



The New Year...

"The New Year, the New Year. Everywhere the New Year!...Its life [is] parceled out in almanacks and pocket-books; the coming of its moons, and stars, and tides, [is] known beforehand to the moment; all the working of its seasons in their days and nights [are] calculated..."* Find in this edition a schedule of field trips for the year, a glimpse of the future in the new Jepson Manual, garden hints to start the year well, speakers to inspire, and a welcome to our new board members Mike and Cathy Field, Rob Moore, and Ron Vanderhoff. We're off to a good start!

*Apologies to Charles Dickens—*The Chimes*

Farewell to Tara Hansen

On November 18, 2011, Tara Hansen announced her resignation as Executive Director of the California Native Plant Society. Tara will continue to work through the 2012 Conservation Conference in San Diego and follow up. Her last day with CNPS will be February 10, 2012.

During her three-year tenure with CNPS, Tara upgraded and overhauled all of our systems from the web pages to new membership and donor tracking software. Her thorough research and thoughtful implementation of these new systems has helped streamline many duties in the central office. Tara worked very closely with the CNPS programs and committees; during her tenure a new Rare Plants database was launched, the Vegetation program continued its strong work throughout the state, and the Conservation Program launched a new program director and revitalized its program. Tara's accomplishments are too numerous to mention here, and mostly happened behind the scenes and with little fanfare. She has served our society faithfully and will be missed.

The state Board of Directors has formed two committees to work through this transition and hire a new Executive Director. The Transition Team will make sure everything stays on track, and to that end has hired Susan Britting as interim Executive Director. The Recruitment Team will be tasked with reviewing the role of the Executive Director, preparing and distributing a job description and announcement, and screening initial applicants. The entire state Board and others including state staff will participate in the final selection of a permanent replacement.

GET PAID TO REMOVE YOUR LAWN!

The Municipal Water District of Orange County, the Metropolitan Water District of Southern California and 20 OC retail water providers are partnering on a Turf Removal Program. Through this Program, residential and small commercial customers of the water providers are eligible to receive an incentive of \$1.00 per square foot of turf removed for qualifying projects. The goals of this program are to increase water use efficiency within Orange County, reduce runoff, and evaluate the effectiveness of water-saving practices. See details at mwdoc.com/services/turf-removal.

THE CONSERVATION REPORT

Two of the several OC Conservation issues that are continuing in the new year: WEST COYOTE HILLS: See coyotehills.org for background and details on this decade-long campaign to preserve 510 acres as a public natural open space in park-poor northern OC.

Most recently: In July 2011, the Fullerton City Council approved the current Development Plan. The Friends of Coyote Hills promptly fielded 100+ signature-gatherers for a four-part referendum calling for un-approval. The referendum was qualified by mid-August with signatures to spare. The Council then rescinded their July approval and set a November 2012 election on whether or not Fullerton citizens support the Council's approval.

ACTION NOW: See coyotehills.org for how you can help keep this land as much-needed natural open space, especially if you live in or near Fullerton. It's important that this issue not get lost amid the welter of issues accreting around this year's general election.

NEWPORT BANNING RANCH AND SUNSET RIDGE PARK: See banningranchconservancy.org for background and details on this long campaign to preserve 400+ acres of open space as an element in the Santa Ana River Park. Most recently:

1. When it became obvious, late in last November's Coastal Commission hearing, that the Sunset Ridge Park project (located next to Banning Ranch) faced certain defeat due to its controversial developer-supported entrance road, the City of Newport Beach withdrew its application. (Withdrawing a Coastal Development Permit application before a Commission vote on a project allows the proponent to re-apply soon; otherwise they are required to wait a year.) The City has suggested that it will submit a redesign of the Park project that does not include the access road as proposed in the original application. This is a blow to the current Banning Ranch project, as the proposed road would have also been an entrance to the proposed development.

2. The City of Newport Beach Planning Commission plans to hold study sessions in January and February on the Banning Ranch project. The sessions are intended for the Planning Commissioners to evaluate the proposed project. This will give the public an opportunity to bring forth information that was lacking in the DEIR. Public comments at the study sessions--and at hearings to follow in April--will be part of the official administrative record.

It is important to keep in mind that the City of Newport Beach General Plan makes a priority of preserving Banning Ranch as open space and that the option of development can only be considered if preservation is not possible. The Banning Ranch Conservancy intends to remind the Planning Commissioners of this General Plan priority. The Conservancy believes that preservation IS possible, and that the availability of Measure M funds increases its likelihood.

ACTION NOW: Monitor banningranchconservancy.org for the latest on the Planning Commission hearings, especially if you live in the Newport Beach area. If you can supply pertinent information, please get it to the Commission by letter if not in person at the hearings.

—Celia Kutcher, Conservation Chair

Native Gardener's Corner-Member's Tips, Tricks, and Techniques

This column is a regular newsletter feature offering chapter members and local experts a chance to briefly share information on many things related to gardening with natives. This Issue's question was "What is your favorite Winter blooming native plant?" Answers are listed in the order received.

Laura Camp- "Manzanitas are great in winter and the hummingbird action will take your breath away.

Recommendation: place your manzanitas in a visible part of your yard that you use in the winter, for example the front yard.

Three of mine are in my cold, north-facing backyard and no one sees them in their best bloom."

Bart O'Brien- "My favorite (that isn't a manzanita, as there are so many good ones of those) is undoubtedly *Ribes malvaceum* 'Dancing Tassels'. The up to foot-long clusters of light-pink flowers are always showy (as are the following black fruits), bloom over the course of two to three months, and attract hummingbirds. Nice bark and that unusual foliage scent are added bonuses. The plants grow fast, too.

Bob Allen- "With its profusion of flowers that attract native bees, butterflies, and hummingbirds, the hands-down winner is *Arctostaphylos glauca*, Big-berry Manzanita."

Dick Newell- "Locally Fuchsia-Flowering Gooseberry begins to bloom in December and its nodal spines reminds one to look but don't touch."

Charles Wright- "In the dead of winter the first great bloom has to be milk maids, California Milkwort, California Toothwort *Cardamine californica*. I almost always find it in Laguna Coast Wilderness along the shady banks on the Laurel trail not too far beyond the falls. It is stark white against a rich brown earth

surrounded by new fresh ferns."

Rama Nayeri- "mmmmm...Manzanitas! Too many to list."

Rob Moore- "My current favorite—no pun intended—would probably be *Ribes malvaceum*. I love the abundant pink flower clusters and the aromatic scent of the plant. *Eriogonum fasciculatum* is blooming away at present in my backyard as is the *Salvia* 'Skylark' out front with its whirled lilac spirals. Life is good in the garden!"

Jennifer Beatty- "Manzanitas are always gorgeous. Island bush poppy (*Dendromecon harfordii*) and California sunflower (*Encelia californica*) keep on blooming yellow flowers for months."

Dan Songster- "Whatever its common name, I find the emergence of blue dicks, (wild hyacinth or school bells)—*Dichelostemma pulchra* in December and January to be particularly lovely. Lying dormant for the summer and fall months, it is easy to forget about these charming and easy to grow bulbs until they pop up. There are especially beautiful with their clusters of amethyst colored flowers nodding on graceful stalks among some of our small to mid-sized native grasses."

Thanks to all who responded! Next issue's question: "What native plant do you enjoy and recommend for use in a container?"

Email your responses to Dan Songster at songster@cox.net.

Please remember to keep replies brief so we can include most of the responses!

GARDEN TOUR 2012

If you have a garden and it's planted mostly in California native plants, consider entering it in our annual garden tour. We're looking for gardens all over the county; if there are enough, we may consider expanding the tour to two days. Of particular interest are gardens that have replaced front lawns as homeowners are increasingly interested in getting rid of water-thirsty turf. We'd like to offer plenty of examples of how our California native plants can be a good solution to that problem. Contact any one of us: the **2012 Garden Tour Committee**—Sarah Jayne (sbjayne@cox.net), Dori Ito (dito@socal.rr.com), and Rob Moore (robmoore@dslextreme.com)

CNPS CONSERVATION—PUBLIC DAY

FREE events, Saturday, January 14—Town and Country Resort Hotel, San Diego

Students, CNPS members, all interested in California native plants or the environment will find something of interest at the CNPS Conservation Conference. Don't miss this opportunity to be a part of this fantastic conference with exhibitors, posters and speakers galore. Take advantage of the nearby location of this conference in our neighboring county.

Four sessions of the scientific conference will be open to the public for no charge from 8am to 11:40am: 1. Tribal Conservation and Traditional Use of Native Plants, 2. Horticulture: Part of Conservation is Growing, 3. The Vital Role of Education in the future of Conservation, 4. Student Session: thirteen 20-minute talks by university students.

Five concurrent tracks special to the public from 10am to 3pm with many outstanding speakers and topics: 1. Native Plant Gardening, including speaker Mike Evans, 2. Nature and Children, including speaker John Muir Laws, 3. Children's Gardens, 4. Native Peoples, 5. Local Projects and Topics. See detailed schedule and further details of Free Events at http://www.cnps.org/cnps/conservation/conference/2012/public_day.php (Make sure to scroll down below the chart, too!)

Directions to Town and Country Resort Hotel, 500 HOTEL CIRCLE NORTH, SAN DIEGO, CALIFORNIA 92108

Interstate 5 North or South: Exit onto Interstate 8 East (El Centro) and exit 2nd Hotel Circle exit, turn left continuing under the overpass.

The Conference Center location is on the far east end of the resort...close to the Union Tribune building, so look for parking in that area. Register (for free) at the CNPS Registration table, and obtain your CNPS name badge. Parking charge is discounted to \$5.00 with a CNPS name badge (\$14.00 without).

MEMBERSHIP CORNER

We have a lot of new members to welcome: Shawna Adam, Kathleen Andrews, Christian Brennan and Juan Perez, Mary Class, Lisa Coyte, Timothy Dowell, John Flemming, Margaret Floyd-Evans, James Foster, Mary Greer, Lars Higdon, Marcus Hill, Trude Hurd, Diana Jolles, Cheryl Kepler, Linette Lina, Mia Maltz, Darlene and Jeff Olympius, Diana Pardee, Kyle Poe, Linda Renee, James Riley, Pat Slator, Kim Stanick, Matthew Sutton, Stephen Titus, Carolyn Vance, Elizabeth Wallace, Karen Wilson, Sandra Woodruff, Chiyo Yamashiro and Irene Yoshioka. Whew, that is a big class!

Our membership stands at 361 members for our chapter, and about 9,000 statewide. 73 new members have joined us (so far) in 2011. New members are very welcome, but we also greatly value our continuing members who support us year after year. Memberships support the core programs of CNPS and are the pillar upon which all of our work is based. Thank you, and Happy New Year. We look forward to your participation in our programs in 2012.

—Laura Camp and Sarah Jayne, Membership Chairs

A GLIMPSE OF THINGS TO COME: CHANGES IN ORANGE COUNTY ASTERACEAE

The 2nd Edition of the Jepson Manual will be available in early January. Thanks to the Jepson Project Authors website, we had a fairly clear idea what name changes we can anticipate. There have been a LOT of changes since the first edition was published in 1993. Many are a bit disconcerting, others anticipated. The following list will give members a taste of what they can expect when they open the new book. Starting right at the top, Asteraceae is now considered a Eudicot family, the Dicots having been realigned and broken-up. A number of exotic species found in Jepson 1 will not be included in Jepson 2, these species are largely waifs and do appear in the online version. This was largely done to save on printed space. In a number of cases, the species are actually fairly well established in southern California and probably should have been included in the final printed version. I have not judged or qualified these names; I am only presenting them as they are to appear in the new Manual. Names with [VPOC] following have already been adopted in or added to my *The Vascular Plants of Orange County, an annotated checklist* (2008) so owners of that book are already familiar with many changes. Bob Allen will generally follow Jepson 2 for the forth-coming Orange County wildflower book. Further information can be found at <http://ucjeps.berkeley.edu/IJM.html>.

ASTERACEAE – SUNFLOWER FAMILY

- Agoseris grandiflora* (Nutt.) E. Greene. SCAL plants now **A.g.** var. **grandiflora**. *A.g.* var. *leptophylla* newly described to north [VPOC].
Agoseris heterophylla (Nutt.) Greene split: **A.g.** var. **cryptopleura** Greene (WTR) and *A.g.* var. *heterophylla* (Orange Co. and the rest of SCAL) [VPOC].
Ambrosia trifida L. DELETED; see online treatment. Keil considers this species a waif, mostly originating from bird seed, and not long-persisting.
Arctotheca prostrata (Salisb.) Britten NEW ADDITION TO SCAL [VPOC].
Arctotis stoechadifolia P. Bergius = **A. venusta** Norl. The name *A. stoechadifolia*, misappl. [VPOC].
Aster bernardinus H.M. Hall = **Symphytotricum defoliatum** (Parish) G.L. Nesom
Aster chilense Nees = **Symphytotricum c.** (Nees) G.L. Nesom
Aster lanceolatus Willd. subsp. *hesperius* (A. Gray) Semple & J. Chmielewski = **Symphytotricum l.** (Willd.) G.L. Nesom var. **hesperium** (A. Gray) G.L. Nesom
Aster radulinus A. Gray = **Eurybia radulina** (A. Gray) G.L. Nesom. Note, Jeps 2 still does not include PR collections.
Aster subulatus Michaux var. *ligulatus* Shinn. = **Symphytotricum subulatum** (Michx.) G.L. Nesom var. **parviflorum** (Nees) S.D. Sunb.
Baccharis douglasii DC. = **B. glutinosa** Pers. Misapl. by N. Am. Botanist to *B. salicifolia*.
Baccharis emoryi A. Gray = **B. salicina** Torr. & A. Gray [VPOC].
Baccharis malibuesnis R.M. Beuach. & Henrickson. NEW ADDITION TO SCAL [VPOC].
Baccharis pilularis DC. SCAL plants again recognized as **B.p.** subsp. **consanguinea** (DC.) C.B. Wolf. It is only a matter of time that the widely planted northern *B.p.* subsp. *pilularis* enters the wild or forms hybrids with local plants [VPOC].
Baccharis salicifolia (Ruiz & Pav.) Pers. Our plants now **B.s.** subsp. **salicifolia**.
Carthamus baeticus (Boiss. & Reuter) Nyman = **C. creticus** L.
Carthamus tinctorius L. DELETED; see online treatment. Keil & Turner considers this species a waif from cultivation [in VPOC].
Centaurea maculosa Lam. = **C. stoebe** L. subsp. **micranthos** (Gulger) Hayek [VPOC].
Chamomilla occidentalis (Greene) Rydb. = **Matricaria o.** Greene [VPOC].
Chamomilla suaveolens (Pursh) Rydb. = **Matricaria discoidea** DC. [VPOC].
Chrysanthemum coronarium L. = **Glebionis coronaria** (L.) Spach
Chrysothamnus nauseosus (Pallas) Britton subsp. *consimilis* (Greene) H.M. Hall & Clements = **Ericameria nauseosa** var. **oreophila** (A. Nelson) G.L. Nesom & G.I. Baird [VPOC].
Cnicus benedictus L. = **Centaurea benedicta** (L.) L. [VPOC].
Conyza bonariensis (L.) Cronq. = **Erigeron b.** L.
Conyza canadensis (L.) Cronq. = **Erigeron c.** L.
Conyza coulteri A. Gray = **Laennecia c.** (A. Gray) G.L. Nesom
Conyza floribundus Kunth. = **Erigeron sumatrensis** Retz.
Coreopsis californica (Nutt.) H. Sharsm. = **Leptosyne c.** Nutt.
Coreopsis gigantea (Kellogg) H.M. Hall = **Leptosyne g.** Kellogg
Cynara cardunculus L. = **C.c.** subsp. **flavescens** Wiklund [VPOC].
Encelia farinosa Torr. & A. Gray, author change, **E. farinosa** Torr.
Encelia farinosa x *Encelia frutescens* (A. Gray) A. Gray DELETED; see online treatment. Hybrids evidently not included to save space [in VPOC].
Filago arizonica A. Gray = **Logfia a.** (A. Gray) Houbr.
Filago californica Nutt. = **Logfia filaginoides** (Hook. & Arn.) Morefield
Filago gallica L. = **Logfia g.** (L.) Coss. & Germ.
Gamochaeta pensylvanica (Willd.) Cabrera. NEW ADDITION TO THE SCAL FLORA [VPOC].
Gnaphalium bicolor Bioletti = = **Pseudognaphalium biolettii** Anderb. [VPOC].
Gnaphalium californicum DC. = = **Pseudognaphalium c.** (DC.) Anderb. [VPOC].
Gnaphalium canescens DC. subsp. *beneolens* (Davidson) Stebb. & Keil = **Pseudognaphalium b.** (Davidson) Anderb. [VPOC].
Gnaphalium canescens subsp. *canescens* = = **Pseudognaphalium c.** (DC.) Anderb. [VPOC].
Gnaphalium canescens subsp. *microcephalum* (Nutt.) Stebb. & Keil = **Pseudognaphalium microcephalum** (Nutt.) Anderb. [VPOC under *P. canescens*].
Gnaphalium leucocephalum A. Gray = **Pseudognaphalium l.** (A. Gray) Anderb. [VPOC].
Gnaphalium luteo-album L. = = **Pseudognaphalium luteoalbum** (L.) Hilliard & B.L. Burt. [VPOC].
Gnaphalium purpureum L. = **Gamochaeta pensylvanica** (Willd.) Cabrera in part. [VPOC].
Gnaphalium ramosissimum Nutt. = = **Pseudognaphalium r.** (Nutt.) Anderb. [VPOC].
Gnaphalium stramineum Kunth = = **Pseudognaphalium s.** (Kunth) Anderb. [VPOC].
Grindelia camporum Greene var. *bracteosum* (J. Howell) M.A. Lane, not recognized as distinct from *G. camporum*. *Grindelia camporum* var. *camporum* would just be *G. camporum*.
Hemizonia fasciculata (DC.) Torrey & A. Gray = **Deinandra f.** (DC) Greene [VPOC].
Hemizonia kelloggii Greene = **Deinandra k.** (Greene) Greene [VPOC].
Hemizonia paniculata A. Gray = **Deinandra paniculata** (A. Gray) Davidson & Moxley [VPOC].
Hemizonia parryi Greene subsp. *australis* Keck = **Centromadia parryi** (Greene) Greene subsp. **a.** (D.D. Keck) B.G. Baldwin [VPOC].
Hemizonia pungens (Hook. & Arn.) Torr. & A. Gray subsp. *pungens* = **Centromadia p.** (Hook. & Arn.) Greene subsp. **pungens** [VPOC].

Heterotheca psammophila B. Wagenkin = *H. subaxillaris* (Lam.) Britton & Rusby subsp. *latifolia* (Buckley) Semple

Lagomorpha ramosissima Nutt. No subspecies recognized [*L. r.* subsp. *ramosissima* previously in sCal.] [VPOC].

Lasthenia californica Lindl. subsp. *californica*. Circumscription revised, many plants previously treated as *L. californica* would now be *L. gracilis* (DC.) Greene [VPOC].

Lessengia filaginifolia (Hook. & Arn.) M.A. Lane var. *filaginifolia* = *Corethrogyne filaginifolia* (Hook. & Arn.) Nutt. [VPOC but with varieties still listed].

Madia elegans D. Don subsp. *elegans*. No subtaxa recognized for this species.

Oncosiphon piluliferum (L.f.) Kallersjo NEW ADDITION TO THE SCAL FLORA [VPOC].

Osterospermum ecklonis (DC.) Norl. = *Dimorphotheca e.* DC.

Pentachaeta aurea Nutt. subsp. *allenii* D.J. Keil NEW ADDITION TO THE SCAL FLORA [VPOC].

Picris echioides L. = *Helminthotheca e.* (L.) Holub

Plecostachys serpyllifolia (P.J. Bergius) Hilliard & B.L. Burt NEW ADDITION TO THE SCAL FLORA [Not in VPOC].

Pluchia odorata (L.) Cass. Our plants = *P.o.* var. *odorata*. Other var. on east coast of N. Amer. [VPOC].

Porophyllum ruderale (Jacq.) Cass. var. *macrocephalum* (DC.) Cronquist. A recent addition to SCAL flora. Not in Jepson 1 or 2. Presumably excluded as considered an agricultural weed and not clearly established in the flora [VPOC]. See online treatment.

Senecio linearifolius A. Rich. var. *linearifolius* NEW ADDITION TO THE SCAL FLORA [VPOC].

Senecio mikanioides Walp. = *Delairea odorata* Lem. [VPOC].

Solidago californica Nutt. = *S. velutina* subsp. *californica* (Nutt.) Semple [VPOC].

Viguiera laciniata A. Gray = *Bahiopsis l.* (A. Gray) E.E. Schill & Panero

Viguiera parishii (E. Greene) = *Bahiopsis p.* (Greene) E.E. Schill & Panero

JEPSON FLORA NOW ONLINE: You can see the text of the flora right now. A revised version was released in November and can be found at new site: <http://ucjeps.berkeley.edu/IJM.html>. This link leads us to the official "e-flora" modeled after the Flora North America e-flora site. It is the keys and text that will appear in the new Jepson Manual. No illustrations appear online but they do have maps linked to the Consortium of California Herbariums (Consortium).

The whole arrangement is quite different then the Jepson author site that has been available for review for years and for those of us who used that site a great deal, it will take some getting used to. The opening page is similar, a two-column list with families on the left and genera on the right. You can click on the family or one of the genera. Either one will give you the general family text.

In the review version, you could scroll down and see the entire contents of the family. The new one is more oriented toward individual species. Say you are interested in the genus *Lotus*. In the new version, you would find Fabaceae and click on *Lotus*. Up pops a general discussion of the family and the genus *Lotus*. In order to see the species, click on KEY TO THE LOTUS. This brings up a key and if you click on a species, the account appears. You can also get to the genus from the family page by clicking on the genus. Bring up *Lotus corniculatus* and you will now have the family and genus description in addition to the account for *L. corniculatus*. Text in blue appears only on the online treatment and is not be in the printed book. There is a link back to the Lotus key as well as a link to the next taxon (*L. tenuis*) and the previous taxon (*L. angustissimus*) as they will appear in the book.

Scroll down the page and there will be two maps. The one on the left includes all the regions the plant is found and the one on the right a map depicting specimen collections from the Consortium with a red overlay representing upper and lower elevation limits. Of course nothing is perfect, in this example, there seems to be quite a few dots outside the red area.

So wait, there are only four species of *Lotus* and only one even seems familiar. What happened to the others? Take a look at the genus description again. The last sentence in black print tells us "Other taxa in TJM (1993) moved to *Acmispon* and *Hosackia*". Oh, by the way, *Lotus* was another group that seems to have had a hand grenade dropped into the middle of it.

Hosackia and *Acmispon* are resurrected genera. Abrams *Illustrated Flora of the Pacific States*, for example, treated members we have come to know as *Lotus* were in *Hosackia* when the book was published in 1944. *Acmispon* was originally proposed in 1832 by Rafinesque but only contained a single species. These genera are now recognized in part because broad morphological studies suggest *Lotus* must be expanded to include genera now currently recognized as distinct, or that *Lotus* in the broad sense has to be broken up. Our Orange County list now looks like this:

Lotus argophyllus var. *argophyllus* = *Acmispon a.* var. *argophyllus*

Lotus corniculatus. Unchanged.

Lotus crassifolius var. *crassifolius* = *Hosackia crassifolia* var. *crassifolia*

Lotus hamatus = *Acmispon micranthus*

Lotus heermannii var. *heermannii* = *Acmispon h.* var. *heermannii*

Lotus heermannii var. *obicularis* = *Acmispon h.* var. *obicularis*

Lotus humistratus = *Acmispon brachycarpus*

Lotus micranthus = *Acmispon parviflorus*

Lotus purshianus = *Acmispon americanus* var. *americanus*

Lotus rigidus = *Acmispon rigida*

Lotus salsuginosus var. *salsuginosus* = *Acmispon maritimus* var. *maritimus*

Lotus scoparius var. *brevialatus* = *Acmispon glaber* var. *brevialatus*

Lotus scoparius var. *scoparius* = *Acmispon glaber* var. *glaber*

Lotus strigosus = *Acmispon stigosis*

Lotus wrangelianus = *Acmispon wrangelianus*

You almost couldn't make a familiar group look as unfamiliar as it will in the new book. Not only have all but one species been moved to unfamiliar genera, 6 of 12 species have new specific epithets (species names), an unusually high number even for the Jepson Manual. It is going to take a while to get used to calling *Lotus scoparius* as *Acmispon glaber*. Somehow I think Rafinesque would be proud.

—Fred Roberts, Rare Plant Botanist

Chapter Meetings

Unless otherwise noted, chapter meetings are held on the **third Thursday** of the month at the **Duck Club** in Irvine. The **doors open at 6:45 PM** for food, fellowship, interest centers, and more. The **program begins at 7:30 PM**.

January 19— UCI Campus and Marsh Restoration

Speaker: Dr. Peter Bowler

Restoration of degraded lands back to a landscape capable of sustaining the plants and animals that form a balance is a fascinating topic, even more so when one person has been involved in these challenging projects from start to finish. Join us as Dr Peter Bowler from UC Irvine gives a virtual tour of many of the University's restoration efforts and mitigation projects. Whether on Campus or on the adjacent UC Natural Reserve System's San Joaquin Marsh Reserve there have been many accomplishments dating from the early 1990's we can see and several current projects to examine.

Dr. Peter Bowler is a faculty member in the Department of Ecology and Evolutionary Biology, and he is the Director of UCI's Arboretum and the Faculty Manager of the UC Natural Reserve System's San Joaquin Marsh Reserve. He has conducted research and implemented restoration efforts at UCI for over two decades and teaches Restoration Ecology, Limnology and Freshwater Biology, Mediterranean Ecosystems, Horticulture, and Field Freshwater Ecology, among other courses. In his over 33 years at UCI, he has overseen the creation of 55 acres of wetland, six vernal pools, and over a dozen acres of coastal sage scrub habitat on the campus.

Note: Dr. Bowler will discuss some such efforts as the transplanting prickly pear cacti for coastal cactus wren habitat enhancement and creating a string of pearls (cactus patches) for line of sight connection for wren movement and colonization between Back Bay and Turtle Rock populations. The current sage scrub restoration on 6 acres of the Preserve through Mitigation Measure 2 funds. The 2009 removal of 3,100 lineal feet of un-needed roads and dikes in the Marsh which created three acres of new wetland and an additional three acres of riparian woodland along the Marsh periphery. The history of the creation of 55 acres of wetland in the Marsh through several restoration projects, creating six vernal pools on Campus, and the development of over a dozen acres of coastal sage scrub habitat on the campus will also be briefly reviewed.

February 16 Botanical Explorations At Broadwell Dry Lake, Mojave Desert

Speaker: Fred Roberts

Desert Solar Power is the new gold rush in California. Already, eleven projects covering nearly 60 square miles have been approved. Many more are on the way. In 2009, the Sleeping Beauty Valley, east of Barstow, California, was the location of a proposed solar power plant project that included 5,100 acres just to the west of Broadwell Dry Lake. Fred had the opportunity to join a team of 45 botanists that spread over the valley searching for rare plants and recording the floristic diversity. Circumstances were ideal with a large number of experienced experts, a spectacular landscape, and one of the places in the Mojave Desert of 2009 with adequate rainfall for a real wildflower showing. There was the unexpected benefit for the surveyors who came to truly appreciate Broadwell Valley, that the project was withdrawn over controversy involving BLM and Wildlands Conservancy, which had originally donated the land to BLM for conservation.

Join the speaker tonight as he offers a tour of the wildflowers and landscapes near Broadwell Dry Lake. Among the discoveries made, was California's northern most population of the rare crucifixion thorn (*Castella emoryii*). Along the way, you will get a taste of what it is like to participate in a desert solar project survey, learn something of the industry, and the fragile desert ecosystem where this energy gold rush is taking place.

Fred Roberts, author of *Vascular Plants of Orange County, California, An annotated Checklist* (2008) and co-author of Bob Allen's soon to be published *Wildflowers of the Santa Ana Mountains. and adjacent regions*, has been working with native plants since high school. He was the assistant curator of the Herbarium at the Museum of Systematic Biology at U.C. Irvine for nine years, worked as a botanist with the U.S. Fish and Wildlife Service primarily adding species to the endangered species list, and has spent the last 12 years as an independent consultant. In addition to several books, he is an artist and photographer. His specialty is oaks, lilies and their relatives, and rare plants of southern California. Thanks to the Broadwell survey experience, he has expanded his interests to the California deserts as well.

CALENDAR

Jan 5	Board Meeting
Jan 10 – 14	CNPS Conf. in San Diego
Jan 19	Chapter Meeting
Feb 2	Board Meeting
Feb 16	Chapter Meeting
Feb 26	Year's First Field Trip
Mar 1	Board Meeting
Mar 15	Chapter Meeting
Mar 18	Field Trip

Directions to the Duck Club:

The Duck Club is located in the San Joaquin Wildlife Sanctuary next to the IRWD water treatment facility. Access via Riparian View off Michelson is closed. The new entrance is off **Campus Drive**. To get there:

From Jamboree, go south on Michelson. Pass the old entrance and continue to Harvard. Turn **right** on Harvard. At University Drive turn **right** again. At Campus, turn **right** and stay in the **far right lane**, which leads to the **right turn** to the Duck Club.

From Culver, pass Michelson and continue on to University. Turn **right** and continue to Campus Drive. Here's the tricky part: When leaving, it's **right turn only** onto Campus. Take Campus directly north to Jamboree for access to the 405. Or turn right on Carlson to Michelson for an easy return to Culver and vicinity. See our website

Daybreak Desert Vision

Late Winter at Ocotillo Wells

sunrise and dark clouds
a rainbow stands on Font's
Point
its right leg missing

enough slanted light
to warm my back—too little
to loosen poppies

fine ocotillo
spiny-armed against the wind
wave fire blossoms

fields of gleaming coins
shine for miles—desert gold
blooms up to its name

who is this beauty—
translucent pink globe—and
what
is hidden inside—

lizard's skitter dance
choreographed in the sand
will call down more rain

—Thea Gavin

Contact Information and Teams

CNPS Membership Application

Category	Annual Fee
<input type="checkbox"/> Student/Limited Income.....	\$25
<input type="checkbox"/> Individual.....	\$45
<input type="checkbox"/> Family.....	\$75
<input type="checkbox"/> Plant Lover.....	\$100
<input type="checkbox"/> Patron.....	\$300
<input type="checkbox"/> Benefactor.....	\$600
<input type="checkbox"/> Mariposa Lily.....	\$1500

Organizations, please go to CNPS.ORG

Affiliate with the **Orange County Chapter**, which will receive a portion of the dues. Dues and gifts to CNPS are tax deductible. The journal *Fremontia*, the CNPS Bulletin, and the chapter newsletter are included in the cost of membership.

Make check payable to CNPS and mail to:

California Native Plant Society
2707 K Street, Suite 1
Sacramento, CA 95816

OR join online: go to www.cnps.org click on **Join CNPS**

Name _____

Address _____

City/State/Zip _____

Phone/E-Mail _____

Officers (2011 – 2012)

President	Brad Jenkins	714 730-6023	bradjenkins@yahoo.com
Vice President	Laura Camp	949 370-3033	laurac@treeoflifenuresery.com
Secretary	Nancy Heuler	949 559-1757	nheuler@cox.net
Treasurer	Jennifer Mabley	949 855-2112	jenpod@gmail.com

Board 2012-2014:

Sarah Jayne	949 552-0691	sbjayne@cox.net
Rob Moore		robmoore@dslextreme.com
Richard Schilk	714 351-7688	birdguy@naturalista.net
Dan Songster	949 768-0431	songster@cox.net
Ron Vanderhoff		

Board 2011-2012:

Celia Kutcher	949 496-9689	celia552@cox.net
Cathie Field		micafield@cox.net
Mike Field		micafield@cox.net

Membership Team:

Team Lead: Laura Camp
Volunteer Coordinator: Diane Wollenberg
Outreach Coordinator: Jennifer Mabley
Hospitality: Sarah Jayne
Greeting: Dori Ito, Jennifer Beatty
Volunteer Recognition: Dan Songster
Programs: Dan Songster
Audio-Visual: Bob Allen, Rich Schilk, Dan Songster

Horticulture Team (Grow Native OC):

Team Lead: Dan Songster
Plant Sale: Dan Songster
Garden Tour: Sarah Jayne, Rob Moore

Plant Science Team (Research OC):

Team Lead: Bob Allen
Rare Plants: Dave Bramlet, Fred Roberts
Interest Center: Bob Allen, Rich Schilk

Conservation Team (Protect OC):

Team Lead: Celia Kutcher
Invasive Plants: Bill Neill

Explore Team (Explore OC):

Team Lead: Brad Jenkins
Field Trips: Ron Vanderhoff
Field Trip Logistics: Rich Schilk

Communications Team:

Team Lead: Nancy Heuler
Publicity: Nancy Heuler
Newsletter: Sarah Jayne
eNews: Laura Camp
Publications: Rich Schilk
Website: Rich Schilk

Education Team:

Team Lead: Sarah Jayne
Educational Grants: Sarah Jayne
School Gardens: Sarah Jayne



occnps.org

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January/February 2012

FIRST CLASS MAIL