

Celebrate Sevilleta!

Saturday, October 22



- **New Mexico's most diverse wildlife refuge: four biomes covering 230,000 acres**
- **Easy walks, moderate to strenuous hikes, short talks, fun for kids & adults**
- **Live music from *Roon* and hot food from Green's Kitchen**
- **I-25, Exit 169, 1/2 mile west**

NEW RESERVED TOURS: \$15 (Leaving 8:00 am to 4:30 pm)

Along Los Pinos Ridge 3-mile strenuous hike up to & along the ridge

Deep Time: Geology of Southwestern Sevilleta Four-wheel drive tour

Toward the Sierra Ladrones 3-mile moderate hike

Site Visit to Sevilleta/Tzelaqui Pueblo: Easy walk & new findings

Sevilleta at Sunset: Four Biomes Driving tour

FREE, UNRESERVED TOURS

Unreserved walks & hikes: 9:30 am-2:00 pm

Exhibitions & Demonstrations & new Ten Minute Talks: 10:00 am-2:00pm

Long Wavelength Array & Solar Telescope & Archery

Reserved Kids' Photo Workshop & unreserved "Drawn to Sevilleta" Awards

Live Animals & Kids' Tracks & Scat & more!

Details: www.amigosdelasevilleta.org

Reservations: Call 505 864-4021, M-F 8:00 am-4:30 pm/Sat 9:00 am-4:30 pm

Presented by Amigos de la Sevilleta & Sevilleta NWR

CELEBRATE SEVILLETA!

SATURDAY, OCTOBER 22, 2016

Colin Barnett

Presented by Amigos de la Sevilleta & Sevilleta National Wildlife Refuge

Sevilleta National Wildlife Refuge covers an expanse of some 230,000 acres in New Mexico's heartland. Because its primary focus is on research and education, public access to the refuge is limited. Our annual **Celebrate Sevilleta!** is an opportunity to experience New Mexico's most ecologically-diverse and largest refuge. This year, we're offering an array of new tours, new hands-on activities, new exhibitors, Ten Minute Talks, live animals, live music, a food truck, and most of all, the chance to spend the day enjoying the memorable place that is Sevilleta.

RESERVED TOURS

Cost: \$15.00 per person. **Those leaving from the Visitor Center** will use refuge SUVs and vans. **Please arrive a half hour before departure time to check-in. For tours meeting elsewhere, please arrive 15 minutes prior to the tour.** Whether the tour involves easy walking or strenuous hiking, we recommend layered clothing, hiking boots, sunscreen, sunglasses, hats, food as needed, and water.

Along Los Pinos Ridge

8:00 am-1:00 pm

Los Pinos Mountains form the eastern boundary of Sevilleta NWR. Climb through piñon-juniper woodlands to the ridge and then enjoy spectacular 360-degree views as you hike. Approximately three miles round-trip, all off-trail, rocky and uneven underfoot. Start at about 6800 feet and climb to over 7300 feet. Varied wildlife sightings possible, beautiful vistas guaranteed. Level: Strenuous. Leader: Kathy Granillo, Refuge Manager. Volunteer Naturalist: Gary Loos. Meet at Visitor Center.

Deep Time: Geology of Southwestern Sevilleta

8:15 am-1:15 pm

See spectacular landscapes from several vantage points and learn how the features have developed through deep time. Cross active and inactive faults related to the Rio Grande rift, a major north-south flaw in the earth's crust that is followed by the Rio Grande. The rocks between the faults have been raised or dropped, and tilted, exposing the rift's geologic history at the eroded surfaces. If the route is passable a winding side trip down Silver Creek to the Rio Salado offers rewarding views of canyons cut into bizarrely sculpted badlands—and geologic features laid down about 15 million years ago. Level: Easy. Leaders: Geologists Dr. Bruce Harrison and Dr. Dave Love, NM Tech.

(NOTE: Since 1950, the New Mexico Geological Society has held an annual field conference in a geologically interesting region and published an area guidebook with detailed road logs and peer-reviewed papers. This year's conference was held in Belen, with pre-conference field trips to Sevilleta. *The Geology of the Belen Area* road log will be available for purchase in the Amigos' Nature Store.)

Toward the Sierra Ladrones

1:00-5:00 pm

Head across the Rio Puerco to the far northwest corner of the refuge. There you'll see surprising artifacts from WW II and the Cold War, hear stories about Sevilleta's sheep-herding and cattle-ranching days, and enjoy one of the prettiest hikes anywhere on the refuge. You'll follow dirt tracks and sandy drainages across gently rolling terrain turned green by recent rains, dotted with wildflowers, and offering intermittent close views of "thieves" mountain. Your destination is a habitat restoration project at Red Tank, a former watering tank crudely constructed of the site's red earth. Under three miles, roundtrip. Mostly even underfoot. Level: Moderate. Leaders: Volunteer Naturalists Mike Chavez and Jim Scanlon.

Site Visit: Sevilleta/Tzelaqui Pueblo

1:30-3:30 pm

In 1598, this Piro pueblo was the first pueblo in which Oñate slept during his expedition. He renamed it Nueva Sevilla, perhaps in hopes the small pueblo would become a fine city to the east of a great river, like Sevilla on the Guadalquivir. By the late 1620s, the friar Benavides had established the mission of San Luis Obispo de Sevilleta, but as Michael Bletzer notes, “recent archaeological and archival research attests to...its jumbled occupation history up to its final destruction in the winter of 1681/1682.” This jumbled history includes “...a long misidentification of the pueblo’s structural components, including the mission complex...” Hear about the latest surprising findings from the archaeologist who has researched the Piro since 1999. Level: Easy. Leader: Michael Bletzer, Program Director and Principal Investigator, Piro Archaeology Program. Driving directions furnished to participants.

Sevilleta at Sunset: Four Biomes

4:30 -7:30 pm

Learn about the four biomes, the large communities of plants and animals, that make Sevilleta an extraordinary site for research. Intersecting within its some 230,000 acres are Colorado Plateau Shrub Steppe, Great Plains Short Grass Prairie, Chihuahuan Desert and Pinyon-Juniper Woodland. In addition, the Rio Grande runs through it, creating a riparian zone of river, wetlands and gallery woods (the *bosque*). You will also experience Sevilleta at a beautiful time of day—including the “magic hour.” Level: Easy. Leader: Jeanine Kimble, Refuge Visitor Services Manager. Volunteer Naturalist: Mary Nutt. Meet at Visitor Center.

FREE Unreserved Guided Tours

(Sign up at the Amigos Table at entrance to Visitor Center.)



**Visit Sevilleta’s Long Wavelength Array (LWA) Station
Either 10:15-11:00 am or 11:30 am-12:15 pm**

Learn from UNM astrophysicist Greg Taylor how the LWA project (with some 50 stations) will explore the universe. Read about it: www.phys.unm.edu/~lwa/docs/PopularInfoSheet.pdf and check out the live feed of the skies over Sevilleta: www.phys.unm.edu/~lwa/lwatv2.html

SEVILLETA’S VOLUNTEER NATURALISTS (VNs) will lead these tours:

9:30-10:15 am: Family Geology Walk Easy walk & talk about neat rocks.

10:00-11:30 am: Sevilleta Phenological Trail Easy stroll with NM Master Naturalist

10:30-Noon: Mesa View: Moderate hike over varied terrain. Vistas.

11:00 am-Noon pm: Nature Loop Easy mile-long walk in lush Chihuahuan desert

11:30am-1:30 pm: Mesa View Extended Moderate hike over varied terrain. Vistas.

Noon-1:00 pm Nature Loop Easy mile-long walk in lush Chihuahuan desert

12:30-2:00 pm Mesa View: Moderate hike over varied terrain. Vistas.

1:00-2:00 pm Nature Loop: Easy mile-long walk in lush Chihuahuan desert

FREE RESERVED Boys & Girls Photo Workshop for Ages 6-12

10:30-11:15 am

Cameras and all materials are provided. An adult chaperone must accompany each child. Register by calling 505 864-4021 or emailing reservations@amigosdelasevilleta.org. Include child's name & age, chaperone's name, email and phone number.

“DRAWN TO SEVILLETA” AWARDS CEREMONY

2:00-2:45 pm

Winners of the Sevilleta National Wildlife Refuge “Drawn to Sevilleta” school poster contest will be recognized and prizes awarded. Come help us honor these talented young artists. The hundreds of entries will be on display in the lobby of the Visitor Center.

DEMONSTRATIONS & EXHIBITS 10:00 am-2:00 pm

- Archery
- Animal Olympics
- Solar Telescope
- Native Plant Society (Albuquerque Chapter)
- Fun with Geology with Susie Welch, Geologic Extension Service, NM Tech
- Prairie Dog Pals
- Wildlife Rescue Incorporated: Human Handlers & Raptor Ambassadors
- Tracks and Scat
- BEMP (Bosque Ecological Monitoring Program)
- Friends of Whitfield Wildlife Conservation Area
- Friends of Valle de Oro NWR
- Friends of Bosque del Apache NWR
- Camino Real Historic Trail Site

New TEN MINUTE TALKS: 10:20 am-1:00 pm

Take ten minutes to learn a bit about the surprisingly nuanced language of prairie dogs, the uses of native plants, adaptations of box turtles, citizen science at Sevilleta, research

at the UNM Field Station, what you learn by collaring cougars, and more. Schedule will be posted in front of the Visitor Center. Talks take place on the shady north patio.

RESERVATIONS TAKEN BEGINNING Thursday, SEPTEMBER 15

For reservations or more information, call Sevilleta NWR at 505 864-4021.

Call promptly. Space is limited. Visitor Center hours: Monday through Friday, 8:00 am to 4:30 pm; Saturday, 9:00 am to 4:30 pm.

PREPAYMENT REQUIRED: *by credit card over the phone, or mail check to Amigos de la Sevilleta, PO Box 1248, Socorro NM 87801. Refunds only if reservations cancelled NO LATER than Wednesday, October 19, 9:00 am.*

- Along Los Pinos Ridge
8:00 am-1:00 pm
in party: _____ x \$15.00 = _____

 - Deep Time:Geology of Southwestern Sevilleta NWR
8:15 am-1:15 pm
in party: _____ x \$15.00 = _____

 - Toward the Sierra Ladrones
1:00-5:00 pm
in party: _____ x \$15.00 = _____

 - Site Visit: Sevilleta/Tzelaqui Pueblo
1:30-3:30 pm
in party: _____ x \$15.00 = _____

 - Sevilleta at Sunset: Four Biomes
4:30-7:30 pm
in party: _____ x \$15.00 = _____
- TOTAL _____

E-mail _____
For confirmation purposes

Phone _____
For confirmation purposes

Please return the registration form with your check: