



NEWSLETTER

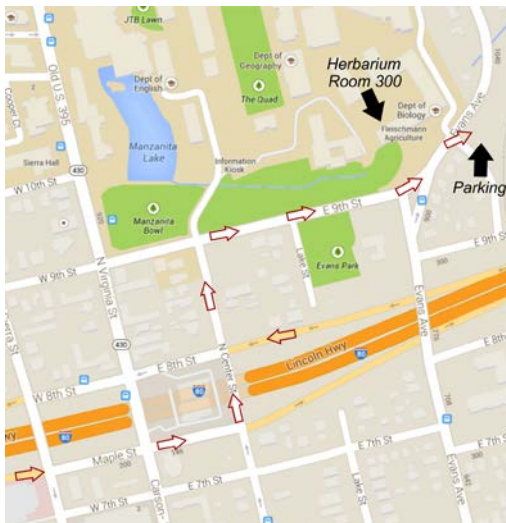
Vol. 40, No. 1

FEBRUARY 2014

NORTHERN NEVADA HAPPENINGS

MEETINGS

NOTE NEW MEETING PLACE



We meet down the hall from the UNR herbarium in room 300G of Fleischman Agriculture, at the University of Nevada. This is just north of the intersection of 9th St. and Evans Ave. The elevator is located at the east end of the building. You can park just east of this in the lot on the southeast corner of Evans and Record Way. Social time starts at 7 pm and the program will start at 7:30 pm. If you would like to join any of the speakers for dinner beforehand, meet at Carrow's Restaurant on the northwest corner of Wells Avenue and 6th St. at 5:30 pm.

FEBRUARY 6th - Gary Monroe, NNPS member and avid photographer, will present his botanical images from recent field trips with the *Eriogonum* Society and *Penstemon* Society.

MARCH 6th - Tom Schweich, an independent botanist living in the California Bay Area is currently studying the flora of the Mono Basin. He will provide a presentation on his project, A Checklist Flora of the Mono Lake Basin, Mono County, California and Mineral County, Nevada.

APRIL 3th - Final spring meeting for 2014.

SOUTHERN NEVADA HAPPENINGS

MEETINGS

Meetings are on the first Monday of every month starting at 6:30 pm. They are held at the U.S. Geological Survey office at 160 N. Stephanie Street in Henderson. Contact Matt Hamilton (702) 468-2251 if you have any questions or would like to be added to the notification by email list, mojave0827@aol.com

GRANTS AVAILABLE FOR BOTANICAL RESEARCH

NEVADA NATIVE PLANT SOCIETY Margaret Williams Research Grants for Botanical Research

The **Nevada Native Plant Society (NNPS)** Margaret Williams research grants program will annually award up to two grants of not over \$1000 each.

These grants are designed to facilitate basic botanical research and increase our understanding of Nevada's native and naturalized flora. The research should cover some aspect of our flora from single species to whole communities or ecosystems. Research can include, but is not limited to, disciplines such as conservation, landscape analysis, ecology, biogeography, or taxonomy.

CRITERIA AND PROCEDURES

Written proposals are to be submitted to the Small Grants Program chairman. Research proposals should be concise and to the point!! Each proposal should contain a title, objectives, methods, expected final product, a brief statement of applicant's qualifications, and a project budget for how **NNPS** funds will be spent. If applicant is a student an accompanying letter from their advisor is required (maximum of one page). Inclusion of an e-mail address will facilitate notification. Deadline is 1 February 2014.

Costs covered by these grants include travel, lodging, meals, services such as computer time, graphics, phone, copying, and film and processing. Non-eligible costs include equipment, wages, typing, and costs unrelated to the project.

A decision will be reached by 1 March 2014. All applicants will be notified of the committee's decision. The committee may decide not to fund a grant in any given year.

Successful applicants will be required to discuss their research results with **NNPS**. This can be through an article for our newsletter or by giving a presentation at an evening **NNPS** meeting.

Support in the form of a **NNPS** Margaret Williams Grant will be awarded only once for any one project.

We would prefer proposals be emailed to Jim Morefield at jdmore@heritage.nv.gov They can also be snail mailed to the following address.

Nevada Native Plant Society, Small Grants Chair, P.O. Box 8965, Reno, NV 89507-8965

2014 NEVADA RARE PLANT WORKSHOP

The 2014 Nevada Rare Plant Workshop will be held in Reno all day on Thursday the 3rd of April and the first half of Friday the 4th of April. If the number of presentations or other agenda items demands, we can expand into either Friday afternoon or Wednesday afternoon, but we will need to make this decision by February 10th. As always, THE AGENDA SHAPE AND SIZE WILL DEPEND HEAVILY ON YOUR CONTRIBUTIONS AND SUGGESTIONS.

If you plan on attending please contact Jim Morefield [jdmore@heritage.nv.gov 775-684-2902] ASAP with the following information:

Topic(s) you wish to present to the group (~20 min. unless otherwise requested). Please follow up ASAP with an abstract.

Names/topics of other presenters you would like to suggest.

New or previously considered plant taxa in need of review by the group (and the issues needing review).*

NNPS BOARD OF DIRECTORS MEETING, 23 JANUARY 2014

by Janel Johnson

The Board of Directors Meeting is scheduled for Thursday, January 23rd at 5:30 pm. So far I only have the Treasurer's report for the agenda. If you are a committee chair, please send me a brief summary of committee activities for the year. If you have any additional items for the agenda, please send them via email.

Sarah Kulpa will host the meeting and will make the main entree of pasta and meatballs. If others could contribute salad, drinks, and dessert, that would be great. We could also use a few folding chairs. Please RSVP to sarah_kulpa@fws.gov or smkulpa@gmail.com so she knows how much food to prepare. Her address is 10200 Cavalry Circle Reno Nevada, 89521. If you are planning to attend via conference call the number is (712) 432-1500 and the Access Code is 490600#. We will start the call at 6:15pm. If you have questions contact Janel at jdjohnson@heritage.nv.gov or at 775-684-2911.*

LEARN MORE ABOUT PLANTS AND THEIR USES AT TRUCKEE MEADOWS COMMUNITY COLLEGE [TMCC]

by Evert Broderick



Oregon grape root.

The Herbal Studies Program is in its third year at TMCC. We offer a broad-based series of courses and workshops, each focusing on some aspect of medicinal and edible plants and herbology. We emphasize a hands-on, experiential approach to learning through field, lab, and traditional lecture-based studies, and focus on the wild-growing and cultivable plants of Nevada and surrounding regions of the Sierra Nevada, Great Basin, and Mojave Deserts. The Program is offered through TMCC's

Workforce Development and Continuing Education department so all of our courses and workshops are open to



Balsam Poplar preparation.

the public. The only prerequisites are an interest in plants and the desire to explore and learn.

Our courses are offered during the spring and fall semesters and take place on Tuesday and Thursday evenings. Day-long workshops usually take place on Saturdays and are offered throughout the year. For more information contact Evert at ebroderick@tmcc.edu

Learn more about the Herbal Studies Program by opening the following links. If you have specific questions please contact Evert Broderick - ebroderick@tmcc.edu .

FRIENDS OF THE RENO HERBARIUM – a new support group for the Nevada botanical community by Arnold Tiehm

With the recent move to larger quarters at the main UNR campus exciting things are happening in the RENO herbarium. We have had a large increase in visitors who complement us on the new surroundings, abundant table space, and plentiful windows letting in natural light. The expanded space has allowed us to tackle some curatorial rearrangements that were impossible to do in the limited space of the old quarters on Valley Road. We also are working to keep our two dedicated computers busy entering the entire collection into a usable database.

We have aspirations to develop and improve the RENO herbarium into a modern scientific and academic component of the University's College of Agriculture, Biotechnology, and Natural Resources. To reach this goal we have formed a support organization called **Friends of the RENO Herbarium**. The purpose of the group is to link interested individuals with the herbarium for management, use, and development of the collection. And we expect to have a lot of fun doing so by working both within the building's walls and out in Nevada's hinterlands collecting plant specimens for academic and scientific purposes.

There are several ways that "Friends" can help the RENO Herbarium, but two main ways to support are to volunteer time to work on the collection and to donate to the herbarium fund. Collection volunteers will be trained to glue new specimens onto herbarium sheets, file the collections, and enter label data into the database. If you are interested in a certain group of plants you may want to curate our holdings of that family making sure the specimens are in good shape and are named correctly. We also have collections that need to be processed, which consists of naming the plant specimens and creating and printing labels for them. Once that is done they can be glued and filed. Volunteers can be accommodated during the work week and if wanted we may schedule weekend work days—maybe one Saturday morning a month if there is interest.

The new location has prompted a list of want and need items such as herbarium cabinets, additional computer equipment, and a camera set up for digitizing the collection. Friends are encouraged to donate items or money to purchase these kinds of things that will build the herbarium for students, researchers, land managers, and the botanical community at large. We welcome any way you can be a Friend. Donations can be made at the following link by clicking

on designations <http://supportnevada.unr.edu/cabnr> . For more information or for a tour of the new facilities contact Arnold Tiehm at 775-742-9180 or at atiehm@att.net*

CITIZEN SCIENCE - THE RACE NORTH: POLLINATION ECOLOGY OF JOSHUA TREES

Tikaboo Valley, Nevada, March 21, 22, 23 & 24, 2014 – Joshua trees are the most unique and recognizable plants of the Mojave Desert, but the most amazing thing about them may be their unusual pollination biology. Joshua trees are pollinated exclusively by two species of yucca moths – tiny grey moths that carry pollen to the trees in their mouths. The moths in turn reproduce by laying their eggs inside the Joshua tree flowers. Thus, both the moths and the Joshua trees are dependent on each other for reproduction. The future of this remarkable pollination system is threatened, however, by ongoing global climate change. Computer models predict that within the next 100 years Joshua trees may disappear from much of their current range, and emerging demographic data suggest that many populations in the southern Mojave Desert are already on their way to extinction. It is possible that the species may be able to survive by migrating to more temperate environments further north, but the trees' capacity to escape warming climates will depend on how quickly they are able to colonize new habitats. A lonely valley in central Nevada, on the northern edge of the Joshua trees' range, creates a 'natural laboratory' for studying how Joshua trees are responding to global climate change. At this site, eastern and western subspecies of Joshua trees, along with their respective yucca moth pollinators, meet and interbreed. By tracking spatial patterns in plant demography at this site, it may be possible to predict which Joshua trees -if any- will win the The Great Race North. During a three-day citizen science program, participants in this course will contribute to ongoing scientific research on the population ecology of this most famous Mojave Desert species.

Sponsored by the Desert Institute at Joshua Tree National Park, this field seminar meets at the Windmill Ridge Inn in Alamo, NV on Friday, March 21, 7 pm – 9 pm, Saturday, March 22, 9 am – 5 pm, Sunday, March 23, 9 am – 5 pm & Monday, March 24, 9am – 9 pm. Course fees are applicable and lodging accommodations are not included. For class catalog, information, and registration, please call (760) 367-5535 or visit www.joshuatree.org.*

Nevada Native Plant Society
PO Box 8965
Reno NV 89507-8965

RETURN SERVICE REQUESTED



MEMBERSHIP APPLICATION

Name_____

Phone_____

Mailing
Address_____

City_____ State_____ Zip_____

Email_____ ☐ Renewal

Newsletter preference: ☐ Paper ☐ Electronic

- Individual, family or group for one year\$15.00
 - Individual, family or group for three years ..\$40.00
 - Student or senior citizen, each year\$10.00
 - Life membership\$450.00
- Dues are for the calendar year in which you join. Membership expiration dates are on the mailing labels.

Gifts, and bequests are tax deductible.

Your donation in any amount is appreciated \$_____

Please make checks payable and mail to: NNPS • P.O. Box 8965 • Reno, NV 89507