



# PETAL PUSHER

The Newsletter of the Missouri Native Plant Society



Volume 5, Number 6

November-December, 1990

## NOMINEES ANNOUNCED FOR UPCOMING ELECTION

*by Joanna Turner*

The following nominating committee was appointed at the December 1990, quarterly board meeting of MONPS: Jim Bogler, Linda Richards, and Joanna Turner (Chair). The purpose of this committee is to propose a slate of officers (for 1991-1993 term of office), and two board members (for 1991-1994 term of office), for the Missouri Native Plant Society.

The following nominees for the 1991-1993 term of office were selected:

<b>President:</b>	<b>Karen Haller</b>
<b>Vice-President:</b>	<b>Louise Wienckowski</b>
<b>Secretary:</b>	<b>Sylvia Forbes</b>
<b>Treasurer:</b>	<b>Rad Widmer</b>

Two Board positions will expire in June 1991. Nominees for board member positions for three-year terms (expiring 1994):

**Mark Pelton**

**Dr. Steve Timme**

Additional nominations may be made by the membership by a written nomination from one members and a written second by another member. Each nomination must be accompanied by a written confirmation of willingness to serve by the nominee. Any such nominations should be sent to Joanna Turner, 166 N. Brentwood, St. Louis, MO 63105, no later than January 30th, 1991.



## MARK YOUR CALENDARS FOR 1991 MONPS MEETINGS!

Get ready for some excellent field trips throughout the state, as well as the opportunity to gather with fellow plant enthusiasts, and discuss current topics/issues regarding Missouri botany. The quarterly MONPS board meetings for 1991 are scheduled as follows:

March 15-17	Rolla, Univ. of MO campus
June 15-16	Caney Mountain
Sept. 14-15	Bootheel area
Dec. 7	Columbia

In conjunction with the March meeting, there will be a **Forum on Old Growth Forest**, which will include both Tim Nigh, from the Department of Conservation, and Doug Ladd, from The Nature Conservancy - Missouri Chapter, as featured speakers. On Saturday, March 16, there will be a field trip to the Eck Tract, one of the best examples of old growth forest in Missouri.

If you are interested in Missouri botany, these weekends are for you!



Let us love winter, for it is the spring of genius.

*Pietro Aretino*





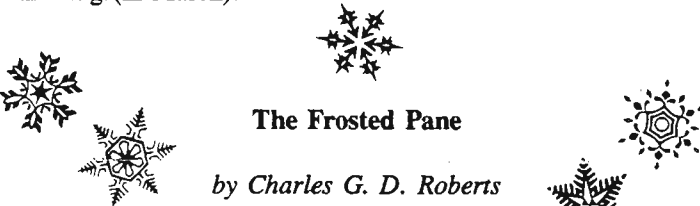
## Environment & Education

by Pat & Jack Harris

As approved by the MONPS Board of Directors, the Environmental/Education Committee presented management policy recommendations to the Missouri Department of Conservation on the future of Forest 44. The presentation was made at a public meeting on Thursday, December 13th, 1990. The main theme of the presentation was to encourage MDC to adopt management policies for Forest 44 that will tend to recapture the conditions of the pre-settlement flora in Missouri, i.e., old growth forest, prairie, glades or savannah as appropriate, as well as to promote the use of flora representative of the Missouri gene pool. Attending were 248 people, of which eight or more were MONPS members.

We plan to look into the proposed landfill near Washington State Park and the Big River and report back to the Board with recommendations on what stand we should or should not take.

We are in the process of evaluating many good ideas for projects for this committee. We hope to propose one or more specific courses of action at the next MONPS Board meeting (in March).



### The Frosted Pane

by Charles G. D. Roberts

*One night came Winter noiselessly and leaned  
Against my window-pane.  
In the deep stillness of his heart convened  
The ghosts of all his slain.*

*Leaves, and ephemera, and stars of earth,  
And fugitives of grass,—  
White spirits loosed from bonds of mortal birth,  
He drew them on the glass.*

### Proposed Solution to Global Warming?

Some scientists from the National Academies of Sciences and Engineering have suggested that dumping hundreds of thousands of tons of iron into the ocean will stimulate the growth of marine algae, which will use up the excess carbon dioxide. "You give me half a tanker full of iron, and I'll give you another ice age," stated John Martin.

### Edible Trash Bags!

Recently under testing by scientists in Illinois is a biodegradable plastic made from potato peelings. This new plastic biodegrades in water and in sunlight, and is edible to bacteria and people.

## Plant Propagation Workshop and Open House

by Chuck Litecky



On Saturday, February 9, the Hawthorn Chapter will sponsor a native plant propagation workshop in conjunction with an open house and tour illustrating the propagation of native plants for landscaping. Gardeners may find it particularly attractive during the doldrums of February to drive to Columbia for a day of wildflower-related activities.

The day starts with a workshop from 9:30-11:30 a.m., conducted by Merv Wallace, owner of Missouri Wildflower Nursery, and active MONPS member. After covering germination techniques such as stratification and scarification, and planting techniques applicable for native wildflowers, class participants will choose several wildflower species, and will prepare their seeds for germination. Seeds and books on wildflower propagation will be on sale with proceeds going to the chapter's conservation activities. The class will be held at the Columbia Area Vocational Technical Career Center on Providence Road (approximately one mile South of the MU football stadium).

After the class, members are invited to my home to see an ongoing project of renovation of an older house and landscaping with native plants. I've been busy building propagation facilities: plant trays, lights, greenhouse, seedling beds, etc. in order to inexpensively produce native plants for a planned woodland landscape. I hope to eventually convert our large urban lot into a woodland wildflower garden. This project shows innovative do-it-yourself landscaping techniques at low cost. Inexpensive materials are used such as native plants already on the site and field stone for beds and terraces. You will find this tour valuable as it illustrates ideas for potential application of native plants to your own property.

The tour and open house are scheduled for 1:30 to 3:00 p.m., Saturday, February 9, at 706 Ingleside Drive, Columbia, Missouri. Instructions to get there will be given out in the class, or call for directions at 314-442-2475.

To register for the workshop, send a check for \$10 payable to: Columbia Area Adult Education, to the Columbia Area Adult Education, P.O. Box 874, Columbia, Mo 65205, indicating the fee is for the propagation workshop. There is no charge for the tour/open house.

### Environmental Products

Environmental products are being introduced 30 times faster than other new goods, according to Marketing Intelligence Service, a consumer research company. One company that offers over 150 environmental products, such as biodegradable diapers, low-flow showerheads and energy efficient lightbulbs, is Seventh Generation. They donate 1% of their gross profit to non-profit environmental organizations. For more information call 1-800-441-2538.



**Botanical Book Review**  
by Louise Wienckowski

The latest guide book (1990) in the Peterson Field Guide Series, *Eastern/Central Medicinal Plants*, by Steven Foster and James Duke, includes 500 of the "more significant plant species of the Eastern U.S., with important historical uses, present use, or future potential." The format follows the typical Peterson system of categorization by flower color first, then number of petals and flower arrangement. Most of the illustrations are borrowed from other Peterson plant guides. The photographs are of exceptional quality and clarity and are exclusively those of Steven Foster.

The book presents the user with the very timely issues of plant conservation, the need for further research on the medicinal application of plant compounds and extracts, and an appreciation for the historical uses by American Indians and nineteenth century physicians. Both the amateur and professional botanist will gain a new perspective on the native flora with the information provided in this field guide. Each plant description includes a graphic symbol or two in the left margin indicating its properties: poisonous, causes allergic reactions, or dermatitis, requires caution, or is used in modern medicine. The text specifies uses such as for headache, colic, hysteria, etc.

This guide is a must for plant enthusiasts interested in broadening their appreciation of plant history, folk uses and is excellent for its general research value. The book retails for \$15.95 in paperback (Houghton Mifflin Co.).



**Botanical Book Review**  
by Sylvia Forbes

*Poisonous Plants of the Central United States*, by Homer A. Stephens, was first published in 1980, but has much useful information for those interested in learning about harmful plants of our geographical area. Each species is listed in a format including: a description of the plant, habitat description, poisonous parts and toxic chemicals, and symptoms of poisoning. Rather than alphabetically by plant or family, species are listed in phylogenetic order, which is not particularly useful to the amateur botanist. A short glossary at the beginning of the book helps those to understand descriptive plant terms. The book is filled with black-and-white plant photos on almost every page, helping to illustrate the species discussed. At the end of the book is an index of the poisonous plants by toxic principle.

This book is excellent as a general guide for poisonous species in our area. Due to the large area covered, however, all poisonous species are not necessarily listed. For example, only 11 species of *Euphorbia* are specifically mentioned as poisonous. The photos, while often excellent, sometimes do not show enough contrast as to be useful for identification purposes. Those who are doing research may need a more comprehensive guide than this book, however, this is a good beginner's guide, and for \$9.95 (in paperback) is a good buy. (165 pages, published by The Regent's Press of Kansas).

**Environmental Heroine Dies At 96**  
by Louise Wienckowski

Dr. Dorothy Leake, environmentalist, biologist and botanist, was an admired model of land stewardship for the 73 years she spent on Crane Creek in Stone County, Missouri. She died on July 23, 1990, at Aurora Community Hospital.

Dr. Leake named her property the "Freshwater Biology Station" and hosted many students and teachers interested in studying the impact of man on streams and their inhabitants. Dr. Leake took great care to study and preserve her 131 acres of Ozark land, and to prevent any further pollution that what had already been wrought by a hazardous waste dump years before. She was passionate about passing on her knowledge and concern to young people and students in an effort to turn the tide of environmental damage.

Dorothy Leake studied biology at Drury College in the early part of this century, when very few women pursued college degrees. She later taught biology and received a doctorate at age 50. She became head of the Science Department at Southeastern Oklahoma State University until retirement in the 1950's. Dr. Leake's post-retirement work at her own living laboratory included studies in aquatic botany and small headwaters streams. She and her husband, Henderson, wrote and illustrated *Wildflowers of the Ozarks*. Dr. Leake also illustrated a field guide to Rocky Mountain Plants and a book of Arizona desert flowers.

The Springfield Chapter of the Missouri Native Plant Society was the honored recipient of an invitation to visit the Freshwater Biology Station on Easter Saturday, 1989. Carolyn Huber, a member of MONPS and a close friend of Dr. Leake's, arranged the meeting. About a dozen people attended. We walked along Crane Creek, viewed the headwaters and heard the story of the railroad dynamiting the bluff, forcing the spring to emerge elsewhere. We were told about some manufacturer's waste dump nearby, which killed the fish and damaged the balance of organisms in the one branch of the creek.

Dr. Leake was engaging and informative, ever the teacher, dignified and gracious. We ate our sack lunches at the back door and talked about the Streams of the Future program she had enrolled Crane Creek in. We had to depart at a certain time because Dr. Leake wanted to listen to an opera airing on the radio. We were all astounded at the energy, intellect and vibrance of this diminutive, then 94-year-old woman. An inspiration to us all, and truly a heroine in this time of very late blooming environmental action.



Come forth into the light of things, Let Nature be your teacher.

*William Wordsworth*



## GOALS FOR 1991



There are environmental and educational concerns in many areas of Missouri. The Missouri Native Plant Society would like to get your input on the plant-related issues/topics that YOU feel are priorities for 1991. Please help us to prioritize or even to become aware of botanical issues, ideas, and events you feel are important to consider this year. Please fill out the following form with your comments, and send them to:

**Karen Haller**  
Vice President, MONPS  
618 Spring Meadow Dr.  
Ballwin, MO 63011

1. Do you read the *Petal Pusher*? Do you find useful information in it? What would you like to see added/changed? What columns would you like to read?

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2. Do you read *Missouriensis*? \_\_\_\_\_  
What would you like to see added/changed?

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3. What SPECIFIC goals for 1991 do you think MONPS should consider accomplishing?

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4. What other comments/suggestions do you have for MONPS?

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(Please use extra paper if needed.)



## Star Dust by Sylvia Forbes



Have you skipped the last few chapter meetings, because you just didn't have time? Have you not been out on a hike for several months? Have you not volunteered to help on any plant projects lately? Perhaps you're suffering from a lack of *star dust*. *Star dust*, which is that spring in the step, that gleam in the eye, that enthusiasm and optimism, which makes life exciting and rewarding.

Many of your botany teachers had it - the magic which made you revel in the surprises and beauty of nature. It made you eager to go outside, and see what new discoveries awaited since last time you looked. It made you look closely to see the laciness of the network of veins in a leaf, to see tiny little insects crawling over an almost as tiny liverwort. It made you hold perfectly still listening to the croak of a frog, the sunset call of a whip-poor-will, or the hushed gurgle of a five-inch tall waterfall hitting a rock in the creek.

*Star dust*, that quality which they had that helped you to learn, to touch, to explore without fear, and made you want to learn the names of all the plants and animals, find out where they lived, and how they were both different and alike from you. It made you rush in for dinner, and eat as fast as possible, so you could rush outside again.

*Star dust* takes a little effort - it isn't found in a monotone, or in a dictatorial manner. It isn't always telling the answer, but sometimes is helping someone to discover the answer for themselves. It's hearing something you already knew, but told in a delightful or thought-provoking way. It's seeing something you may have seen a thousand times, but discovering something new that you just never noticed about it.

Sometimes even the best of botanists lose their *star dust*, through overwork, paperwork, telling the same story too many times, or not getting enough time out in nature to renew themselves. If you've lost that sometimes elusive *star dust*, then go on a hike, or to a NPS meeting or event. Rediscover the enthusiasm of learning something new. Let others share with you some of their recent discoveries in nature, and after awhile, you'll be feeling that *star dust* again. And for those of you that have lots of *star dust*, be sure to sprinkle it on those that need it the most - encourage others to feel the amazement of nature. And make the effort to volunteer - it's great to help others, and you never know when you'll be rewarded with someone sprinkling a little *star dust* on you!



Commonly we stride through the out-of-doors too swiftly to see more than the most obvious and prominent things. For observing nature, the best pace is a snail's pace.

*Edwin Way Teale*

**Summary of the Minutes of the December 8, 1990  
MONPS Board Meeting held at Rolla, Missouri**  
*by Sylvia Forbes, Secretary*

**Call to Order.** The meeting was called to order by President Bill Summers at 10:20 am. Board members present included Melvin Conrad, Jody Eberly, Sylvia Forbes, Pat Grace, Karen Haller, Pat and Jack Harris, Larry Morrison, Paula Peters, Bill Summers, Sue Taylor, Joanna Turner, Merv Wallace, Wallace Weber, Rad Widmer, Louise Wienckowski, and George Yatskiyevych. Other attendees included John L. Doggett, Al Haller, Sue Hollis, Chuck Litecky, Kazie Perkins, Lynda Richards, Tim Smith, and Linden Trial.

**Minutes of the Previous Meeting** were approved as printed and amended by mail.

**Treasurer's Report.** Rad Widmer handed out a financial statement covering the period 12-Sept-90 through 1-Dec-90. The statement showed an income for this period of \$571.19, expenses of \$324.36, resulting in a balance of \$6,693.87. The report was accepted as submitted. The board commended Rad for an excellent job in updating the financial records.

**Committee Reports.**

**Editorial Committee.** The next *Missouriensis* should be out in January. Articles are requested for the next issue. Wally reported that progress is continuing on the Atlas. This past summer there was a major problem of all the records being lost due to a computer problem, but all this information has been retyped into the computer.

**Membership.** Pat Grace stated that she has the membership records on 3 x 5 cards; Current membership is 546. She has been sending out information to people who inquire about MONPS. Rad stated that according to latest records, membership categories and dues (for the state) are:

Student . . . . .	\$5 . .
Group . . . . .	\$25
Individual . . . . .	\$9
Lifetime . . . . .	\$200
Family/Contributing . .	\$20

**Newsletter.** Sylvia stated that the next issue of the *Petal Pusher* should go out in the next couple of weeks. Anyone with announcements, articles, or events should submit them right away.

**Field Trips.** Tim Smith reported that there is about \$40 in the food fund for the next field trip.

**Environment/Education.** Several issues were discussed.

1. Pat stated that Conservation Commissioner John Powell's appointment expires in June, and he will be up for reappointment. She suggested that we write a letter to the governor suggesting a person to fill this position instead of Powell. It was suggested that we get together with other environmental groups to agree on a single candidate that we all can support. Pat volunteered to draft and send a letter to send to other

organizations asking them to think of a candidate to replace Powell, and to coordinate efforts. EVERYONE should send addresses of environmental organizations to Pat.

2. Pat suggested that we contact the Conservation Commission to urge them to adopt a permanent policy opposing the damming of free-flowing streams in Missouri. Pat volunteered to draft a letter on this topic.
3. Pat suggested that we adopt a policy to evaluate the proposed landfill near Washington State Park and the Big River, and write to the Department of Natural Resources.
4. Pat stated that she had given a presentation on the Missouri Native Plant Society and native plants to the November general meeting of the Eastern Missouri Group of the Sierra Club.
5. Pat asked for input on educational aspects we would like to develop/discuss.
6. Joanna asked about Forest 44. It was stated that the public meeting to give input on Forest 44 is next Thursday, December 13th. George suggested that we make a statement on preserving the scenic values and native species. Jody suggested that we state in the letter what we DON'T want, as well. Merv suggested a plant inventory BEFORE any changes are made. George stated that it is a nice area, mostly upland forest, but no rare or endangered species have been found there. Jack volunteered to draft a letter to the Conservation Department giving our input on how Forest 44 should be managed.

**Archives.** Sue Turner requests all state and chapter information for the archives.

**Old Business.**

**Plant Stewardship Plaque.** Karen Haller reported that Jan Friesen of the Forest Hills Golf Club called and requested that John Weston's name be taken off the Plant Stewardship Award plaque. After discussion, a motion passed to keep the plaque in John Weston's name.

**Slide Bank.** Steve Timme requests slide donations.

**Dues Renewal.** Rad presented a dues notice he had created for the next issue.

**Missouri Native Plant Week.** There was discussion on writing to the Governor to establish a Native Plant Week. Kazie Perkins volunteered to get a packet from the Governor's office.

**Tyson Highway Wildflower Planting.** Tyson Research Center has requested money for native plant seed, for the highway department to plant along a stretch of Highway 44 which has been widened. After discussion, a motion was passed that MONPS donate up to \$200 for seed, dependent on Merv checking into the details of the planting, and approving it as a suitable plan for the area.

**Archives Committee.** The designation of the archives committee was changed from temporary status to a standing committee, by vote of the board.

**Bylaws Revision.** The board discussed some of the

proposed bylaws changes as suggested by the bylaws committee in a written document previously sent to all board members. It was voted to change wording in several paragraphs, then the document was approved. It was approved that the revised bylaws become effective immediately. The board commended the bylaws committee for their extensive work and excellent job.

#### **New Business.**

**Forest Forum.** Kazie Perkins has been active in setting up a forum on old growth forest, planned for Friday, March 15th, at 7 pm, in Room 204, Magnet Hall, Univ. of MO - Rolla. Tim Nigh and Doug Ladd will be featured speakers. On Saturday, there will also be a field trip to the Eck Tract of Big Piney Creek Wilderness, which has some of the best old growth forest in Missouri. She requested that MONPS co-sponsor this event, which was approved.

**Ozark Chapter Formation.** Rolla is planning to form a chapter of MONPS. It was stated that they need to officially petition the board to form a chapter.

**Bylaws Committee.** Sue Hollis stated that the members of the nominating committee resign.

**Dues Accounting.** Chuck Litecky requested that information be given to chapters on how their dues are used, and asked if chapters could request money for projects. Rad said that there are two different special budget areas set up (grants and special projects) from which chapters can request money. George suggested that there be a formal document outlining procedures for applying for these funds. George suggested that we activate or get a grants committee together.

**1991 Board Meetings.** Meetings for 1991 were decided upon as follows:

March 15-17 . . . . .	Rolla
June 15-16 . . . . .	Caney Mountain
Sept. 14-15 . . . . .	Bootheel area
Dec. 7 . . . . .	Columbia

**Catalogue of the Flora of Missouri.** George showed his and Joanna's book, recently published. 1200 copies have been printed, and 511 have already sold. The book was given as a door prize.....to Linden Trial.

**Newsletter.** Sylvia was commended for editing the *Petal Pusher* for one year. Bill stated that she has resigned, effective December 31, and he has someone to take over.

**Letters.** Karen Haller read several letters requesting information from MONPS.

**Nominating Committee.** Bill appointed a nominating committee of Joanna Turner (chair), Jim Bogler, and Linda Richards.

**Ballot Committee.** Bill appointed a ballot committee of Melvin Conrad (chair), Tim Smith, and Linden Trial.

**Advertising.** Merv has generously offered to advertise our organization in his 1991 nursery catalog. He currently has 3,000 people on his mailing list. He needs the copy by January 15th.

**Chapter Reports.** Kansas City - no report.

**Springfield.** Wally reported that Steven Foster spoke on Medicinal Plants, and they had their largest attendance ever. Louise gave workshops on making wreaths which were

popular. A native plant potluck planned for February, and Jim Key will be showing slides of Kenya at a future meeting.

**Kirksville.** Melvin stated that they had 3-4 meetings this year. They have been working on two plantings of natives: one on campus, and one South of Kirksville.

**Columbia.** Paula Peters stated that they held three workshops this Fall, had three field trips, a seed collecting trip, had booths at two community events, had some excellent speakers, including Doug Ladd and Leon Snyder, held elections in October, and have a Christmas dessert potluck scheduled.

**Jefferson City.** Merv stated that they had a summer native plant potluck, had a geologist speak on Missouri geology, and have a Christmas dinner with Audubon planned.

**St. Louis.** Larry said that their chapter does not meet in November or December, but they have had excellent speakers and field trips, and have been planning for next year. Their education committee has been working hard on putting together three slide shows. The Spring and Summer Flora slide shows are almost done, and the Fall slide show is about halfway done.

**Adjournment.** The meeting adjourned at 3:50 p.m.

#### **New Publication Available**

Be sure to pick up a copy of the recently published *Water Plants for Missouri Ponds*, from the MO Department of Conservation. Packed with lots of information, color photos, and botanical illustrations, it is a bargain at under \$10.00.

#### **Helpful Brochure For Homeowners**

Property owners planning additions or renovations may be interested in acquiring the free brochure, *Protecting Trees During Construction*, available from Jack Siebenthaler, Executive Director, American Society of Consulting Arborists, 700 Canterbury Road, Clearwater FL 34624, or call 813-446-3356. Be sure to request the brochure by name.

#### **Help With Newsletter and Mailings Needed** *by Sylvia Forbes*

I have enjoyed this past year as newsletter editor of the *Petal Pusher*. It has been fun to look through publications, and highlight tidbits that might be of botanical interest to readers. I appreciate the many articles that have been contributed, and thank all those people for taking the time to sit down and write, so that others could benefit from their experiences and information. I hope everyone has enjoyed the results of this combination of efforts.

It is time, however, to turn over the newsletter to another member. Please let Bill Summers, MONPS president, know if you might be interested in becoming the next newsletter editor, or even in writing a regular column for the newsletter. Help is also needed in mailing out the newsletter, as preparing the newsletters for mailing is a 5-6 hour job.



## CALENDAR OF EVENTS



*(Editor's Note: Since I only received notice of four MONPS events, I thought I would list some of the other upcoming "plant-related" activities members might be interested in attending.)*

- Monday, Jan. 14**  
7 pm, Columbia      **Paul Nelson**, from the Missouri Department of Natural Resources, will speak on **Collection and Restoration Ethics: The State Parks Viewpoint**, at the monthly meeting of the Hawthorn Chapter, at Farm and Home Savings, corner of Broadway & 8th St.
- Jan 23-25,**  
Osage Beach, MO      **4th Missouri Forest, Fish & Wildlife Conference**, at Marriott's TanTara resort in Osage Beach. The conference begins Wednesday at 7:30 pm, with a social hour, then sessions Thursday and papers Friday. Cost (after January 4) is \$26.50. To obtain a list of technical sessions or to register, call 314-882-9880, or write Devona Lam (Attn: MFFW), 1110 S. College Ave, Columbia, MO 65201. (Lots of activities scheduled!)
- Friday, Feb. 1**  
8:00 am, Columbia      **11th Annual Tree Farm Day**, held at the Memorial Union, Univ. of MO - Columbia. Cost of workshop, including lunch is \$20. For more information write to Tree Farm Day, 348 Hearnes Center, Columbia, MO 65211, or call 314-882-4038.
- Friday, Feb 1**  
8:30 am, Columbia      **Conference on Water Quality**, held at the Holiday Inn Executive Center, Columbia. Cost of the conference is \$25.00. For more information, write Joanne Gregory, 0056 Engineering Complex, Columbia, MO 65211.
- Saturday, Feb 8-9**  
Columbia      **2nd Missouri Conference on Rivers & Streams**, held at the Ramada Inn, Columbia. For more information, write the Conservation Federation of Missouri, 728 W. Main St., Jefferson City, MO 65102, or call 314-634-2322.
- Saturday, Feb 9**  
9:30 am, Columbia      **Plant Propagation Workshop**, taught by Merv Wallace and co-sponsored by the Columbia Adult Education Center and the Hawthorn Chapter. Cost is \$10, advance registration required. Call 314-442-2475 for more information.
- Saturday, Feb 9**  
1:30 pm., Columbia      **Tour & Open House**, of the home propagation area of Hawthorn Chapter member Chuck Litecky. Location is 706 Ingleside Drive. (See article in this newsletter.) Call 314-442-2475 for directions.
- March 15-17**  
Rolla      **Quarterly MONPS Board Meeting, and Forum on Old Growth Forest**, sponsored by MONPS. The weekend starts with talks on Friday night by Tim Nigh and Doug Ladd on Old Growth Forest, and continues Saturday with a field trip to an old growth forest. Board meeting Saturday night, and possible field trips on Sunday.
- April 1-3**  
Columbia      **Annual Meeting of the American Forest & Grassland Council**, held at the Holiday Inn Executive Center, Columbia. Monday will include a tour of central Missouri showing current grasslands usage. Papers will be presented on Tues-Wed. For more info, contact Alice Schawo, 314-882-9554, University Extension Conference Office, 344 Hearnes, UMC, Columbia, MO 65211.
- August 18-21**  
Springfield      **2nd Conference on Agroforestry in North America**, held at the Holiday Inn University Plaza. For more information contact the University Extension Conference Office, 344 Hearnes Center, UMC, Columbia, MO 65211.

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### BITS & PIECES



A seven-minute video on organizing a community Christmas tree recycling program is now available, for a two week viewing period. The only cost is for return postage. Contact Bonnie Beckett, 1-30 Ag Bldg, UMC, Columbia, MO 65211, to obtain the video. (A great November meeting topic!)

The average American uses each year the equivalent of one tree, 100 feet tall and 16" in diameter to fulfill his wood/paper needs.

The top four National Parks (in order) that recycled the most glass, plastic, and aluminum in 1990 are Yosemite, Grand Canyon, Acadia, and Great Smokey Mountains. Yosemite, at the top, recycled 1.3 million pounds.

The maker of Glad Wrap and Bags has recently reduced the amount of plastic in its products. The thinner bags mean 60 million pounds less plastic entering our landfills. The thinner bags fit into smaller packages, and will also mean 4 million pounds less cardboard entering the landfill. Glad

now uses 100% recycled paperboard for all retail packaging.

According to Dr. Bruce Roberts at the Nursery Crop Research Laboratory at Delaware, Ohio, the red maple filters sulfur dioxide from the atmosphere faster than most other trees.

About 30% of the trees in Congaree Swamp National Monument in South Carolina fell due to Hurricane Hugo. The trees are more vulnerable to high winds because of their small root systems, living in a swamp environment. One of the trees that fell was the National Champion Shumard Oak.

Strangely enough, the U.S. governing body of everything outdoors is called the Department of the Interior.

Arizona's state flower and native cactus, which is protected by state law, is being stolen at a record pace. Morris Udall, chairman of the House Interior Committee, stated that specimens sell for \$1,000 or more. The rare cristate forms sell for \$15,000 or more.



**1989-91 OFFICERS AND BOARD MEMBERS  
of the  
MISSOURI NATIVE PLANT SOCIETY**



**OFFICERS**

**President**

Bill Summers  
PO Box 6975  
St. Louis, MO 63123  
314-843-0862

**Vice-President**

Karen Haller  
618 Spring Meadow Dr.  
Ballwin, MO 63011  
314-227-5693

**Secretary**

Sylvia Forbes  
4482 Southview Dr.  
Columbia, MO 65203  
314-446-0222

**Treasurer**

Rad Widmer  
1172-B Schulte Hill Dr.  
Maryland Hts., MO 63043  
314-576-3707

**Immediate Past President**

Doug Ladd  
The Nature Conservancy  
2800 S. Brentwood  
St. Louis, MO 63144  
314-968-1105

**Field Trips**

Tim Nigh  
MO Dept. of Conservation  
PO Box 180  
Jefferson City, MO 65102  
314-751-4115

**BOARD MBRS (term)**

Jody Eberly ('89-92)  
Rt. 2, Box 181  
Mountain View, MO 65548  
417-934-2759

Linda Ellis ('90-93)  
911 W. 48th St., #105  
Kansas City, MO 64112  
816-472-0227

Larry Houf ('90-93)  
Rt. 2, Box 181  
Mountain View, MO 65548  
417-934-2759

Joanna Turner ('88-91)  
166 N. Brentwood  
St. Louis, MO 63105  
314-727-9029

Louise Wienckowski ('88-91)  
1423 N. Summit  
Springfield, MO 65802  
417-869-8074

George Yatskievych ('89-92)  
Missouri Botanical Garden  
PO Box 299  
St. Louis, MO 63166  
314-577-9522

**Environment/Education**  
Pat & Jack Harris  
9708 Green Park Rd.  
St. Louis, MO 63123  
314-894-9021

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PO Box 299  
St. Louis, MO 63166  
314-577-5169

**Editor, Missouri Flora Atlas**

Wallace Weber  
Dept. of Biology  
Southwest MO State Univ.  
Springfield, MO 65804-0095  
417-836-5883

**Editor, Missouriensis**

Paul Redfearn  
Dept. of Biology  
Southwest MO State Univ.  
Springfield, MO 65804-0095  
417-836-5882

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314-496-3492

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**Springfield**

Wallace Weber  
Dept. of Biology  
Southwest MO State Univ.  
Springfield, MO 65805-0095

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**Missouri Native Plant Society  
P.O. Box 6612  
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