President’s Message

Congratulations are in order for our newly elected 2018 officers! I (David Ledger) am taking over for Laura Brodhead, who took over as President in January 2017 on short notice, while working full-time for a federal agency with a hiring freeze and knowing little about the Chapter. Thank you, Laura, for helping us get through a difficult 2017. Susan Libonati-Barnes is taking the reins as Vice President from Doug Mandel, who served in this position for several years and who was instrumental in helping the Chapter move forward through difficult times. Thank you, Doug, for your dedication and hard work. Analia Betucci has stepped up to the job of Secretary, which was vacated by Margaret Widdowson, who also held her position for several years, and who did a marvelous job keeping minutes and contributing to the Chapter in general. Vickie Hall is our only incumbent, keeping her job as Treasurer, at which she has proven adept. Many thanks to both Margaret and Vickie.

Like the slate of officers, many committee chairs have changed as well. We lost two very important board members who have been the backbone of the Shasta Chapter for many years. Jay & Terri Thesken have resigned from the Board and the many duties they have President’s Message continued on page 2.

New Venue!
The Shasta Chapter has moved its meeting place to the Northern California United Way Conference Room at 2280 Benton Drive, Building B, Redding. As you drive into the parking lot from Benton Drive, Northern California United Way is the second building on the right, Building B. We will have a sign on the street and in front of the building to help you locate it. Google the address for Northern California United Way if you need a map.

This place has carpeted floors, soft chairs, a big screen for PowerPoint presentations, and a homey atmosphere. Meetings will start at 7 PM as usual, but doors will open at 6:45 PM for book sales, plant identification, and a botanical term display.

Native Plant ID
Do you have any plants that you would like identified? Bring your unknown plant or a picture (both flower and leaf is best) to the meeting at 6:45 PM and we will have someone there who can help with identification.

Learn New Plant Terms
Also at 6:45 PM, we will have a short review of botanical terms for members to learn (or relearn) before each meeting, with a visual display of actual plants or plant drawings. For the first meeting, I will bring several pages of leaves with relevant botanical terms shown for each morphological feature. My inspiration for this was Robin Fallscheer’s talk on fawn lilies. She used a few almost-forgotten botanical terms such as scape—a common term that I hadn’t used for years, and had to look up how it differed from peduncle. We hope to feature different terms of plant morphology each meeting. ♥

-David Ledger, President
taken on, including: propagation, plant sales, scholarship committee, treasurer, fieldtrip leaders, and more, but they have promised to remain active in the Chapter.

The Propagation Committee, under the new direction of Margaret Widdowson, is starting to institute CNPS Best Management Practices (BMPs) for Chapter plant sales to prevent the spread of Phytophthora, a non-native Oomycete (water mold), which can spread to native plants, causing diseases such as Sudden Oak Death. It may take a year to fully implement the BMPs, but it is important that we take precautions, so we don’t inadvertently spread disease.

Our new and enthusiastic Fieldtrip Chair, John Springer, has a number of new fieldtrips scheduled for January and February, but he could use some help from other members to keep a busy schedule going throughout the rest of the year. (See calendar, page 8, and articles, pages 4 and 5)

Positions that are still vacant and need filling include Member at Large, Scholarship Chair, Native Plant Tour Chair, and Matson Mowder Howe Celebration Garden Maintenance Chair. Volunteers are the lifeblood of the Chapter. Please contact me at dledger@sbcglobal.net or 530/355-8542 (no texts) to help us to achieve our goals by volunteering for one of these positions, or just to volunteer to help out in general.

My emphasis as Chapter President will be on education and on taking a more active role early in the planning process of local government by commenting on new developments that threaten native plants and their habitats. To do this, we need to get more of the general public interested in learning about native plants, which will help us to get a better base of support for our goals. Toward that goal, we have changed a number of aspects of our Chapter meetings: new meeting venue, new pre-meeting ID session, new emphasis on learning botanical terms, and a reinstatement of a books and posters sale table. Please see article on page 1 for details.

Conservation is an area that I want to concentrate on in 2018. Ever since I moved here in 1980, I have noticed that the Redding area has had the attitude that growth is good, with minimal regard for the environment and quality of life that urban sprawl brings, only limited by state-required regulations. This attitude toward growth with little regard for the environment was recently shown by the clear-cutting of about 700 native trees at the Churn Creek Market Place development. The proposed big-box Costco development, to be located between Bechelli Lane and I-5 at South Bonnyview Road, has plans to remove virtually every native tree on the site, and to replace them with 200 non-native trees. We need a city tree ordinance with some teeth in it.

As the incoming President of the Shasta Chapter, I will work hard to follow in the footsteps of previous Presidents in continuing the mission of CNPS to conserve California native plants and their natural habitats, and increase understanding, appreciation, and horticultural use of native plants.

-David Ledger, President, Shasta Chapter CNPS

**CNPS Loses Sulphur Creek Brodiaea Appeal**

Unfortunately, the Shasta Chapter lost its appeal to the Redding City Council of the Vistas Subdivision project, which we filed because of our concerns about protecting the rare California Rare Plant Rank 1B.1 Sulphur Creek brodiaea (Brodiaea matsonii).

We had five people comment sequentially in the allotted three-minute speaking time per person. Robin Fallscheer, John Springer, John Livingston, Janet Wall, and David Ledger each went through a section of the 28-slide PowerPoint presentation. Other speakers in support of the appeal included Lang Dayton, Susan Libonati-Barnes, Mike Jones, and a few others I did not know. Lang wrote an excellent, moving letter of support. We had a number of other letter writers, including John Springer, Chris Harvey, and Shirley Martin.

After our presentation at the Council meeting, they voted down our appeal 4 to 0. While this was disheartening, we did educate a lot of people and learned a lot in the process. A better route to have followed would have been to reach some sort of agreement with the developer, except then we would have lost all rights to appeal. We should also have been lobbying the City Council members from the start of the process. A lot of CEQA requirements were not followed for this subdivision, which, for Redding, is a decent subdivision compared to many others, such as the Salt Creek subdivision. The unfortunate thing for all involved was that we did not know about the plant until after the development was originally approved. We had many CNPS members and supporters in the audience and it was nice to see such a strong show of support.

Now we have to work on preventing any future threats to Sulphur Creek brodiaea and its habitat. To protect the plant in the future, I have already started a petition for listing it as endangered under the California Endangered Species Act. It seemed formidable at first, but by using Heath Bartosh’s successful petition for listing Livermore tarplant as a format, it is not as hard as it once seemed. The Livermore tarplant grows on only 90 acres and has a population of over 300,000 plants threatened by development. Sulphur Creek brodiaea grows on under 10 acres and has a population of 200 to 500 plants, so it should receive an endangered listing, but it takes several years to go through the process. With volunteer help this May and June for a population count, we may be able complete the petition by fall of 2018.

-David Ledger, Conservation Chair

**National Award Won!**

Marla Knight, retired Forest Botanist from the Klamath National Forest, recently received a national award for Excellence in Rare Plant Management, for the year 2016, presented at the USFS Region 5 Leadership Team Awards Ceremony in Sacramento on December 13. Her successor, Erin Lonergan, who wrote and submitted the nomination, was also present. Marla was recognized primarily for her long-term commitment to conserving the Siskiyou Mariposa lily, which was removed from the Candidate Species list due largely to her efforts. Congratulations Marla!
**What's Happening**

This winter, the Plant Propagation Committee will be hard at work simultaneously planning for a new venture, as well as continuing business as usual to prepare for our annual Spring Plant Sale. The new venture involves some exciting changes in how we propagate and grow plants. CNPS is at the forefront of new nursery management practices designed to prevent the introduction and spread of a group of plant pathogens: the water molds, or *Phytophthora*. These new practices aim to create a clean environment for taking cuttings, potting up young plants, and growing them up for sale. A good way to think about what’s required is to think *kitchen-clean!* That’s what we are aiming for. Learn about these new methods next time you volunteer at propagation! And check out CNPS’s Phytophthora Resources web site page for much more information: https://sites.google.com/site/cnpsphytophthoraresources/ In the meantime, we have hundreds of young ceanothus plants getting ready for the Spring Plant Sale.

**Spotlight: Manzanitas**

Over the winter, when not much seems to be happening in the garden, the manzanitas are stirring. One of our earliest flowering native plants, you can start to see their distinctive clusters of fragrant waxy white or pinkish urn-shaped flowers as early as January and February. They provide an excellent nectar source for the first native bees and bumble bees to emerge in the early spring. The berries that form later give the group its common name, from the Spanish for small apple, *manzana*.

Familiar and common throughout the State from coast to high mountains, there are about 60 species of manzanita in California. For a great reference to these “rock stars of woody shrub diversity,” check out *Field Guide to Manzanitas* by Michael Kauffmann (https://www.backcountrypress.com/books/field-guide-manzanitas/).

In the garden, manzanitas are tough and undemanding, tolerating summer heat and winter chills. The low, matforming manzanitas make great ground-hugging carpets, while others are small rounded shrubs or larger open shrubs, ranging up to small trees. Their gnarled stems with characteristic peeling or shredding bark in shades of oranges and browns can be used to great effect as an individual specimen plant, showing off the twisted colorful branches, or as a backdrop to foreground plantings. They can also be pruned into hedges or even fanciful topiary.

For our Spring Plant Sale, we have chosen a popular and proven ground-cover manzanita that thrives in the garden: Emerald Carpet. A tidy little plant, the small shiny green leaves are densely arranged along slender stems, and clusters of delicate white flowers appear in the spring.

-Margaret Widdowson, Plant Propagation Chair

**Winter Gardening Tip**

As some California natives mature in your garden, they can get leggy and have reduced flower production. Periodic winter pruning of California fuchsias, mallows, salvias, asters, and mountain mahogany is beneficial for renewed bloom and aesthetics. As winter cools the soil and these plants go into semi-dormancy, prune them to one-half their height; fuchsias and asters can be trimmed to the ground. You will find that this practice will revive your garden with exuberance in the spring. Care should be taken to withhold this practice from winter/spring-blooming natives such as manzanita and ceanothus. These species are best lightly pruned after their bloom.

-Michele Driggs
**FIELDTRIP FOLLOW-UPS**

**EAST WEAVER CREEK, NOVEMBER 4**

The rain ended and a strip of blue sky beckoned as our group headed west to Weaverville on a cool Saturday morning. Mother Nature provided the 13 participants a show of fall color guaranteed to lift spirits. Most remarkable were the bigleaf maples with leaves up to a foot wide, some of which were still on the trees in shades of pale, pale yellow, to bright yellow, to bronze, while others carpeted the ground in a spectacular paisley patchwork. More color was provided by thimbleberry, currant, bracken fern, and fairy bells. A few dogwood showed bright red, but most had already shed their leaves. California spikenard bent at the edges of the creek, with large yellow compound leaves and lacy pink heads that once had held berries. As for fruits, we saw bright white snowberries in profusion, salmon-colored honeysuckle berries, and bright orange madrone fruits. The tops of Douglas-fir, ponderosa pine, and madrone towered above us. Cutleaf blackberry (a non-native) fascinated with its alien-appearing leaf shapes. We also saw, as advertised, the California groundcone (*Kopsiopsis strobilacea*) and were able to observe specimens that not only showed the above-ground fruiting body but the long tuber that extends below ground to feed off the roots of the host madrone. A bonus was a bald-faced hornet nest high in a tree that must have measured at least 18 inches long and 12 inches wide!

The group investigated differences in foliage and early growth habits of the Douglas-fir and Pacific yew, the latter quite prevalent in some parts of this drainage. We measured the leaves of prince’s pine or pipsissiwa (*Chimaphila umbellata*) to determine that we were seeing that species and not little prince’s pine. A stunted conifer with long, shaggy needles in bundles of five might have been a sugar pine struggling to get enough light under the dense forest canopy.

Another highlight of this trail is when it abruptly crosses into an oak savanna. Variables of moisture, aspect, and possibly soil type produce a habitat dominated by Oregon white oak, gray pine, buckbrush, greenleaf manzanita, and grasses.

This trail will be featured again in the spring schedule. As special as it was at this time of year, it will present another set of wonders then. See you there! ❤️

- John Springer

**OREGON GULCH, NOVEMBER 11**

This fall-colors fieldtrip did not have the fall colors of Weaverville, but we did enjoy seeing all the native shrubs and trees of this natural urban oasis. It has the usual invasive grasses and forbs, but still has the native vegetation and wildlife, including a number of different birds.

We had 14 people show up, with four new participants, including Chris Flentye, a professional photographer who occasionally submits photographic essays of outdoor events to Redding Visitors Bureau. Walk leader David Ledger gave plant lists to all participants, and most of the regulars on CNPS walks could identify most of the plants along the trails. We saw three blooming plants: vinegar weed (*Trichostema lanceolatum*), naked buckwheat, and moth mullein. Vinegar weed was a new plant for many of the new people, and a favorite of most of the regulars. Most enjoyed the plant’s distinctive aroma. ❤️

-David Ledger
CALL FOR FIELDTRIPS AND LEADERS
Got an idea for an awesome fieldtrip? Or want to lead a fieldtrip to one of your favorite trails? You don’t need to know all the plants as there’s bound to be other CNPS members attending who can help out with plant IDs. Also, if an unknown plant is present in abundance, a small specimen can be brought to the monthly Chapter meeting for identification. Contact me at springsceep@yahoo.com with your ideas for fieldtrips or to volunteer to lead one! ♥ -John Springer, Fieldtrip Chair

MMH CELEBRATION GARDEN CLEANUP
Our small crew accomplished a lot at our short, two-hour work session of leaf raking, pruning, and planting at the Matson Mowder Howe Celebration Garden on Sunday, November 12. Carla Canter and Bernie Bryson of North Valley Art League did a lot of the pruning and leaf raking, starting a little before CNPS arrived.

After a quick survey of vacant areas left from a sewer line replacement, Susan Gallaugher and her mother, Nikki, ran out to Shasta College and picked up a couple coyote brush (low form), ninebark, and a couple of others for us to plant. Meanwhile, Doug Mandel, Chris Gray, and David Ledger started pruning back overgrowth and raking leaves to prepare for planting. Susan supervised the rest of us doing the planting, which included a one-gallon California buckeye with four buckeye seeds around it, chicken wire on top to keep the squirrels from stealing the seeds. In one to three years, the tree with the best form can be saved and the rest cut.

We raked up all of the leaves but, by the time you read this, we will need another cleanup session. ♥ David Ledger

NEW RELEASE:
WILDFLOWERS OF THE TRINITY ALPS
Wildflowers of the Trinity Alps, Including the Marble Mountain Wilderness, Russian Wilderness, & Trinity Divide, by Ken DeCamp, Julie Kierstead Nelson, and Julie Knorr, features plants found within the premier wilderness areas of northwest California’s Klamath Mountains. This collection is representative of the most common, beautiful, and unique species in one of the most biodiverse temperate mountain ranges in the world. Included in this book you will find:

♥ 505 species, subspecies, and varieties of wildflowers
♥ Over 700 full-color images organized by flower color
♥ Localized, detailed species descriptions
♥ Destinations to find flowers throughout the year

Author and photographer Ken DeCamp will be speaking at our January 18 Chapter meeting, where the book will be available for purchase. (See Calendar, page 8.) ♥

RECOVERY
Of all the questions which can come before this nation, ...there is none which compares in importance with the central task of leaving this land even a better land for our descendants than it is for us...

- Theoreodore Roosevelt, 1910

Shasta County Smoke Wars ended a century ago this year. But the effects continue. Twenty years of open-air roasting and smelting metal ores had converted a hundred square miles, centered north of Keswick, into a barren wasteland. Indeed, harmful damage from hydrogen sulfide and sulfur dioxide extended south to Happy Valley.

Federal plans for local remediation of this ecological holocaust began during the Great Depression and extended to mitigation for Shasta Dam into the 1940s. Plants selected for restoration included native ponderosa pine and non-native Ailanthus, Himalayan blackberry, Spanish broom, and black locust.

Sixty years later, in 2004, the Allied Stream Team (AST) of Rotary Club of Redding began activity against a more recent invader dating to July 1968, Arundo donax. This work was expanded to other plants and eventually involved a large portion of the volunteer community. Most notably, in 2012, AST began working with fifty to sixty international students from Bethel Church.

Sixty-four Friday sessions later, several miles along the North and South Sacramento River trails, and within the Henderson, River Bend, Riverland, Lower Diestelhorst open spaces and other properties from Stress Ribbon Bridge to Anderson have had non-native plants treated and removed.

Some have questioned the use of permitted herbicides or the wisdom of challenging what seems a complete and permanent replacement of uncompetitive native flora. The purpose of this work, besides fire-danger abatement, access improvement, and general restoration, is to demonstrate the rich and healthy plant diversity once present. Proper stewardship should be available to help the public better understand the imperative of treating land with love and respect. ♥

-Randall R. Smith

A Warm Welcome to
Our Newest Chapter Members!
Gina Glenne, Ashland, Oregon
Amberlee Mahaffey, Portola
Sean Rowe, Eureka
Elena Suglia, Davis
CNPS 2018 Conservation Conference
Los Angeles Airport Marriott, February 1–3

The CNPS Conservation Conference is the largest conservation gathering in the state. This event, which takes place once every three years, is an important opportunity to bring together the best minds in the field to share research, gather inspiration, and collaborate on new ways to protect California’s precious natural resources.

This year, we expect more than 1,000 attendees, including consulting biologists, agency staff, researchers, students, conservationists, and environmental professionals. The conference will feature inspiring keynote speakers; two days of workshops and fieldtrips; more than 300 presenters across 24 sessions; a special student session; networking events; and art, poetry, music, and photography exhibits!

Registration is now open. For further information, please visit https://conference.cnps.org/

RESEARCH SCHOLARSHIP AVAILABLE

Northern California Botanists is now accepting applications for the Botany Research Scholarship Program for the 2018–2019 academic year. Northern California Botanists provides competitive botany and plant ecology research scholarships to undergraduate and graduate students attending accredited colleges and universities. Research scholarships consist of $1,000 awards, designed to support basic undergraduate and graduate research. Applications are due March 31. For further information, please visit http://www.norcalbotanists.org/scholarships.htm

CA Native Grasslands Association Events

The California Native Grasslands Association is offering the following workshops. For details about these events and registration information, please go to cnga.org


Siskiyou Field Institute Events

Below are two of the first 2018 classes that are being offered by the Siskiyou Field Institute, based out of Deer Creek Center in Selma, Oregon. For further information, please visit their website at thesfi.org, or contact the institute at 541/597-8530.


March 4. Raptors and Shorebirds of the Klamath Basin. Bud Widdowson; $60.

SNOW GOOSE FESTIVAL
Chico, CA, January 24–28

This action-packed, 5-day event celebrates the remarkable journey along the Pacific Flyway of millions of waterfowl and raptors that call the northern Sacramento Valley their home during the winter months. Choose from over 70 field trips and workshops that are sure to appeal to a wide variety of interests. Our workshops offer something for everyone! Free nature activities are offered for youth, as well as armchair adventures for all.

Our special guest and keynote speaker is Jon L. Dunn, chief consultant and author of all seven editions of the National Geographic Field Guide to the Birds of North America, and a birding tour leader for over 30 years.

For more information, visit our website or contact Jennifer Patten, Event Coordinator, at info@snowgoosefestival.org or 530/592-9092.

JEPSO HERBARIUM WEEKEND WORKSHOP

The Friends of the Jepson Herbarium is offering the following workshops. They require pre-registration and fees. Details on these workshops and other, wait-listed workshops can be found at ucjeps.berkeley.edu/workshops/ For further information, contact jepsonworkshops@berkeley.edu or 510/643-7008.

February 24–25. Introduction to California Lichens. (Location: UC Berkeley and SF Bay Area field sites.) Jesse Miller.

March 22–25. 50 Plant Families in the Field: San Francisco Bay Area. Linda Beidleman. (Location: UC Berkeley and SF Bay Area field sites.)
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>Feb. 10</td>
<td>Fieldtrip: BLM Cloverdale Trails. Starting across from the Horsetown-Clear Creek</td>
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<tr>
<td>Saturday</td>
<td>Preserve parking area, we will hike up the hill into the Cloverdale Trails. This</td>
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<td>walk will be approximately 3 miles and includes a beautiful overlook into the Clear</td>
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<td></td>
<td>Creek gorge. There’s a nice <em>Styrax</em> specimen on this loop, and we’ll see if we</td>
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<td>can identify it without its leaves. The loop is mostly south-facing, so we may see</td>
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<td>some evidence of early bloomers. Dogs OK on leash. Light rain OK; heavy rain</td>
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<td>cancels. Meet at California Street Parking Structure on the upper level, across</td>
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<td></td>
<td>from CalWorks, at 9:30 AM for carpooling. For more information, call John</td>
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<td>Springer at 530/917-0567.</td>
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<td>Feb. 15</td>
<td>Chapter Meeting. Naturally occurring plant communities that we are trying to</td>
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<td>Thursday</td>
<td>protect and enhance have, in a few cases, been killed due to diseases introduced</td>
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<td>from nursery-grown plants. Betty Young, with 35 years of experience in native</td>
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<td>plant nursery management, will present *Protecting Our Native Habitats from New</td>
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<td>Diseases*. She will discuss the impact of water-borne root rot pathogens on</td>
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<td>natural areas, the research into identifying the organisms, and their origins.</td>
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<td></td>
<td>Then, the exciting story of how CNPS and the restoration nurseries in California</td>
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<td>took the initiative in identifying how these organisms enter the nursery and how</td>
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<td>we can prevent infection by improving our facilities and growing practices. Meet</td>
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<td>in the Northern California United Way Conference Room at 2280 Benton Drive, Building</td>
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<td></td>
<td>B, Redding, at 7 PM. Doors open at 6:45 PM for pre-meeting botany, books, and plant</td>
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<td>ID! Please see article, page 1, for detailed directions to our new meeting place.</td>
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<tr>
<td>Feb. 24</td>
<td>Fieldtrip: Mt. Shasta Mine Loop Trail. This trail has a nice south face on a part</td>
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<td>Saturday</td>
<td>of it, so we should catch some early bloomers on this 4-mile loop trail. It goes</td>
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<td>through varied terrain starting in chaparral and quickly rising to open mixed</td>
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<td>conifers and oak woodland with a 540-foot elevation climb. This is a moderately</td>
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<td>difficult hike with uneven trails. The trail passes through an old burn area, which</td>
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<td>is always interesting as an example of secondary succession in vegetation</td>
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<td>recovery. We will also take a few short side trips to see old mining areas. Dogs</td>
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<td>on leash okay. Sprinkling: bring umbrella; rain cancels. Meet in the Placer Road</td>
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<td>Holiday Market parking lot near CVS at 9 AM. We will return about 1 PM. For more</td>
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<td>information, contact David Ledger at <a href="mailto:dledger@sbcglobal.net">dledger@sbcglobal.net</a> or 530/355-8542 (voice</td>
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<td>only, no texts).</td>
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**Events of Others**

**Jan. 7, Sunday.** Fern Cliff in Middle Bidwell Park. 10 AM. Meet at Centennial Avenue and Chico Canyon Road in Middle Bidwell Park, Chico. Mt. Lassen Chapter CNPS. Marjorie McNairn: 530/343-2397.


**Jan. 27 and Feb. 24, Saturdays.** Walk with the Horticulture Manager. 10:30 AM. Park fee. McConnell Arboretum and Botanical Gardens. 530/243-8850.


**CNPS Workshops and Professional Training**

The following workshop is offered by CNPS. Discounted registration fees are available to CNPS members. See cnps.org/workshops for a full description and registration information. Please contact Becky Reilly at breilly@cnps.org or 916/447-2677 ext. 207 for further information.

**March 1–3. Vegetation Mapping.** (Location: Redlands.) Julie Evens, John Menke, and Diana Hickson.

**FRUIT TREE PRUNING CLASSES**

Fruit tree planting and pruning season has arrived. International arborist, horticulturist, and Chief Arborist for the Fruit Tree Planting Foundation, Rico Montenegro, will be teaching fruit tree classes during the month of January. The classes will cover topics such as selection, planting, cultivation, and pruning methods. Classes are free and will be held at the following locations and dates:

- **Heart.** Orchard Nutrition: Saturday, January 13, from 10 to 11:30 AM, and Thursday, January 18, from 6 to 7:30 PM.
- **Heart.** McConnell Arboretum: Saturday, January 20, from 10 AM to noon.
- **Heart.** Shasta College: Saturday, January 27, from 10 AM to noon.

The annual fruit tree restoration class at Camden House, Whiskeytown National Park, will be Saturday, February 3, from 10 AM to noon. Bring your tools as this is a hands-on workshop.

To all of these, bring your questions, pen, and notepad. RSVP and direct questions and to me at ricosplants@hotmail.com or 530/515-7657. ☝️ -Rico Montenegro
**SHASTA CHAPTER CNPS CALENDAR**

<table>
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<tr>
<th>Date</th>
<th>Event Description</th>
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<tr>
<td>Jan. 1</td>
<td><strong>Fieldtrip: Westside Trail.</strong> This is our traditional New Year’s Day Westside Trail hike to start the New Year off right. It’s an easy to moderate 4.5-mile hike with a 600-foot elevation gain. This trail winds through typical foothill woodland–chaparral habitat that hosts a great variety of plants. Whiteleaf manzanita, common manzanita, and coyote brush should be in bloom. The trail has three pines: knobcone, ponderosa, and gray pine; and four oaks: interior live oak, blue oak, black oak, and oracle oak. Walk leader David Ledger will identify plants along the trail and all participants will receive a free list of plants found along the trail. Dogs on leash okay. Sprinkling: bring umbrella; rain cancels. Meet at 9:30 AM at the intersection of Mary Lake and Lakeside Drives. For more information, call David at 530/355-8542 (voice only, no texts) or e-mail him at <a href="mailto:dledger@sbcglobal.net">dledger@sbcglobal.net</a></td>
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<tr>
<td>Jan. 6</td>
<td><strong>Fieldtrip: Oak Bottom Water Ditch Trail and Ganim Mine Trail.</strong> We will stroll for about 2 hours along the south shore of Whiskeytown Lake, highlighting the folklore and biology of toyon. At a second stop, on the Ganim Mine Trail, we will visit another member of the rose family, a chamise specimen pointed out on last year’s hike. There will be a lot of dormant poison oak on this second trail, so dogs OK only if kept closely on leash. Park fee or pass required. Light rain OK; heavy rain cancels. Meet in the Placer Road Holiday Market parking lot near CVS at 9:30 AM for carpooling. For more information, call John Springer at 530/917-0567.</td>
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<tr>
<td>Jan. 11</td>
<td><strong>Board Meeting.</strong> Shasta Chapter Board members will meet at 5:30 PM at Round Table Pizza in Sunset Plaza, at 3633 Eureka Way, Redding, to conduct Chapter business. The general membership is always welcome to attend.</td>
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<tr>
<td>Jan. 18</td>
<td><strong>Chapter Meeting.</strong> Ken DeCamp was born to parents who loved the wilderness and took him on his first backpacking trips when he was less than a year old. Since then, he has logged thousands of trail miles in the Pacific Northwest, Alaska, the Carolinas, Georgia, and far-away places like Pakistan, Australia, and Switzerland. He has been drawing and photographing wildflowers for over 40 years and it is from this collection of images that the guide, <em>Wildflowers of the Trinity Alps, Including the Russian and Marble Mountain Wilderness Areas and the Trinity Divide</em>, has become a reality. He has always considered the mountains of northern California his home and has, for 60 years, explored their most difficult-to-reach places in search of wildflowers to photograph. He retired from the USDA Forest Service in 2008 after a 38-year career in Fire, Land Management Planning, and Public Affairs. Don’t miss this opportunity to see some of Ken’s spectacular photographs and pick up a copy of the book! Meet in the Northern California United Way Conference Room at 2280 Benton Drive, Building B, Redding, at 7 PM. Doors open at 6:45 PM for pre-meeting botany, books, and plant ID! Please see article, page 1, for detailed directions to our new meeting place.</td>
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<td>Jan. 20</td>
<td><strong>Fieldtrip: Trail 58.</strong> We will walk from the trailhead at Iron Mountain Road to Old Shasta and back, a total of 3.5 miles. The featured plant will be nested polypody (<em>Polypodium calirhiza</em>). We will also enjoy typical foothill woodland flora, with an understory of whiteleaf manzanita and toyon. Dogs OK on leash. Light rain OK; heavy rain cancels. Meet in the Placer Road Holiday Market parking lot near CVS at 9:30 AM for carpooling. For more information, call John Springer at 530/917-0567.</td>
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<td>Feb. 3</td>
<td><strong>Fieldtrip: Wintu Loop/Meiner’s Loop Trails, BLM Swasey Recreation Area.</strong> This 3- to 4-mile hike will include half of the Wintu Loop and half of the Meiner’s Loop, including the section at the top along a very sweet drainage. There should definitely be ferns on this trail, and since it is south facing, perhaps signs of spring. Dogs OK on leash. Light rain OK; heavy rain cancels. Meet in the Placer Road Holiday Market parking lot near CVS at 9:30 AM for carpooling. For more information, call John Springer at 530/917-0567.</td>
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<td>Feb. 8</td>
<td><strong>Board Meeting.</strong> Shasta Chapter Board members will meet at 5:30 PM at Round Table Pizza in Sunset Plaza, at 3633 Eureka Way, Redding, to conduct Chapter business. The general membership is always welcome to attend.</td>
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*Calendar continued on page 7.*