

Native Plant Society of New Mexico

NEWSLETTER

April, May, June 2007 Volume XXXII Number 2

2007 State Meeting

Cornerstones: Native Plants in the Four Corners

August 2-5 ** Farmington, New Mexico

This year's state meeting will be hosted by the San Juan Chapter -- the first time that our chapter has hosted the meeting. We are excited to welcome the rest of the society to our corner of New Mexico! Many of you may have never visited the Four Corners area, and this meeting will provide a great introduction to its ecosystems, as well as insights into many other familiar plants.

The theme is "Cornerstones: Native Plants in the Four Corners." Native plants form the foundations of ecosystems, not just in New Mexico but everywhere. They are the cornerstones of life on earth. The critical role of native plants in their environments is our focus. Although the flora of the Four Corners has a great deal in common with that of other parts of New Mexico, it offers much that is unique.

Speakers Ken Heil, Al Schneider, and Arnold Clifford will provide an introduction to the flora of the Four Corners. Ken has been involved in an eight-year project to create a flora of the entire San Juan Basin, resulting in the discovery of many state records as well as some previously unknown plant species. Al is an accomplished photographer who has created an extensive online compendium of Four Corners native plants. Arnold is Diné (Navajo) and has an encyclopedic knowledge of

Four Corners flora, the habitats and geology in which it thrives, and the plants' Navajo names and uses. Clint Francis and Don Hyder will discuss the interrelationships of native plants and the web of avian and insect life. Barney Wegener will talk on the impacts of livestock on the health of native ecosystems.

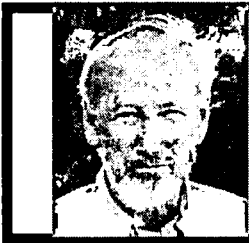
Our keynote speaker, Peter Kakos, an archaeologist with the Navajo Nation, will discuss Southwestern plants' impacts on human populations throughout the world.

We also have papers by Tim Reeves about the

(Continued on Page 5)

INSIDE

From The President...	2
Parabotanists Needed: Floristic Atlas...	4
NPSNM Job Announcement...	6
Plant Salvage Update...	6
2007 State Meeting Schedule...	7-10
Chapter Activities and Events...	12-14
Landscaping for Butterflies Workshop...	15
2007 State Meeting Registration...	16



From the President

Chick Keller

The recent meeting of the NPSNM board resulted in some new and far-reaching initiatives. I hope it will be the start of new directions for our society.

One of the defining issues discussed at the meeting was how to give chapters more value from the state organization. I had asked chapters to give input on what their needs were and what they would like to get from state. We discussed many of your points and came up with some changes that we hope improve our society.

Four significant actions were taken:

1. E-mail discussion group: I have felt that there is additional need for more direct communication with and among chapter presidents. To do this, NPSNM will establish an executive email discussion group. I hope this informal group will enhance sharing of chapter successes, problems, gripes, kudos – as well allowing me to bring up items for general discussion and input. I also asked for chapter presidents' reaction to my idea of a luncheon for them during the upcoming state meeting, to allow them to get to know each other better. There could be a short program for sharing and discussion of issues common to chapters. They may wish to invite state officers or try this among themselves. There could also be regional get-togethers of chapter presidents (possibly other chapter officers) sometime during the year.

2. More money to chapters: After extensive discussion at the meeting, the board voted to establish an experimental program (to be evaluated after one year) that sets aside an extra \$2,500 for chapters. This money will be given out in maximum amounts of \$500. Any chapter may write a short description of the need and what it would do with the funds -- enhance society activities, visibility, etc. These requests will be evaluated by the board, probably at the summer meeting. (A formal call will be forthcoming.)

3. Hire a statewide coordinator: The board acknowledged that a state coordinator for programs, workshops, and publicity would be of considerable benefit to chapters, making it easier

for them to set up their own programs and to have more multi-day workshops for their members. The board set aside \$1,000 per month to pay such a person. Details appear on page 6 in this newsletter.

4. Increased funding for Grant Program: The Finance Committee recommended, and the board agreed, to increase funds available for the Grant Program from \$5,000 to 7,500. [Chapters with specific projects can still request up to \$1,000 in this program in addition to Item #2 above.] A good example of these grants is the one the Taos Chapter just won for refurbishing and erecting a larger greenhouse (donated to them) for growing native plants for their sales.

The board dealt with a variety of other issues, and I encourage you to ask your board members to report on them at your meetings. Of particular importance was the lengthy and useful discussion on fund raising and on retention of new members, 60 percent of whom quit after two years.

As usual, I welcome your reactions to these new initiatives.

We left the meeting with that buoyant feeling that the society is continuing to better itself and its ability to enhance appreciation and protection of our rich native plant heritage.

And returning to a suggestion I made in the last newsletter, UNM Herbarium Director Tim Lowrey has initiated an effort to make an atlas of plant locations across the state. The main need here is to more thoroughly collect plants in the state's eastern counties. Volunteers are needed to collect in selected regions. A one-day workshop will be held at UNM April 21 to teach volunteers how to do the collecting. The point here is that it's not enough to say you saw this or that species. There must be vouchered specimens in recognized herbaria so others can study them. See the parobotanist article on page 4 and on the NPSNM website.

So many good things are going on in our society that it is apparent that we are growing in enthusiasm and dedication. Get out there and catch hold of some of the fun.

Volunteer Vacancy!

NPSNM needs a new Finance Committee Chair. If you're interested, please contact Chick Keller at 505-662-7915.

This NEWSLETTER is published quarterly by the Native Plant Society of New Mexico, a nonprofit organization, and is free to members. The NPSNM is composed of professional and amateur botanists and others with an interest in the flora of New Mexico. Original articles from the Newsletter may be reprinted if attributed to the author and to this Newsletter. Views expressed are the opinions of the individual authors and not necessarily those of NPSNM.

Manuscripts and artwork are welcome and should be submitted to the editor, Renée West at:

keywestern@hotmail.com OR:

1105 Ocotillo Canyon Dr., Carlsbad NM 88220

Next Deadline is June 1, 2007

Membership in the NPSNM is open to anyone supporting our goals of promoting a greater appreciation of native plants and their environment and the preservation of endangered species. We encourage the use of suitable native plants in landscaping to preserve our State's unique character and as a water conservation measure. Members benefit from chapter meetings, field trips, publications, plant and seed exchanges, and educational forums. A wide selection of books dealing with plants, landscaping, and other environmental issues are available at discount prices. The Society has also produced two New Mexico wildflower posters by artist Niki Threlkeld and a cactus poster designed by Lisa Mandelkern. These can be ordered from our Poster Chair or Book Sales representative.

Proofreaders: Jane Mygatt, Donna Stevens, Steve West.
Mailing: Carolyn Gressitt.

Web site: <http://npsnm.unm.edu/>
Website editor: Lolly Jones

NPSNM Membership Application

Name(s) _____

Address _____

City _____ State _____ Zip _____

Telephone _____

E-Mail/Fax _____

I (we) wish to affiliate with the checked chapter

- Albuquerque
- El Paso, TX
- Gila (Silver City)
- Las Cruces
- Otero
- San Juan (Farmington)
- Santa Fe
- Taos

I am interested in forming a new chapter in

Annual Dues:

Individual or Family.....	\$20
Friend of Society.....	\$30
Supporting Member.....	\$50
Sponsor.....	\$100
Patron	\$250
Benefactor.....	\$500
Life Member.....	\$1,000
Limited Income, Family, Students & Seniors (65+).....	\$12

Endowment contribution \$ _____

Total \$ _____

*Make your check payable to
NPSNM
and send to*

**Membership Secretary
P.O.Box 2364, Las Cruces NM 88004**



*Wholesale/Retail
Quality
Hardy Cacti
of the Southwest*

505-835-0687
2188 NM Hwy 1
Socorro, NM 87801

Visit our website at:
www.riogrande-cacti.com

Calling all Parobotanists

Help Build Floristic Atlas of New Mexico

by Bob Sivinski

New Mexico is the fifth-largest state in the union and ranks fourth in plant species diversity. Yet our specimen documentation of that diversity in herbaria is inadequate and relatively low compared to other states with similar size and flora. For instance, the three largest university herbaria in Arizona collectively have 720,000 specimens while the three largest in New Mexico total only 205,000 specimens.

Only a small number of New Mexico collectors are contributing to our herbarium collections. Of all of them, the University of New Mexico (UNM) has the greatest capacity to expand. Yet the trend for plant specimen acquisition at UNM has significantly declined from its peak in the 1960s.

We can do better. We need more people to go to the field to bring back plant specimens for our herbaria. Keen amateurs who go to the field simply for the love of botanical exploration should be encouraged to collect specimens. With a little guidance and encouragement from herbarium curators, parobotanists (volunteer amateur botanists) can provide significant specimen contributions and can also be a source of volunteer help for specimen processing and data entry tasks. Several parobotanists can probably be found among Native Plant Society of New Mexico membership.

UNM Herbarium curatorial staff and associates will hold a one-day parobotanist training session April 21, 2007, on how to collect scientifically valuable plant specimens for research herbaria.

Do you want to become a parobotanist and help document our floristic diversity? If so, contact Bob Sivinski at 505-476-3347 or robert.sivinski@state.nm.us. Or, contact Donovan Bailey at 505-646-7012 or dbailey@nmsu.edu for a training day this spring at New Mexico State University in Las Cruces.

Participants will learn how to build a plant press, how to press plants, what a specimen needs to include, how to keep a field journal, essential data needed for specimen labels, what areas in the state

need to be sampled, and what kinds of plants should and should not be collected. UNM will work with land management agencies to acquire any necessary plant collection permits for parobotanists.

A college degree in botany is not necessary. Parobotanists need only provide time, enthusiasm, and transportation to the field. They will expand their (and our) knowledge of the flora and share in the accomplishment of creating a New Mexico floristic atlas.

The Institute of Natural Resource Analysis and Management (INRAM) (<http://biodiversity.inram.org/index.html>) is becoming a comprehensive database of all the biological collections in five museums at New Mexico universities. These include the herbarium in UNM's Museum of Southwestern Biology; Biology Department (NMC) and Range Science (NMCR) herbaria at New Mexico State University; Dale Zimmerman Herbarium at Western New Mexico University (SNM); and the herbarium at Eastern New Mexico University (ENMU). This ambitious database project is still incomplete and has several operational problems and limitations, but can be made better with renewed funding, stewardship, and additional specimen collections.

The most exciting aspect of the INRAM database is that it has the potential to become a continuously updated geospatial atlas of New Mexico flora. At this time, specimen records in the INRAM database are sufficient in number to display (when fully functional) county distributions of most common plants in New Mexico. However, county lines are political abstractions that provide very little phytogeographic information. This data set will eventually include point locality information that can be placed on maps of New Mexico topography, watershed basins, geology, floristic regions, ecological communities, and land ownership.

The ability to visualize and document species distributions in context with the land would have great utility for science and land management. New Mexico botanists (professionals and keen amateurs) can help make this dream come true.

BOARD of DIRECTORS

President Chick Keller 662-7915
alfanso@cybermesa.com

Vice-President Tom Antonio 473-6465
tantonio@csf.edu

Recording Secretary Carolyn Gressitt 523-8413
cantan49@hotmail.com

Membership Secretary John Freyermuth 523-8413
jfreyerm@lib.nmsu.edu

Treasurer Steve Robertson 751-9592
bsrob4@msn.com

At-Large Directors

Albuquerque Frances Robertson frobertson45@comcast.net 255-4356
El Paso Jack Makepeace jmakepeace@elp.rr.com 915-585-2149
Gila Erma Falkler artfalkler@earthlink.net 538-5192
Las Cruces Alan Krueger abkrueg@earthlink.net 532-1036
Otero Chris Baker ravensnest@hughes.net 434-9291
San Juan Les Lundquist dalunk54@yahoo.com 326-7194
Santa Fe Carol Johnson gcjohnson@comcast.net 466-1303
Taos Judy Lister glister@newmex.com 776-1183

CHAPTER PRESIDENTS

Albuquerque Pam McBride ebotpam@msn.com 343-9472
El Paso Kathy Kiseda 915-533-4615
Gila Angela Flanders flanders@gilanet.com 534-9355
Las Cruces Ray Bowers rsbowers@zianet.com 541-1877
Otero Helgi Osterreich hkasak@netmdc.com 585-3315
San Juan Les Lundquist dalunk54@yahoo.com 326-7194
Santa Fe Tom Antonio tantonio@csf.edu 473-6465
Taos Kathryn Peel HRXpert@aol.com 758-2576

COMMITTEE CHAIRS

Book Sales Lisa Johnston 748-1046 nps_nmbooks@hotmail.com
Poster Chair Gary Runyan 242-9758 grunyan@nmmnh.state.nm.us
T-Shirt Sales Lisa Mandelkern 526-0917 lisamand@zianet.com
Website Editor Lolly Jones 771-8020 ljones20@comcast.net
Newsletter Editor Renée West 885-3636 keywestern@hotmail.com
Conservation Jim Nellessen 867-7905 jnellessen@taschek.net
Finance VACANT

All area codes are 505 unless otherwise stated.

Send Membership Dues & Changes of Address to:
Membership Secretary,
P.O. Box 2364, Las Cruces NM 88004

(Continued from Page 1)

State Meeting: Cornerstones

numerous ferns native to the Southwest, Dave Jamieson on Southwestern mosses, John Anderson on the heath family, Ericaceae, and Mark Porter on the phlox family, Polemoniaceae.

Marian Rohman will speak on an unusual Southwestern ecosystem—fens, and Steve O’Kane will entertain us with a look at the mustard family in “Weeds, Weiners, and Atom Bombs.” James Reveal will regale us with stories of early botanical

The tiny Mesa Verde cactus (*Sclerocactus mesae-verdae*), a Four Corners endemic



Photo by
Leslie-lynn Sinkey

expeditions into the Southwest.

Friday evening’s reception and scrumptious banquet Saturday will feature some great “native plant” touches.

A variety of field trips is planned, including tours to some marvelous Farmington-area xeriscapes. There will be two field trips to the amazing landscape of De-Na-Zin Wilderness Sunday. A “virtual” tour of another prehispanic Pueblo site—Salmon Ruin will be given at the college, as well as a workshop on botanical illustration.

We are very pleased to offer a special treat to our members—a field trip to East Ruin at Aztec Ruins National Monument. Unlike West Ruin, East Ruin is not usually open to the public. We will explore the flora of East Ruin, which includes wild potatoes—descendants of the very potatoes cultivated by the inhabitants of Aztec Ruin eight centuries ago. We anticipate a high demand for this field trip and so have scheduled it twice.

This is just a taste of the great activities that we have scheduled. Be sure to check all the details on pages 7-10—and register early. See you in August!

Job Announcement:

Administrative Assistant to the President

The Native Plant Society of New Mexico is accepting applications for a part-time contract employee to assist the president and Board of Directors in several functions needing statewide coverage. Pay is \$15 per hour. Approximately 40-50 hours of work per month are expected. The main functions of the position are:

- * Coordinate multi-day workshops from ideas submitted by NPSNM members.
- * Develop and keep up-to-date a Speakers' Forum list, making it available to all NPSNM chapters.
- * Provide publicity across the state for NPSNM activities and programs.
- * Seek additional funding for NPSNM (in particular to expand this position) by grant writing.

Please send applications with references before June 1 to: Chick Keller, President, Native Plant Society of New Mexico, 4470 Ridgeway, Los Alamos, NM 87544.

For questions, call Chick at 505-662-7915.

Plant Salvage Update

By the time you read this, our deadline for rescuing plants along U.S. Hwy. 62/180 from Carlsbad south to the Texas line will be expired. Originally we were to stop at the end of 2006, but NMDOT graciously extended our permit March 31, 2007. We thank NMDOT personnel in the District 2 Office in Roswell and the main office.

In my last report, we had about 900 rescued plants. As I write this, we have doubled that, and I expect us to surpass the 2,000 mark! The tally includes more than 1,400 rescued cacti, over 100 rescued yuccas and agaves, and more than 270 miscellaneous other plants. The number of different species or taxa rescued is currently at 59.

Most southern chapters have been out, including Gila, Otero, and El Paso. Albuquerque has also been out with considerable help from the Cactus and Succulent Society (CSS). We thank these folks



Steve West to keynote NMOS meeting

NPSNM member Steve West will be the keynote speaker for the 2007 New Mexico Ornithological Society meeting May 4-6 in Eddy County. His talk, "28 Years of Underground Bird Study," will be about his work with cave swallows. For information, see: www.nmosbirds.org/index.html

Announcing!

CENTRAL NEW MEXICO GARDENS

A Native Plant Self Help Book

All plants are...

- native to our area.
- compatible with our environment.
- adapted to our climate and soils.
- water conserving.
- available in local nurseries.



Transform your yard into an inviting natural landscape using native plants! The Native Plant Society of New Mexico has produced an inexpensive, easy to use guide featuring 94 color photographs of trees, shrubs, vines, succulents, grasses and wildflowers suitable for landscapes in central New Mexico. Colorful and rugged, these plants look superb in gardens, require minimum water to maintain, and offer food and shelter to native wildlife. Color photographs and text cover how and where to plant, cultivation and maintenance.

Available to the public for \$12.95 (plus shipping and handling). Discount available when purchasing ten or more copies. NPSNM members: \$10.00 each. For more information about NPSNM membership, this and other publications, posters and t-shirts, visit our website at <http://npsnm.unm.edu>.

greatly for their interest and help. Rio Grande Botanic Gardens was out once and planned a second trip. Living Desert State Park in Carlsbad was planning to get out this spring and even our small Farmington Chapter was expressing interest in going all the way down to Carlsbad! At least two chapters were planning and organizing plant sales of these plants: Albuquerque (with CSS) and Gila.

A lot of plants are going to parks and gardens as well. For example, 17 *Yucca elata* and 12 *Y. torreyi* (including one 16-foot-tall specimen) went to Rio Grande Botanic Gardens.

—Jim Nellessen

Native Plant Society of New Mexico
2007 Annual Meeting



August 2 to 5

San Juan College ** Farmington, New Mexico

Conference Location: The conference will take place at the Henderson Fine Arts Center at San Juan College in Farmington. Maps to both the College and the Center will be available soon.

Accommodations: We have arranged for a special conference rate at the following hotels. Be sure to tell them that you are with the Native Plant Society to get the special rate. Hotel reservations should be made prior to June 30 to ensure the conference rate. **Super 8:** Rooms with two double beds, \$67.88 per night. There are two Super 8s in Farmington; this one is located at 4751 East Cortez Way, near the College; 1-800-800-8000 or 505-564-8100. **La Quinta:** Rooms with two double beds, \$67.20 per night. Located at 675 Scott Avenue; 1-800-531-5900 or 505-327-4706. Farmington also has many other good hotels and motels, as well as several RV parks for those who wish to bring their "home away from home." Log on to <http://www.gofarmington.com/directory/>.

Home Stay Accommodations: We have a limited number of beds available in the homes of Society members in the Farmington area, for students or others who might not be able to attend the conference due to the cost of lodging. If you are interested in staying with a Society member, please check the appropriate box on the registration form. (These accommodations are on a first-come, first-served basis.)

2007 Annual Meeting Program Native Plant Society of New Mexico

Thursday, August 2

- 2:00 p.m.-5:00 p.m. NPSNM Board Meeting
3:00 p.m.-6:00 p.m. Registration

Friday, August 3

- 7:30 a.m.-4:30 p.m. Registration
7:30 a.m.-4:30 p.m. Book Sale and Silent Auction
8:45 a.m.-9:00 a.m. Welcome and Opening Remarks
9:00 a.m.-9:50 a.m. Ken Heil *"Flora of the Four Corners Region"*
10:00 a.m.-10:50 a.m. Arnold Clifford *"The Flora of Navajoland"*
11:10 a.m.-12:00 p.m. Steve O'Kane *"Weeds, Weiners, and Atom Bombs: the Brassicaceae in the Four Corners"* AND
Al Schneider *"Slide Show of Four Corners Flora"*
12:00 p.m.-1:30 p.m. Lunch (provided)
1:30 p.m.-2:20 p.m. Barney Wegener *"Largo Canyon Ecosystem"*
2:40 p.m.-3:30 p.m. Don Hyder *"Fleas on Coyotes: the Impact of Flea Beetle Infestation on Coyote Willow"* AND
Tim Reeves *"Fiddleheads: Four Corners Ferns"*
3:40 p.m.-4:30 p.m. Mark Porter *"A Crock of Gilia: The Complex Picture of the Phlox Family in the Four Corners Region"* AND
Dave Jamieson *"Mosses of the Southwest"*
6:30 p.m. Reception

Saturday morning, August 4

- 7:30 a.m.-12:00 p.m. Registration (Registration is on a first-come, first-served basis)
7:30 a.m.-1:00 p.m. Field Trips & Workshops
- 1) **Linda Reeves: *How to Draw Plants for the Artistically and Botanically Challenged (or not!)*** (Starts at 10:00 a.m.) Learn to draw plants for fun or profit (i.e., publication) using pencil and archival ink. Topics include materials to use, observation, leaf structure, habit drawings, how to show depth, how to draw plant hairs, margins, and other structures. Subject plants will be provided, primarily native and xeric plants. (Limit 15)
 - 2) **Doug Abe: *WOW! Xeriscape Tour*** (Starts at 8:00 a.m.) The owner of Wise on Water Landscaping will lead us on a tour of several xeriscapes that he has designed and installed in the Farmington area. City driving, short walks. (Limit 25)

- 3) **Terry Nichols: Aztec East Ruin Tour** (Starts at 7:30 a.m.) Unlike West Ruin, East Ruin is not usually open to the public. We will explore the flora of East Ruin, including wild potatoes, descendants of the very potatoes cultivated here eight centuries ago. We anticipate a high demand for this field trip and so have scheduled it for both Saturday and Sunday. *If you have already visited Aztec West Ruin*, sign up for Saturday, the shorter trip to East Ruin only. *If you have never visited Aztec Ruin*, sign up for Sunday's trip, which will include the same East Ruin tour plus lots of extra time for you to explore the visitor center and West Ruin on your own (a self-guided tour.) (Limit 15)
- 4) **Nancy Sweet Espinosa: An Armchair Traveler's Tour of Salmon Ruins** (Starts at 10:00 a.m.) This "virtual field trip" (PowerPoint tour) of Salmon Ruins will take place in the comfort of the air-conditioned college. The curator and education coordinator of Salmon Ruins will discuss the architecture and ancient uses of the pueblo, recent research, and the unique features that make Salmon such a special place. Duration: 1.5 hours.
- 5) **Dan Smeal and Margaret West: NMSU Xeriscape Demonstration Garden** (Starts at 7:30 a.m.) Visit the NMSU Agricultural Science Center's xeric plant demonstration garden, where researchers have been evaluating the water requirements of more than 90 native and non-native drought-tolerant species. Plants are exhibited at four different irrigation levels, from rain-fed only (after establishment) to full irrigation. Dan and Margaret will suggest species and watering strategies for xeric landscapes. A leisurely walk on flat ground through a small (but fascinating and beautiful) garden. Hummingbirds abound! Duration: driving 2.5 hours round trip, plus approximately an hour at the garden. (Limit 25)
- 6) **Alice Barnard: What's New at San Juan College: or How Much Lawn Did Alice Get Rid of This Year?** (Starts at 8:00 a.m.) The SJC grounds supervisor will give a guided tour of xeriscaping on the campus grounds. She will talk about her ongoing efforts to convert the college's traditional landscaping to xeriscaping, the challenges, and her innovative results. We will cover up to 3 miles on paved walkways. (Limit 25)
- 7) **Ken Heil: The Hogback and Mesa Verde Cactus** (Starts at 7:30 a.m.) We'll stop to see the rare and endangered Mesa Verde cactus and associated plants on BLM land. Then we'll stop along The Hogback, a local landform providing a fantastic overview of the Four Corners region, to see what's in bloom. We'll also visit Mancos milkvetch habitat, another rare and endangered Four Corners endemic. Duration: about 4 hours, easy walking, short distances. High-clearance vehicles or 4WD required. (Limit 25)

7:30 a.m.-5:00 p.m. **Book Sale and Silent Auction**

12:30 p.m.-1:30 p.m. **Plant Sale**

Saturday afternoon and evening, August 4

1:30 p.m.-2:20 p.m. **James Reveal "Botanical Explorations and Discoveries in the American Southwest"**

2:40 p.m.-3:30 p.m. **John Anderson "Ericaceae of the Four Corners" AND**

Michael Melendrez "Quercus Queries—Recent Research into Native Oaks and the Communities They Support Which Support Them"

3:30 p.m.-3:40 p.m. **Final bidding for Silent Auction**

3:40 p.m.-4:20 p.m. **Marian Rohman "Fens of the Four Corners: Montezuma and Dolores Counties, Colorado (What the Flark is a Fen, Anyway?) AND**

Clint Francis "Tales From a Forlorn Land: Plant-Avian Interactions"

4:30 pm.-5:30 p.m. **Pick up Silent Auction items**

7:00 p.m.

Banquet with Keynote Speaker: Peter Kakos

“Plants, Hormones, and Population Increase: How Plants Grow People”

Sunday, August 5

7:00 a.m.-on

Field Trips: (Registration is on a first come, first served basis)

- 8) **Barney Wegener: Largo Canyon** (Starts at 8:00 a.m.) In conjunction with Barney's talk on the Largo Canyon ecosystem, we will see the results first-hand. The location we'll visit is approximately 26 miles up the canyon on a dirt road. The walk is moderate but may involve walking in mud or wet sand. Travel time to the site is about 90 minutes from Farmington (for those headed south to go home, the canyon road intersects with Highway 550 near Counselor, so you can continue from there). We will look at bank stabilization structures, monitoring sites, and photos to show how the system has changed in the past 8 years. High-clearance vehicles or 4WD are recommended, but not required.
- 9) **Al Schneider: De-Na-Zin Wilderness: Summer Sizzle** (Starts at 7:00 a.m.) The De-Na-Zin/Bisti Wilderness area is a gorgeous badlands of low, rolling, painted hills; petrified wood; eroded hoodoos; and varied flora. But its summer heat is brutal for most people. (The trailhead is about 1.25 hours SE of Farmington off Hwy. 550 north of Chaco.) There are no facilities, little or no shade, and no water, so bring a broad-brimmed hat, lunch, sunscreen, and plenty of liquids—we recommend 2-4 liters of water, with another 2 liters *per person* in your vehicle. Wear a light-colored shirt and pants or shorts to help combat the heat, which some people find overpowering. The final 11 miles of road to the trailhead are very good hard-packed sand accessible to all vehicles, but rain (not likely) can make this road slippery. Length of trip will be up to the group, and the heat. (Limit 25)
- 10) **Richard Simmons: De-Na-Zin Wilderness: The “This Is Not A Typo” Tour** (Starts at 7:00 a.m.) There has been enough advance interest in the De-Na-Zin tour that we have scheduled a second field trip. Description and precautions for this tour are as above. (Limit 25)
- 11) **Donna Thatcher: Landscapes with Ducks and Deer** (Starts at 8:00 a.m.) Visit the Riverside Nature Center in Farmington's Animas Park for coffee and snacks while viewing the wetlands; then walk a short distance to the xeriscape demonstration garden, a traditional knowledge garden of plants used by native peoples, and the herb garden. You may stay to enjoy these areas or continue with Donna about 2 miles round-trip on level trails along the river, enjoying native vegetation and wildlife. Bring binoculars or borrow some from the Nature Center. A chance to explore the Animas River bosque! This is a shorter, low-key field trip (approximately 3 hours, or as long as you like), ideal for level-ground hikers or those who have a long way to travel later that day. (Limit 25)
- 12) **Ken Heil and Arnold Clifford: Crevasse Canyon** (Starts at 8:00 a.m.) We'll visit Crevasse Canyon, Whiskey Lake, and other stops along the top of the Chuska Mountains for unusual plants. Duration about 8 hours, easy to moderate walking. High-clearance vehicle or 4WD required. Bring a lunch and plenty of water! (Limit 25)
- 13) **Marti Stebbins: Aztec East Ruin** (Starts at 7:30 a.m.) We will explore the flora of the East Ruin (not usually open to the public), including wild potatoes, descendants of the potatoes cultivated here eight centuries ago. Unlike Saturday's trip, Sunday will include the same East Ruin tour, but will leave lots of extra time to explore the visitor center and West Ruin on your own (self-guided tour.) (Limit 15)
- 14) **Durango Nature Center** (Starts at 8:00 a.m.) The Durango Nature Center (halfway between Durango and Farmington) is a 140-acre natural area protected by a conservation easement. It features prairie dog colonies, bird boxes, an ancient ponderosa pine cross section with marked rings, and a footpath that leads visitors down to 105 acres along the Florida River. Trails wander through a wide variety of habitats—riparian, meadows, oak woodlands, piñon-juniper forests, and desert arroyos. Interpretive markers are found along the way. The DNC is a non-profit organization and a suggested donation of \$5 per person is appreciated. (Limit 25)

Native flowers, shrubs & trees • Herbs & perennials
Bird & hummingbird feeders • Teas, teapots & gifts



Enchanted
GARDENS™

For the Finest Garden Products

270 Avenida de Mesilla, Las Cruces, NM 88005
505-524-1886

Gardens@zianet.com or
nmenchantedgardens.com

Widest selection of native plants in Southern New Mexico!

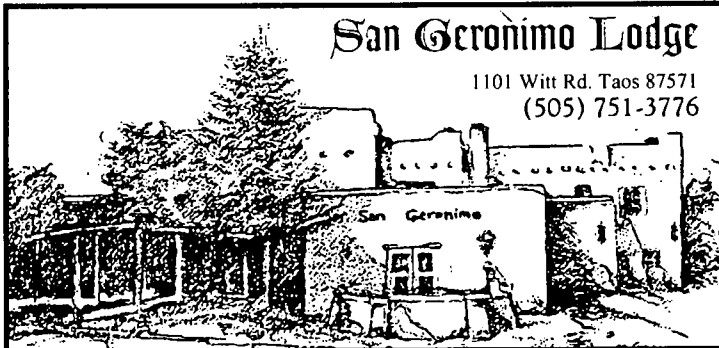
Robledo Vista Nursery

Native and Resource-Efficient Plants

20 minutes N of Las Cruces, NM, 1 hour from El Paso, TX
By appointment, check our web site and availability at:
<http://www.members.aol.com/robledovista/home.html>
505-541-8083 • 915-203-4385

San Geronimo Lodge

1101 Witt Rd. Taos 87571
(505) 751-3776

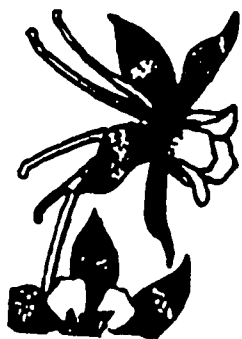



WATER WISE LANDSCAPES INCORPORATED

www.waterwiselandscapesnm.com

DESIGN  INSTALLATION  MAINTENANCE

Hunter Ten Broeck ALBUQUERQUE 505-344-7508



AGUA FRIA NURSERY
Specializing in Native Plants

1409 Agua Fria
Santa Fe 87505-0907
505-983-4831
FAX 505-983-3593
aguafrianr@aol.com



BERNARDO BEACH

native and climate-adapted plants
for beautiful easy care gardens
that attract songbirds,
hummingbirds, and butterflies

from our backyard to yours

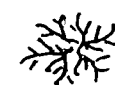
3729 Arno Street NE

in Albuquerque

open daily March through October

winter hours by appointment

345-6248




SANTA ANA GARDEN CENTER

NATIVE PLANTS

Retail

157 Jemez Dam Rd.
Bernalillo NM 87004
(505) 867-1322

Wholesale

2 Dove Rd.
Bernalillo NM 87004
(505) 867-1323

Locally grown perennials,
shrubs, trees, and
seasonal vegetables



Blossoms

GARDEN CENTER

Native & Xeric Plants & Grasses
to help you meet the challenges of
High Desert Gardening

758-1330

Ranchos de Taos, N.M.

*NPSNM Plant Resources
webpage:*

<http://npsnm.unm.edu/links.html>

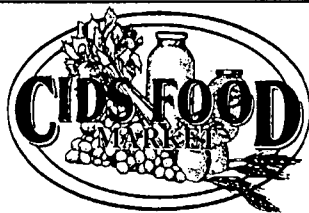
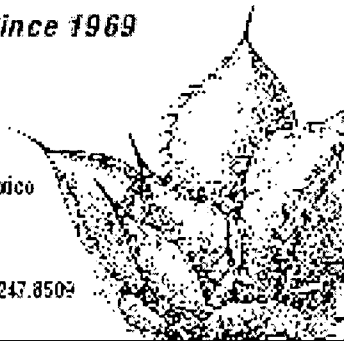
MOUNTAIN STATES WHOLESALE NURSERY
Serving New Mexico Since 1969

We specialize in:

- New Plant Introductions
- Native Plants
- Custom Growing
- Deliveries throughout New Mexico



P.O. Box 2500
Litchfield Park, AZ
800.840.8509 • 623.247.8509
www.mtswn.com



**The Best Selection of
Organic & Gourmet Foods in Taos**
Serving our community since 1986

623 Paseo del Pueblo Norte * 758-1148

PLANTS OF THE SOUTHWEST



Grass
Blue grama grass

Native Plants & Seeds

- Wildflowers
- Drought Tolerant Grasses
- Shrubs & Trees
- Open-pollinated Vegetables & Chiles
- Great Book Selection
- Color Catalog

Albuquerque

6680 4th Street, NW
505-344-8830

Santa Fe

3095 Agua Fria
505-438-8888

www.plantsofthesouthwest.com

**Chapter
Activities & Events**

Albuquerque

Most meetings are first Thursdays at 7 pm in the Pinyon Room at Albuquerque Garden Center, 10120 Lomas Blvd. (between Eubank & Wyoming Blvd., Los Altos Park). For more information, contact Pam McBride at ebotpam@msn.com, 343-9472, or Philip Melnick at philm@pelnick.com, 345-9877.

April 5 talk—"Observing Plant Surfaces: The Beauty of Plants that IS only Skin Deep" by Jerry Melaragno, retired biology professor from Rhode Island College. Also, Science Fair awards.

April 14 field trip—Join El Paso Chapter's field trip to Orogrande for its special cacti. Travel on your own (or carpool) to Alamogordo Friday and meet the El Paso group at Orogrande Saturday morning. Details TBA by April 5.

April 26-28—Garden Center Plant Sale. Set up: April 26, 9:30-12:00. Sale: April 27, 1:00-4:00 and April 28, 9:00-4:00. To help, please contact Beth Herschman at Herschman9@aol.com, 892-8751, or Laura White, laura@unm.edu, 243-5069.

May 3 talk—"Future Directions for ABQ City Forestry and How Native Plants Will Play An Integral Part" by Nick Kuhn, City of Albuquerque Environmental Health Dept. Sustainability Program urban forester.

May 18-19—"Landscaping for Birds, Bees, and Butterflies," workshop at Albuquerque Garden Center. Friday: talks on native plants and plant communities; habitat for bees, butterflies, lizards, and birds; and plant-animal relationships. Saturday: visit wildlife-friendly gardens. Includes 2 lunches and Friday dinner. Cost \$55 before April 15, \$65 after. Contact Virginia Burris, vburrisl@msn.com, 855-6772.

June 7 talk—"Plants as Indicators of the Health of the Valles Caldera Ecosystem – and How NPSNM Might Help" by Marty Peale, coordinator of Valles Caldera Coalition. We could play a valuable role in helping to monitor the distribution of endangered plants, non-native plants, sensitive areas, and plant communities responding to variety of disturbances. Long-range planning begins in

(Continued on page 13)

(Continued from page 12)

Chapter Activities

2007; you can help shape the Preserve's future.

June 9 field trip—Monitoring the Valles Caldera. Details TBA by June 7.

El Paso

All programs are second Thursdays at 7 pm at Centennial Museum, UTEP campus. All society events are free unless otherwise noted. Non-members are always welcome.

April 12 talk—Wynn Anderson will present a beautiful photo presentation previewing plants that will be for sale at the UTEP FloraFest plant sale. Come see what they will look like in bloom and all grow'd up. For more info call 915-757-2803.

April 14 field trip—One-hour drive to Orogrande, NM, to see blooming hybrid claret cup cacti only found at this site. The variety of colors will amaze you. Moderate to strenuous hike over rocky terrain, about 2 hours. Meet at 8:30 am at WalMart on corner of Hwy. 54 & Transmountain to carpool in 4WD and high-clearance vehicles. Bring water, snack, and sturdy shoes. For more info, contact trip leader Peter Beste, 915-755-3558.

May 5 field trip—Tour the garden Ron and Sarah Wood have designed and developed. See how they have grouped plants into various microclimates and how beautifully they have incorporated rock and flagstone in their design. We will also tour the native community garden. Meet at 8:30 am in Santa Teresa in parking lot for community gate at Country Club and McNutt to caravan to the home. For more info, contact Betty Brown, 915-757-2803.

May 12 field trip—to The Tin Mines. Enjoy the solitude of the Chihuahuan Desert and see blooming native plants on this hike. Learn about mining around the 1900s and why the mines closed in the 1990s. This moderately difficult 6-mile hike will take about 5 hours (elevation: 1,000 feet). The stout-hearted will be able to enter one of the mines. Meet at 8 am at Chuck Heinrich Park in North Hills Subdivision at end of John Cunningham. Bring water, snacks, and a flashlight. Wear sturdy shoes or boots. Entrance fee \$4 per person. For more info call trip leader Mark Johns at 915-595-5992.

June 14 talk—Improve the quality of your plant photos with photography professional and lecturer

Jim Schwarzbach (former owner of Jim's Photos). Thirty minutes before, Jim will be out in the garden with advice on taking photos to be analyzed during his presentation. For more info call 915-757-2803.

Other Related El Paso Events

April 14-15—Sunscape Seminar at UTEP Centennial Museum. A view of all components involved in gardening with native plants. 8:30 am-4:30 pm. Registration is \$45. Open to limited number of participants. For information & registration, call Kaye Mullins 915-747-8994.

April 28-29—UTEP FloraFest and Native Plant Sale at, and benefiting, Centennial Museum's Chihuahuan Desert Gardens.

Gila (Silver City)

All programs and hikes are free and open to the public. Meetings are second Fridays at 7 pm at WNMU's Harlan Hall. Hikers meet at 8 am in the south parking lot of the WNMU Fine Arts Theatre the morning of the hike to arrange carpooling. For more information, call Deming Gustafson, 505-388-5192. For hikes, bring water, food, hat, sunscreen, hiking shoes.

April 13 talk—"Ancient Seeds for Modern Needs" by Kevin Dahl, executive director of Native Seeds/SEARCH. He will discuss the interesting crops and traditional foods of the Southwest, as well as review the work of Native Seeds/SEARCH.

April 15 field trip—Tres Hermanas area.

May 20 field trip—Saddle Rock area.

June 17 field trip—Signal Peak area.

Las Cruces

Talks are second Wednesdays at 7 pm at University Terrace Good Samaritan Village, 3011 Buena Vida Circle.

April 11 talk—"Plants of Aguirre Springs" by Lisa Mandelkern. A preview of plants we might see on our field trip.

April 14 walk—David Anderson will lead a trip to the Southern San Andres Mountains. Trip will be repeated in October to compare the flora. Meet at 8 am at Kmart parking lot on Hwy. 70 to carpool.

May 9 talk—"Recipes and Remedies with Desert Plants" by Helen Shields of Human Systems Research, on how Native Americans used plants.

May 12 walk—Field trip to Three Rivers Petroglyph Area led by Helen Shields. Meet at 8

(Continued on page 14)

(Continued from page 13)

Chapter Activities

am at Kmart parking lot on Hwy. 70.

June 13 talk—"Seeds of Success, a plant conservation alliance" by Mike Howard, about seed collecting.

June 16 walk—Field trip to Sacramento Mountains to study plants in conifer forest and cold springs along the Rio Penasco, led by Ray Bowers. Meet at 8 am at Kmart parking lot on Hwy. 70.

July 11 talk—"Aquatic Plants" by Alex Mares and Kevin Hansen of Mesilla Bosque State Park.

Otero (Alamogordo)

April 21—Plant and Book Sale, 8 am-1 pm at Garden Center, 10th and Oregon in Alamogordo. We need lots of help! If you can, please contact Art Baker, 434-9291, ravensnest@hughes.net.

April 28—Earth Day Fair at Alamogordo Zoo, 9 am-4 pm. We will have a booth, sell books, memberships, etc. If you can help for two hours, contact Helgi, 585-3315, hkasak@netmdc.com.

May 5—Meeting and pot luck, noon at Oliver Lee State Park. We hope to have an important speaker! For more information, contact John Stockert, 585-2546, jwstockert@tularosa.net, or Helgi, 585-3315, hkasak@netmdc.com.

May 26 walk—Hike to Bridal Veil Falls in Fresno Canyon. Meet at 8 am at intersection of Hwy. 82 and N. Florida. Bring water and lunch. For info, contact John Stockert, 585-2546, jwstockert@tularosa.net.

June 16 walk—Hike at Three Rivers, north of Tularosa. Meet at 8:30 am in Tularosa, intersection of Hwys. 70 & 54. Bring water and lunch. Contact John Stockert, 585-2546, jwstockert@tularosa.net.

San Juan (Farmington)

Meetings are third Thursdays at 7 pm at San Juan Community College. For information call Les Lundquist, 326-7194.

Talks TBA.

Santa Fe

Meetings are third Wednesdays at 7 p.m. at College of Santa Fe, 1600 St. Michael's Dr., Luke Hall, Room 303. For more information, contact Tom Antonio, tantonio@csf.edu, 473-

6465; or Carol Johnson, gcjohnson@comcast.net, 466-1303.

Events TBA.

Taos

Meetings are second Wednesdays at 7 pm at the San Geronimo Lodge. NOTE: For March and April only, meetings will be at the Masonic Lodge in Taos. Field trips and other activities: for more information, contact David Witt, davidlwitt@cybermesa.com, 758-0619.

April 11 talk—Talk by Juan Estevan Arellano, author of *Ancient Agriculture*. An agricultural activist, farmer, and acequia mayordomo, he speaks of the rich cultural traditions of New Mexico.

May 5—Herbarium Workshop at Taos County Agricultural Center, 9 am-noon. View specimens in our collection and learn to collect, press, dry, and mount plants.

May 9 talk—"Garden Superstars" by Bob Pennington of Aqua Fria Nurseries, about native plants that continue to thrive despite natural and man-made abuse.

May 12 field trip—to Vista Verde. Meet at 8 am at San Francisco de Asis Plaza. 2-mile casual walk with great views of the Rio Grande, flowers, and petroglyphs. Difficulty: easy. Time: 3 hrs.

June 13 talk—"Water Harvesting through Hardscaping" by author and landscape designer Judith Phillips.

June 16—Our annual Plant Sale at Taos Farmer's Market, 9 am-noon. Plants grown from native seeds in our own greenhouse. Great prices – come early.

June 23 field trip—to Aqua Piedra. Meet at 7:30 am at San Francisco de Asis Plaza. Meadows and spruce forest habitats, elevation of 8,500-10,000 feet over 4 miles. Difficulty: moderate. Time: 5 hrs.

July 7 field trip—to Williams Lake. Meet at 8 am at parking lot across from KTAO to carpool to Taos Ski Valley. Beautiful small lake at base of Mount Wheeler. 2-mile hike (one-way) through forest and moraine meadow. Difficulty: moderate, elevation 10,000-11,000 feet. Time: 5 hrs.

July 14 field trip—Upper Lake Fork Valley into the alpine. Meet at 8 am at parking lot across from KTAO. Plant identification begins above Williams Lake, hiking through subalpine forest and wetlands, followed by steep climb into the alpine to see the beautiful wildflowers. 8 miles, elevation 10,000-12,000 feet. Difficulty: strenuous. Time: all day.



Landscaping for Birds, Bees, and Butterflies

Friday, May 18 and Saturday May 19, 2007
Albuquerque Garden Center

Sponsored by the Albuquerque Chapter of the
New Mexico Native Plant Society
<http://npsnm.unm.edu/activities.html>

Add excitement to your garden! Learn how to start changing your yard to a friendly place for wildlife as well as plants. Imagine bees buzzing on the desert marigold, butterflies flitting on a bank of coneflowers, birds perching in the New Mexico Olive, lizards scurrying for cover in the cracks of a stone wall.

Join us at the Albuquerque Garden Center for this 2-day workshop on wildlife friendly, low water landscaping. On Friday there will be a full day of presentations by outstanding speakers - David Cristiani, Judith Phillips, Carolyn Dodson, Joren Viers, Cynthia Hunter, Don Sais, and Virginia Burris. These wonderful speakers will present information about native plants, native plant communities, habitat requirements for lizards, birds, bees, and butterflies, the relationships between plants and animals, and garden design. Saturday we will gather more ideas by visiting wildlife-friendly demonstration gardens - many of the gardens are certified Wildlife Backyard Habitats by the National Wildlife Federation. (For certification information visit <http://www.nwf.org/backyard/>.)

For more information please refer to our website <http://npsnm.unm.edu/activities.html>

Register Now! The number of participants is limited by the size of the gardens

Landscaping Workshop Registration Form

Note: Please send a separate form for each attendee.

Name: _____
Mailing address: _____

Phone: _____ e-mail: _____

Registration fee includes all presentations,
Friday and Saturday lunches, and Friday dinner
(all meals are vegetarian friendly)

Registration Fee - \$55.00; Late registration (after April 15) - \$65.00 \$ _____
_____ Guest(s) at Friday evening dinner - \$15.00 each \$ _____
Total submitted \$ _____

Make checks payable to **Albuquerque NPS**
Mail registration form(s) and check to
Native Plant Society, PO Box 30282, Albuquerque, NM 87190

Cancellation policy: \$45.00 refund if cancelled by April 15

2007 State Meeting Registration Form

Please send a separate form and check for each attendee.

Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Email Address: _____

Saturday Field Trip 1st Choice (#) _____ 2nd Choice (#) _____

Sunday Field Trip 1st Choice (#) _____ 2nd Choice (#) _____

Registration:

NPSNM Member:	Before 7/15/07	\$50	<input type="checkbox"/>
	After 7/15/07	\$60	<input type="checkbox"/>
Non-Member (includes one- year membership):			
	Before 7/15/07	\$65	<input type="checkbox"/>
	After 7/15/07	\$75	<input type="checkbox"/>

Number Attending Friday Reception: _____

Banquet (included) Pork: Chicken: Vegetarian (Pasta):

Banquet Guest (\$15) Pork: Chicken: Vegetarian (Pasta):

If you are a student and would like home-stay accommodation, please check here:

Checks should be made payable to NPSNM-San Juan Chapter.
 Send registration forms and checks to:
 Janet Eskins, 5100 Piñon Hills Boulevard, Farmington, NM 87402

Questions or concerns?

Please contact: nativeplantsociety@animas.net or call Leslie-lyne at (505) 325-1696

The Native Plant Society of New Mexico
 734 North Reymond St
 Las Cruces NM 88005
 RETURN SERVICE REQUESTED

Non-profit Organization U.S. Postage PAID Permit #946

***Be sure to check your membership
 renewal date on your address label***