



CALIFORNIA NATIVE PLANT SOCIETY  
*San Diego Chapter Newsletter*

**CHAPTER MEETING**  
**Tuesday, November 15; 7 p.m.**  
**Room 104, Casa del Prado**  
**Balboa Park**

**Adventures with the Popcorn Flowers:**  
***Cryptantha* (Boraginaceae)**  
**by Dr. Michael Simpson**

Dr. Simpson will present the results of recent studies summarizing aspects of taxonomy and phylogenetic relationships of the genus *Cryptantha* and close relatives. The methodology, evidence, and rationale for splitting the genus into five separate genera, all named by previous workers decades ago, will be explained. Current studies and some preliminary results with regard to species and intraspecies definition, including some recent discoveries, will be presented.

Michael Simpson, PhD (Duke University), is a Professor of Biology at San Diego State University. His expertise is plant systematics, including phylogenetic relationships of flowering plants, taxonomy related to species and infraspecies delimitation, and floristic studies.

Chapter meetings are free and open to the public. They are held the 3<sup>rd</sup> Tuesday of each month, except August, in the Casa del Prado Room 104, just west of the San Diego Natural History Museum in Balboa Park.

**6:30 Natives for Novices:** Pre-meeting presentation on Irrigating Native Landscapes by Greg Rubin.

**7:00 p.m.** – refreshments, book browsing, socializing.

**7:30 p.m.** – presentation.

## PREZ SEZ

My deep, wide, and heartfelt thanks to all the volunteers whose combined efforts made our annual plant sale a huge success, both financially and educationally. I am especially grateful to **Carolyn Martus**, whose leadership of the Fall Plant Sale Committee is so level-headed and dependable. Our chapter will once again have funds to support activities we hope to carry out in the upcoming year to increase understanding, appreciation, and conservation of our native flora.

~ Kay Stewart

## BOARD OF DIRECTORS

**Wednesday, November 2, 6:30 - 8:30 p.m.**, monthly CNPS San Diego Chapter board meeting to be held at 4010 Morena Blvd, Suite 100, San Diego (Thomas Guide 1248 C4). Exit I-5 to Balboa Dr. east and turn north on Morena Drive. Proceed 1/2 mile and make a u-turn at the Avati Street signal and turn into the driveway for 4010. Drive to the parking lot on the west side (away from Morena). Members are welcome to attend as observers. If you want to discuss an issue, please ask to get on the agenda, by sending an email to [president@cnpssd.org](mailto:president@cnpssd.org).



# Election

The Chapter Executive Board consists of 11 members, each selected for a two year term. This year we need to elect five members of the Board, and next year we will elect six. This year we have 6 candidates running for 5 positions. Please mail your ballot before November 15 or bring it to the next chapter meeting on **November 15**.

**Connie Di Girolamo:** A little over a year and a half ago, when one of the CNPS-SD Directors left the Board, I was appointed to the Board of Directors and asked to be the Treasurer. Prior to this appointment, I was a volunteer cashier at several annual Fall Plant Sales. My husband, Pete, is an enthusiastic native plant gardener, and our home is surrounded by beautiful maturing native plants. While I bring no botanical background to this position, I do bring a background of corporate planning and budgeting, volunteer organizational leadership, and organizational skills. During my time on the Board I have simplified our Chapter's annual budgeting and reporting. My hope is that this enhances our ability to make sound financial decisions in support of our CNPS mission.

**Michael U. Evans.** I grew up in various places in the U.S., as a son of an Air Force officer, ending up in the Inland Empire region of Southern California. I was always fascinated by natural history wherever I lived. I have a long history in San Diego's environment through my education at San Diego State University where I received a Master's degree in biology/zoology and as an avid native plant advocate. I have been involved with many aspects of the San Diego chapter of the California Native Plant Society since the late 1970's and have participated with many field trips and events over the years. I have worked as an environmental planner, specializing in conservation of sensitive species, for public agencies including the U.S. Fish and Wildlife Service, as well as with biological consulting companies in the region. My interests include photography of native plants and their landscapes and overall conservation of southern California's unique native biological resources. I currently work as a biological consultant in the San Diego area and volunteer with conservation/education activities. I have a thorough understanding of most of the laws and regulations that protect and enhance natural resources in our region. I would like to assist the chapter in participating in furthering our conservation concerns. My goal in participating on the Board of the San Diego chapter of CNPS would be to provide thoughtful review and assistance in raising the awareness of the value of native plants and their habitats in the San Diego region and providing for their protection.

**Wes Hudson** became a member of the San Diego CNPS in 2002 and is currently on the Board of our chapter. He has led Society sponsored native-plant-hikes in local canyons for the general public. In 2005, he organized a native garden tour in the San Diego metro area. He is currently a member of the San Diego Chapter's Gardening Committee, which is planning a county wide native garden tour. Wes is also one of the founding members of Friends of Juniper

Canyon, a group which is trying to help preserve native habitat in an urban canyon in San Diego. Wes, a native of NYC, came to San Diego in 1989 after having earned a doctorate at USC. As a result of years of exploring the county's backcountry, his love of native plants came to fruition when he decided to replace his lawn and backyard with natives in 2002. His interest in native gardens led to the decision to go completely native, professionally speaking; in 2006, he started a native garden design business, [North Park Native Plants](#). The basic approach of Wes's native garden business is the use of local native plants in gardens that can flourish without irrigation.

**Frank Landis** has been a CNPS member for over 20 years. His mother (Betsey Landis, active in the Santa Monica Mountains chapter) gave him a gift membership soon after he graduated from college in 1990. From there, his interest in native plants grew, and he went on to obtain two graduate degrees in botany (MA from Humboldt under John Sawyer, PhD from UW-Madison). Over the last two decades, he has belonged to four chapters (East Bay, North Coast, Santa Monica Mountains, and San Diego), and been active in three. As a CNPS member, he has given talks, led hikes, pulled weeds, commented on environmental documents and policies, surveyed rare plants and vegetation, sold plants and seeds, run an art contest, given testimony in front of the San Diego City Council and County Board of Supervisors and yes, served on the chapter Board of Directors (since 2010) and as the chair of the Rare Plant Survey Committee. Next year, if elected, he will also serve as chair of the Conservation Committee. Frank sees himself as a somewhat extreme example of how most native plant enthusiasts are made, not born, through exposure to enthusiastic, knowledgeable teachers who turn the world from a gray-green blur into a beautiful landscape of familiar species. As a director, he is interested in helping run the Chapter's day-to-day activities, in reaching out to new members and educating existing members, and in furthering plant conservation efforts throughout our city, county, and state.

**Greg Rubin:** I have been involved with California native horticulture since 1985, when I decided to landscape my parents' house with natives as part of a complete home renovation project. I was hooked instantly, and continued to develop my interest even while working my day job as an aerospace engineer. I later became a licensed contractor and currently have over 600 clients in southern California. As many of you know, my passion and love for native horticulture is boundless (they call me 'Reverend Rubin' sometimes!) and I continue to spread the word every day of my life through all types of media. I have a particularly keen interest in the underlying ecology that supports native plant communities and applying it to landscapes, which often means that conventional wisdom flies out the window. Having a number of clients involved in many fire events with positive results has also driven me to understand better the interaction between fire, landscape, and structures, hoping to reduce wildfire risk for my customers while saving and promoting native habitat. I have volunteered for and participated in many activities with CNPS-SD over the years and have made a number of presentations at meetings. I believe my

experience, enthusiasm, and knowledge can be applied constructively as a Board Member for this organization and I would relish the opportunity to serve.

**Kay Stewart:** I became a CNPS member in 1984, when I wanted to learn about the wild places in our region by going on field trips. Since then I have enjoyed serving our chapter on various committees, including Plant Sale, Field Trips, Poster Sales, Gardening, and Public Outreach, and as Secretary on the board in the 1990's and Vice President in 2010. Currently I am serving as 2011 chapter President. I would be pleased to continue to serve on the Board in any other capacity. I received a biology degree from UCR and first worked as a lab tech at Scripps Institute of Oceanography. I wanted to improve my scientific abilities, so I earned an MA in biology, with an emphasis on conservation applications, at Fresno State U, leading to a job as a biological technician for the USFS. My last three years with the USFS I concurrently studied landscape architecture and received a second bachelor's degree. I was licensed as a Landscape Architect in California in 1989 and continue to enjoy serving my landscape clients, working on community solutions to wildfire risk reduction, and volunteering for CNPS.

## PUBLIC NATIVE PLANT HIKES

We have one public hike for November. These hikes are intended for the general public as well as for CNPS members. Bring a friend!

**Sunday, November 13. Middle Tecolote Canyon Plant Walk, 9 a.m. to noon.** This will be a relaxed opportunity to see the midsection of Tecolote Canyon, where member **Jim Roberts** has found 140 species, including many that are not seen in the lower part of Tecolote Canyon. This will be the first of several walks to observe parts of this six-mile long urban canyon that can't be reached in a morning walk from the Nature Center at the mouth of the canyon. Meet at the developed parking lot and trailhead on Acworth Dr. just west of Fox Run (Thomas Guide 1268 H5). **Directions:** Take Genesee West Road between Hwy 163 and Balboa Drive to the signal on Boyd Drive and go approx. 1/3 mile west, just past the Fox Run condominium development. If you get to the stop at Mt. Acadia you went 1/4 mile too far. Wear sun protection and comfortable walking shoes, and bring water. No restrooms.

## PUBLIC OUTREACH

CNPS will be present on **Monday, November 14 at 6 p.m.**, at the San Diego Horticultural Society's meeting featuring Jon Rebman. If you would like to assist please contact Margy Day at [publicoutreach@cnpsd.org](mailto:publicoutreach@cnpsd.org) or 858-603-1908.



**CNPS 2012**  
Conservation Conference  
Conserving and restoring  
the roots of California's richness

## CNPS Conservation Conference UPDATE

**January 12-14, 2012**

**Town and Country Resort and Conference  
Center, San Diego**

Volunteers needed for audio/visual production work. During the 2012 CNPS Conservation Conference we need MANY volunteers to run the digital projectors for Workshops and Concurrent Sessions. Volunteers will be asked to work in 3 and 4 hour shifts during 5 days of the conference, January 10-14, 2012. Volunteers will be eligible for a \$75 rebate on conference registration and may be matched to events they are interested in attending. Eligibility for the rebate will be based on 8 hours or more of volunteer work during the conference and prior registration for shifts. If you can help, call **Dick Miller** 619-347-1320 or e-mail [rngr900@cox.net](mailto:rngr900@cox.net)



## TECOLOTE CANYON NATURAL PARK



**November 6. 9 a.m. to noon.** A relaxed opportunity to learn plant lore of this coastal natural reserve, from a CNPS member. Meet at the Tecolote Nature Center. Wear sun protection and comfortable walking shoes, bring water. **Directions:** exit I-5 at Seaworld/Tecolote exit. Go east (away from Mission Bay) on Tecolote, past the ball fields, along the driveway to the very end. Free and open to the public, and parking is also free. The walk is repeated the first Sunday of each month.

# CONSERVATION

Since Halloween was a few days ago, I'd like to write about an aspect of CNPS that few members know about: the tradition of elves.

No, CNPS hasn't embraced alternative spirituality. Elf is the whimsical name given by some for a practice used by many chapters in conservation work.

We don't formally call them "elves." They are people who have expertise, but who do not want to be publically associated with CNPS. Throughout the state, they include people who are consultants, agency employees, people who work for other non-profits, and members of the public, among many others. The elves are distinguished not by who they are or what they do, but by their desire for their identities to remain undisclosed.

Elves are quite active, all over the state. They are the ones who tell us when illegal development is occurring, or when a project is under review and we need to respond. Elves also review CEQA documents. They tell us who the key players are in agencies, where to find important records, sensitive plants, and so on. Much of the conservation work documented on our website is in fact elfin work.

Our conservation group treasures its elves, even if their work goes unacknowledged. We have good methods for elves to work anonymously, so that their voices can be heard and their information used to help plant conservation.

Interested in being an elf? Contact [conservation@cnpsd.org](mailto:conservation@cnpsd.org).

~ **Frank Landis**, Conservation Committee Chair

## NATIVE PLANTS AND CLIMATE CHANGE

Are California Native Plants Responding to Climate Change?

Dr. **Mary Ann Hawke**, a San Diego chapter member and plant ecologist, presented her ongoing study on native plant responses to climate at the CNPS Chapter Council in September.

While developing and administering the parobotanist program for the San Diego Natural History Museum's Plant Atlas, she read about research showing that plants in the northeast were flowering earlier in response to increases in spring temperatures over the past hundred years. This led her to ask whether San Diego's Mediterranean plants are similarly responding to climate change. Using the Museum's herbarium specimen records collected over the

last ten decades she decided to analyze flowering dates to see whether any patterns can be observed. If so, she correlates flowering with mean temperature and precipitation changes over that same time.

To increase awareness of phenology (the scientific study of seasonal phenomena such as flowering, breeding, and migration in relation to climatic conditions) she started a new citizen science project called "The San Diego County Phenology Project" which is recruiting volunteers to record observations of plant flowering locally, as part of the National Phenology Network ([usanpn.org](http://usanpn.org)). This project, which has received some funding from the San Diego Foundation and the Reuben H. Fleet Science Center, is now seeking support to begin monitoring plant flowering at local, long-term sites.

If you want to learn more about this study, and ways that you and other "citizen scientists" can participate, go to the CNPS web page:

<http://www.cnps.org/cnps/conservation/conference/2011/> and come to hear the phenology talks in the Education session of the CNPS conference in January.

~ **Mary Ann Hawke and Kay Stewart**

## EDUCATION

### Teachers Can Learn to Be Native Plant Champions

Nature-based lessons depend in most schools on someone who becomes a "nature champion." On Wednesday, October 26, interested teachers and others discussed how to use:

- Schoolyard habitats (integrated with school gardens and nature places) to teach lessons in all subjects (literacy, art, science, core curriculum, physical education, counseling).
- Nature/outdoor focus for lessons in STEM (science, technology, engineering and math), citizen science, technology applications, food-agriculture.
- Lessons about native habitats, such as Exploring San Diego's Shrubland Habitats developed for fourth grade and posted at <http://sandiegoaudubon.org/edu.htm>.
- Nearby nature, walks/field trips to canyons and open space, bus trips to other natural areas, outdoor-sixth grade school.
- Child development and health, nutrition, fitness, reducing obesity.
- Community awareness and support, including recognitions, media coverage, involvement of parents and grandparents, PTAs, and more.

This event was sponsored by San Diego Children and Nature Collaborative, and is part of an on-going outreach to educators. For more information, contact Leta Bender 619-579-8240 or Anne Fege 858-472-1293.



# A Taste of Things to Come: Changes in San Diego County Asteraceae

The second edition of the Jepson Manual is supposed to hit the shelves in January. Thanks to the Jepson Project Authors website, we can get a fairly clear idea what nomenclatural (name) changes will be presented in the new edition. There have been a LOT of changes since the first edition was published in 1993. Many changes were anticipated but there are plenty of surprises. The following list gives a taste of what can be expected when the new manual finally arrives. Brace yourselves, Asteraceae is probably the most overwhelming in terms of name changes to its members. For those of you with Rebman and Simpson's 2006 Checklist, the changes are cushioned a bit since they included many of them.

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 I will not be included in Jepson II to save on space. These species are largely waifs and do appear in the online version. 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 the names as they are to appear in the new Manual. Not all changes stick. For example, *Corethrogyne*, treated under *Lessingia*, and *Stipa* (a grass) treated under *Nassella* and *Achnatherum*, in Jepson I, will return in Jepson II. Further information can be found at <http://ucjeps.berkeley.edu/jepsonmanual/review/>. New names followed by an [SD] had already been adopted by Rebman & Simpson (2006).

## ASTERACEAE – SUNFLOWER FAMILY

*Agoseris grandiflora* (Nutt.) E. Greene. SCAL plants now **A.g.** var. **grandiflora**. *A.g.* var. *leptophylla* newly described north.

*Agoseris heterophylla* (Nutt.) Greene SPLIT, *A.g.* var. *heterophylla* in our area (*A.g.* var. *cryptopleura* is in WTR).

Note: Our two species of *Agyranthemum*, (*A. foeniculaceum* & *A. frutescens*) did not make it into the new Jepson Manual, nor are they included on the online version. See Rebman & Simpson (2006).

*Arctotis stoechadifolia* P. Bergius = **A. venusta** Norl. The name *A. stoechadifolia*, misappl. (note: not in Rebman & Simpson (2006) but there is a voucher for San Diego Co. [Gander 4354]).

*Aster bernardinus* H.M. Hall = **Symphotricum defoliatum** (Parish) G.L. Nesom [SD]

*Aster lanceolatus* Willd. subsp. *hesperius* (A. Gray) Semple & J. Chmielewski = **Symphotricum I.** (Willd.) G.L. Nesom var. **hesperium** (A. Gray) G.L. Nesom [SD]

*Aster subulatus* Michaux var. *ligulatus* Shinn. = **Symphotricum subulatum** (Michx.) G.L. Nesom var. **parviflorum** (Nees) S.D. Sunb.

Note, this is treated as *S. subulatum* var. *ligulatum* (Shinn.) S.D. Sundb. in the San Diego Checklist (Rebman & Simpson, 2006).

*Baccharis douglasii* DC. = **B. glutinosa** Pers. Misapl. by N. Am. Botanist to *B. salifolia*.

*Baccharis emoryi* A. Gray = **B. salicina** Torr. & A. Gray

*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.

*Baccharis salicifolia* (Ruiz & Pav.) Pers. Our plants now *B.s.* subsp. *salicifolia*.

*Brickellia arguta* Robinson var. *arguta* incl. under **B. atractyloides** A. Gray var. **atractyloides**

*Brickellia arguta* var. *odontolepis* Robinson = **B. atractyloides** var. **odontolepis** (B.L. Rob.) Jeps.

*Carthamus tinctorius* L. DELETED; see online treatment. Keil & Turner considers this species a waif from cultivation.

*Centaurea maculosa* Lam. = **C. stoebe** L. subsp. **micranthos** (Gulger) Hayek

*Chamomilla occidentalis* (Greene) Rydb. = **Matricaria o.** Greene [SD]

*Chamomilla suaveolens* (Pursh) Rydb. = **Matricaria discoidea** DC.

**Chrysanthemoides monilifera** (L.) Norl. subsp. **monilifera** NEW ADDITION [SD].

*Chrysanthemum coronarium* L. = **Glebionis coronaria** (L.) Spach

*Chrysanthemum segetum* L. = **Glebionis segatum** (L.) Fourr. NEW ADDITION *Chrysothamnus nauseosus* (Pallas) Britton subsp.

*bernardinus* (H.M. Hall) H.M. Hall & Clements = **Ericameria nauseosa** (Pall.) G.L. Nesom & G.I. Baird var. **bernardina** (H.M. Hall)

G.L. Nesom & G.I. Baird

*Chrysothamnus nauseosus* subsp. *consimilis* (Greene) H.M. Hall & Clements = **Ericameria nauseosa** var. **oreophila** (A. Nelson) G.L. Nesom & G.I. Baird

*Chrysothamnus paniculatus* (A. Gray) H.M. Hall = **Ericameria paniculata** (A. Gray) Rydb.

*Cnicus benedictus* L. = **Centaurea benedicta** (L.) L.

*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

*Coreopsis maritima* (Nutt.) Hook = **Leptosyne m.** (Nutt.) A. Gray

*Coreopsis wrightii* (A. Gray) H. Parker = *Leptosyne w.* DELETED. Acc. to Jepson author not naturalized in San Diego Co. but included in Rebman & Simpson (2006).

*Cynara cardunculus* L. = **C.c.** subsp. **flavescens** Wiklund

*Cynara scolymus* L. = **C. cardunculus** subsp. **cardunculus**

**Dimorphotheca fruticosa** (L.) DC. NEW ADDITION [SD under *Osterospermum f.* (L.) Norl. of auth.].

**Dittrichia graveolens** (L.) Greuter NEW ADDITION [SD].

*Encelia farinosa* Torr. & A. Gray, author change, ***E. farinosa*** Torr.  
*Filago arizonica* A. Gray = ***Logfia a.*** (A. Gray) Houb  
*Filago californica* Nutt. = ***Logfia filaginoides*** (Hook. & Arn.) Morefield  
*Filago depressa* A. Gray = ***Logfia d.*** (A. Gray) Houb  
*Filago gallica* L. = ***Logfia g.*** (L.) Coss. & Germ.  
*Gamochaeta calviceps* (Fernald) Cabrera NEW ADDITION [SD]. New introduction from SE U.S.  
*Gamochaeta stagnalis* (I.M. Johnst.) Anderb. NEW ADDITION. New introduction from Mexico, evidently recently established. Not in Rebman & Simpson (2006).  
*Geraea canescens* A. Gray; author change to ***G. canescens*** Torr. & A. Gray.  
*Gnaphalium bicolor* Bioletti = ***Pseudognaphalium bioletii*** Anderb. [SD]  
*Gnaphalium californicum* DC. = ***Pseudognaphalium c.*** (DC.) Anderb.  
*Gnaphalium canescens* DC. subsp. *beneolens* (Davidson) Stebb. & Keil = ***Pseudognaphalium b.*** (Davidson) Anderb. [SD]  
*Gnaphalium canescens* subsp. *canescens* = ***Pseudognaphalium c.*** (DC.) Anderb. [SD]  
*Gnaphalium canescens* subsp. *microcephalum* (Nutt.) Stebb. & Keil = ***Pseudognaphalium microcephalum*** (Nutt.) Anderb. [SD]  
*Gnaphalium leucocephalum* A. Gray = ***Pseudognaphalium l.*** (A. Gray) Anderb.  
*Gnaphalium luteo-album* L. = ***Pseudognaphalium luteoalbum*** (L.) Hilliard & B.L. Burtt.  
*Gnaphalium purpureum* L. (San Diego plants) = ***Gamochaeta ustulata*** (Nutt.) Holub NEW ADDITION [SD]. Previously a syn. of *Gnaphalium purpureum*.  
*Gnaphalium ramosissimum* Nutt. = ***Pseudognaphalium r.*** (Nutt.) Anderb.  
*Gnaphalium stramineum* Kunth = ***Pseudognaphalium s.*** (Kunth) Anderb.  
*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*.  
*Grindelia hirsutula* Hook. & Arn. var. *hallii* (Steyrm.) M.A. Lane = ***G. hallii*** Steyerm.  
*Guizotia abyssinica* (L.f.) Cass. [SD]. This would be a new addition and although “accepted for the Jepson 2” Jepson Interchange, does not appear on the Jepson 2 website.  
*Helianthus niveus* (Benth.) Brandegees subsp. *canescens* (A. Gray) Heiser = ***H. petiolaris*** Nutt. subsp. *c.* (A. Gray) D.J. Keil  
*Hemizonia conjugens* D.D. Keck = ***Deinandra conjugens*** (D.D. Keck) B.G. Baldwin [SD]  
*Hemizonia fasciculata* (DC.) Torrey & A. Gray = ***Deinandra f.*** (DC) Greene [SD]  
*Hemizonia floribunda* A. Gray = ***Deinandra f.*** (A. Gray) Davidson & Moxley [SD]  
*Hemizonia kelloggii* Greene = ***Deinandra k.*** (Greene) Greene [SD]  
*Hemizonia mohavensis* D.D. Keck = ***Deinandra mohavensis*** (D.D. Keck) B.G. Baldwin [SD]  
*Hemizonia paniculata* A. Gray = ***Deinandra paniculata*** (A. Gray) Davidson & Moxley [SD]  
*Hemizonia parryi* Greene ssp. *australis* Keck = ***Centromadia p.*** (Greene) Greene subsp. *a.* (D.D. Keck) B.G. Baldwin [SD]  
*Hemizonia pungens* (Hook. & Arn.) Torr. & A. Gray subsp. *laevis* Keck = ***Centromadia pungens*** (Hook. & Arn.) Greene subsp. *i.* (D.D. Keck) B.G. Baldwin [SD]  
*Hemizonia pungens* subsp. *pungens* = ***Centromadia p.*** subsp. *pungens* [SD]  
*Hymenoclea monogyra* Torr. & A. Gray = ***Ambrosia m.*** (Torr. & A. Gray) Strother & B.G. Baldwin [SD]  
*Hymenoclea salsola* A. Gray var. *salsola* = ***Ambrosia s.*** (A. Gray) Strother & B.G. Baldwin var. *salsola* [SD]  
***Isocoma menziesii*** (Hook. & Arn.) G.L. Nesom var. *decumbens* (Greene) G.L. Nesom NEW ADDITION.  
***Lasthenia californica*** Lindl. subsp. *californica*. Circumscription revised, some plants previously treated as *L. californica* would now be ***L. gracilis*** (DC.) Greene [SD in part].  
*Lessengia filaginifolia* (Hook. & Arn.) M.A. Lane var. *filaginifolia* = ***Corethrogyne filaginifolia*** (Hook. & Arn.) Nutt. While varieties are no longer recognized in Jepson at all, two San Diego varieties, *C.f.* var. *incana* (Nutt.) Canby and *C.f.* var. *linifolia* H.M. Hall remain problematic and continue to be recognized by many San Diego County botanists.  
*Machaeranthera asteroides* (Torr.) Greene var. *lagunensis* (D.D. Keck) B.L. Turner = ***Dieteria a.*** var. *i.* (D.D. Keck) D.R. Morgan & R.L. Hartm.  
*Machaeranthera canescens* (Pursh) A. Gray var. *canescens* = ***Dieteria c.*** (Pursh) Nutt. var. *canescens*  
*Machaeranthera juncea* (Greene) Shinnars = ***Xanthisma j.*** (Greene) D.R. Morgan & R.L. Hartm.  
*Madia elegans* D. Don subsp. not recognized as distinct (*M.e.* subsp. *elegans* was in San Diego Co.)  
***Oncosiphon piluliferum*** (L.f.) Kallersjo NEW ADDITION [SD].  
*Picris echinoides* L. = ***Helminthotheca e.*** (L.) Holub  
***Plecostachys serpyllifolia*** (P.J. Bergius) Hilliard & B.L. Burtt NEW ADDITION. Not in Rebman & Simpson (2006)  
***Pluchia odorata*** (L.) Cass. Our plants = ***P.o.*** var. *odorata*. Other var. on east coast.  
***Pseudognaphalium roseum*** (Kunth) Anderb. NEW ADDITION. Syn. = *Gnaphalium r.* Kunth. From Mex, C. Am.  
***Ratibida colmnifera*** (Nutt.) Wootton & Standl. NEW ADDITION. Naturalized from farther east.  
*Senecio ganderi* T. M. Barkley & R.M. Beauch. = ***Packeria g.*** (T.M. Barkley & R.M. Beauch.) W.A. Weber & A. Love [SD]  
***Senecio linearifolius*** A. Rich. var. *linearifolius* NEW ADDITION [SD].  
*Senecio mikanioides* Walp. = ***Delairea odorata*** Lem.  
*Solidago californica* Nutt. = ***S. velutina*** subsp. *californica* (Nutt.) Semple  
*Stephanomeria pauciflora* (Torr.) A. Nelson. Varieties (*S.p.* var. *pauciflora* & *S.p.* var. *parishii*) not recognized as distinct.  
***Taraxicum erythrospermum*** Besser NEW ADDITION. Not in Rebman & Simpson (2006).  
*Thelesperma megapotamicum* (Sprengel) Kuntze DELETED; see online treatment, considered a waif [SD].  
*Thymophylla tenuiloba* (DC.) Small var. *tenuiloba* See online treatment, considered a waif. One collection in San Diego.  
*Viguiera laciniata* A. Gray = ***Bahiopsis l.*** (A. Gray) E.E. Schill & Panero  
*Viguiera parishii* (E. Greene) = ***Bahiopsis p.*** (Greene) E.E. Schill & Panero  
***Viguiera purisimae*** Brandegees NEW ADDITION. [SD]  
*Viguiera reticulata* S. Watson = ***Bahiopsis r.*** (S. Watson) E.E. Schill & Panero  
***Volutaria muricata*** (L.) Maire NEW ADDITION. Treated as *Centauria m.* L. in Rebman & Simpson (2006). Note, *V. canariensis* Wagenitz, highlighted in the October Newsletter, is not included on the Jepson website.

## Fall Plant Sale a Huge Success!!!

We had another hugely successful plant sale on Saturday October 15th, 2011 complete with Monarch butterflies flitting around the courtyard! We raised about \$15,000 (the treasurer is still counting) but more importantly we provided an opportunity for the general public to learn about California native plants and see them up close.

Thanks to the many customers who bought plants and supported CNPS and to the volunteers who made it all happen. We owe some special thanks to the members who grew plants, our wonderful CNPS Propagation team led by Connie Beck, and we are fortunate to have so many local native plant nurseries to provide plants - Tree of Life, Recon Native Plants, Las Pilitas, and Moosa Creek. Special thanks to **Whole Foods in La Jolla** for donating breakfast and lunch for our volunteers. Thanks to our fantastic treasurer for enabling us to accept credit cards this year. The plant sale runs so smoothly because so many volunteers return each year to lend their expertise and help train new volunteers. If you have questions or comments about our plant sale, please send them to [plantsale@cnpsd.org](mailto:plantsale@cnpsd.org)

Stay tuned, there will be a Spring 2012 sale at Tree of Life Nursery and we will back in Balboa Park on Saturday October 13th, 2012 selling plants - so please spread the word.

~ Carolyn Martus and Mary Kelly

The CNPS-SD Newsletter is published 12 times a year. The newsletter is not peer reviewed and any opinions expressed are those of the author identified at the end of each notice or article. The newsletter editor may edit the submittal to improve accuracy, improve readability, shorten articles to fit the space, and reduce the potential for legal challenges against CNPS. The author has the final say on whether the article, as edited, is printed in the newsletter. Submissions are due by the 10<sup>th</sup> of the month preceding the newsletter; that is, November 10 for the December newsletter, etc. Please send submittals to [newsletter@cnpsd.org](mailto:newsletter@cnpsd.org).



## Garden Work Parties

**Old Town Historic State Park Native Garden: November 12 (Saturday), 1:00 to 3:00 p.m.** Q: How Many Volunteers Does it Take to Plant a Native Plant Garden? A: A Bunch!

The season for planting native plants is when the rains arrive and the temperatures are not hot and not cold, so root growth is encouraged while top growth is slow. This lets the plants reach into the soil and be well established by the time the heat arrives nine months later. The Native Plant Garden illustrates the landscape that was by the San Diego River when Europeans arrived and established Old Town San Diego at the site of a Native American village called Kosoy. Bring your garden gloves and planting tools, and some plastic jugs to carry water for planting your share of the native plants that will be added to the garden. Or share the tools that chapter will provide. We also will use natural twigs to create little shelters for our new plants, to protect them from footsteps.

The Native Plant Garden is at the far west end of Old Town, at the corner of Taylor and Congress Streets (Thomas Guide 1248 F5), right across from the depot building at the train/trolley/bus station. Come by mass transit and cross at the corner and you are there; or if you drive, park in the free state park parking lot at Calhoun and Taylor, or across Taylor in the CalTrans Parking lot. Bring water if you would rather not use the drinking fountain. Restrooms on site.

**Point Loma Native Plant Garden: November 5 and 20, 9:00 – noon.** Rain cancels; bring water; no facilities; tools/supplies provided. Usually the first Saturday & third Sunday of each month. Contact [Richard@sandiegoriver.org](mailto:Richard@sandiegoriver.org) for more info.

### CALENDAR FOR NOVEMBER 2011

- 11/5: Point Loma Native Garden Work Party (p. 7)
- 11/6: Tecolote Canyon Public Walk (p.3)
- 11/2: Board Meeting (p. 2)**
- 11/13: Plant Walk (p. 3)
- 11/12: Old Town Work Party (p. 7)
- 11/15: Chapter Meeting (p. 1)**
- 11/20: Point Loma Native Garden Work Party (p. 7)

**MEMBERSHIP APPLICATION**

\_\_\_ Student or Limited Income \$25; \_\_\_ Individual \$45; \_\_\_ Family or Library \$75  
\_\_\_ Plant Lover \$100; \_\_\_ Patron \$300; \_\_\_ Benefactor \$600; \_\_\_ Mariposa Lily \$1,500

Name(s): \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ e-mail: \_\_\_\_\_

Mail check payable to "CNPS" to: CNPS, 2707 K Street, Ste 1, Sacramento, CA 95816.

**CALIFORNIA NATIVE PLANT SOCIETY**

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C/o San Diego Natural History Museum  
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November 2011 Newsletter

Dedicated to the preservation of California native flora

**CALIFORNIA NATIVE PLANT SOCIETY – SAN DIEGO**

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