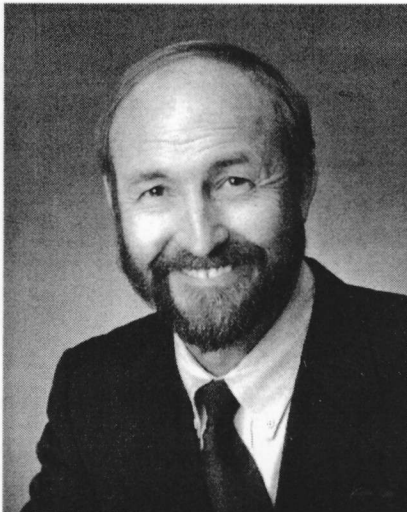


Native Plant Society of New Mexico

NEWSLETTER

April, May, June 2002 Volume XXVII Number 2

RAY POWELL TO BE KEYNOTER AT ANNUAL MEETING IN SILVER CITY



Ray Powell is New Mexico's elected Commissioner of Public Lands. Commissioner Powell was president of the Western State Land Commissioners' Association from 1997-1998 and is a member of the US Dept. of Agriculture's Advisory Committee on Foreign Animal and Poultry Diseases. He received the Fabian Garcia Founders Award in Excellence from the New Mexico State University College of Agriculture and Home Economics.

Commissioner Powell is a practicing veterinarian and received his doctorate of veterinary medicine from Tufts University, with emphasis in

Cont'd back page

Taos Chapter Donates Native Plant Section to Taos Library

How do we provide New Mexico native plant information to the general public? In Taos the NPSNM Chapter and the Public Library are working together to provide easy access to this information.

Under the leadership of Judith Spehar and Jim Tuomey, the Chapter is donating bookcases and books, and the Library is providing a designated area and necessary technical support. The initial books in the section will be for reference use only; circulating books will be added as the collection grows through donations or additional purchases.

Through this outreach the chapter and library will provide resources to the community for both native plant identification and information on landscaping with natives in this arid and mountainous region.

INSIDE

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- * **Chief Seattle Speaks?**
- * **Water Crisis**
- * **Microclimates**
- * **States vs Bioregions**
- * **And more**

USING MICROCLIMATES IN LANDSCAPE DESIGN

by Aspen Evans

One of the things that makes living in New Mexico so fascinating is the presence of so many varied microclimates in such close proximity. Out walking, you can encounter high desert scrub on south-facing slopes, then step over to an east slope at the same altitude and find plant, animal and insect life which actually grows at a much higher altitude or latitude.

North-facing slopes provide an even sharper contrast. Because we are so high already and thus closer to the sun, and with the low humidity filtering that sun very little, the number of hours the sun shines on a plant and the time of day that it does so is critical. Of course, just as important is the amount of moisture the soil holds which depends on the sun, soil type and the prevailing wind. All this may seem very elementary, but the challenging part is putting these basic observations to use in a successful landscape design.

The first step begins with native plants because they have evolved many strategies for By using these plants you will be providing the diverse habitat necessary for healthy animal, bird and insect communities. Our yards are becoming critical habitat havens for many species as we move more and more into theirs. Also, we are finally becoming aware of the necessity of birds and predator insects in keeping destructive insects in check. By having a varied plant community we will decrease the need for harmful chemicals.

In order to successfully use these plants, you must know where they grow naturally and where in your space you can duplicate those conditions. The first part is easy — take a walk and observe how plants grow in communities. Next, use that same sense of curiosity and openness in your own space. Watch the sun: where it shines, how long, and how that changes with the seasons. Be aware of rocks and walls as solar collectors that hold warmth hours longer. Feel the wind's direction and how it changes throughout the year. Finally, how does water flow on your property? Houses, driveways and walkways can impede water flow, but they

can also direct amazing amounts of runoff after it rains or snows. The idea is to use these gifts to benefit the plants, decrease erosion, and decrease your water bills.

What plants to use will depend on where in the state you live. A columbine, for instance, will grow in full sun in the Taos Ski Valley, in morning sun in Albuquerque, and probably best in full shade in Las Cruces. Many plants that grow naturally in full sun in the mountains or at high latitudes can be "brought down" and sited in cooler or shadier locations, e.g., *Mahonia repens*, *Fendlera rupicola*, *Philadelphus microphyllus*, *Dasiphora fruticosa*, *Rudbeckia laciniata*, and *Penstemon barbatus*. Conversely, things that grow naturally in lower altitudes or latitudes can be "brought up" by placing them in sunny, hot locations with possibly a solar gain component, such as a wall or large rock, e.g., *Salvia pinguifolia*, *Dasylyrion wheeleri*, *Viguiera stenoloba*, *Penstemon pseudospectabilis*, and *Salvia azuria*. Your local native plant nursery can provide much more detailed information on what plants will work best in your area.

The natural world is the best teacher on how to successfully grow native plants, and the best part is that you can enjoy the learning over and over again.

Aspen Evans is the manager at Santa Ana Garden Center in Bernalillo.



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It's always being updated, so
check it out regularly.**

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:

*POBox 607, Arroyo Seco NM 87514
andrzej@laplaza.org*

Deadline for next issue is June 1st 2002

Membership in the NPSNM is open to anyone supporting our goals, i.e., 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. In addition, 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 which can be ordered by contacting our Poster Chair or Book Sales representative.

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I am interested in forming a new chapter in

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LETTERS TO THE EDITOR

Comments from Out-of-State

I am the editor of the Native Plant Society of Oregon Bulletin. I just got my NPSNM newsletter and I found the article on actinorhizal plants especially interesting. Well written but simple enough for lay botanists like me.

I also enjoyed the article on photography. Since I've "gone digital," some things have changed. Over-shooting is no longer an issue of cost — one reason I made the switch.

I would add a fifth issue to your list: composition. Most people still put the subject smack dab in the center of the frame regardless of what else is included or left out. I've seen numerous flower pictures of a tall vertical plant taken in landscape format (*ed: horizontal*) with nothing on the sides and the leaves chopped off. Oh well.

*Tanya Harvey
Lowell OR*

...and Out of the Country

A friend recently gave me a copy of an article reprinted in the NPSNM newsletter about Carol Coker's run-in with city officials in Pasco, Washington. If I weren't going through a similar situation here in Toronto, Canada, I wouldn't have believed what I was reading.

Ironically:

In 1998, my "offending" garden was on a City-sponsored garden tour promoting naturalized gardens.

In 1998, I was presented an award by Toronto Mayor Mel Lastman recognizing my environmental commitment.

My garden was nominated for City of Toronto Garden Awards in 1999 and 2001.

Photographs of my garden have been published in three different gardening books (soon to be four).

I am a director of the North American Native Plant Society, and in my capacity as a board member of a local chapter of a national charity, I regularly fund environmental projects on City of Toronto land (public parks, school grounds, etc.). In 1996 I designed a brochure for the City which actually encouraged homeowners to "sow wildflower and perennial seeds or plant ground cover instead of grass seed on your portion of the street allowance."

They are picking on the wrong guy!

*Douglas Counter
Toronto, Canada*

Chapter Revitalization

After reading your editorial in the current newsletter, I feel compelled to reply with a few thoughts that may shed light on why we are in decline here in the Four Corners, and an idea or two which might help to revive our chapter.

* Quarterly meetings (as I recall) as voted on at our organizational meeting are too infrequent to keep interest alive. That program "carrot" needs to be dangled more often.

* A membership roster given to each member would help in getting acquainted. Some may find they live in proximity to each other, which could result in car pooling or other personal bonding.

* Perhaps a brief recap of chapter meetings on a postcard would help members feel involved. Although postage could be a deterrent, voluntary contributions could be made to offset the expense.

* Events such as field trips or garden tours need sufficient advance notice for member planning. Sometimes a week's alert is not enough.

* If refreshments are served, a hospitality committee should handle that aspect...not the president.

* Special things such as a plant/seed exchange or a garden white elephant exchange might help to spark interest.

* A telephone committee to remind members of an upcoming meeting or event might be helpful.

* Would co-presidents during reorganization or revitalization take the heat off one person?

*Cleo S. Barnes
Farmington*



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EDITORIAL**H² Oh Oh!**

What got the native plant movement started? Our realization that water is a finite resource. Even though the recipe appears simple — two parts hydrogen to one part oxygen—we haven't yet figured out how to make the stuff efficiently.

Several weeks ago, I heard a speech on "Alternative Radio" given by Maude Barlow, one of Canada's leading spokespersons on biotechnology. Here are just a few of her remarks:

"We cannot overstate the crisis of the world's fresh water situation. Worldwide, the consumption of water is doubling every twenty years. That's twice the rate of the increase in human population. Today, 31 countries are living with severe water shortages and 1.5 billion people have not enough clean water or no clean water at all. By the year 2025, if we don't change our water behavior, as much as two-thirds of the world's population — predicted to expand to an additional 2.6 billion people — will be living with serious or critical water shortages. Our demand for fresh water will exceed nature's ability to supply it by 56 percent!"

Clearly, landscaping with drought tolerant native plants will not solve the global water crisis. But to go on as we have — surrounding our homes and businesses with thirsty lawns and water guzzling exotics will greatly exacerbate the situation.



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Chapter Activities & Events

ALBUQUERQUE

Albuquerque Garden Center, 10120 Lomas NE at 7:00 p.m. Field Trips (except June 1) meet at Smith's Parking Lot on Carlisle at Menaul.

Apr 4. *"The Tribes of the Asteraceae."* Troy Maddux, UNM Department of Biology and former LTER (Long Term Ecological Research Program) botanist at Sevilleta.

Apr 27. NPSNM - Albuquerque chapter Plant Sale held in conjunction with the Albuquerque Garden Center Fair. 9:00 a.m. to 4:00 p.m.

May 2. *"The Albuquerque Overbank Project (AOP)."* Cliff Crawford, Emeritus/Research Professor of Biology at UNM.

May 4. Field trip. *"The Albuquerque Overbank Project (AOP)."* Cliff Crawford, leader. We will visit the site of a successful restoration project in the Albuquerque bosque. 8:00 a.m. 2-3 hours.

May 18. Field trip. *"Desert Spring Wildflowers."* Pearl Burns, Field Trip Leader. We will visit a site in the Sandia foothills near Placitas. 8:00 a.m. 2-3 hours.

June 1. Field trip. *"Experiments in Converting a Bermuda Grass Yard to Buffalo Grass."* Robert DeWitt Ivey will show us the projects he has undertaken in the yard of his Albuquerque home at 9311 Headingly Ct NE. 9:00 a.m. 1-2 hours.

June 6. Presentations by Winners of NPSNM-Albuquerque Chapter Regional Science Fair Awards in the Junior and Senior Divisions. Reception to follow.

CARLSBAD

April 26-27. Field trip to UTEP FloraFest/Native Plant Sale.

June 1. Picnic & garden tour 11 a.m. to 2 p.m. Visit to Backyard Wildlife Habitat of Steve & Renee West. Lunch on porch. For details call Sandra Lynn at 505-234-1772.

EL PASO (Texas)

2nd Thursdays at the Centennial Museum on the UTEP campus, 7:00 p.m.

April 12. *"Preview of the plants available at the UTEP Native Plant Sale."* Wynn Anderson, Botanical Curator of the Chihuahuan Desert Gardens, UTEP.

April 26. Special program: 2002 FloraFest Lecture, Centennial Museum, UTEP. Speaker: Jack Carter former President of NMNPS.

April 27-28, 9 a.m. to 4 p.m. Service activity; the UTEP Annual Native Plant Sale, Centennial Museum parking lot, UTEP.

May 4. Field Experience; White Sands Missile Range, in conjunction with the Otero Chapter. Reservations and transportation fee required. Contact John Stockert (505)585-2546 to make reservations.

May 9. *"Attracting Wildlife to your Landscape."* Scott Cutler, Ornithologist and Curator of Exhibits, Centennial Museum, UTEP.

June 13. *"How Old is the Desert? A look at the vegetation and climate change over the past 40,000 years."* Dr. Cathryn Hoyt, Director, The Chihuahuan Desert Research Institute, Fort Davis, Texas.

June 15. Field Experience, location and time to be announced.

June 22. 1 to 3:30 p.m. *"Cooking Wild Workshop."* The Wild Cooks group of the Otero Chapter of the New Mexico Native Plant Society. Reservations and materials fee required.

GILA (Silver City)

7:00 p.m. in Harlan Hall, WNMU Campus.

Field Trips 8:00 a.m. Fine Arts Bldg. WNMU.

April 19. *"A View of English Gardens."* Martha Carter.

April 21. Field Trip to Frying Pan Canyon off Hatch Road near Deming. Leader: Bill Rogers.

May 19. Field Trip on Continental Divide Trail from Bear Mountain Road near Silver City. Leader: Gerry Niva.

June 16. Field Trip on Cherry Creek Road north of Pinos Altos. Leader: Gerry Niva.

LAS CRUCES

Meetings at Conference Room, Social Center at University Terrace Good Samaritan Village, 3011 Buena Vida, 7:00 p.m.

April 10. *"San Andres Canyon Preview."* Mike Hoard, BLM, on plant and animal communities you can expect to see on April 13th field trip.

April 13. Joint field trip with NM Wilderness Alliance. San Andres Canyon led by Greg McGee. Meet at 8:30 a.m. at North Main K-Mart parking lot. Water, lunch and sun screen.

May 8. *"How many kinds of yuccas are there?"* Steve Smullen discusses the yuccas of the Chihuahuan Desert.

May 11. Field trip to Apache Hills near Hachita led by Steve Smullen. Meet 8:30 a.m. at Fairacres Post Office. Bring lunch, water and sun screen.

SACRAMENTO MTS (Ruidoso)

TBA

OTERO

April 13. Field Trip. Hike along creek in Dog Canyon – Charles Wood. Start at Oliver Lee State Park. 2-3 mile round-trip up stream above boardwalk. Objective: an interesting spring-seep-face with fern and wildflowers. Rugged but not too strenuous. Bring snacks and at least a liter of water. Wear footwear with good traction and ankle support, and wear long pants since brush will be encountered. Fees are \$4 per car – no car pool to get into State Park.

April 27. Native Plant Sale. Garden Center across from Library. Also selling T-shirts, books, and posters. Help needed.

April 28. Take Native Plant stock that didn't sell to El Paso.

May 4. Missile Range Tour via bus – John Stockert

June 22. *"Eating Wild"* Seminar in El Paso, arranged by Wynn Anderson. Betty and Jim Claypool, Coordinators.

SANTA FE

3rd Wednesdays at the Evans Science Lab Bldg, Rm 122, St John's College, 7:30 p.m.

April 17. *"Alpine Wildflowers and Alpine Natural History."* David Witt.

TAOS

2nd Wednesdays at San Geronimo Lodge, 7:00 p.m.

Cont'd on back page

POINT...COUNTERPOINT

There are currently over 35 state native plant or wildflower societies and one natural landscaping organization (The Wild Ones) that was started in Wisconsin and now has chapters in eleven other states. Our own NPSNM is unique (so far) in being a state organization with one out-of-state chapter (El Paso, Texas) which joined us primarily because of regional considerations. Do state native plant societies make sense, or should they be set up based on bioregions? To present two sides of this issue are: Jim Hodgins, Editor of *Wildflower Magazine*, and Jack Carter, past president of NPSNM.

Bioregions: Jim Hodgins

Should native plant societies drop political affiliations and instead affiliate with bioregions? I suggest that bioregions would be much more appropriate rallying points for members and potential members.

There are no such natural regions as e.g., New York, Ohio, or Toronto. These are political units relating to human history, not natural history. For botanical clubs, association in name with a political unit may be expedient for fund raising, taxation, incorporation, as well as a repository of happy memories. But political nomenclature can be a barrier between members and our major goals.

Surely our goal is to appreciate, understand and conserve our native flora, regardless of the size or boundaries of the geography each society chooses to steward. Don't most of us go hiking, camping, canoeing, and botanizing to temporarily escape mundane affairs of state? Why drag political labels into the world of Nature with us? Why not select a bioregion that captures the interest and allegiance of the club's members all the time? Some native plant societies with apolitical names are:

- * Great Plains Native Plant Society
- * Garry Oak Meadows Preservation Society
- * Finger Lakes Native Plant Society
- * Niagara Frontier Botanical Society

Some high profile bioregions that do not but should have a native plant society serving their unique interests are: Great Lakes, Sonoran Desert, Northern Appalachians, Mojave Desert, Vancouver Island, Rocky Mountains South, Chihuahuan Desert, Greater Antilles, Lesser Antilles. We need a shift in thinking with emphasis on natural boundaries. What better place to start than with a change of name! The renaming or totemization of botanical clubs to reflect their plant totem or bioregion can be a first step in the broader process of members bonding to and restoring *the land*.

State Affiliation: Jack Carter

On the surface Jim Hodgins's proposal makes sense among biologists, plant geographers and ecologists. Here we are referring to bioregions that would include the ten vegetational areas of Texas, the five floristic regions of New Mexico and the five life zones of Colorado — which resulted from several hundred thousand years of evolution, climate change, erosion, plate tectonics, etc.

At the same time if we examine the lives of *Homo sapiens* we find this weedy species has a very short life cycle, moves rapidly from place to place, is certainly not confined to a single life zone and has established points of dwelling that often overlap several bioregions. In Silver City, NM, where we reside, we are at the junction of three major bioregions, each of which has an important influence on our flora and fauna.

Presently chapters are limited to units of taxation and incorporation within a single state. Can you imagine the confusion in the administration of the Great Plains Native Plant Society that does work through the laws of at least five states, plus the federal government?

We should also remember that native plant society members are first and foremost political and reside within political boundaries. They might attend a lecture describing bioregions and would probably appreciate knowing the bioregion in which they reside, but their interests are generally much closer to home. They are more interested in local flora, the plants growing in their gardens, their beauty, and whether they are introduced weeds or natives.

Quite often what makes sense scientifically does not make economic and political sense. The NPSNM is a somewhat scientific organization, but it is equally a social, political and artistic society that brings people into contact with plants based on individual interests.

SEATTLE SPEAKS?

by Andy Wasowski

In 1854 the U.S. Government offered to buy two million acres of Indian land in the Northwest. The statement on page 9 is a reply to President Franklin Pierce attributed to Chief Seattle. It is often titled, "*How Can You Buy or Sell the Earth?*" and has been reprinted countless times both in the U.S. and in many other countries. This letter has been universally praised as the most beautiful and prophetic environmental statement ever made.

But did Seattle really say this? Was it in the form of a letter or a speech? Did Pierce receive it and, if so, what was his response?

For answers, I contacted the University of Washington in Seattle, as well as the Smithsonian Institution in Washington D.C. I received the following information from them:

First, Seattle is the corrupted version of his native name, Seeathl. He was chief of the Suquamish and Duwamish tribes and lived from 1786 to 1866. An important leader of his people, he took part in the Port Elliot Treaty negotiations in 1855 which signed away a large portion of Indian lands for white settlement. Seattle signed that treaty and gave two short speeches at the time that are now preserved in the National Archives in Washington, D.C. Neither is similar to the currently popular "*Buy or Sell*" version.

Contradictions

In fact, Dr. Henry Smith, a physician who was present at the address(es) and later recreated the speech from his notes, claims it was delivered two years earlier. Moreover, there are several different versions of this speech, the first being Smith's — which may have combined the two talks into one.

This address was undoubtedly delivered in Seattle's native language — Lushotseed — as he spoke very little English. So one must ask, how good was Smith's command of Seattle's native tongue, and how extensive and accurate were his notes? Unfortunately, Smith's notebook has been lost to history.

Smith's version is considerably longer than today's popular version, and bears only slight resemblance to it. One example: In Smith's version, Seattle says, "Your god is not our god." In today's version, he says, "Our god is the same god." Moreover, Smith's version is somewhat testy in tone, reproaching "our pale face brothers" for taking Indian lands.

More versions

In 1931, Clarence Bagley reprinted Smith's version in the *Washington Historical Quarterly*, but added three sentences of his own.

A second revision was written in 1969 by University of Texas professor William Arrowsmith. It differs from Smith's version not so much in content as in wording and phrasing.

Between 1972 and 1974 yet another version appeared under the title, "*The Decidedly Unforked Message of Chief Seattle*." It came from a film script written by a UT colleague of Arrowsmith's — Ted Perry — who wrote an environmental film for the Southern Baptist Convention in 1970. Perry claimed he never intended his version to be historical fact and stated so to the SBC. But they ignored him and even added material of their own to the "speech." *It was in this version that Seattle's words became markedly ecological.*

In 1974, at the Spokane World's Fair, one additional version appeared in the U. S. pavilion; it was different in style and wording from Perry's version, but not in its ecological message. Its author is unknown.

Today, the commonly disseminated "*Buy or Sell*" version appears to rely heavily on the "*Decidedly Unforked*" version.

As to whether this statement had originally, or at some later date, been composed as a letter to President Pierce, there is no evidence to support this, and there is no trace of such a letter in the National Archives in Washington or the Seattle Public Library.

For more information on Chief Seattle's speech, read *Recovering the Word: Essays on Native American Literature*, edited by Brian Swann and Arnold Kraput, University of California Press, Berkeley. It contains the complete texts of the four versions cited here.

HOW CAN YOU BUY OR SELL THE EARTH?

Attributed to Chief Seattle, 1854.

The Great Chief in Washington sends word that he wishes to buy our land. The Great Chief also sends words of friendship and good will. This is kind of him since we know he has little need of our friendship in return. But we will consider your offer.

How can you buy or sell the sky, the warmth of the land? The idea is strange to us. If we do not own the freshness of the air and the sparkle of the water, how can you buy them?

Every part of this earth is sacred to my people. Every shining pine needle, every sandy shore, every mist in the dark woods, every clearing, and every humming insect is holy in the memory and experience of my people. The sap which courses through the trees carries the memories of the red man. So, when the Great Chief in Washington sends word that he wishes to buy our land, he asks much of us...

This we know: All things are connected. Whatever befalls the earth befalls the sons of the earth. Man did not weave the web of life; he is merely a strand in it. Whatever he does to the web, he does to himself. But we will consider your offer to go to the reservation you have for my people. We will live apart and in peace.

One thing we know, which the white man may one day discover — our God is the same God. You may think now that you own Him as you wish to own our land but you cannot.

He is the God of man, and his compassion is equal for the red man and the white. This earth is precious to Him and to harm the earth is to heap contempt on its Creator. The whites too shall pass, perhaps sooner than all other tribes. Continue to contaminate your bed and you will one night suffocate in your own waste.

But in your perishing you will shine brightly, fired by the strength of the God who brought you to this land and for some special purpose gave you dominion over this land and over the red man.

That destiny is a mystery to us, for we do not understand when the buffalo are all slaughtered,



Photo of Chief Seattle (1864) courtesy of University of Washington
the wild horses are tamed, and the view of the ripe hills blotted by talking wires. Where is the thicket? Gone. Where is the eagle? Gone. And what is to say goodbye to the swift pony and the hunt? The end of living and the beginning of survival. So we will consider your offer to buy the land.

If we agree, it will be to secure the reservation you have promised. There, perhaps, we may live out our brief days as we wish. When the last red man has vanished from the earth, and his memory is only a shadow of a cloud moving across the prairie, these shores and forests will still hold the spirits of my people. For they love this earth as a newborn loves its mother's heartbeat.

So, if we sell our land, love it as we've loved it. Care for it as we've cared for it. Hold in your mind the memory of the land as it is when you take it. And preserve it for your children, and love it...as God loves us all. One thing we know. Our God is the same God. This earth is precious to Him. Even the white man cannot be exempt from the common destiny. We may be brothers after all. We shall see...



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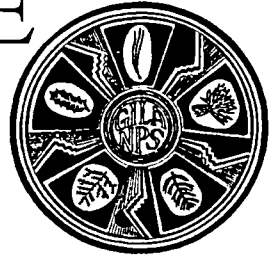
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PLANTS AND PEOPLE

NATIVE PLANT SOCIETY OF NEW MEXICO
ANNUAL MEETING
AUGUST 15TH THROUGH 18TH, 2002



PLANTS & PEOPLE: MAKING THE CONNECTIONS

A major objective of the Native Plant Society of New Mexico is to strengthen those important connections between plants and people. More than seven hundred family and individual members pay dues each year, and through numerous surveys of this audience we know that they come to the organization with a wide range of interests and expectations. Conservation of the native flora rates high among our concerns. Activities extend to field trips, workshops and lectures where members learn more about the local and regional flora. But beyond these activities we have identified interests in plants as objects of art and photography, enthusiasm for learning more about ethnobotany, edible native plants, and the use of native plants in landscaping. As our knowledge of the environment and the natural world grows, so grows the importance of making the connections between plants and people.

Again this year the Gila chapter has designed a program embracing amateurs and professionals that will both inform and challenge our membership. This once-a-year experience will not only bring us together to enjoy the fellowship of old friends and new, but at the same time encourage us to take a closer look at the relationship between protecting our natural environment and maintaining economic viability.

We make our homes in Silver City because we have deep feelings for the natural world, our forests and rivers, and the Gila National Forest. Silver City is a great place to live with the native flora and fauna. A large segment of the population finds our native plant and bird populations to be the most important asset of the region.

Please plan to join us and share in an experience that will stimulate your intellectual and spiritual growth as we work together to protect our native flora.

OVERVIEW OF THE MEETING

THURSDAY, AUGUST 15TH

2:00 p.m. - 5:00 p.m. Early Registration -
Comfort Inn Motel

2:30 p.m. - 5:00 p.m. Continuous slide show, visit
WNMU Herbarium, and/or
self-guided walking tour of Silver City

FRIDAY, AUGUST 16TH

8:00 a.m. - 5:00 p.m. Registration - WNMU Student
Center, 3rd Floor

9:00 a.m. - Noon - NPSNM Board Meeting

9:00 a.m. - Noon - Set up Book Sales, Silent
Auction, Exhibits

9:00 a.m. - Noon - Field Trips and Workshops

Noon - 1:00 p.m. - Lunch - WNMU Student Center

Noon - 5:00 p.m. - Book Sales, Silent Auction,
Exhibits

1:00 p.m. - 1:30 p.m. - Welcome and Announcements

1:00 p.m. - 5:00 p.m. - Youth Conference Workshop

1:30 p.m. - 5:00 p.m. - Panel Discussions

6:30 p.m. - 8:30 p.m. - Reception and Social

SATURDAY, AUGUST 17TH

8:00 a.m. - 9:00 a.m. - Registration - WNMU

8:00 a.m. - 5:00 p.m. - Book Sales, Silent Auction,
Exhibits

8:00 a.m. - Noon - Workshops and Field Trips

Noon - 1:30 p.m. - Lunch - WNMU Student Center

1:30 p.m. - 5:00 p.m. - Youth Conference Workshop

1:30 p.m. - 5:00 p.m. - Panel Discussions

5:00 p.m. - Final Bids - Silent Auction

5:10 p.m. - Silent Auction closes

6:30 p.m. - 9:00 p.m. - Banquet & Awards

SUNDAY, AUGUST 18TH

7:00 a.m. - Field trips and farewells

**PLANTS AND PEOPLE:
MAKING THE CONNECTIONS**

THURSDAY, AUGUST 15

2:00 PM - 5:00 PM - Early Registration - Comfort Inn, 1060 Hwy 180 East

2:30 PM - 5:00 PM - Continuous Slide Show - "Plants of Southwest New Mexico," Harlan Hall, WNMU

Meet the Curator - William Norris, Harlan Hall, Room 111 Herbarium, WNMU

On Your Own - Self-guided tour around downtown Silver City.

FRIDAY, AUGUST 16

8:00 AM - 5:00 PM - Registration - WNMU Student Center, 3rd Floor.

9:00 AM - Noon - NPSNM Board Meeting - WNMU Student Center, 3rd Floor.

Field Trips

FT - 9:00 AM - Noon - Boston Hill, Silver City - A Brownfields reclamation project of GNPS in cooperation with the town of Silver City. Leaders: Donna Stevens, Gerry Niva and Joe Gendron. Meet at WNMU Student Center. Limit: 24.

FT - 9:00 AM - 10:30 - WNMU Museum of Archeology. Museum Director, Dr. Cynthia Bettison, will present a lecture, "Mogollon Mimbres and Their Environment," Leaders: Shirley Davis and Joyce Knaus. Limit: 24.

Workshops 9:00 - Noon

WS - Illustrating & Painting Native Plants. An opportunity to learn from a master, show your work and discuss how you may better present the native flora. Instructor: Jan Gunlock. Limit: 24.

WS - Grasses. Get to know the grasses through the recognition of their unique characteristics. Leaders: Kelly Allred and William Norris. Limit: 24

Noon - 1:00 PM - Lunch - WNMU Student Center Cafeteria, 2nd Floor.

Noon - 5:00 PM - Book Sales, Silent Auction, Exhibits, Snack Bar - WNMU Student Center

1:00 - 1:30 PM - Welcome and Announcements - WNMU Light Hall Auditorium

Youth Conference Workshops. We're adding something new to the 2002 Annual Meeting. Bring your children, grandchildren, parents and grandparents. There will be activities for everyone. The Native Plant Society has an active, knowledgeable adult membership. But where will the next generation of native plant enthusiasts come from unless we provide opportunities like this for youth to realize the wonder and importance of the native flora?

All ages attend morning workshops or field trips. On **Friday from 1:00 - 5:00 PM** and on **Saturday from 1:30 - 5:00 PM** age appropriate activities are being planned for ages 12 and under. Young people 13 and over attend the regular session. **Complete special section of registration form.**

**PANEL DISCUSSIONS
WNMU LIGHT HALL AUDITORIUM**

1:30 - 3:00 PM

Economics & Ecology: Healing the Gila National Forest. Can ranchers and environmentalists listen to one another and share their interests to the point where they can join together to evaluate the impact of grazing on the forest? Chair: Jack Carter. Presenters: Paul Boucher (U. S. Forest Service), David Ogilvie (U Bar Ranch), Courtney White (Quivera Coalition), Todd Schulke (Center for Biological Diversity).

3:30 - 5:00 PM

Science and Education: The NPSNM Investment in the Future. Learn how your NPS dues are being put to work throughout New Mexico. Chair: Robert Sivinski. Presenters: Tim Lowrey (UNM Herbarium), Chris Baker (Oliver Lee State Park), Stephanie Bestlemeyer (Chihuahuan Desert Nature Park).

6:30 PM - 8:30 PM - Reception and Social Hour - Copper Crest Country Club. Hors d'oeuvres, soft drinks, cash bar.

**PLANTS AND PEOPLE:
MAKING THE CONNECTIONS**

SATURDAY, AUGUST 17

8:00 AM - 9:00 AM - Registration - WNMU Student Center, 3rd Floor.

8:00 AM - 5:00 PM - Book Sales, Silent Auction, Exhibits and Snack Bar open - WNMU Student Center

Field Trips 8:00 AM - Noon

FT - Ranching along the Gila River with the Flora and Fauna in Mind. See ranching at its very best when people listen to one another and want to protect the ecosystem. Meet at WNMU Student Center. Leaders: David Ogilvie, Rancher and Paul Boucher/Ralph Pope, Gila National Forest biologists. Limit: 24.

FT - Signal Peak: A Flora Worth Remembering. No one knows the local flora of this important area like these two leaders. Elevation: 7,500 to 8,900 feet. Assemble at WNMU Student Center. Leaders: Dale and Marian Zimmerman. Limit: 24.

FT - McMillan Campground area. Fourteen miles north of Silver City on Hwy 15. Coniferous and mixed woodlands, wild flowers including Showy Milkweed, Scarlet Penstemon and Giant Hyssop. Two mile moderate hike. Elevation: 7,000 feet. Meet at WNMU Student Center. Leaders: Baxter, Chuck Huff and Nancy Deever. Limit: 24.

Workshops 9:00 PM - Noon

WS - Photographing the Flora. Learn the basics of photography from published photographers. Leaders: Andy Wasowski and Mary Alice Murphy. Limit: 24.

WS - Wildscaping & Garden Design. Two experts team up to present models you will want to consider for a different kind of garden. Leaders: Wynn Anderson and Sally Wasowski. Limit: 24.

Noon - 1:30 - Lunch - WNMU Student Center Cafeteria, 2nd Floor.

WS - 1:30 - 5:00 Youth Conference Workshop continues from Friday afternoon.

**PANEL DISCUSSIONS
WNMU LIGHT HALL AUDITORIUM
1:30 PM - 3:00 PM**

Exploring Our Environmental Future as it Relates to Business, Education & Religion. Can our economic, educational and religious organizations provide the assistance we need to solve the tough environmental problems we face? Chair: William Armstrong. Presenters: Harry Browne (Gila Resources Information Project), Jack Carter (Education), Nancy Deever (Religion).

3:30 PM - 5:00 PM

Plants in the Arts: Gardens, Literature and Art. There are many ways to know the floristic beauty of the natural world. This group of creative people will demonstrate their art in their own way. Chair: Lisa Mandelkern. Presenters: Wynn Anderson (Gardens), Sandra Lynn (Literature), Terry Peterson (Digital Art).

5:10 PM - Silent Auction closes - Pay for and pick up your items at this time.

6:30 PM - 9:00 PM - Banquet and Awards. Copper Crest Country Club. Speaker: Ray Powell, New Mexico State Land Commissioner.

**PLANTS AND PEOPLE:
MAKING THE CONNECTIONS**

**SUNDAY, AUGUST 18
ALL SUNDAY FIELD TRIPS DEPART FROM MOTEL COMPLEX
NOTE DESIGNATED DEPARTURE TIMES**

Field trips have been designed to accommodate guests as they depart following the Annual Meeting. We have chosen a variety of habitats surrounding Silver City. Further descriptions and a Release of Liability will be provided at registration. Times and levels of difficulty are estimates. A limited checklist of plants will be provided, so field guides, hand lens, binoculars and bird books may be useful. Bring a lunch, water, wear appropriate clothing and footwear.

FT - 8:00 AM. Emory Pass and Hillsboro Peak - 6 hours. Follow F. S. trail 79 through rich subalpine coniferous forests to observe wide range of oaks and coniferous trees. Fabulous views of Rio Grande Valley. Elevations: 8,200 - 9,950 ft. Moderate to difficult hike. Leaders: Gerry Niva and Robert Sivinski. Limit: 24.

FT - 7:30 AM. Catwalk & Whitewater Canyon - 5 hours. Diverse riparian flora and historical points of interest. Easy to moderate difficulty. Elevations: 5,300 - 5,500 ft. Forest Service fee: \$3.00 per vehicle. Leaders: Jack Carter & Donna Stevens. Limit: 24.

FT - 7:00 AM. Gila Cliff Dwellings National Monument - 7 hours. Pass through mixed coniferous forest to historic site of Mogollon culture. One mile trail rises 180 ft. above floor of the canyon; steep in places. Wildflowers, aquatic and diverse flora. Easy to intermittent difficulty. Fee of \$3.00 per person or \$10.00 per family. Leaders: William Norris, Bill and Shirley Davis. Limit: 24

FT - 7:30 AM. Pinos Altos, Lake Roberts, Sapillo Creek & San Lorenzo - 6 hours. From historic Pinos Altos pass through mixed coniferous forest to Lake Roberts to observe aquatic vegetation. East along Sapillo Creek travel through a southern extension of the Rocky Mountains. Easy and intermittent in difficulty. Elevations: 6,000 - 7,300 ft. Leaders: Paul Boucher & Lynn Moseley. Limit: 24

FT - 8:00 AM. Fort Cummings and vicinity - 6 hours. Historic Civil War site 75 miles southeast of Silver City. Chihuahuan desert flora, crumbling Army post and cemetery. Easy to moderate difficulty. Elevation: 5,000 - 5,500 ft. Three mile hike. Leaders: Martha Carter and Sheila Christy. Limit: 24



COMFORT INN AND SUPER 8 COMPLEX

We have chosen this motel complex conveniently located adjacent to each other at 1060 Hwy. 180 East and 1040 Hwy. 180 East for registration and guest accommodations. The complex has a special convention rate of \$52.00 and \$42.00 per night respectively. Included in this rate is a continental breakfast and use of the Comfort Inn spa and pool for either motel. Please call for reservations before July 2, 2002 and mention the NPSNM convention for this special rate: Comfort Inn (505) 534-1883 or Super 8 Motel (505) 388-1983. A list of other accommodations may be obtained from the Silver City Grant County Chamber of Commerce (505) 538-3785 or e-mail <www.silvercity.org>.

Western New Mexico University (WNMU) campus will be the location for meeting rooms, activities, refreshments and lunches. For the Friday evening reception and the Saturday evening Banquet and Awards ceremony, the Copper Crest Country Club will be our host.

SILENT AUCTION

Each year an important part of the Annual Meeting is seeing the interesting items members contribute for sale to the highest bidder. Your "dust catchers," art objects, books, craft projects, homemade jams and jellies will be attractive to someone else. Local merchants and artists contribute work or "gifts in kind" and at 5:10 sharp on Saturday, the bidding ends, payment is made and you have a prized possession to take home. And, you have helped the local chapter cover unexpected expenses. Just bring your donations to the Annual Meeting and someone will take them off your hands.

ANNUAL MEETING LOGO

The Gila chapter wishes to thank Shirley Davis and Eulalia Lewis for the logo design, "Plants and People." Represented within the triangles and circle of Plants and People they have captured the essence of the early Mimbrenño people, native plants, products, art, literature and their relationship to economics.

REGISTRATION FORM

PLEASE COMPLETE SEPARATE FORM FOR EACH ATTENDEE

**SEND FORM & CHECK TO: GILA NATIVE PLANT SOCIETY,
P O BOX 457, SILVER CITY, NM 88062**



PLEASE PRINT

NAME _____

MAILING ADDRESS _____

CITY _____ STATE ____ ZIP _____

PHONE _____ E-MAIL _____ CHAPTER _____

I plan to arrive on: () Thursday, August 15, () Friday, August 16. Other _____

Early Registration fee: \$45.00; (After July 1, \$55.00) Registration fee includes lunch at WNMU cafeteria on Friday and Saturday, Friday reception and Saturday evening Banquet.

If registrant is under 18 provide the following: Date of Birth _____
Responsible adult attending conference _____
Parent or Guardian name and signature _____
Early Registration: \$30.00; (After July 1, \$40.00) Includes same meals as adult registration.

FIELD TRIPS AND WORKSHOPS: Please indicate 1st, 2nd and 3rd choice of workshops and field trips each day. We will do our best to give you your first choice, but we ask you to be flexible.

Friday AM, August 16

- () FT - Boston Hill
- () FT - WNMU Museum of Archeology
- () WS - Illustrating & Painting Native Plants
- () WS - Grasses

Sunday, August 18

- () FT - Emory Pass & Hillsboro Peak (6 hours)
- () FT - Catwalk & Whitewater Canyon (5 hours)
- () FT - Gila Cliff Dwellings Nat'l. Monument (7 hrs.)
- () FT - Pinos Altos, Lake Roberts, Sapillo Creek, San Lorenzo (6 hours)
- () FT - Fort Cummings and vicinity (6 hours)

Saturday AM, August 17

- () FT - Ranching in the Gila National Forest
- () FT - Signal Peak: A Flora Worth Remembering
- () FT - McMillan Campground area
- () WS - Photographing the Flora
- () WS - Wildscaping & Garden Design

For questions or to cancel your registration, call Frank or Joyce Knaus @ (505) 388-2371, or e-mail: <jfknaus@zianet.com>. Cancellation policy: full refund if cancelled before August 8.

WORKSHOP ON POLLINATORS AND HOST PLANTS

NPSNM and the New Mexico Parks Division will conduct a Sugarite Canyon Butterfly Workshop on June 22-23 in Sugarite State Park. This workshop will focus on the relationships between butterfly pollinators and plants, especially host plants for larval stages. Butterfly experts Steve Cary and Linda Wiener will teach this course and lead two field trips. Participants will have the option of camping at Sugarite State Park or staying at local motels in nearby Raton. For more information and application forms contact Ann Ellen Tuomey at 505/776-5866 or jimae@laplaza.org. Space is limited, so apply soon.

Activities & Events Cont'd

TAOS

April 10. *"Native Plants in Basketry."* Larry Dalrymple, Santa Fe basketmaker.

May 8. Panel Discussion: *"Invasive Weed Control."* Jim Armstrong, rancher; Lonnie Roybal, organic wheat grower; Rey Torres, Taos County Extension Agent; and Sam DeGeorges, BLM invasive weed specialist.

June 12. *"The Spirit of Native Plants."* Gerald Nailor, Lt. Governor of Picuris Pueblo. This program has been rescheduled from February 13th.

Powell cont'd from front page

wildlife rehabilitation, in 1985. Prior to his election, he served as a special assistant to Governor Bruce King for environment, natural resources, health and recreation. A native of Albuquerque, Powell received his bachelor's degree in anthropology and biology, and a master's degree in systemic botany and plant ecology from the University of New Mexico.

The land commissioner serves on the State Investment Council, Mining Commission, Oil Conservation Commission, the Youth Conservation Corps Commission and the Capitol Building's Planning Commission. The Commissioner of Public Lands is an elected state official responsible for administering the state's land grant trust which includes nine million acres of surface and thirteen million acres of sub-surface rights for beneficiaries of the trust. Beneficiaries include the public schools and universities, as well as special schools and hospitals that serve children with physical, visual, and auditory disabilities. In fiscal year 2001, the trust lands and permanent funds produced more than \$322 million in income for the beneficiaries.

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