

The Gaillardia

Oklahoma Native Plant Society Newsletter

Volume 4, Number 3

May/June 1989

To encourage the study, protection, appreciation and use of the native plants of Oklahoma

PROCLAMATIONS, FIELD EVENTS, MARK FIRST OKLAHOMA WILDFLOWER DAY

Mrs. Bellmon, Senator Haney Honored for Wildflower Efforts

The first Oklahoma State Wildflower Day will be celebrated on May, 20, 1989, with proclamations from mayors and field trips across the state. On May 2, ONPS members will honor Oklahoma's First Lady, Mrs. Henry Bellmon, and Senator Enoch Kelly Haney of Seminole for their efforts in promoting Oklahoma wildflowers and beautification.

Betty Kemm, immediate past president of ONPS, will present Mrs. Bellmon with a framed certificate, a framed copy of Dr. Paul Buck's winning photograph of a *Gaillardia* and a *Gaillardia* pin crafted by the artists at the Rose Rock Museum in Noble. Senator Haney will receive a framed certificate of appreciation and a *Gaillardia* bolo tie crafted by the same artists.

Among those attending the presentation will be ONPS members Aileen Roads Carter, John Miller, Dr. Doyle McCoy, Joanne Orr, and Dr. Larry Magrath. The event, to be held in the Blue Room of the State Capitol at 10:30 a.m., will serve as the kickoff for the statewide observance of Wildflower Day, May 20. A week earlier, May 12-13, the 12th annual Wildflower Workshop will be held at Northwestern Oklahoma State University in Alva. Sponsors include Oklahoma Garden Clubs, Inc., Oklahoma Department of Transportation, Alva Council of Garden Clubs, ONPS and the university. Winners of the second annual photography contest featuring Oklahoma native plants will be announced at that time.

SPECIAL FIELD EVENTS FOR WILDFLOWER DAY

Several ONPS members and individuals or groups who support the aims of ONPS have graciously agreed to have field events or other activities to note the observance of Oklahoma's first State Wildflower Day. In field events, all habitats visited will be easily accessible, thus enticing less intrepid wildflower enthusiasts to participate. Comfortable walking shoes will be sufficient for all areas visited. Encourage your "non-back-to-nature" friends to come for a brief visit to see the bright spring blooms. Please phone the listed contact person so that they will know what kind of turnout to anticipate. (See page three for the full schedule.) --- Irene McKee

OKC BEAUTIFUL ENDS PENNY DRIVE WITH GALA AT MYRIAD GARDENS

Oklahoma City Beautiful, Inc. will end their second annual Penny Roundup and Canister Contest with judging and awarding of prizes for most original canister design, most pounds of pennies and most creative use of wildflowers in the decoration.

The fun will be held outdoors at Myriad Gardens in downtown Oklahoma City on wildflower day. All money collected during the drive is used to purchase wildflower seeds for plantings in and around OKC.

Included in the festivities will be two bands, a kite contest and kite flying. Picnic food will be available, and *Gaillardia* plants will be sold. The event will last from 1:00 p.m. to 4:00 p.m. on May 20.

ONPS NEEDS LOGO!!!

ONPS NEEDS YOU!!!!

Hurry! Deadline for the ONPS LOGO CONTEST IS JUNE 1, 1989.

ONPS is waiting to receive your entry in the "Design the Logo" competition. The Society, now in its third year of activity needs a logo for use on stationery, brochures, label pins, certificates and other items.

Individuals are invited to submit one or more designs for consideration. The Board will review the submissions and select those to be submitted to the Society's members for consideration and selection at the fall meeting.

Any type of logo will be considered as long as the Society's name or initials are incorporated. However, appearance when considerably enlarged or reduced should be considered.

Designs should be submitted as black ink drawings or glossy photographs not smaller than 3 x 5 inches nor larger than 8.5 x 11 inches. Entries become the property of the Society.

Submit entries to Ronald J. Tyr1, Department of Botany & Microbiology, Oklahoma State University, Stillwater, Oklahoma 74078 by June 1, 1989. Designs selected to be considered by the membership will appear in a future issue of *The Gaillardia*.
--- Ron Tyr1

QUARTZ MOUNTAIN STATE PARK SITE FOR ONPS THIRD ANNUAL MEETING

Be sure to reserve the first weekend in November to join us at "rugged and romantic" Quartz Mountain State Park for ONPS' third annual meeting to be held November 4-5, 1989. Activities will include field trips and an awards banquet. Entries in the wildflower photo contest will be displayed, along with books, posters and other materials on native flora. During a brief business meeting, ONPS members will elect officers and board members for the coming year.

Quartz Mountain is the home of the Summer and Fall Arts Institutes, and also is a refuge of the American Bald Eagle during the winter months. The park is green year 'round because of its live oak community. Come explore the 4,000+ acre park and visit the nearby Wichita Mountains Wildlife Refuge to view buffalo, longhorn cattle and prairie dogs, along with native plants. Our guides will include the state's leading field botanists and Quartz Mountain's excellent naturalist. Quartz Mountain State Park is located in the southwestern part of the state about 160 miles from Oklahoma City.

JOIN US IN ALVA MAY 12-13 FOR ANNUAL WILDFLOWER WORKSHOP

ONPS will co-sponsor the 12th Annual Wildflower Workshop to be held on the campus of Northwestern Oklahoma State University in Alva, May 12 and 13. Dr. Doyle McCoy will speak on Oklahoma Wildflowers in May: from East to West at the dinner to be held at 7:00 p.m. on May 12. The winners of the Wildflower Photo Contest will also be announced at the banquet.

During the day on Friday, other notables will speak, including Linda Watson, botanist with the Oklahoma Natural Heritage Inventory; Joanne Orr, ONPS board member and Beautification Coordinator with the Transportation Department; Dr. Larry McGrath, ONPS Conservation Committee Chair and professor of botany at University of Science and Arts of Oklahoma; Betty Burns, owner of the Cutting Garden in Norman; and Dr. Ronald J. Tyrl, ONPS Board Member and professor of botany at Oklahoma State University. Dr. Paul Nighswonger and Dr. Dan Shorter will hold an open house on Friday afternoon.

On Saturday, Drs. Nighswonger, Shorter, McGrath and Tyrl will lead field trips to view the region's wildflowers. A brochure with full details is enclosed with your newsletter.

BOARD MEMBER TO SPEAK AT LOUISIANA WILDFLOWER MEET

Joanne Orr will speak on Oklahoma's Wildflower Program - 1975-1995 at Louisiana Project Wildflower 2nd Annual Meeting on May 16-17 in Alexandria, Louisiana. Those interested in attending should mail \$25 (for nonmembers, includes luncheon) to: Lafayette Natural History Museum, 637 Girard Park Drive, Lafayette, Louisiana 70503. Dr. David Northington of the National Wildflower Research Center in Austin will give the keynote address at the awards luncheon. His topic will be Native Plants in Regional Landscapes.

2nd MID-SOUTH NATIVE PLANT CONFERENCE SET FOR OCTOBER

By popular demand, the Mid-South Native Plant Conference has scheduled a second meeting from October 27-29 in Memphis. Topics to be discussed include propagation of native plants, wetlands, edibles, preserving trees in the landscape and successful native plant landscaping. Student grants for housing and registration are available for the five best qualified applicants. If interested in the grant or in the conference, please write to Mid-South Native Plant Conference, Lichterman Nature Center, 5992 Quince Road, Memphis, Tennessee 38119.

WARNING FROM WWF : DON'T BUY ENDANGERED WILD-GATHERED BULBS

Many popular bulbs, planted by the millions in American gardens, may have been collected from the wild in Central Asia, South Africa, Portugal, Turkey and the U.S., according to the World Wildlife Fund. To avoid buying wild-gathered plants, WWF urges gardeners to ask the origin of the plants and to make sure they were propagated in a nursery. "Assurances that bulbs were obtained from 'commercial sources' or are 'nursery-grown' are not adequate; they may still have been collected from the wild," according to an article in the March/April, 1989 Focus.

Below is a partial list of plants to avoid: *Narcissus triandrus albus*, *N. bulbocodium conspicuus* (and all small *Narcissus* sp.), *Colchicum* sp., *Erythronium* sp. (except "Pagoda," a propagated hybrid), *Trillium* sp., especially *T. grandiflorum*. In the Orchid family, do not buy *Bletilla striata*, *Pleione* sp., or *Cypripedium* sp., especially *C. acaule*.



Event Schedule for Saturday, May 20, Oklahoma State Wildflower Day

CITY/TIME	CONTACT/PHONE	EVENT/LOCATION
Enid 8:00 a.m.	Jeff Burkhart 405-237-4433	Native Prairie Field Trip Meet at parking lot of Gantz Center, Phillips University. Bring sack lunch
Chickasha 8:30 a.m.	Larry Magrath 405-224-3149 x 292	Wildflower Habitats Field Trip. Meet at oval, front of Administration Building, University of Sciences & Arts
Edmond 9:00 a.m.	Terry Harrison 405-341-2980 x 5774	Prairie Wildflowers. Meet at parking lot of Science Building, Central State University.
Stillwater 9:00 a.m.	Ron Tyrl 405-744-9558	Wildflower habitats near Stillwater. Meet at parking lot north of Life Sciences East, Oklahoma State Univ.
Ada 9:00 a.m.	Dr. Clyde Butler 405-332-7708	Bring cameras for trip to wildflower habitats. Parking lot of Science building, East Central State University.
Tulsa Call for info	Donna Horton 918-832-8112 918-664-1631	Redbud Valley. Share a morning walk through this unique nature preserve.
Tulsa		Visit River Parks for a self-conducted stroll. Park in vicinity of 45th to 49th Streets and walk along jogging path or down to river bank. Bright patches of wildflowers grew from seed donated by the Zink Foundation.
Norman	Ruth Boyd 405-872-9652 Pat Folley 405-872-8361	Call Ruth for info on special wildflower spots to visit. Pat will be at Cleveland County Fairgrounds Farmer's Market selling Gaillardia seed
Bristow	Dr. Chip Cooper 405-367-5531	Dr. Doyle McCoy will lead a group of wildflower enthusiasts. Bring a camera and be sure to call for info.
Oklahoma City 1:00 p.m.-4:00 p.m.	Mike Bush Myriad Gardens 405-232-1199	Oklahoma City Beautiful, Inc. will end their 2nd annual Penny Roundup and Canister Contest. Gaillardia will be offered for sale.



Readings You'll Like

Compiled and Recommended by the *Gaillardia* Staff

The National Wildflower Research Center in Austin, TX includes ONPS in its 1989 handbook, The National Wildflower Research Center's Wildflower Handbook, 337 pages, lightly illustrated (no color) but full of information.

Published in paperback at \$9.95, the handbook is roughly divided into three main sections: 1) "how to" features on meadow mixes, landscaping, roadside projects, seeds in bulk; 2) "information sources," including our ONPS and others nation-wide; and 3) Bibliography and commercial sources for seed and native plants.

To become a member of the Center (categories from \$25 up), and qualify for the newsletter and other benefits, contact your *Gaillardia* staff, or write to:

Membership
National Wildflower Research Center
2600 FM 973 North
Austin, TX 78725-4201

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Pods -- Wildflowers and Weeds in Their Final Beauty, a Scribner's paperback (1979, 189 pages, \$14.95), and a color-photo-filled extravaganza of possibilities, "from flower...to pod...to dried arrangement." Gives good, if brief, advice on when to pick and what to do, while concentrating on aesthetic appreciation

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If you've not seen ONPS member Betty Wold's new quarterly, *The Herbal Gazette* (with co-editor Barbara Downs), you've a treat ahead. Even those not particularly herb-oriented will find this witty and informative small publication irresistible for its wide-ranging applications. The editors make the subject of herbs a good deal of fun, too, and tips offered certainly can be useful to all variety of plant people. (Besides, wouldn't life be dull without herbs?) Appealing features in the April issue include a nice profile of Tina Lynn of A New Leaf (and ONPS member) and some intriguing book reviews in "from the bookshelf." You can subscribe to *The Herbal Gazette* for \$7.50 a year and get the back issues for \$2 each. Write to: Rt. #1, Box 105, Checotah, OK 74426.

Some items from two of the state's nature center newsletters this spring that you might like:

Bob Jennings writes in his "From the Stump" feature in the Oxley Nature Center newsletter some of his longing for winter, a time that used to be "slow" time, but no more because of so many winter activities. Still, he finds:

"...Winter ...one of the most beautiful times in the wild...Remnants of the summer flowers bloom again, this time with hoar-frost and ice crystals, like some ghostly recollection of their former beauty. Most of all, we notice the quiet, the relaxation from the push and tumble of the hurried summer. The quiet is almost a physical thing, like some unseen blanket, waiting for us to wrap ourselves in it for comfort."

And from Martin Park Nature Center naturalist Steve Thompson's piece, "A Weed is a Weed?" in the Center's March newsletter:

"I don't have any (weeds) in my yard. Now, I don't want you thinking that I am some super-gardener. I've got dandelions, henbit, chickweed and shepherds purse, to name just a few. By my definition, they're not weeds, they're right where I want them. Well, maybe I do have one weed: bermudagrass. It's probably the one thing my neighbors like about my lawn. Don't get me wrong. I like grass, and I like house plants, but a grass that crawls up on the porch, opens the door, and comes on in, is going too far."



Dear Readers:
You are invited to submit reviews and recommendations of books, articles, magazine issues, etc., that you think other ONPS members would enjoy. Please get them to us by **June 12.**

Growing Wild Flowers in Yards and Gardens -- Part 2

by Raymond Kays

In the previous issue of ONPS newsletter I encouraged you to consider planting wild flowers. I would hope that this effort might include plantings in parks, other public places -- possibly by interested students at public schools.

So that you might understand the diversity of Oklahoma native plants, may I point out several special conditions or circumstances of Oklahoma and Oklahoma people.

Do you know that in the U.S., Oklahoma ranks third in the number of genera and species of existing native plants, exceeded only by Texas and California? Need I mention the difference in area as well as climatic regions of both states. Oklahoma has great diversity of native plants and four climatic zones present plus differences in rainfall, soils and elevation. We should make a greater effort to obtain available Oklahoma-produced seeds and plants.

Are you aware that the National Council of State Garden Clubs, Inc. chairperson of Roadsides Beautification and Wild Flowers, Mrs. Aileen Roads Carter, is a member of the Tulsa Garden Club and a director of ONPS? She, during her years as chairperson, took the lead in initiating a program to compile a *Directory to Resources on Wildflower Propagation*. This book of more than 300 pages includes the principal wild flowers in the six geographic regions of the 48 contiguous states. It



includes information on each plant as submitted by hundreds of individuals such as common and scientific names, families, plant life cycles, suggested methods of propagation, seed treatment methods (where needed), moisture requirements, time of flowering as well as the height of mature plants.

The book was authorized to be printed in 1981. The National Council of State Garden Clubs financed it and provided leadership in seeking top botanists to organize and compile. The Missouri Botanical Garden personnel, Dr. and Mrs. Reed Rollins (Asa Gray Professor of Systematic Botany, Harvard University), did the exceptional work on editing and final preparation.

The book was made available at or below cost to libraries, garden clubs, and private citizens. ONPS personnel may be able to identify available reference copies in libraries and garden clubs.

In the next segment (Part 3), I hope to suggest ways I have observed to use wild flower displays to enhance the beauty of

small and/or large areas.

(The writer is Professor Emertus, Horticulture Department, Oklahoma State University.)

Tulsa's Tree Tips



In the Mayor's Tree Planting Team brochure, Spring 1989, Tulsa Mayor Rodger Randle encourages a new generation of trees to be planted on public and private property *now*.

Amongst species that do well in the Tulsa area, the program recommends Ginko, Thornless Honeylocust, Water Oaks, Southern Red Oak, Lace Bark Elm, Green Ash, Red Maple, Chinese Pistache, Loblolly Pine, Austrian Pine, Bradford Pear, and Yaupon Holly.

Besides the Up With Trees long-time involvement, and the new River Parks plantings with the Tulsa Tribune among sponsors, the Mayor suggests the best contact for getting involved (either in planting or choosing a location for donated support) is the Urban Forester at 707 South Houston, Suite 201, Tulsa 74127, phone (918) 596-7869.

The *Gaillardia* would like to hear about your tree planting activity, if your community has a similar program to this one in Tulsa.

The Gaillardia

Published bimonthly by the
Oklahoma Native Plant
Society, 2435 South Peoria
Tulsa, Oklahoma 74114
918-749-5859

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Vice-President: Paul Buck

Secretary: Donna Horton

Treasurer: Mary Byrd

Editorial Advisor: Marilyn Bell

Publicity: Irene McKee

Membership is open to any interested individual, family, or group. Membership dues cover the period from January-December. Dues pay for the cost of the newsletter and state and local programs. The Oklahoma Native Plant Society is a non-profit organization.



PHOTO NOTES



by John Miller
Photography Committee Chair

We will miss Rex Rader, not only for his and Eleanor's contributions through photography, but for the pleasant manner in which he, with Eleanor, volunteered their time and talents. With his passing, he leaves many joyful memories.

Every spring the wildflowers are a little different. Needless to say, they are all really great this year. I know you have been taking advantage of this, because we have been receiving your prints for the ONPS PHOTO CONTEST. The awards will be made on May 12. We are fortunate to have three outstanding judges this year. They are: David Halpern, professional photographer, whose photo show of the Rocky Mountain National Park is currently on display at the Department of Interior in Washington; Opel Thorpe, a retired public school art teacher with experience in photography; Ellis Zacharias, president of the Tulsa Photographic Society and an active member of Photographic Society of America. We appreciate their help.

In our last "Photo Notes" we offered to help with photo workshops. Ten people went on trip to east side of the Illinois River on April 19. Cyndy Harnett helped to organize the group. Although one spot was very dry, the dogwoods were beautiful and we had a good time. At Tuley Creek we saw interesting rock formations and beautiful yellow mustards. We think we got a few habitat shots for the contest. Hope so!

By the time you read this, our first photo workshop will be in the past, but no problem! Just let us know you are interested and we will do it again. Small groups are best for this activity.

HELPFUL HINT: If you are disappointed in the way your prints turn out, it may not be your fault. Study the negatives. If they show good sharp detail, the lab is probably at fault. Photo labs often get the color wrong and/or wash out the prints. When this happens, don't be afraid to ask them to print your work again. They should do it without charge.

See you at the Oklahoma Wildflower Workshop in Alva, May 12-13!



NEW NOTECARDS OFFERED TO ONPS

Elisabeth deBoor, a botanist and ONPS member from Stillwater, has prepared five sets of notecards for us. The drawings on the cards are botanically accurate and extremely attractive. Elisabeth has prepared them for use in the Flora of Oklahoma project. Sets of cards are available in assortments of 12 in ziplock bags as follows:

Pkt. 1: Thistle (12 ea./pkt)

Pkt. 2: Woody Plants--(1 ea.) *Magnolia grandiflora*, *Populus deltoides*, *Quercus* sp., *Platanus occidentalis*, *Bumelia lanuginosa*, *Liquidambar styraciflua*, *Carya texana*, *Fraxinus pennsylvanica*, *Ilex decidua*, *Pinus echinata*, *Acer Saccharum*, *Juniperus virginianum*

Pkt. 3: Herbaceous Plants #1 (2 ea./pkt): *Aster* sp., *Polygonum pennsylvanicum*, *Verbena* sp., *Claytonia virginica*, Unnamed grass, *Linum sulcatum*

Pkt. 4: Herbaceous Plants #2 (2 ea./pkt): *Helianthus annuus*, *Tribulus terrestris*, *Eragrostis* sp., *Oxalis* sp., *Valerianella* sp., *Monarda punctata*

Pkt. 5: Herbaceous Plants #3 (2 ea./pkt): *Anemone caroliniana*, *Mollugo verticillata*, *Phytolacca americana*, *Eragrostis* sp., *Solanum torreyi*, *Cerastium* sp.

Each packet will cost \$4.00 for ONPS members if purchased at meetings. Members may also order the packets by mail by sending \$5.00 to cover the cards and postage and handling to: Elisabeth deBoor, 213 West Elm, Stillwater, Oklahoma 74074.

To whet your appetite for the cards, we have reproduced a few of her drawings throughout the newsletter. Native plant lovers will want to have one of each set to use and to give for gifts.



Phytolacca americana

Of Golden Bells and Dutchman's Breeches

By Larry Magrath, Conservation Committee Chair

The Oklahoma Academy of Science Spring Field Meeting was held at Beaver's Bend State Park April 14-16. It was, as always, a wonderful opportunity to visit with others who enjoy and appreciate the beauty of Oklahoma. It also proved to be the occasion to appreciate a new flowering plant for Oklahoma that had just been found the week before by Dr. Ron Tyrl's botany class from Oklahoma State University when they were visiting Rich Mountain in LeFlore County. The new plant is a beautiful little trillium (*Trillium pusillum* var. *ozarkanum*)---the Ozark Wake Robin. This elegant little trillium was found near one of the "vista" stops along SH 1 just a few miles west of the Arkansas/Oklahoma state line. It was found growing in sedge covered areas in partial shade from hickory trees on the summit of the mountain. The plants were generally about 3 to 8 inches tall with white flowers that faded to a dark pink. The population that I had a chance to inspect appeared to be quite well established and was producing many new seedlings. This trillium is known only from southern Missouri and northeastern Arkansas and is thus endemic to the Ozark region.



Uvularia grandiflora

While on Rich Mountain---which is truly well named---several of us had a chance to enjoy one of the most impressive colonies of golden bellwort (*Uvularia grandiflora*) that I have ever been privileged to see. One whole slope of the mountain was covered with bellworts just coming into bloom, and it was almost impossible to walk (climb?) without stepping on these golden flowered beauties. There were also other flower of note, such as: wild sweet william (*Phlox divaricata* var. *lophamii*), yellow dog-tooth violet (*Erythronium americanum*), may apple (*Pedophyllum peltatum*), ozark spiderwort (*Tradescantia ozarkana*), dutchman's breeches (*Dicentra cucullaria*), wild hyacinth (*Camassia scilloides*), false Solomon's Seal (*Smilacina racemosa*), Solomon's seal (*Polygonatum commutatum*), and Jacob's ladder (*Polemonium reptans*).

Several of these plants can be successfully transplanted into a wildflower shade garden if one is willing to spend a little extra time to properly prepare the area. The area needs to be in full shade or at least be shaded during the afternoon, and have rich loamy soil (leaf mold or from your compost heap). The plants that I would recommend trying to transplant (i.e., I have transplanted successfully myself are: spiderworts, wild sweet william (*P. divaricata* and *P. pilosa*), wild hyacinth, false

Solomon's seal, Solomon's seal, wild ginger (*Asarum canadense*), may apple and violets (*Viola papilionacea* -- common violet, *V. sagittaria* -- arrow leaved violet, *V. pennsylvanica* -- smooth yellow violet).

If you are trying to start a woodland wildflower garden, it is best to order plants from a nursery, or get starts from friends who have already established their own garden. If, however, you transplant plants from the wild, please observe the following rules. One--take plants only from areas where there are well established populations---NEVER take the only plant from an area--no matter how beautiful it is or how much you might want it. Two--take only 1 or 2 plants and see how well you do with them. It makes no sense to take several plants (no matter how abundant they are) and have them all die. Above all, remember that as a lover of wildflowers you and everyone else can best enjoy wildflowers in their natural home--that is "in the wild."

Rare Plant Work at Oklahoma Natural Heritage Inventory Seeks Volunteers

By Pat Melhop -Cifelli

PART II of a two-part article.

In the January-February issue of Gaillardia, you read Part I, which described the Heritage Inventory of rare plants, currently 232 species, and the need to collect information on species rare in their range. To help botanist Linda Watson determine detail about Oklahoma plants (their rarity, location and population size), please send her your observations.

Native Plant Society members can help the Oklahoma Natural Heritage Inventory in several ways. First, let Linda know the precise location of sites where any of the top priority species occur. Secondly, volunteer to search for a certain species at specific sites that Linda has identified as having potential for the species. (Included at the end of this article is a list of 28 of the 49 top priority species for which Linda needs information.) Thirdly, monitor or help manage a species at a known site over many years. Only those members who make a hobby of searching for rare plants and who are skilled at plant identification probably will be able to help in the above ways.

Another way Society members can help is to conduct an initial check of a site to determine whether it merits field survey work. This last activity requires only that a person not complain about getting shoes dirty, feet wet, or finding that a former wetland is now a cornfield or housing development. **Let the Heritage Inventory know of your willingness to volunteer for any of these activities. Just fill out the volunteer form below and mail it to:** Oklahoma Natural Heritage Inventory
Sutton Hall, Rm. 303
625 Elm Street
Norman, OK 73019

Oklahoma Natural Heritage Inventory: Priority List of Rare Plants (Scientific names in italics.)

Alnus Maritima, Seaside Alder
Draba Aprica, Open-Ground Whitlow-Grass
Leavenworthia Aurea, Golden Glade Cress
Lesquerella Angustifolia, Thread-leaved Bladderpod
Streptanthus Squamiformis, a Jewelflower
Silene Regia, Royal Catchfly
Cuscuta Attenuata, a Dodder
Amorpha Quachitensis, Ouachita Mountain Indigo
Psoralea Reverchonii, Rock Scurf-Pea
Frasera Coloradensis, Colorado Gentian
Monarda Stipitatoglandulosa, a Horse-Mint
Gaura Demareei, Demaree's Gaura
Phlox Longipilosa, Long-Hair Phlox
Phlox Oklahomensis, a Phlox
Thalictrum Arkansanum, Arkansas Meadow-Rue

Hedyotis Ouachitana, a Bluet
Parnassia Grandifolia, Large-Flowered Grass-of-Parnassus
Penstemon Oklahomensis, Oklahoma Beardtongue
Tomanthera Auriculata, Barleaf Foxglove
Tradescantia Ozarkana, Ozark Spiderwort
Carex Fissa, a Sedge
Carex Latebracteata, Waterfall's Sedge
Eriocaulon Koernickianum, a Pipewort
Cypripedium Kentuckiense, Southern Lady's-Slipper
Platanthera Praeclara, Western White-fringed Orchid
Calamovilfa Arcuata, a Sandgrass
Asplenium Bradleyi, Bradley Spleenwort
Asplenium Septentrionale, Northern Spleenwort

Nature Conservancy of Oklahoma Volunteer Form

NAME: _____

ADDRESS: _____ CITY/STATE/ZIP _____

PHONE (office): _____ PHONE (home): _____

COUNTY or REGION of state most desirable for me to volunteer: _____
TYPE OF WORK I can provide (you may check more than one):

_____ Supply information on rare plant sites from information in my files. Species are:

_____ Look for a given plant at certain designated sites. List plant families or taxa you know best:

_____ Do a preliminary check of a site to determine if it has potential to be a quality natural area.

_____ Monitor or manage a species or plant community over several years at a designated site.

Please don't knock the Stiff Goldenrod A nurseryman's opinion

Unlike the Canada goldenrod, stiff goldenrod (*Solidago rigida*) does not invade the garden with rhizomes, but is well-behaved, stays where it's planted and multiplies by seed only.

So goes one of several recommendations of this "great plant" by Neil Diboll in *Flower & Garden* recently. Also, the yellow flowers bloom late in the season when most other flowers are gone, providing a critical nectar

source for butterflies. And, of course, this plant does not cause hay fever, and does produce silvery seed heads (once the seeds mature and fly off) that are excellent in dried arrangements.

The writer says Americans are finally finding out that goldenrods make wonderful additions to any garden, something the English have known for centuries. Diboll is with the Prairie Nursery in Westfield, Wisconsin.

CLASSIFIEDS

The Plant Ranch -- producing wildflowers, herbs and perennials; garden consulting. The Compleat Gardener. (918) 425-7142. Richard Dahlke, Tulsa.

Like Mushrooms? Graduate assistantship available in Mycology. Duties include teaching and maintenance of a fungal herbarium. Contact: Dr. Kenneth Conway, Professor, Oklahoma State University, Dept. of Plant Pathology, Life Sciences East 104, Stillwater, OK 74078; (405) 624-5643.

New Magazine! Green Country Gardener, published by Gary V. Shaum, ONPS member and former Extension Agent in Rogers County. First issue (April '89) toasts "Year of the Wildflower" article. Only \$9.97 for 12 issues. Mail payment to: Green Country Gardener, P.O. Box 249, Catoosa, OK 74015.

New naturalist, Steve Thompson, at Martin Nature Center in Oklahoma City, requests seeds of native plants, seedlings and planting assistance at the nature center. Call Steve if you can help at (405) 755-0676.

Give to the Anne Long Fund. Send your tax deductible contribution to: Mary Byrd, ONPS Treasurer, 5819 S. Evanston, Tulsa 74105.

Celebrate Spring! Join the National Wildflower Research Center. A \$25 supporting membership brings Wildflower newsletter and journal, PLUS 10% discount on gift items. Make check

payable to: National Wildflower Research Center, and mail to: 2600 FM 973 North, Austin TX 78725-4201.

Beautiful, romantic Quartz Mountain, site of ONPS' Annual Meeting Nov. 4-5. Mark your calendar now.

Special T-shirts: to benefit OU Botanical Society fundraiser, Oklahoma wildflower T-shirts are available for \$8. Styles include *Penstemon Oklahomensis* (endemic to Oklahoma) and *Gaillardia Pulchella*, state wildflower. Request normal S,M,L size. Contact: Andrea Wolfe, University of Oklahoma, Dept. of Botany, Norman, OK 73019.

Publications, posters, etc. from the Oklahoma Dept. of Wildlife Conservation, 1801 N. Lincoln, P.O. Box 53465, Oklahoma City, OK 73152. Of special interest: *Oklahoma's Natural Symbols*, \$2 poster.

Nursery wildflowers & perennials from niche gardens, Rt. 1, Box 290 Dept. H, Chapel Hill, NC 27516. Catalog \$3.

Wildflower seed catalog: Send \$0.50 for new illustrated copy, with facts, folklore and culture: Midwest Wildflowers, Box 64H, Rockton, IL 61072.

Colorado Wildflowers: Established plants shipped in pots. Send SASE for free list. Colorado Alpines, P.O. Box 2708, Avon, Colorado 81620.

Place a free ad. Send info to ONPS/2435 S. Peoria/Tulsa/ 74114. Copy due June 12.

Time of the Species: Some of the Debate

In our own backyard, the Pacific Northwest, concern for the Spotted Owl has given environmentalists legal backup. In April the owl was awarded "endangered species" status to the chagrin of the lumber industry, so it is protection of the owl, not its forest habitat, vying with the loggers. We don't yet have an "endangered ecosystem" act, but we can have some solace: the world is learning that not just in Brazilian rain forests, but world-wide, we must act fast to preserve our resources. Below are highlights from a related concern reported in a recent issue of "Science."

The biodiversity crisis, as the worldwide loss of species is called, involves one certainty, if the only one: it has in a short time become a generally known peril. Within the scientific community, startling new evidence that tropical rain forests are disappearing at a faster rate than previously believed has everyone pretty much agreed on the urgency required. What to do and how remains debateable.

The debate doesn't rage about causes for habitat destruction -- population growth, economic development and international debt -- but how to set priorities. The rift between systemists desiring detailed inventories and taxonomic studies, and conservation biologists continues as both groups are vying for a very small pot of funds.

Conservationists are divided in which strategies to pursue. Some advocate focus on critical "hotspot" areas. The "mega-diversity" countries might be favored, which are the 13 countries housing some 60% of the world's species. Some argue we cannot afford to pay attention to many species already doomed, *i.e.*, preserve endangered species. Is land management of the 85% of the world that is nonurban and nonagricultural where most species reside the higher goal?

Whatever solution is settled upon, few argue with Thomas Lovejoy's (of the Smithsonian) comment: "Most of the great environmental struggles will be either won or lost in the 1990s...by the next century it will be too late."

Clearcutting Panel Airs Views

On Saturday, April 15, during the Oklahoma Academy of Sciences Meeting at Beavers Bend State Park, a panel of six gave their views on clearcutting in the Ouachita National Forest and on clearcutting practices in general. Following are quotes taken from the abstracts of each speech presented.

Pat Melhop-Cifelli, Oklahoma Natural Heritage Inventory: "...Protection of the biodiversity of southeastern Oklahoma requires that we: 1) know precisely where the rare biota are located and afford it adequate protection; 2) protect adequate (usually large) acreage of all community types in the region; and 3) develop a protection plan prior to a logging plan. Protection need not exclude logging or other forestry practices for all areas, but it would exclude it from some, probably many, areas. Certainly, protection would exclude clearcutting because of the destructive nature of that practice. Clearcutting should be permitted only if and where it will not be detrimental to the region's biodiversity."

Mike Dahlem, Land & Timber Manager, Weyerhaeuser Company: "As forest managers, we must continue to recognize that both even-aged and uneven-aged management systems are valuable and viable silvicultural alternatives whether practiced on private or public lands! The management method of choice is dependent on the resource objectives. Several factors must be considered before finalizing any decision about specific management practices: 1. Economic Constraints. . . . 2. Environmental Considerations. . . . 3. Social Considerations 4. Biological Constraints 5. Technological Opportunities. . . . 6. Physical Limitations"

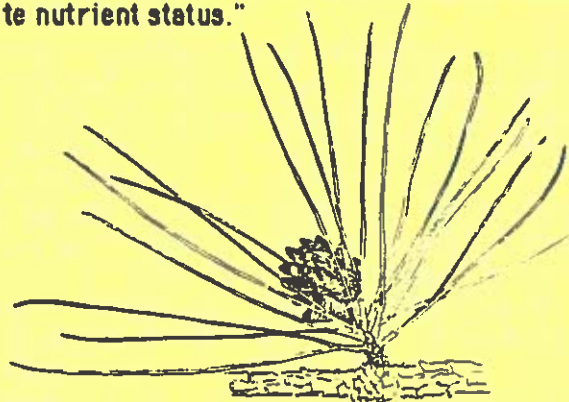
Ivan S. Cupp, U. S. Forest Service: "The U.S. Forest Service has the federal responsibility for national leadership in forestry. Its mission is to provide a continuing flow of natural resource goods and services to help meet the needs of the nation, and to contribute to the needs of the international community....The Winding Stair National Recreation Area and Wilderness Area Bill prescribed that any sales of timber from within the NRA and Indian National Scenic and Wildlife Area shall be designed so as to not detract from the scenic values of the area. The questions of clearcutting--when, where and whether--is far more complex. The conflict is not between Good and Evil. It is a disagreement about relative priorities and values. Many of the partners in this controversy share the same values, but their priorities are arranged differently."

Larry Neal, Staff Archaeologist, Oklahoma Archaeological Survey: "Several studies in the forest lands of Oklahoma and Arkansas have documented that

the plant management activity of clear cutting is ... destructive to archaeological sites. Clear cutting on private lands involves use of heavy equipment, and the roots of cut and unsuitable trees are frequently pushed from the ground and piled for burning. The ground is usually furrowed for replanting and to reduce erosion on sloping surfaces. Consequently, ground disturbance is extensive and tests on clear cut sites have demonstrated the destruction of context in the upper 20 inches and the disturbance of context locally for up to 40 inches below present ground surface....Alternative methods of timber harvest and reforestation are under consideration that might reduce the extent of disturbance to archaeological resources, but avoidance continues as the best alternative."

David Jennings, Sierra Club Member and Graduate Student in Biostatistics: "We are discussing public lands which can and should be used to provide benefits to society which are not being met by the private sector. More pine plantations, established at high costs on sites of low soil fertility, is not what society needs most. More simplified forest stands are not society needs. What we do need are areas where natural processes can continue to occur. What we do need are good role models for third world countries to see and emulate. Why should we use the Tiak district to compete with the private sector? Why not instead use those lands to manage for the ecological processes and communities which are not managed for on private lands?"

Dr. Edwin L. Miller, Hydrologist: "There are a number of water related concerns associated with the harvest and regeneration of forests. These are erosion, sedimentation, nutrient enrichment, water yield, flooding, pesticide movement and aquatic habitat maintenance, including stream temperature and stream bed and bank maintenance....Forest roads are a primary source of sediments....Streamside management is a critical component of water quality and aquatic habitat management....Nutrient outputs due to harvest and regeneration do not threaten stream water quality. Forest ecosystems are nutrient conservative and show net gains in most nutrient elements through time. Whole tree harvest systems should be examined in terms of the long term effects on site nutrient status."



President's Desk

OKC AREA MEETING NEWS

Proceedings of the last meeting, held on March 27 included attendance by the staff of Martin Park. Needs and plans for replanting a burned area were discussed. The group decided to help with the project during the fall.

Next meeting is set for 7:00 p.m. May 1 in the Myriad Gardens Classroom, 2nd Floor. The agenda includes a report of incorporating natural plants into the landscape led by Darlene Michael. Contact Pat Folley at 405-872-8361 for more details.

TULSA AREA MEETING NEWS

Next meeting is set for 7:30 May 4 at the Tulsa Garden Center. A brief slide show on the mushrooms of Tulsa County will be followed by a discussion of plans and projects for the local group. Contact Nora Jones at 918-749-5859 for more details.

MORELS FOOLED FORAYERS ON APRIL 1; OTHER FUNGAL FRONTS MORE FRUITFUL

As feared, morels proved elusive on the April Fool's Day Foray. Eighteen people ventured into an area near Redbud Valley that has been under consideration for purchase by the Nature Conservancy. We found few fungal fructations. The deadly *Galerina* (*Galerina autumnalis*) was spotted by Clark Ovrebo. This nondescript little brown mushroom (LBM) contains amatoxins, which cause death in about 50% of the cases of ingestion. Moral: know your mushrooms before you ingest them. "When in doubt, throw them out." Luckily, redbuds were blooming beautifully, and we were treated to an elegant display of Dutchman's Breeches.

On April 8 and 9, five forayers collected 150 morels along Heikey creek. The grey morel, *Merchella deliciosa*, was found in abundance, along with lesser numbers of *M. esculenta* and *M. semilibera*. The recurved cup fungus, *Peziza repanda*, was also present.

HARRIET G. BARCLAY BOTANY AWARD INITIATED AT OJAS SPRING MEETING

The Oklahoma Native Plant Society has initiated an unencumbered cash award to be given to the high school or junior high school student who presents an outstanding botany paper at the Oklahoma Junior Academy of Science (OJAS) State Meeting. The first annual award was presented to James Caldwell from McLoud High School for his paper entitled, "Vegetation of Island Number Two Lake Texoma 1960-1988." The award was especially appropriate because of the extensive field work done by Dr. Barclay at the Lake Texoma Research Station.

Over four hundred students were involved in 12 regional OJAS contests. 98 papers were presented at the state level held at Ada in early April.

Dr. Jimmie Pigg, Director of OJAS, wrote, "Your award helped the OJAS to have its best State Contest since 1936 when it was formed...We would like to encourage you to continue this award next year, because without your support this contest would be impossible."

Paul Buck and Jack R. Jones have provided funding for the first two years' awards. Other ONPS members who know and admire Dr. Barclay may wish to earmark donations for the botany award so that we may continue to give the award in the future.

-- Nora Jones

MEMBERSHIP FORM

Clip and mail to:

Oklahoma Native Plant Society, c/o Mary Byrd, Treasurer, 5819 S. Evanston, Tulsa, OK 74105

Membership is open to anyone who agrees with the goals of the society. Dues pay for the newsletter and for programs offered by the society. (Mark the appropriate membership category below and make check payable to the Oklahoma Native Plant Society.)

\$5 Student (SM) \$10 Individual (IM) \$15 Family (FM) \$_____ Contribution (Anne Long Fund)

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NATIVE PLANT EVENTS FOR YOUR CALENDAR

Date/Time

5/1
5/1 7:00 p.m.
5/3 1:30 p.m.
5/4 7:30 p.m.
5/12-5/13
5/13
5/20
6/1
6/19
7/15
7/30-7/31
9/15-9/17
11/4-11/5

Event/Location

Deadline-- Photo Contest
OKC Group Meeting
Myriad Gardens Classroom, OKC
Judging-- Photo Contest
Tulsa City County Library
Tulsa Group Meeting
Garden Center
Wildflower Workshop
Alva, Oklahoma
OK Nature Conservancy
2nd Annual Meeting, Poteau
State Wildflower Day
Field Trips-- See Article
and Schedule on Page 3
Deadline-- Logo Contest
Deadline-ONPS Newsletter
Aquatic Plants Field Trip
Details-June/July Gaillardia
Locust Appreciation Days
Field trips on trees, wild plants
& much more
Oklahoma Academy of
Science Fall Field Meeting
Sequoyah State Park
ONPS Annual Meeting
Quartz Mountain State Park

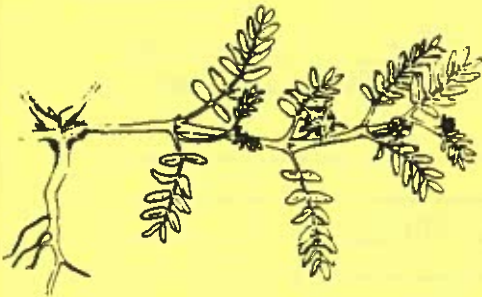
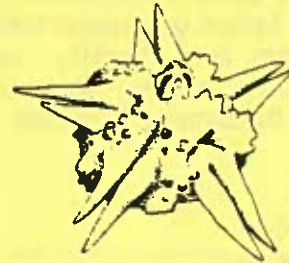
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