JANUARY

10 Mon., 7 p.m. Columbia
   **Controlling Tall Fescue**, program by Betty Aulabaugh. Betty will share ways to control fescue without using herbicides and still establish native grasses and plants. Monthly meeting at the Conference Building, National Fisheries Contaminant Research Center, 4200 New Haven Road.

12 Wed., 7:30 p.m. St. Louis
   **WGNSS Botany Group Meeting**, “Images of 5 Day WGNSS Botany Trips Past.” Share your slides (10 - 20) of extended field trips to the far corners of the State and/or to adjacent states. Held at Powder Valley Conservation Nature Center.

19 Wed. Kansas City
   **Planning Meeting for 1994 Field Trips**. Anyone who would like to help plan field trips for 1994, call Daniel Rice (816) 461-0206 for meeting time and place.

26 Wed., 7:30 p.m. St. Louis
   **Missouri State Parks from a Natural History Perspective**, program by Mike Currier, Missouri Department of Natural Resources. Never before seen footage of Big Sugar Creek State Park in McDonald County. Monthly meeting at the Ridgway Center, Missouri Botanical Garden.

27 Thur., 7 p.m. Springfield
   **Growing Native Plants**, program by John Lower, horticulture specialist will give a talk on his own experiences with the growing of native plants. Monthly meeting at the Springfield Conservation Nature Center.

FEBRUARY

2-4 Wed.-Fri. Lake of the Ozarks

9 Wed., 7:30 p.m. St. Louis

10 DUE DATE FOR MATERIAL FOR MARCH–APRIL **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.

14 Mon., 7 p.m. Columbia
   **Propagating Native Plants From Seed**, program by Ann Wakeman. Ann will discuss the requirements for different native wildflowers. Monthly meeting at the Conference Building, National Fisheries Contaminant Research Center, 4200 New Haven Road.
**Monthly Meeting** at the Ridgway Center, Missouri Botanical Garden.
Program to be announced.

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**Wild Food Dinner.** For information on time and place contact Richard Datema
(417) 732–8693.

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**1994 MONPS Meetings**

Mark your calendars now. The quarterly MONPS Board meetings have been scheduled for 1994. Join your fellow plant enthusiasts for some exciting field trips in these areas.

April 16–17  The Cassville area in Southwest Missouri. See the March–April issue of the *Petal Pusher* for details.

June 25–26  Annual Board Meeting, St. Joseph area with possible field trips to the Loess Hills.

Sept. 24–25  Joplin area for a visit to the Prairies.

Dec. 3  Rolla, for an all day business meeting.

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**Chapter News**

**Hawthorn (Columbia)**—At year end, the Hawthorn Chapter had 70 members.

Speakers this year covered a variety of topics. We learned about woody vines, medicinal plants, water plants, gourds and a humongous fungus. Other speakers talked about establishing and maintaining perennials, asexual propagation methods, golf course plant reclamation and the history and future of green belts in Columbia.

Our chapter had booths at five events in and around Columbia. We also sponsored adult education classes on wildflower propagation and wreath making. Chapter members and guests made cedar wreaths for sale again this fall.

The biggest project for the year is the Trailside Wildflower Display Board. Columbia’s Hawthorn Chapter MONPS plans to dedicate a trailside display of wildflower photographs during Missouri Native Plant Week next June. The large (4 feet by almost 3 feet) two-sided sign will display beautiful color prints of native flowers found along the MKT Hiking and Biking Trail in Columbia. Although the Chapter is bearing considerable expense of this state of the art display, the Columbia Parks and Recreation Department is cooperating by allowing the sign at an access to the popular trail. The Department will be responsible for erecting the sign. Sally Fisher, former treasurer and active member of the Hawthorn Chapter, conceived the idea for this permanent display of photographs. “It seems appropriate that seed money for this project came from donations made in the memory of a local woman who loved nature and photography,” Sally said. “It took a lot of research to determine just what kind of sign would withstand weather and possible vandalism,” she added, “but all obstacles have been overcome and we are looking forward to having our display in place this spring.”

**Jefferson City**—Our monthly member-lead public wildflower walks at the Runge Conservation Nature Center continue with good attendance. These walks are listed in the Nature Center’s bimonthly publication.

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In October, Philip Roos presented a program on “Missouri Mushrooms” with slides plus numerous fresh and dried specimens. Our field trip was a mushroom foray at Rock Bridge State Park.

Our November meeting was presented by Ann Wabrow on making wreaths with natural materials. She held a Saturday workshop for those who wished to construct their own wreaths.

In December there will be a joint dinner meeting with the River Bluffs Audubon Society.

**Kansas City**—The Kansas City Chapter ended the year with three fall field trips. We re-visited Shawnee Mission Park prairie in Kansas to see the change in plant composition from that seen during our summer field trip. The following day, several members ventured to Ivan Boyd Prairie near Baldwin City, Kansas. Fall prairie plants were in full bloom. Our last field trip was to Maple Woods Environmental Center to view the spectacular sugar maple fall colors.

Our November meeting was presented by new member Eric Liskev. Ken had just defended his master’s thesis in California and was kind enough to give an abbreviated version to our group. His topic concerned the effects of disturbances on Rawson’s flaming trumpet, an endangered phlox species. The field work and research that goes into such study is fascinating. We congratulate Eric on his accomplishment!

Our next meeting will be 19 January 1994, at which time field trips for the new year will be discussed. If anyone is in the Kansas City area at that time and would like to attend, please call 816-461-0206 for meeting time and place.

**St. Louis**—The October program was a members’ slide show, to which several members contributed. The Chapter traditionally does not meet in November or December.

The Chapter’s Education Committee has been working on the Society’s Badge Program and on new brochures. Chapter elections will be early next year.

**Springfield**—In October, Louise Wienckowski presented a program on wreath making. Each person brought a basic grape vine wreath to which they applied native plant material for decoration. Each person present made a wreath.

Dr. Pam Borden presented a prairie wildflower slide program in November. She gave each person a handout describing 40 prairie wildflowers. The handout also described propagation methods for wildflowers.

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**Committees Announced**

The following committees were appointed at the December Board Meeting:

Nominating Committee: Karen Haller (Chair), Sue Hollis
Ballot Committee: Daniel Rice (Chair)
Awards: George Yatskievych (Chair)

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January – February 1994
Board Meeting Highlights
DECEMBER 4, 1993

President Steve Timme and 15 board members met at Runge Conservation Nature Center in Jefferson City. Steve welcomed new Board members Sue Hollis, Kansas City and Lynda Richards, Rolla. He thanked Linda Ellis for her work on ENPA/MONPS joint meeting in St. Louis.

Treasurer’s report indicated a balance of $9591.41.

Committee Reports
Archives: Jim Bogler stated he is receiving material for both the Archives and the Flora File. The file cabinet for the Flora File has not yet been set up.

Missouriensis: George Yatskievych reported the second issue for 1993 should be ready by the end of the year. It will be a memorial issue for Edgar Denison. Material is requested for upcoming issues.

Missouri Flora Atlas: Wally Weber reported the Atlas is at a point where it could be published. The nomenclature has been changed to coincide with the Catalog of the Flora of Missouri. It contains indices for both Steyermark and the Catalog. Wally handed out copies of the Atlas to those present to proof read. It was moved, seconded and carried (MSC) to publish the Atlas so it can be ready for Native Plant Week in June 1994. Wally will investigate the cost of 200 copies and report back at the Spring Board meeting.

Petal Pusher: Pat Harris reported she is preparing the first issue of 1994. She asked the Chapters to please send meeting and field trip information as soon as possible. Pat said the rates for Third-Class Non-Profit postage went up in November. At the current membership, it should only raise the rates about $1.00 an issue for the entire mailing.

Environment/Education: Jack Harris requested volunteers to help with our booth at the 55th Midwest Fish & Wildlife Conference. He asked the Hawthorn Chapter to look into a booth for the 7th Missouri Forest, Fish & Wildlife Conference to be held in February at Tan-Tar-A.

Membership: Jody Eberly reported for Pat Grace. We have 380 members. Jody is having problems keeping the membership list on her computer. It was (MSC) for her to look into transferring the database so it would work on her computer and $100.00 was allocated for this purpose.

Old Business
New Board Member: Tim Smith, Jefferson City, was nominated to fill the one year term left by the resignation of Bill Dierker. (MSC)

Badge Program: Jim Bogler reported the badges are ordered. The cost is $810.00 for 500. The badge will be 3 1/2 inches in diameter. A committee has been formed to check the projects after they have been submitted. Sylvia Forbes is finalizing a “History of the Society” so it can be included in the packet sent to those completing the program.

Native Plant Week: Nels Hofmberg handed out a report on activities being planned and ideas for many more. Each Chapter is responsible for activities in their area. We will be designing a scarf/bandanna to sell during that week (MSC).

New Business
Appointment of Committee Chairs. All standing Committee Chairs have been reappointed by the President. Other Committee appointments are: Awards – George Yatskievych; Nominating – Karen Haller and Sue Hollis; Ballot – Daniel Rice (MSC).

Budget: The concern was: Are the dues sufficient to cover our expenses for the year. It was decided that the dues were meant to cover publication expenses with some operating expenses. Our other programs/activities need to be covered by fund-raisers such as T/shirt, seed and plant sales. One project we will be starting is book sales at a discount. Ann Wakeman will contact publishing companies to see if we can get a discount on their books (MSC). If so, we will supply a list of books that are available.

It was (MSC) that the Society should investigate the possibility of hiring a professional fund-raiser and membership solicitor. The conditions would include the requirement that the individual would raise funds to cover all expenses of the contract in addition to those raised on behalf of the Society.

It was (MSC) that for any fundraising project that is designed, funded, and produced by the state Society, a retail price will be part of the plan. The Society will receive 60% of the profit (unit cost – unit retail value) and the Chapter operating the retail sale will receive 40% of the profit if the item is sold at the planned retail price. It will remain the prerogative of the Chapter operating the retail sale activity to sell the item at some price other than the planned price and the total revenue of the sale will be divided so that the original planned 60% will be returned to the Society. The remainder of the profit will accrue to the Chapter. Any fund raising projects designed, funded and operated by the Chapters remain entirely within the purview of the respective Chapters.

1994 Board Meetings and Field Trip Schedule: April 16-17, June 25-26, September 24-25 and December 3.

Review Membership Growth and Non Renewals: A letter was prepared for review to send to members who had not renewed in recent years. Much of the discussion under budget had to do with keeping and attracting more members.

Biodiversity: Merv Wallace made a presentation to the Board urging increased awareness of the need for preservation of biodiversity on private lands as well as on public lands. This would be achieved through education of the public on the importance, the stakes at issue and the consequences if we collectively fail to achieve the minimum goals. Merv challenged the members of the Society to come up with ideas on how to accomplish the goals of persuading private property owners of their obligations with respect to biodiversity. Discussion ensued that was in support of the concepts expressed.

Naturescaping – 94 Symposium
The 3rd annual Naturescaping Symposium will be held on March 12, 1994 at Powder Valley Conservation Nature Center, St. Louis, MO. Registration materials should be available starting in early February.

January – February 1994
Petal Pusher
Missouri Arboretum Created

by Jack H. Harris

Section 14 of Senate Bill No. 84 is presented in its entirety for the purpose of advising all Missouri Native Plant Society members of this event. The bill was signed by Governor Carnahan on July 2, 1993.

"Section 14. 1. There is hereby created the "Missouri Arboretum," wherein trees, shrubs, and herbaceous and other types of plants shall be planted, grown, and cultivated for scientific and educational purposes. The Missouri arboretum shall be under the direction, control, and supervision of the board of regents of Northwest Missouri State University.

2. The director of the Missouri arboretum may be appointed by the president of the university and approved by the board of regents of Northwest Missouri State University.

3. The director of the Missouri arboretum may:

   (1) Acquire, archive, process, and disseminate information on horticultural and botanical resources that are or could be of value to the governor, members of the general assembly, and other policy and decision makers in this state; (2) Act as a representative of the state in horticultural matters as pertains to agriculture, both within and outside the state when necessary or appropriate, or when requested to do so by a proper authority, which shall include the legislative and executive branches of this state; (3) Conduct interpretive programs, investigations, and research pertaining to horticulture and botanical resources, including but not limited to native woody plant and certain herbaceous plant species distribution in this state, their relationships to each other and certain fauna and their environment as it pertains to agriculture and horticulture; (4) Maintain plant inventories on or near the Northwest Missouri State University campus in natural or conrived ecosystems; (5) Establish a depository for preservation of live native and adaptive plant germplasm, and the arboretum may act as a distribution source of such germplasm for cooperating affiliated arborets involved in plant evaluation, teaching and research programs; (6) Maintain as part of the statewide arboretum plant collections, plants which are representative of but not necessarily restricted to the flora and plant communities of Missouri, which among other benefits will support research and investigative programs; (7) Contract with private entities or state agencies to assist in training of students and the citizenry with respect to native and introduced woody and herbaceous plant material and their importance to Missouri. In connection therewith, the director may establish a graduate level internship program. (8) The director shall be the only state employee of the Missouri arboretum.

4. The establishment of the Missouri arboretum on the Northwest Missouri State University campus shall in no way preclude or limit the research and educational activities concerning biological and botanical resources in natural or conrived areas by other universities, colleges, or other governmental entities. The Missouri arboretum shall provide support for such activities through data bases and monitoring activities.

5. The director may certify copies as being authentic reproductions of arboretum resource records held in the state.

6. The director shall present a report each year to the Northwest Missouri State University board of regents.

7. A private support group, the Friends of the Missouri Arboretum, may be established to provide funding encouragement for the arboretum. The director shall be the chief operating officer of the private support group.

8. The Missouri arboretum may accept qualified arboretum sites as established members of the arboretum, in order to have diverse locations in which to test plants, to maintain indigenous plant populations, or to provide a local educational resource. Such affiliated sites may be schools, colleges, universities, or other parks or urban botanical sites open to the public. The Missouri arboretum shall establish criteria for such affiliation."

Please forward any comments or recommendations regarding the above to Jack Harris – Environment & Education Committee.

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Tidbits

BOTANY LESSON FROM CHURCH

Botanists go to church sometimes and generally are able to forget all thoughts of achenes, drupes, bracts, forms, subspecies and varieties. However, a recent First Lesson from Isaiah 5:1-7, leads one to speculate what the biblical writers were commenting on in the following excerpts, "...and planted it with choice vines;"", "...he expected it to yield grapes,","...but it yielded wild grapes,"", "...I will remove its hedge,","...and it shall be overgrown with briers and thorns." Obvious guesses might be Ipomoea, Vitis, Ampelopsis, Ligustrum, Smilax and Rubus. The real lesson here is to pay attention and not daydream in church or you might miss some good plants!

WILDFLOWER THEFT

A recent issue of the New England Wild Flower Society newsletter had an interesting article on plant theft. The society sponsored a field trip to Vermont in June to view several orchid species. Some time during the day, three plants of ram’s-head lady’s slipper (Cypripedium arietinum) were dug and removed from a roadside location visited by the group. While it is not clear if any of the field trip attendees were implicated, the society is asking their members for any leads to help Vermont authorities identify the perpetrators.

ISOTRIA MEDELOIDES

The U.S. Fish & Wildlife Service has proposed that Isotria meleoides (small whorled pogonia) be reclassified to "threatened" from "endangered" status. Additional occurrences of the species has been found in various states since its listing as "endangered" in 1982. However no occurrences have been found in Missouri since the sole citation in 1897 in Bollinger County.
Regional Sources of Native Plants

This list is intended to assist gardeners wishing to grow native plants. Some of the companies listed also sell exotics; some sell only seeds; some charge for catalogs.

The Missouri Native Plant Society strongly urges all gardeners insist that the plants they purchase are from nursery-propagated stock, not plants dug from the wild. This will insure a better chance for survival of the plants purchased and help to protect the environment.

**MISSOURI**

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<th>Phone Numbers</th>
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<td>15604 County Road CC</td>
<td>Elsberry, MO 63343</td>
<td>(314) 898–5571 1–800–356–2401</td>
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<td>(816) 786–2401 grasses</td>
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ARKANSAS
Holland Wildflower Farm
290 O'Neal Lane
Elkins, AR  72727
(501) 643–2622
wildflowers

KANSAS
Sharp Bros. Seed Co. of Kansas
P.O. Box 140
Healy, KS 67850
(316) 398–2231
wildflowers, grasses

NEBRASKA
Aurora McTurf
P.O. Box 194
Aurora, NE 68818
(308) 381–7092
grasses (seed only)

Flatland Impressions
1307 L Street
Aurora, NE 68818
(402) 694–5535
wildflowers

Bluebird Nursery, Inc.
P.O. Box 460
Clarkson, NE 68629
(402) 892–3457
wildflowers, trees, shrubs

NEBRASKA
Paul E. Allen Farm Supply
Route 2, Box 8
Bristow, NE 68719
(402) 583–9924
wildflowers (seed only)

Suck Seed Farms, Inc.
Route 1, Box 112
Murdock, NE 68407
(402) 867–3771
wildflowers, grasses

OKLAHOMA
Guys's Seed Company
2520 Main
Woodward, OK 73801
(405) 254–2926
wildflowers, grasses (seed only)

Johnston Seed Company
P.O. Box 1392
Enid, OK 73702
(405) 233–5800
wildflowers, grasses (seed only)

TENNESSEE
Native Gardens
Columbine Farm
Route 1, Box 494
Greenback, TN 37742
(615) 856–3350
wildflowers, grasses, trees, shrubs

Sunlight Gardens, Inc.
Route 1, Box 600A
Andersonville, TN 37705
(615) 494–8237
wildflowers, trees, shrubs

THIS LIST IS NOT AN ENDORSEMENT FOR ANY PARTICULAR SUPPLIER OR PRODUCT.


__________________________

Attention All Personnel!

ALERT CONDITION IS NOW: PURPLE

by Jack H. Harris

As frequent visitors of fields, prairies, savannas and forests in order to enjoy and study native plants, Society members must be aware of their physical location with respect to various property lines whether on public lands or private property. This is necessary to be sure that they remain within the boundaries of the visited property and do not inadvertently trespass on private property without permission. This article is presented to alert members of a new Missouri law on the subject of boundary posting.

On July 2, 1993 Governor Carnahan signed into law Senate Bill No. 84. Section 569.145 is herein quoted in its entirety for your information as follows: "In addition to the posting of real property as set forth in section 569.140, the owner or lessee of any real property may post the property by placing identifying purple paint marks on trees or posts around the area to be posted. Each paint mark shall be a vertical line of at least eight inches in length and the bottom of the mark shall be no less than three feet nor more than five feet high. Such paint marks shall be placed no more than one hundred feet apart and shall be readily visible to any person approaching the property. Property so posted is to be considered posted for all purposes, and any unauthorized entry upon the property is trespass in the first degree, and a class B misdemeanor.”

Please respect all property rights and do not enter private property without permission. Enjoy the native plants of Missouri!!!!
**Readings In Native Plant Lore**

*THE BIODIVERSITY OF MISSOURI: Definition, Status and Recommendations for its Conservation*


This report was prepared by a task force comprised of Tim Nigh and William L. Pfieger, both of Missouri Department of Conservation; Paul L. Redfearn, Jr., of Southwest Missouri State University; Walter A. Schroeder, University of Missouri, Columbia; Alan R. Templeton, Washington University; and Frank R. Thompson III, of the U.S. Forest Service. It should be on the bookshelf of everyone interested in the native flora or fauna of Missouri. It also contains an excellent, concise list of references that all students of the Missouri natural scene will appreciate greatly. (See also the article in *Petal Pusher* Vol. 8, No. 2, p 4.) The report may be obtained by request from the Missouri Department of Conservation, P.O. Box 180, Jefferson City, MO, 65102-0180.

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**Archives & Flora File**

Reminder: The archivist (see list of officers) solicits MONPS information for the Archives and Missouri floristic information (all types) for the MONPS Flora File. See articles in January–February 1993 issue of the *Petal Pusher.*

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**Dues Reminder**

Please help your Society by paying your 1994 Society and Chapter dues as soon as your schedule permits. Save us the expenses of reminding and soliciting your renewal. The dollars saved can be used to educate the public and promote the beneficial attributes of our native flora. We have made an extra effort to be sure that you receive the Society publications on schedule over the past several years so that you will be informed of events of interest to you. Your assistance is vital to the well being of our society! And Missouri native plants will appreciate your participation.

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**Center For Plant Conservation**

The Missouri Botanical Garden has announced the appointment of Dr. Brien A. Meilleur as the Director of the Center for Plant Conservation (CPC). Dr. Meilleur was formerly the Director of Bishop Museum’s Amy B. H. Greenwell Ethnobotanical Garden on Hawaii Island. The Garden has also advised that they are proceeding with plans to publish the results of the first national conference devoted to strategies for reintroducing native plants back into the wild. The publication will be titled *RESTORING BIODIVERSITY.* The book will be edited by Don Falk, Peggy Olwell, and Connie Millar.

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**Missouri Department of Conservation**

**Wildlife Diversity Report:**

**July 1992 – June 1993.**

The Missouri Department of Conservation (MDC) has released its latest report on non-game wildlife management activities which includes the Endangered Species Program. (NOTE: the title of this report for last year was MDC Annual Non-game and Endangered Species Report.)

The following data is extracted from summary tables in the 1992 and 1993 reports.

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<td>73</td>
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</tbody>
</table>

* = estimated
Where: E = endangered; R = rare; WL = watch list; SU = status undetermined; EXT = extirpated

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*January – February 1994*  

*Petal Pusher*  

Page 7
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MO Botanical Garden
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St. Louis, MO 63144
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OZARK SHOWY
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211 West 23rd St.
St. Louis, MO 63166
314-934-2759

ST. LOUIS
George Yatskievych
MO Botanical Garden
P.O. Box 299
St. Louis, MO 63166
314-577-9021 (w)

SPRINGFIELD
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Republic, MO 65738
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• 1994 Quarterly Board Meeting Dates
• Missouri Arboretum
• Regional Sources for Native Plants