



NEWSLETTER

of the

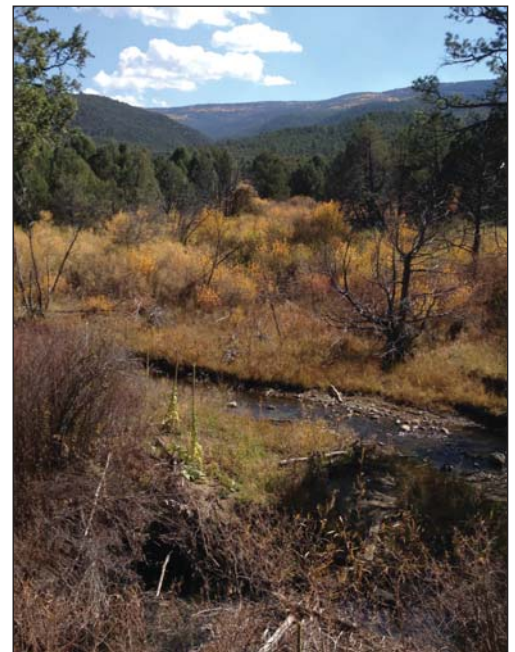
**NATIVE PLANT SOCIETY
OF NEW MEXICO**

JULY, AUGUST, SEPTEMBER 2017

VOL. XXXXII NO. 3



*Don't forget to register for the **annual state conference** September 14–17, hosted by the Taos Chapter! Some field trips and workshops are filling up. See the April–June newsletter for information and registration forms, or go to www.npsnm.org/events/2017-annual-conference for the same information—print the registration form or register and pay online.*



**Native Plant Society of New Mexico
2017 Annual Conference
The Seed: Past, Present, and Future
SEPTEMBER 14–17, TAOS**

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From the President

by Tom Stewart

What's with the website?

There has long been a Native Plant Society of New Mexico website, but it has changed dramatically in recent months. Have you been startled or even disoriented at the cleaner, more spacious welcome page? The old site was great, but like a favorite old sweater it was showing its age and was no longer as effective as was needed to present all of our information, not to mention our image.

Please explore the new site and discover what it offers, namely, almost everything we had previously but in a simpler-to-find format. The major "departments" are still shown by tabs across the top, but they are no longer duplicated in a sidebar. Try those tabs to access links to useful plant literature, other resources, and chapter information. You can still download the popular thistle identification guide created by Bob Sivinski. You can even renew your membership online, or print out a mail-in form for yourself or a prospective member.

One enhancement is a search box. Type in a key word and find an item you can remember seeing but can't recall where, or something you think *should* be in a self-respecting native plant website. If we don't have it, let us know why we should, or consider making your own contribution to help us correct the shortcoming. A members-only section is in the works to provide special goodies that are not for just anyone.

The home page is dedicated to happenings and topics deserving your attention. The main article now is the state-



wide conference coming up in September, presented by the Taos chapter. For the first time, you can now register for the conference completely on our own website. Please do! Below on the left are current events and issues of importance. These occasionally recommend public input on issues of importance to native plants. Public input is completely appropriate for a nonprofit group like ours, as long as it is consistent with our mission and does not advocate for or against a candidate or political party.

I think the most useful new feature is that we can see at a glance, on the right of the home page, the upcoming talks, field trips, plant sales, etcetera, at chapters over our entire area. Also go to the chapter pages, where you no longer have to scroll down extensively to find what you are after. The other big improvement is an organization-wide calendar displaying activities, color-coded by chapter, like a wall calendar. Click on the event title and a full description comes your way.

So now we have a renewed presence on the Internet, but it is up to you and your chapter to keep it fresh. Please tell us what you are planning. Are you having a cool lecture, a plant sale, or a seed exchange? Get some free publicity as a benefit of your state affiliation. And provide photos to dress up your chapter page—a narrow banner picture for the header and, below that, a picture of any shape or size, or even a gallery of shots. Go to "Contact Us" under the Welcome tab at the top to send us the word. Help us make *www* stand for What a Wonderful Website! ❖

Legacy: What we leave behind, we give to the future.

NPSNM encourages members to consider including NPSNM in their wills.

For further information, call Tom Stewart at 505/373-8779.

SAVE THE DATE!

February 22–23, 2018

7th Natural History of the Gila Symposium
on the campus of Western New Mexico University
in beautiful Silver City

It's not too early to start planning

to attend next year's NPSNM Annual Conference

September 6–9, 2018

Silver City

Plants, People and Culture of the Gila

Conservation Corner

by Rachel Jankowitz, NPSNM Conservation Committee Chair

Gila Diversion Update

(Adapted with permission from "Diversion Plan for Gila River in Limbo" by Kara Naber, published May 4, 2017, in the Deming Headlight)

NPSNM has been following the progress of proposed projects to divert water from the Gila River, one of the last free-flowing rivers in the Southwest. Removing significant amounts of water, and constructing conveyance infrastructure, would disrupt flows and introduce major impacts to the Gila's lush riparian habitats and the wildlife (including endangered species) that lives there.

The proposed diversion of water from the Gila River basin has entered a new and complicated phase. At last month's meeting of the Central Arizona Project Entity, it was made clear that the plan to divert the Gila River was derailed after the State of New Mexico and The Nature Conservancy refused to allow the 190 acres they jointly own to be included in the project. CAPE Director Anthony Gutierrez indicated that the board would need to consider other diversion options in order to pursue the plan to divert up to 14,000 acre-feet of water per year.

On Tuesday, May 2, a range of alternatives was discussed during the four-hour meeting in Silver City. One of these

would require an agreement with Freeport-McMoRan, the international mining company that owns the Chino and Tyrone mines near Silver City. "We are still in conversations with Freeport," Gutierrez said. If approved, the project would involve utilizing existing Freeport infrastructure to divert water from Bill Evans Lake and across the continental divide. The water would then be used to recharge the Mimbres aquifer or may be piped over 80 miles to Deming.

One major challenge to any project appears to be a statutory deadline: if a construction project is not approved by the Secretary of the Interior by December 2019, the construction funding will be lost. For this reason, Gutierrez suggested that the board approve a new request for proposals to be submitted to the engineering firm AECOM, which was contracted by the CAPE to study its original three-phase diversion plan. He said that continuing to use the company would save time needed to meet the statutory December 2019 deadline. Questions surrounding the AECOM contract remain due to an ongoing investigation into an alleged contribution made by the company to Governor Martinez's political action committee while the company was under consideration for the contract. CAPE attorney Pete Domenici Jr. explained that even if the allegations are proved, AECOM's contract will not necessarily be terminated.

"Would an agreement that we are not going to claim that water for a period of time be valuable?" Domenici asked. He suggested that if the CAPE made an agreement not to extract its allotted water for an extended time that it would allow "someone else to make longer plans for it and to create more value for it and perhaps share that value with us." Such an agreement could allow the CAPE to make money without constructing any water-related infrastructure. Domenici also explained that if the CAPE delays exercising its right to divert the water that it is allowed under the Arizona Water Settle-

Continued page 5



The Gila River in its natural state.
Photo: Mike Fugagli

The Newsletter of the Native Plant Society of New Mexico

July–September 2017. Vol. 42 No. 3. This newsletter is published quarterly by the Native Plant Society of New Mexico (PO Box 35388, Albuquerque, NM 87176) and is free to members. The NPSNM, a nonprofit organization, 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.

Next deadline is September 1, 2017. Articles and high-resolution artwork supporting the NPSNM's mission are welcomed and can be sent to the editor, Sarah Johnson, *sarita [at] gilanet.com*, or PO Box 53, Gila, NM 88038.

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Mission The Native Plant Society of New Mexico (NPSNM) is a non-profit organization that strives to educate the public about native plants by promoting knowledge of plant identification, ecology, and uses; fostering plant conservation and the preservation of natural habitats; supporting botanical research; and encouraging the appropriate use of native plants to conserve water, land, and wildlife.

Conservation Corner *(continued from p. 3)*

ments Act, the CAPE would still maintain the right to divert water in the future.

Additional information, including the dates and locations of upcoming meetings, is available on the CAPE's new website (<http://www.nmcapentity.org/>).

DOT Dust-Control Project

In April of 2014 a traffic accident took place at MP7 on I-10, just inside the Arizona border, in which seven people died in a multicar pile-up caused by a "dust event" that came and went in ten minutes. The tragedy led to the NM Department of Transportation successfully applying for \$675,000 in federal funds for a mitigation project, including \$175,000 for effectiveness monitoring. The approach that DOT is taking utilizes native plants to mitigate this public safety hazard. The mitigation project is intended to address acute incidents of airborne dust at a local scale, and will not affect the larger regional or "synoptic" dust storms in southern New Mexico.

DOT identified three "hot spots" for traffic accidents attributed to reduced visibility from dust. Two are in the Lordsburg Playa section of I-10, at MPs 7 and 11, on BLM surface management, and the other one is along US 180 north of Deming on private and state land. Lordsburg Playa is the remainder of a Pleistocene-era lake bed. The two locations on I-10 include portions of playa bottoms, which provide important amphibian, invertebrate, and bird habitat when wet. The playa bottoms will not be disturbed; instead, mitigation efforts will focus on the surrounding degraded uplands. Land imprinting and deep chisel-plow techniques will be used to increase surface roughness and rainwater infiltration. Erosion control actions will include brushpiles, strategic breaching, and construction of earthen berms.

The sites will be seeded with native plants, and grazing will be excluded for four years during implementation. The Deming site has been initially seeded with alkali sacaton. In the future, each site will be seeded with the DOT Zone 5 native seed list (<http://arcg.is/1RHjFk>). Seeds will be harvested from local surrounding vegetation at the I-10 sites. Pre-construction and follow-up monitoring of airborne dust will be performed by Dr. Dave Dubois with the NMSU Climate Center. NMDOT Environmental Section will monitor plant cover using the BLM Assessment, Inventory and Monitoring protocol, and will analyze the data to see if a correlation between airborne dust and plant cover can be established.

The purpose of the project is to increase visibility for the traveling public; improving the native plant community will be an added benefit. In addition to the public safety consideration, deposition of airborne dust is bad for plants.

Dust may affect photosynthesis, respiration, and transpiration and allow the penetration of phytotoxic gaseous pollutants. Visible injury symptoms may occur and generally there is decreased productivity. Most plant communities are affected by dust deposition so that community structure is altered. So this project utilizing native plants is also good for native plants!

Holy Ghost Ipomopsis

On March 2, the US Forest Service hosted the first meeting of the Holy Ghost Ipomopsis Working Group. *Ipomopsis sancti-spiritus* is only known from one location, Holy Ghost Canyon in the Sangre de Cristo Mountains of San Miguel County, in north-central New Mexico within the Santa Fe National Forest. It was listed as Endangered under the federal Endangered Species Act primarily due to small population size, impacts from development, and high levels of human activity in the immediate vicinity. NPSNM was represented at the meeting by President Tom Stewart and Past Presidents Barbara Fix and Bob Sivinski. Other groups that participated were the US Fish & Wildlife Service, NM State Forestry, the Upper Pecos Watershed Association, and residents of Holy Ghost Canyon. Priority actions that emerged from the meeting included conducting research on habitat and reproduction, monitoring and protecting existing populations, identifying potential new transplant locations, and educating local residents. Updating the species recovery plan was also discussed. NPSNM volunteered to create educational printed material for distribution to the residents.



Holy Ghost ipomopsis
Photo: Daniela Roth

Support the Botany Bill

The Botanical Sciences and Native Plant Materials Research, Restoration and Promotion Act, HR 1054, was introduced in the US House of Representatives in February and is making its way through congressional committees. The bill currently has 18 cosponsors, not including any of our New Mexico representatives. Last year, the NPSNM Board of Directors voted to join the Plant Conservation Alliance in endorsing this legislation. The Botany Bill proposes to promote botanical research and sciences and to generate demand for native plant materials in the federal agencies. A summary of the bill is at <https://www.plantconservationalliance.org/files/>

Continued page 6

Jack G. Makepeace, Jr. April 14, 1938–May 23, 2017

by Jim Hastings, El Paso Chapter

Jack Makepeace died after a brief bout with pancreatic cancer and its complications.

Jack joined the El Paso Chapter of the Native Plant Society of New Mexico in March of 2003. He was an active member of the chapter, serving as president and as chapter representative to the state board for several terms.

Jack was a biology and chemistry teacher in El Paso during his career. He was also an active member of the El Paso Cactus and Rock Club and the El Paso Rose Society. He was a welcome speaker for garden clubs throughout the city and served as a resource and mentor for many city gardeners of all types.

His knowledge and his willingness to share his expertise will be missed across the community. ❖

Conservation Corner *(continued from p. 5)*

pca/Botanical%20Sciences%20Bill%20Summary%202.17.pdf. Members are encouraged to contact your representative and ask them to support HR 1054 and consider becoming a cosponsor. It is most effective if you are able to meet with your representative in person, but if that's not possible, here is their contact information to send an email, postcard, or phone call:

District 1—Michelle Lujan Grisham
202/225-6316
<https://lujangrisham.house.gov/contact>
214 Cannon House Office Building
Washington DC 20515-0002

District 2—Stevan Pearce
202/225-2365
<https://pearce.house.gov/contact-me/email-me>
2432 Rayburn House Office Building
Washington DC 20515-0003

District 3—Ben Ray Lujan
202/225-6190
<https://lujan.house.gov/contact/>
2231 Rayburn House Office Building
Washington DC 20515-0003

New Mexico Rare Plant Conservation Strategy

The New Mexico Rare Plant Conservation Strategy (the PDF is available at <http://www.emnrd.state.nm.us/SFD/>

Continued page 10

New United Nations Report Acknowledges That Biodiversity Loss Undermines Human Rights

The following is a press release dated April 7, 2017, from the Native Plant Conservation Campaign (NPCC).

The United Nations now includes conservation of biodiversity and ecosystem services among the foundations of human rights around the world.

A groundbreaking new report to the United Nations Human Rights Council details the relationship between biodiversity, ecosystem services and human rights and makes recommendations for nations to meet their “human rights obligations relating to the enjoyment of a safe, clean, healthy and sustainable environment.”

In its official Statement welcoming the Report the International Union for the Conservation of Nature (IUCN) states that the UN report's recognition of the link between human rights and biodiversity should promote collaboration between the conservation, human rights and development communities to achieve the objectives of sustainable development.

The Report makes numerous recommendations for action. These include that States should:

- (a) Assess the social and environmental impacts of all proposed projects and policies that may affect biodiversity;
- (b) Provide public information about biodiversity, including environmental and social assessments of proposals, and ensure that the relevant information is provided to those affected in a language that they understand;
- (c) Provide for and facilitate public participation in biodiversity-related decisions;
- (d) Provide access to effective remedies for the loss and degradation of biodiversity.

The Report also calls on States to recognize defenders of biodiversity as defenders of human rights.

For more information about biological diversity, native plant conservation and ecosystem services, see the NPCC Ecosystem Services Pages: <http://plantsocieties.cnps.org/index.php/ecoss-main/overview>. ❖

Changed Your Email Address?

Please notify Lindsey Kirchhevel,
NPSNM Membership Coordinator:
npsnmembership@gmail.com

New Mexico Close-Up: Cowboy's Boutonniere

by Russ Kleinman, Gila Chapter

For as long as I can remember, I have played with the nifty foliage of *Mentzelia*. It sticks to clothing like Velcro. *Mentzelia* flowers can be quite showy and conspicuous.

This genus includes many species and has caused headaches for taxonomists. Until relatively recently, species boundaries were quite muddled and as a result keys to *Mentzelia* were hard to follow. *Mentzelia multiflora* became the catch-all species identification for any specimen that was confusing. While *Mentzelia multiflora* still exists as a species, it has been significantly pared down and is now much more precisely delineated. Much of what was identified in the past as *M. multiflora* now belongs to other species—commonly, varieties of *M. longiloba* and other species in New Mexico. Herbaria in the state have yet to fully implement the new taxonomy.

The narrowly defined species *Mentzelia multiflora* has many stamens. There is an outer whorl of stamens that look like petals, but those stamens are not tipped by anthers in this species. The flower illustrated here (see back page) does have anthers on the petal-like outer whorl of stamens, and therefore would not now be identified as *M. multiflora*. It is probably a variety of *M. longiloba*.

What makes *Mentzelia* so interesting to me? Certainly it can't be because of the messy keys of the past. It's the small

details that make it fascinating. For one thing, the petal-like stamens are strange, and reminiscent of early divergent angiosperm lineages such as the water lilies. However, the Loasaceae (the family to which *Mentzelia* belongs) appeared much later than the basal angiosperms, so one has to assume that the strange stamens evolved more than once in plants. Why?

The feature that makes *Mentzelia* most interesting to me are the hairs that are easily visible on the leaves with a hand lens. Plant hairs are commonly straight or branched, and can be gland tipped or not. *Mentzelia* has taken hair decoration to an all-new level, in my book. The *Mentzelia* pictured here has what are described as complex grappling-hook and needle-like hairs. These grappling-hook hairs are what make the leaves stick to clothing. Each of the complex grappling-hook hairs has a cap with four downward-pointing barbs, and several rings of downward-pointing barbs along the shaft. The needle-like hairs are pointed at the top and have many rings of upward-pointing barbs. One can only assume that these heavily armed hairs are quite damaging to the mouth of a small insect looking for an easy meal.

Next time you see a *Mentzelia*, take the time to look at the stamens and hairs with a hand lens. If you can, check out the wonderful hairs under a microscope! ❖

See photos
on back cover!

SAVE THE DATE! SEPTEMBER 21–24, 2017

13th Annual Gila River Festival

SILVER CITY, NM

Gathering the Gila

KEYNOTE SPEAKER

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River Outings • Workshops

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FEATURING

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Jack Loeffler

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See www.gilaconservation.org for full schedule.

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Chapter Activities & Events

For further information on the following events, notify the contact person listed, or visit the chapter's web page: First go to www.npsnm.org; click on Local Chapters; then

Albuquerque

All scheduled monthly meetings are normally the first Wednesday of the month at 7 p.m. in the NM Museum of Natural History, 1801 Mountain Rd. NW. For more info on programs contact Jim McGrath at 505/286-8745 or [sedges \[at\] swcp.com](mailto:sedges@swcp.com). For field trips, contact Carol Conoboy, [carolconoboy \[at\] gmail.com](mailto:carolconoboy@gmail.com), 505/897-3530. For meeting places indicated [A] through [H] see website.

Jul 5 Meeting. How to Woo a Bee: The Role of Flower Color, Scent, and Shape in Attracting Bees. Olivia Carril, plant biologist and author of *The Bees in Your Backyard: A Field Guide to North America's Bees*.

Jul 8 Field trip. Valles Caldera National Preserve. George Miller, leader. Preregistration required. Sign-ups may be limited due to required car permits. Meet 7:30 a.m. at [D]. Return by 5 p.m.

Jul 22 Field trip. Sandia Crest (or similar). Tom Stewart, leader. Followed by a pizza potluck at the home of Pam McBride. More TBA. Meet 8 a.m. at [A].

Jul 29 Field trip. Ojito Wilderness. Kerry Calhoun and Ara Winter, leaders. Meet 7:30 a.m. at [G]. Return by 4 p.m.

Aug No monthly meeting.

Aug 12 Field trip. Red Canyon in the Manzanos. Doris Eng and George Miller, leaders. Meet 8:30 a.m. at [A]. Return late afternoon.

Aug 18-19 Field trip. Holy Ghost Trail, Pecos Wilderness. Tom Stewart, leader. Arrive as early as possible on Friday if you wish to stay the night before the hike.

Aug 26 Field trip. El Malpais. Pam McBride and Doris Eng, leaders. Meet at [G].

Sep 6 Meeting. Plants and the Atmosphere: Air Pollution to Climate Change. Jim Nellessen, botanist, plant ecologist.

select the chapter. **Hikers** should always bring plenty of water, hat, sun protection, lunch and/or snacks, field guides, and wear sturdy shoes, suitable for rough, uneven ground.

El Paso

El Paso Chapter meetings are at St. Alban's Episcopal Church, 1810 Elm Street (Elm at Wheeling, off Piedras). Programs are second Thursdays at 7 p.m. (coffee social at 6:30) unless otherwise noted. All events free unless a fee is specified. Nonmembers always welcome. Info: Jim Hastings, 915/240-7414, [jimhastings \[at\] elp.rr.com](mailto:jimhastings@elp.rr.com).

Jul 8 (No meeting.) Visit to NMSU Herbarium, hosted by herbarium curator Sara Fuentes-Soriano. 10 a.m.–noon. Biology Annex, corner Stewart/Williams St. For info, call John White (575/640-7555) or Jim Hastings (915/240-7414).

Aug 10 Meeting: 6:30–8 p.m., site to be announced. Staff educators for Asombro Institute for Science Education will discuss their work.

Sep 9 Field trip. Mesilla Bosque State Park, 5000 Calle del Norte, Mesilla NM. Fee: \$5/vehicle. Meet at the parking lot at 10 a.m.

Gila (Silver City)

All programs are free and open to the public. Meetings are third Fridays at 7 p.m. at WNMU's Harlan Hall, with refreshments following the program. Hikers meet at 8 a.m. in south parking lot of WNMU Fine Arts Theatre for carpooling. For more hike info, call Kevin Keith, 575/535-4064. Updates posted on GilaNPS.org.

July-Aug No monthly meetings.

Jul 16 Field Trip. Tadpole Ridge Trail 232 in the Pinos Altos Range, Gila National Forest.

Aug 20 Field Trip. Little Dry Creek Trail 180 in the Mogollon Mountains, Gila National Forest.

Sep 8 Meeting (note date). "Important Plant Areas" of the Gila: A Virtual and Photographic Tour. Patrice Mutchnick.

Sep 17 Field Trip. Blackjack Trail 568 in the Big Lue Mountains, Apache National Forest, Arizona.

Las Cruces

Meetings and workshops are second Wednesdays (unless otherwise noted) at 7 p.m. in the conference room of the Social Center at the University Terrace Good Samaritan Village, 3011 Buena Vida Circle, Las Cruces. Field trips are Saturdays; most last into the afternoon. Participants must sign a release-of-liability form. Children must be accompanied by their parents. Programs and field trips are free; nonmembers always welcome. Contacts: Carolyn Gressitt, 575/523-8413; Tom Packard, 575/202-3708.



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Jul 12 Meeting. Monarchs: Results of Recent Field Investigations in NM and Elsewhere. Steve Cary.

Jul 15 Field trip. Carr Canyon, in the Sacramento Mountains. Meet 8 a.m., E end of K-Mart parking lot. All-day trip.

Aug 9 Meeting. Friends of Mesilla Valley Bosque State Park Native Plant Project. Vic Crane, president, Friends of Mesilla Valley Bosque State Park.

Aug 12 Field trip. Hike in the Gila or the Black Range. Meet 8 a.m., E end of K-Mart parking lot. All-day trip.

Sep 16 Field trip. Red House Mountain, near Hatch. Meet 8 a.m., E end of K-Mart parking lot.

Sep 20 Meeting. Desert Soils and the Interactions between Components of Desert Soils and the Native Plants of Our Chihuahuan Desert. Nicole Pietrasiak.

Otero (Alamogordo)

For field trip information, contact Elva Osterreich, echoofthedesert [at] gmail.com, 575/443-4408; or Helgi Osterreich, hkasak [at] tularosa.net, 575/443-3928. More info will be available by the beginning of each month.

Jul 15 Field trip. Cloudcroft Trestle Trail. Meet 8 a.m. SW corner Hwy 82/North Florida.

Aug 12 Field trip. Oshá Trail. Meet 8 a.m. SW corner Hwy 82/North Florida.

Aug 16–19 Otero County Fair. We will have our regular booth. Information about schedule and how you can help will be mailed to you closer to the event.

Sep 23 Field trip. White Sands Missile Range. Preregistration required. Will send out more information, but you may contact Elva or Helgi if you have questions now.

Santa Fe

Meetings are third Wednesdays at 6:30 p.m. at Christ Lutheran Church, 1701 Arroyo Chamiso (in the triangle of Old Pecos Trail, St Michael's Dr., and Arroyo Chamiso; across street from fire station). For more information, contact Tom Antonio, tom [at] thomasantonio.org, 505/690-5105. Meetings and talks are free and open to all.

July–September Please check the NPSNM website for upcoming summer activities for the Santa Fe chapter. We will resume our regular programs on the third Wednesday of each month at 6:30 p.m. starting September 20.

Taos

For updates, check NPSNM.org, our Facebook page (Native Plant Society New Mexico Taos Chapter), email TaosNPS [at] gmail.com, or call Jan Martenson 575/751-0511.

Jul 9 Hike. Columbine Canyon. Meet 8:30 a.m. at the KTAO parking lot to carpool to the trailhead, about 5 miles from Questa. Easy hike under 4 miles.

Jul 22 Hike. Amole Canyon. Meet 8:30 a.m. at San Fran-

cisco de Asis church in Ranchos, rear parking lot. Easy hike under 3 miles.

Aug 12 Workshop: Distillation of *Artemisia tridentata*. 10 a.m.–1 p.m. Fee: \$8. Limited to 10, reservation required, bring a chair. Contact Jan Martenson, 575/751-0511, or taosnps [at] gmail.com.

Aug 19 NM Native Plant Day. Chapter will have a table at Cid's. Come visit, or volunteer to help for a couple of hours.

Aug 20 Hike. Williams Lake. Meet 8 a.m., KTAO parking lot to carpool to trailhead. Moderately strenuous, 1,000 ft. elevation gain. Advance reservation required: ubelaker [at] mail.smu.edu, 214/726-5014, to reserve or cancel.

Aug 23 Lecture. Biology of Native New Mexico Bees. Olivia Carril, co-author, *Bees in Your Backyard*. 6:00 p.m., conference room, Juan Gonzales Taos County Agriculture Center, 202 Chamisa Rd.

Aug 26 Bee walk with Olivia Carril. 10 a.m.–noon. Location TBD.

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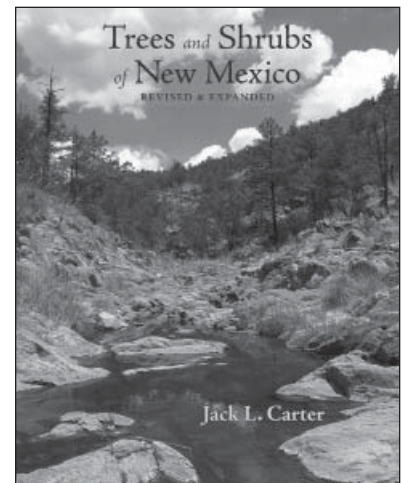
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- Landscaping tips for native plants



Conservation Corner (continued from p. 6)

documents/NMRarePlantConsStrategy_Final_reduced.pdf) is now an integral part of the State of New Mexico's Energy, Minerals, and Natural Resources Department Forestry Division's Forest Action Plan, which identifies natural resource conditions, needs, and opportunities across all land ownerships in the state and guides long-term Division management. The Forestry Division is a major partner in rare and endangered plant conservation, recovery, and research through its Endangered Plant Program. It is the only program within the state government that focuses on rare

plant conservation and operates statewide. The Strategy is focused on 235 rare and endangered plant species in New Mexico, including 109 species that only occur in New Mexico and nowhere else in the world. The overall goal of the New Mexico Rare Plant Conservation Strategy is to protect and conserve New Mexico's rare and endangered plant species and their habitats through collaborative partnerships between stakeholders and interested parties to aid and improve the conservation and management of rare plant species and to avoid federal listing. ❖

Contributions to the Jack & Martha Carter Conservation Fund

The generous financial support from so many NPSNM members and friends of the flora of New Mexico will make it possible for the Board to approve more funding for workshops throughout the state, additional basic research on a variety of critical plant taxa, continued support for the state's major herbaria, and hopefully for the development and sup-

port of more early education programs from K-12 in New Mexico schools.

Use the form provided below, or contribute through PayPal on the website, www.npsnm.org. Every contributed dollar is being used to protect the flora of New Mexico well into the future.
~Jack & Martha Carter

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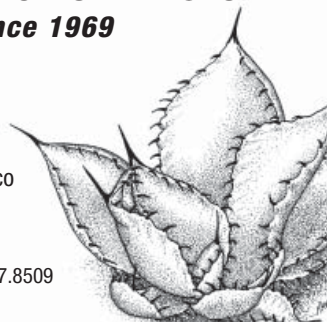
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Membership in the NPSNM is open to anyone supporting our goals of promoting a greater appreciation of native plants and their environment and the preservation of endangered species. We encourage the use of suitable native plants in landscaping to preserve 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. 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—check out <http://www.npsnm.org/posters/>



New Mexico wildflower posters:

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Cactus poster: 18"×24", \$5 (nonmembers, \$8)

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*I (we) wish to affiliate with the checked chapter:
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- Albuquerque Otero (Alamogordo)
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- Individual \$ 30
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- Friend of the Society 60
- Sponsor 125
- Patron 250
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- Limited Income, Teachers,
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Total: \$ _____

*Remember that 25% of contributions are
returned annually to the individual chapters!*



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is available online.

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recently archived issues
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New Mexico Close-Up



Photos: Russ Kleinman



Clockwise from above left: Formerly identified as *Mentzelia multiflora*, this species would now probably more accurately be called a variety of *M. longiloba*; Photomicrograph of the landscape of a lower leaf surface, showing two types of hairs; Detail of complex grappling-hook hair; Detail of needle-like hair.

See accompanying article on page 7.

