone/ 314-884-5070 fax.

See you at the conference!



Publications of Interest

by Jack H. Harris

TALLGRASS PRAIRIE WILDFLOWERS

Text by Doug Ladd, Photos by Frank Oberle and others. 262 pp. 1995 by the Nature Conservancy and Falcon Press Publishing Co. Soft cover @ \$19.95. A new traveling companion for those who sense they would feel more welcome and appreciative of the native midwest prairie if they only knew the inhabitants a little better. After a prairie orientation and introduction, there are 295 plants subjected to the combined photo and text treatment of the authors. A reasonable sample for the most discriminating visitor. Sparkling photos on every page grab the eye with brilliant, sometimes startling, colors. Organized by color. Even a dash of grasses, sedges and rushes are tossed in for flavor. Accompanying narrative is at once concise, polished, entertaining and instructional for the public. The modern mobile, time rationed visitor to the prairie will appreciate the brevity of the physical description of the plant, its habitat and geographical range, special comments and flowering time. Also stashed in this compact volume are a glossary, a directory (where to find the prairies), list of readings and an index. Now we can all visit the prairie and greet the more colorful occupants by name. A quality publication at a bargain price.

MISSOURI CONSERVATION ATLAS: A Guide to Exploring Your Conservation Lands, published by the Conservation Commission of the State of Missouri, Missouri Department of Conservation; Charlotte Overby, Editor, 264 pp., 1995. All who wish to visit one or all of the 900 thousand acres of land recreation areas, river and lake access areas, owned or leased by the Missouri Department of Conservation (MDC) will find a road map to every area, all under one cover, in this atlas. State park and federal land areas are also annotated. This is a long needed reference for outdoor enthusiasts interested in hunting, fishing, boating, birding, nature study, wildlife appreciation, etc. It is a high quality product, clearly indexed and based on the county road maps, one for each of the 114 counties in the state. A concise description of each recreation area resource is given in the margin areas of each map. The atlas size pages (11 x 15 inches) are wire ring bound so they lie flat for convenient study. This document is destined to be a best seller in Missouri. \$15.00 plus shipping and handling. Available at Conservation Nature Centers, or MDC, P.O. Box 180, Jefferson City, MO, 65102-0180.



Chapter News

Hawthorn — The May program was presented by J.C. Bryant, refuge manager, on the Fish and Wildlife Service's newest refuge — The Big Muddy. The meeting was held at the home of member Marge McDermott, overlooking the flooded bottom lands of the Big Muddy itself South of Boonville. The June meeting featured Doug Remington who shared his expertise on poisonous plants. He explained which plants can cause a rash, can make you sick or that can even kill you. Field trips included one in May to Powell Gardens in Kansas City and one to Paintbrush Prairie, where we joined members from Kansas City and the Osage Plains Chapters.

Jefferson City — At our May meeting, David Hammer, Associate Professor of Soil Science at UMC, gave a very interesting and thought provoking program titled "Relationships of Soil Landscapes to Distributions of Native Plants." Afterwards, officers were elected for '95-'96. They are:

President: Ann Grotjan
Vice President: Von Long
Secretary: Carol Young
Treasurer: Joan Domke

In July, a few of us floated a section of the Meramec River. Plants blooming along the water included buttonbush (*Cephalanthus occidentalis*) and perennial phlox (*Phlox paniculata*). Wildflower Walks at Runge Nature Center in June and July were well attended despite hot weather

Kansas City — This has been a very good spring for our Chapter. Our plant sale at the Powell Garden was a sellout in spite of the heavy rains both days. This is also probably our most successful educational project. People know we will be there and come just to ask questions about native plants. Of course, it helps that our large volunteer staff are very knowledgeable and enjoy that sort of work. We met with Hawthorn and Osage Plains Chapters at Paintbrush Prairie and then went on to a privately owned prairie on a sunny day in May. We went to Lamoni, IA to see the white ladyslipper orchid and a lot of other spring plants. This trip also included a short visit to Crowder State Park, which we plan to visit again. Our first trip of this year to the Linda Hall Library Arboretum was filled with tree identification and surprise by most that we have such a neat spot hidden right in the middle of the city. We will go back in July and in the fall to see the changes. In June we joined the Kansas Wildflower Society and Burroughs Audubon Society to see prairies of Miami County, KS. Later we went to the Flint Hills area in Central Kansas to see prairies, including the Z Bar Ranch, which is at the center of the heated controversy about a Tall Grass Prairie Park. We Plan to begin monthly evening meetings in September and will have other field trips, including Taborville Prairie. We have been very happy to have several of our new members on



our field trips and several old members have become more active. Our President and Field Trip Planner are both energetic people who get things done.

Osage Plains (Henry County) — We are the baby chapter, just able to walk and also having a few "teething" problems. Reminds me of ten years ago when I was in on the ground floor of starting a chapter of the Washington Native Plant Society, WNPS, in the town of Mt. Vernon, WA (pop. 13,000). Everything started off with a bang but a year later we had no active officers and had to ask for volunteers. Some said we should disband. But we didn't and when I left WA last year, our Salal, *Gaultheria shallon*, Chapter had 70 members with about 30 very active. During that time, with help from members, I was able to prepare a collection of over 500 herbarium sheets which were deposited in an interpretive center of the WA State Dept. of Ecology.

We have some very fine members in our new chapter and we all appreciate your warm welcome. Chapter president, Marlene Miller, attended the Board meeting last quarter and when she returned all she could talk about for awhile was "how wonderful and loving and warm" the MONPS members were.

Osage Plains Chapter is only six months old but we have had three slide shows, two on local plants and one of plants of the Pacific northwest. We have a good area to work in and so far we have identified about 200 species, most of them photographed and a few collected. Areas we have visited in and around Henry Co. include the following prairies: Paintbrush, Friendly, Drover's Rockhill and Chapel View. Other areas include Poague WLA, Fewel WLA, Lichen Glade, Kaysinger Bluff (Warsaw), H.S. Truman State Park and Montrose Lake. Favorites among these are Rockhill, Chapel View and Lichen Glade. The latter has at least one species of *Vaccinium* and scads of the red-coated lichen popularly called "British Soldiers" *Cladonia sp.* The West section of Chapel View, in early spring, is almost a solid carpet of *Pedicularis canadensis*, with scattered contrasting spots of *Castilleja* and *Dodecatheon*.



We hope to provide a schedule of field trips for next spring and summer so that others may join us at times. We are anxious to find out what we can do in cooperation with the MONPS. Thanks to all of you for maintaining this organization. And special thanks to David Lindell, Agronomy Specialist with the University Extension for his invaluable help.

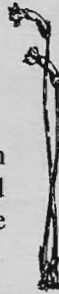
C.F. Eaglesfield

Ozark Showy — Two members won ribbons for artistic arrangements and horticulture exhibits in the Mountain View Garden Club Flower Show in June. Native plants were used in the arrangements. On June 3 members attended the Hamilton Wildflowers nursery open house. There were tours of the flower beds (all using natives) around the house, a savanna restoration, and the seed propagation fields. Two members

continued on page 11

will be leading one of the field trips for the Midwest Oak Savanna Conference in September. The trip will focus on management implications for savanna and glade restorations.

St. Louis — In March several of our members went on a field seminar on the genus *Carex* at the Arboretum. Gary Collins from Hillsboro, IL led the seminar. We held our (anybody's?) first-ever bicycle field trip on the bike trail at St. Joe State Park in early May. Overcast skies kept the *Nemastylis geminiflora* (prairie iris) closed, but we did see a number of spring wildflowers including *Orobancha uniflora* (one-flowered cancer-root). May also saw a continuation of the interest of our members in Creve Coeur County Park. Early in the month we visited the park on a joint field trip with the Sierra Club, and the topic of our May meeting was a report by Jim Bogler on his ongoing study of the dendrology of the park. There has been some preliminary, advisory discussion with Union Electric staff members regarding potential for development of native plant demonstration management areas in certain utility rights-of-way. There was a tour of areas U.E. is considering for this development.



Tidbits



ANOTHER TICK DISEASE

A 1994 Kansas State University Cooperative Extension Service report discusses a new tick-caused disease called granulocytic ehrlichiosis. The disease, which results in similar symptoms as Lyme disease, has been known since 1986, but only recently an increase in illness and fatalities has been observed in Minnesota and Wisconsin. If diagnosed properly, the disease can be successfully treated with antibiotics. A new name will need to be adopted before the media can make this disease as popular as Lyme disease. Indeed, a recent TV news report and newspaper article have used the name, HGE, apparently the H indicating human.

SMALL WHORLED POGONIA

The *Nature Conservancy* July/August 1995 Magazine reported that a 170 acre purchase at Mt. Teneriffe in New Hampshire has been completed, to protect one of the five most significant *Isotria medeoloides* sites in the world. The range of this Federally Threatened orchid extends south to Georgia and west to Illinois, but is listed as Extirpated in Missouri.

BEETLES MINI-SPLENDORED THINGS

Plant persons who also maintain an interest in beetles will enjoy this sidebar to the July 1995 *National Geographic's* lead story on the Congo rain forest by writer Doug Chadwick. A coleopterist (beetle expert) from Montana State University had asked the author to bring back some beetles, while tracking elephants and gorillas for the story. Mr. Chadwick used an aspirator to suck beetles from cracks in the ground, picked insects off his colleagues' meals and examined gorilla

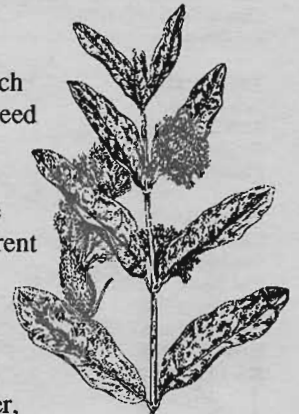
droppings for choice dung beetles. Results were thousands of insects representing hundreds of species, including at least a dozen new to science.

NEW USE FOR SEDGES

The rain forest article mentioned above pictures a gorilla wading through a water-filled clearing, cautiously approaching a lush patch of sedges. The picture is the first ever published of a lowland gorilla in water, illustrating the animal's desire for sedges, which serve as a starchy diet supplement. Biologists had previously thought gorillas avoided water.

INDIANA MILKWEEDS

MONPS member Kay Yatskievych authored the lead article, "The Milkweed Family in Indiana," in the *Indiana Native Plant and Wildflower Society News* Summer 1995 issue. The article gives interesting descriptions and current occurrences of Indiana's 14 *Asclepias*, two *Cynanchum* and two *Matelea* species. By way of contrast, *Catalogue of the Flora of Missouri*, 1990, by G. Yatskievych and J. Turner, lists 16 *asclepias*, one *Cynanchum*, three *Matelea* and one *Gonobolus* species in Missouri. The two states have 16 *Asclepiadaceae* in common.



MISSOURI CONNECTION IN RUSSIAN BOTANICAL INSTITUTE FUND-RAISING

Peter H. Raven and Nancy Morin of the Missouri Botanical Garden, St. Louis, were instrumental in raising \$1.125 million in an international, cooperative fund-raising effort to save the Komarov Botanical Institute in St. Petersburg, Russia, according to *BioScience*, Vol. 45 No. 7. The institute, which houses the third largest herbarium in the world and which includes a garden founded in 1714 by Peter the Great, had suffered deterioration of its physical structures and faced the loss of its botanical collections.

COMPUTER MANAGED MAIL ?

The MONPS treasurer was recently surprised to receive a very official looking envelope in the mail with a return address that proclaimed it was from the Social Security Administration. Enclosed was a letter that advised that the agency was happy to forward an application for a social security number. The twist was that the letter was addressed to the MISSOURI LADIES PLANT SOCIETY. Does this mean that the Society is interested in those plants that contain only pistillate flowers, or does this mean that only Ladies are welcome members??? The treasurer reportedly wouldn't touch that one with an extremely long stigma.



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SOCIETY DUES

(Chapter dues additional)
Student \$5.00
Regular \$9.00
Contributing \$20.00
Life \$200.00

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INSIDE THIS ISSUE

- Fall Board Meeting & Field Trips
- Annual Awards Announced
- Fund Raising Guidelines
- Oak Savanna Conference

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Vol. 10 #5
September - October 1995

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