



NATIVE PLANT SOCIETY OF NEW MEXICO

NEWSLETTER

MARCH/APRIL 1989

Vol. XIII No. 2

BOSQUE DEL APACHE MOONLIGHT AND MEADOW MANIA

by
Judith Phillips

As anyone Bev Grady or I have spoken with in the past few months knows, things are happening at Bosque del Apache! Thanks in part to member donations we have the meadow seeds prechilling for the April 16th Meadow Making. Rabbits have been fairly kind to the Fall planted trees and shrubs although the stand of Wood's Rose is decidedly shorter and thinner. Those of you who have been to Bosque lately might be surprised to know that more than 350 plants are already in place. (I know when I look around, I'm surprised and I helped plant 'em. Winter is a humbling season...)

But back to the meadow (which looks bare because it is bare). Rabclais wrote (probably after weeding his garden) that "Nature abhors a vacuum." We are taking steps to fill the void before nature, in the form of tumbleweeds, rediscovers it.

April 15th and 16th will be our first work/study weekend at Bosque

del Apache. The weekend will start with a tour of the wetlands focusing on the management of the Refuge. Depending upon member response, tours will leave the visitor's center at 3:00 p.m. and /or 5:00 p.m. An early evening barbecue will be available at a cost of \$6.00 per person at the Refuge dining hall at 7:00 p.m. The menu will include barbecued beef, baked beans and potato salad—a first class meal complete with ice cream (for the birthday cake Gene Loring is bringing to celebrate his nativity as well as the birth of the Bosque Meadow.) Dinner reservations should be made with Bev Grady, 939 Bobcat Blvd. NE, Albuquerque, 87122 (275-0798) by April 5th. To reserve a place on one of the tours and/or overnight lodging at Bosque del Apache contact Terry Tadano, Refuge Assistant Manager, Monday through Friday between 9 & 4 at 835-1828. If you want to stay at the Bosque, reserve your place as soon as possible—there are a range of possibilities including a bunk house & RV or camper parking (self

contained except electricity). There are several other options for overnight off the Refuge including Bird Watcher's RV Park a few miles north on Hwy 85 and a range of motels in Socorro.

After dinner the evening is open for socializing, games of stump-the-botanist, updates on member activities and fieldtrips plans, even impromptu slide shows. Since we rarely have time at state-wide gatherings to do all the visiting needed, this time it's part of the program.

Sunday morning a continental breakfast will be provided for meadow maker at 8:00 a.m. in the dining hall, after which we get down to business--a good old-fashioned sowing bee. We will be broadcasting the seeds by species in drifts across the meadow area rather than mixing all the seeds and sowing shot gun style hoping seeds find a preferred microclimate. The area is large enough to keep the coneflower and Penstemon dry and the large sunflowers a bit wetter. The visual impact of contrasting masses of flowers will also be greater from a distance. Another case of co-operating with nature working better.

We'll scratch rake the seed into the surface and lightly mulch with native grass hay (as a source of a bit of seed, to help retain moisture in the seedbed and to fool the birds for at least 5 minutes....) The more foot traffic as we work the better as it will help firm up the seed bed, so the more the merrier--2 acres can hold a lot of feet!! The work will be light, the company and surroundings exceptional, so bring a hat, gloves, broom (leaf) rakes and your smiling face. See you in mid-April!!

April 15-16 Bosque del Apache Meadow

Seeding Day

Saturday: 3-5:00 p.m. and/or 5-7:00 p.m. Guided tours of the Refuge wetlands.

7:00 p.m. Barbecue Dinner and Socializing

Sunday: 8:00 a.m. Continental Breakfast

9-12:00 Sowing Bee

Contact: Overnight lodging and tour reservations--Terry Tadano, 835-1828
Meal Reservations--Bev Grady, 275-0798 or 939 Bobcat Blvd. NE, Albuquerque, 87122

BEAR MOUNTAIN GUEST RANCH



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BOTTLE BILL REVISITED

Once again the question of litter and in particular glass bottles rises with expectations of greatness with the 1989 New Mexico Legislature.

The New Mexico Public Interest Research Group, a non-profit, consumer and environmental protection advocacy group based at UNM has been formed to provide information about the proposed bill.

Benefits to a bottle bill include reducing litter, cutting tax dollars spent on litter clean up and new landfills, creating a recycling industry in the state and reducing energy consumption in manufacturing new glass products.

If you want to know more about the Public Interest Group contact them at Box 66, Student Union Building, University of New Mexico, Albuquerque 87131, phone 277-2758.

Of course, contact your state representatives to voice your opinion about a bottle bill for New Mexico.

CHAPTER REPORTS

Las Cruces

We had our first meeting of the new year February 8. This was primarily an organizational meeting to get back into botanizing and to learn about other conservation organization's projects. We did have a guest speaker, however, who gave us a slide show about new legislation to maintain adequate stream flow.

Patrick Smith is vice president of the New Mexico Wildlife Federation. He explained to us that in New Mexico one has to demonstrate beneficial use (diversion or impoundment) of running water to obtain a water right. These used include municipal and industrial needs, agriculture and fisheries. However, to preserve a stream for recreational purposes or to protect plant and animal communities adjacent to a stream, there is no legal avenue for obtaining a water right. Because this law was written when New Mexico was a territory and population was sparse, the people did not envision a future demand for preservation of water rights for wildlife, plants, fish or recreation.

There is currently legislation being introduced to maintain adequate instream flow which includes:

- 1) recognition that fish, wildlife and recreation are beneficial uses,
- 2) protection and respect of existing water rights,
- 3) authority granted to the state, at a minimum, to obtain water rights by purchase (condemnation of water rights is forbidden in this legislation),
- 4) the ability for the state to file for unappropriated flows.

Objections to this legislation have been expressed by agricultural groups who think future water rights would be restricted or over-appropriated. However, this legislation would not prevent impoundment or diversion of water downstream. Instream rights would

protect downstream deliveries. Increased instream flows would preserve higher water tables around stream beds, have a higher aesthetic value thereby increasing land values and be beneficial to native plant and animal population. There would be much fewer conflicts than the agricultural groups would have us believe.

What can we do? Write to your state senator and representative saying that you support the new legislation which would maintain adequate instream flow.

One Chapter's 1988 Year

In the Otero Chapter members are not just content on learning about native plants, they DO native plants. Following is a recap of their year's activities:

Members have made several trips to the Holloman Elementary School with visual education material and seeds to give away. Fresh flowers and slides were used in their presentations. They expect to expand their work to the 10th grade this year.

The chapter donated \$41.75 to the National Wildflower Research Center for posters for schools. In addition, the chapter supplied information to the Alamogordo School System about the programs available through the National Wildflower Research Center.

The Alamogordo Public Library received donated back issues of "Texas Highways".

The Otero Chapter plant sale's net was \$547.65 and another \$60 from book sales.

For the Otero County Fair, the Chapter collected, bagged, and gave away flower seeds.

Finally, the Otero Chapter is joining with the El Paso NPS to sow Mexican gold poppies along the eastern slopes of the Franklin Mountains.

Way to go Otero.

BOOKS AND SHIRTS

LISTING OF 02/22/89

	<u>Retail</u>	<u>NPS-NM Member Price</u>
Agaves of Continental North America (Gentry)	49.50	39.60
Amateur Botany in New Mexico (Schoenwetter)	.75*	.75*
Audubon Guide to Wildflowers, Western (Spellenberg)	13.50	10.80
Botanical Latin (Stearns)	38.95	31.20
Cacti of Arizona (Benson)	12.50	10.00
Cacti of Texas & Neighboring States (Weinger)	17.95	15.40
Classified Bibliography on Native Plants of Arizona (Schmutz)	6.50	5.25
Colorado Flora: Western Slope (Weber)	19.50	15.60
A Dictionary of Landscape Architecture (Morrow)	19.95	16.00
Edible Native Plants of the Rocky Mts. (Harrington)	10.95	8.80
Edible Wild Plants of the Prairie (Kindscher)	9.95	7.95
Fall Wildflowers of New Mexico (Martin)	14.95	12.00
Field Guide to Rocky Mountain Wildflowers (Craighead)	12.95	10.40
Field Guide to SW & Texas Plants (Niehaus, etal.)	12.95	10.40
Flora of the Great Plains (Great Plains Flora Assoc.)	55.00	44.00
Flora of New Mexico - reprint (Wooton & Standley)	44.00	37.00
A Flora of New Mexico (Martin & Hutchins)	write for current price	
Flowering Plants of New Mexico Second Ed. (Ivey)	19.95	16.00
Flowers of the Southwest Deserts (Dodge & Janish)	9.95	7.95
Flowers of the Southwest Mountains (Arnberger & Janish)	9.95	7.95
Flowers of the Southwestern Forests and Woodlands (Foxy)	12.95	10.40
A Garden of Wildflowers (Art)	12.95	10.40
Gathering the Desert (Nabhan)	14.95	12.00
Grasses of Southwestern United States (Gould)	15.95	13.60
Grow Native: Landscaping with Native & Apt Plants of Rocky Mts. (Huddleston)	8.95	7.20
Growing Wildflowers: A Cultivator's Guide (Sperka)	10.95	8.80
How to Grow Native Plants of TX & SW (Nokes)	26.95	21.60
How to Photograph Flowers, Plants and Landscapes (Fell)	9.95	7.95
Indian Uses of Native Plants (Murphey)	3.50	3.25
An Illustrated Guide to Arizona Weeds (Parker)	16.95	13.60
Jewels of the Plains (Barr)	19.95	16.00
Landscaping for Water Conservation (Johnson)	8.95	7.20
Landscaping for Wildlife (MN Dept. Natural Resources)	7.95	6.40
Landscaping for Wildlife (Henderson)	7.95	6.40
Landscaping with Texas Native Plants (Wasowski & Ryan)	23.95	19.40
Landscaping with Wildflowers & Native Plants (Ortho)	5.95	4.80
Management of SW Desert Soils (Fuller)	7.50	6.00
Medicinal Plants of the Mountain West (Moore)	8.95	7.20
Meet the Natives Eighth ed. (Pesman)	14.95	12.00
Mexican Roadside Flora (Mason & Mason)	19.95	16.00
Mosses: Utah and the West (Flowers)	7.95	6.40
New Mexico Grasses, A Vegetative Key (Potter)	8.95	7.20
New Mexico Range Plants (NMSU Circular #374)	3.00	2.80
100 Desert Wildflowers in Color (Dodge)	3.50	2.80
100 Roadside Wildflowers of Southwest Woodlands (Bowers)	3.95	3.20
Peyote: The Divine Cactus (Anderson)	10.95	8.80
Plants for Dry Climates (Duffield)	12.95	10.40
Photographing Wildflowers (Blacklock)	9.95	7.95
A Practical Guide to Edible & Useful Plants (Tull)	23.95	19.20
Prairie Propagation (Rock)	3.50	3.25
Rare & Endemic Plants of New Mexico (NM NPPAC)	12.95	10.40
Roadside Geology of New Mexico (Chronic)	9.95	7.95
Roadside Plants of Northern New Mexico (Tierney)	9.95	7.95
Roadside Wildflowers of Texas (Wills)	12.95	10.40
Rocky Mountain Alpines (Williams, editor)	35.00	28.75

* = postage paid

More items and ordering information on the other side.

Rocky Mountain Flora (Weber)		14.50	11.70
Rocky Mountain Wildflowers (Dannen)		3.95	3.20
Seeds of Wildland Plants (Young)		24.95	21.50
Shrubs of the Great Basins (Mozingo)		19.95	16.00
Shrubs & Trees of the Uplands (Elmore)		9.95	7.95
Soils of the Desert Southwest (Fuller)		4.95	3.50
Southwestern Landscaping with Native Plants (Phillips)	HB	27.95	22.40
	SB	17.95	14.40
Spring Wildflowers of New Mexico (Martin)		12.95	10.40
Summer Wildflowers of New Mexico (Martin)		12.95	10.40
Texas Wildflowers: A Field Guide (Lohmiller)		11.95	9.60
Trees & Shrubs of SW Deserts (Benson & Darrow)		49.50	39.60
Trees, Shrubs & Woody Vines of the SW (Vines)		52.50	42.00
The Tumbleweed Gourmet (Niethammer)		20.00	16.00
The Weaver's Garden (Buchanan)		16.95	13.60
Wildflower Folklore (L. Martin)		16.95	13.60
The Wildflower Meadow Book (L. Martin)		12.95	10.40
Wildflowers: A Macmillan Field Guide (Mohlenbrock)		9.95	7.95
Woody Plants of the Southwest (Lamb)		12.95	10.40

Southwestern Wildflower Notecards by Lily Byrd		5.00	4.50
8 card assortment includes: Columbine, Locoweed, Rabbitbrush, Globemallow, Yarrow, Indian Paintbrush, Coneflower and Thistle			
Native Plant Postcards by Beth Dennis (Assorted Black & white designs)		0.25	0.20
		6/1.25	6/1.00


T-Shirts 50/50 poly/cotton. Sizes: S,M,L,XL Price: \$6.00
 Sweatshirts 50/50 poly/cotton. Sizes: M,L,XL Price: \$11.00
 NPS Logo - Coneflower (Tan w/ green ink)
 10th Anniversary Design (Turquoise w/ black ink)
 Some sizes limited.

Postage: Add \$1.00 for each book; \$.50 for each t-shirt or sweatshirt;
 \$.25 for each notecard set or 6 postcards.

Make checks payable to: NPS-NM Books, P.O. Box 1206, Portales NM 88130
 Allow 4-5 weeks for shipping.

Prices subject to change due to publisher increase.
 This list supercedes all others.

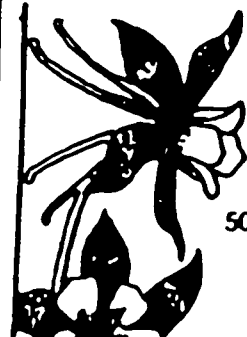
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CALENDAR

Santa Fe:

March 15 7:30 p.m. at St. John's College, Rm. 122 in Laboratory building. Dr. Roger Peterson, tutor at St. John's, on alpine flora of New Mexico.

April 19 7:30 p.m. at St. John's College, Mil Fleig, retired landscape architect from N.M. Highway Dept., on native windflower use along highways.

Las Cruces

Meetings are held the second Wednesday of the month at 7:30 p.m. in Room 190, Ag. Bldg., NMSU

Fieldtrips are held on the Sunday before the second Wednesday. Assemble at the NMSU Pan Am Center north parking lot. For all field trips, bring lunch, water and a hat.

April 9 7:00 a.m. Fieldtrip to Jarilla Mts.

April 12 7:30 p.m. Meeting Dave Richman speaks on Snakeweed

May 7 8:00 a.m. Fieldtrip Bishop's Cap

May 10 7:30 p.m. Meeting Guest speaker from Nature Conservancy on Endangered Plants.

June 11 8:00 a.m. Fieldtrip Kilbourne Hole--East Potrillos

June 14 7:30 p.m. Meeting Melanie Florence on The Influence of Geomorphology on Plants

Otero

March 19 10:00 a.m. Wilderness Park Museum in El Paso. On Dyer look for the Transmountain sign on your right. The Park is 2000 Transmountain.

April 8 9:00 a.m. Cactus trip with Dee Umberson. Meet at the Holiday Inn parking lot in Alamogordo to go to Ororgrande.

May 13 Plant Sale!!! Garden Center, 10th and Oregon 9:00 a.m. to 1:00 p.m. Lucille Wilson in charge. EVERYBODY HELP

Albuquerque

April 5 7:30 p.m. Albuquerque Museum on Mountain Rd. in Old Town. Subject to be announced.

May 3 7:30 p.m. Subject to be announced.

New Native Plant Nursery?!

Ted Hodoba, past president of NOS-NM along with the aid of his wife and son are developing a new native plant nursery in Veguita. We wish him success.



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Tips to Photographing Wildflowers
(as printed in the Austin American-Statesman, March 26, 1988 by John DeHart Smithers)

Flower photographs are much more appealing if they are sharp. Here are some suggestions to increase the detail in your flower photos:

1. Focus on the closer elements within the photograph composition.
2. Cut down on camera movement by using a tripod and a cable release attached to the shutter button. Bogen, Cullman, Gitzo and Slik all make nifty tripods with legs that "swing out" allowing the camera be very close to the ground, at flower level.
3. Photograph flowers in early morning or later afternoon when there is less wind (and good lighting). Watch the flower through the viewfinder and shoot when you "see" that the flower is still. If the wind is persistent, use a fast shutter speed, like 125th or 250th of a second to "freeze" wiggly flowers.
4. Let's say you are photographing a flower close-up and you want everything from petals to pistils to be crystal clear. Put your camera in the "Manual" or "Aperture Priority" mode. Select a higher lens aperture number (f/11 through f/32). Remember, when the aperture number is higher, the aperture opening is smaller and more will be in focus in the photograph. Now, if you are in

the Manual Mode, slow your shutter speed until the exposure indicator reads correctly, or you will underexpose the shot. Now, watch the flower and wait for it to be very steady before you shoot.

5. The use of a flash or ringlight strobe will freeze moving flowers, allow you to use a small aperture opening, increase sharpness and can make the background go "black". Flash units should be attached to a remote cord so that they can be hand held, thereby accurately aimed toward the flowers at the photographer's discretion. Ringlights are a wonderful means of lighting flowers at a distance of about one to 20 inches away. Most ringlight strobe heads screw onto the end of your lens, putting out omnidirectional lighting thereby creating a low contrast effect all their own. Among the companies that make ringlights, I recommend Canon, Nikon, Olympus and Sunpak.

Other ways to increase the sharpness of your photos include the use of medium or large format cameras; keep your lens clean; and for slides, use Kodachrome 25 and 64 for sharpness, Fujichrome 50 and 100 for enhanced colors. Stay patient; stick to basic technical rules, but most of all, have fun!

(Smithers will be lecturing at the NWRC Wildflower Seminar April 14 and is being sponsored by Fuji Film and the NWRC to teach Wildflower Photo Workshops this April and May.)

MEMBERSHIP APPLICATION

Name _____

Address _____

Phone No. _____

Other interested family members:

Please enclose your check payable to:

Native Plant Society of New Mexico
P.O. Box 5917
Santa Fe, NM 87502

Annual Dues:

___ Individual & Family \$8.00
___ Friend of the Society \$25.00

Please send a gift membership and card to:

To better serve our membership, please check areas of particular interest.

Conservation:

___ Endangered species, Habitats

___ Restoring abused areas

___ Water conservation

___ Propagation ___ Seed Collection

Landscaping: ___ Residential

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Special Uses: ___ Food ___ Fiber

___ Medicinal ___ Dyes

___ Photography ___ Field Trips

___ Ethnobotany ___ Paleobotany

___ Growing for resale

___ Informal classes

___ Newsletter ___ Youth projects

___ Organize new chapter

___ Membership drive

___ Other (please specify)

How would you describe your level of expertise? What areas would you be willing to help with?

Are you a member of an organization with related purposes (Garden Club, NM Wildflower Association, etc.)?

CHAPTER CONTACTS

Albuquerque: Walter Graf, 4735 W. Lea SW. 87105.
 (877-6469)
 Las Cruces: Melanie Florence, R.T. 1 Box 711.
 Las Mesa. 88044. (525-3529)
 Otero County: Jean Dodd, 1302 Canyon Rd..
 Alamogordo. 88310. (434-3041)
 Santa Fe: Mimi Hubby, 525 Camino Cabra. Santa Fe. 87501.
 (983-1658)
 Silver City: Beck Smith. (538-5350)

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 87105
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CDRI Native Plant Sale

The ever popular Chihuahuan Desert Research Institute's Native Plant Sale will be Saturday, April 29 from 9:30 a.m. to 5:00 p.m.

A majority of the plants available are obtained through Mountain State Nursery in Phoenix. The CDRI has been making bulk seed collection of desirable Chihuahuan plant species and supplying them to Ron Gass owner of Mountain States Nursery to supplement his already astounding inventory of plants for arid-land regions. Mountain States makes these plants available on a wholesale basis only to private nurseries, landscapers, developers, agencies, and non-profit organizations thought the Southwest.

CDRI is located three miles south of Ft. Davis, Texas, on Highway 118.

BALLOT FOR NEW MEXICO NATIVE PLANT SOCIETY

Vote for one each .

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