



Sweepstakes Winner

**Plants of the Month**

**Cactus – Echinopsis**

**Succulent - Stem  
Succulent  
Euphorbias**

**Save the Date!**

JUNE 3-4 - SAN  
DIEGO CSS SUMMER  
SHOW & SALE

JUNE 10-11 - LOS  
ANGELES CSS SHOW  
AND SALE

JUN 30-JUL 2 - CSSA  
ANNUAL SHOW AND  
SALE

JULY 20-22 - ORANGE  
COUNTY CSS  
SUMMER SHOW AND  
SALE

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# Open Gates

A publication of the  
**Gates Cactus & Succulent Society**  
**June 2017**

NEXT MEETING, WEDNESDAY, June 7th at 7:00 PM

AT THE REDLANDS CHURCH OF THE NAZARENE 1307 E  
CITRUS AVE, IN REDLANDS, CA

**From the President:**

Welcome back everyone after a most successful and fantastic Annual Show and Sale the club has ever witnessed. The tremendous number of people attending the two-day event surpassed any of our expectations. In fact, it even overwhelmed our volunteers at certain moments but everyone rose to the occasion and gave our best. Overall, responses from participants, club members, and vendors were positive. Many seasoned attendees even said this was the best Gates show/sale that they have ever experienced. Although there is room for improvement, the sales total is the highest for the club with no surprise due to the constant volume of shoppers during the two days. Let's also give kudos to the ideal outdoor weather mother-nature decided to reward us for those days.

Thank you...to you the club members who have unselfishly devoted so much of your time, effort, knowledge, and enthusiasm toward the show and sale. I am quite elated to see so many more club members participating in some aspect of the event than in previous years. Many vendors also commented on the helpfulness and productivity of the club members. You all deserve much accolades. Special recognition goes to the sales chairperson, the entire planning committee and anyone who even remotely assisted us in preparing for this monumental yearly project. In final, we did well...the best yet!

You will find the summary and result of the plant show in this edition. Thanks to all of those who brought your plant/picture to the show. Congratulations to all the winners and special recognition recipients. Indeed, the show was also a success in showcasing your talents. As we take moment to relish on some after-thoughts to this year's show/sale, let us just do that....

We will still be plenty busy with excitement for more succulents and cacti during the hot, long summer. Be sure to attend the meetings and enjoy many other plant shows and sales happening all over the area. Please give us your input for possible field trip destinations and/or home garden tours.

## Our Speaker This Month

### Ernesto Sandoval

"South African Succulents in Summer: A Grower's Perspective"

Join Ernesto for a grower's perspective on seeing succulents in Southern Africa both in gardens and the wild from his travels there. From his "Summer Sabbatical" in South



Africa and Namibia he'll share what he learned about the features of these plants from the diversity of habitats and cultivated environments he experienced. Some highlights will include exploring the Conservatory at Kirstenbosch National Botanical Garden, a little of the Richtersveld including species of Aloes that are home to this formidable part of northwestern South Africa, a visit to Namibia including the Kokerboom forest (*Aloe dichotoma*) near Keetmanshoop and several populations of the unique *Welwitschia mirabilis*, as well as other succulents from the Cape region and other deserts from that amazingly diverse part of the world!

### BIO

Ernesto Sandoval has been wondering and seeking questions to why plants grow and look the way that they do for a long time. Now he explains and interprets the world of plants to a variety of ages and experiences from K-12 to professionals and Master Gardeners. He regularly lectures to a variety of western Garden Clubs throughout the year and particularly to Succulent Clubs throughout the State and elsewhere since that group of plants is his passion within his general passion for plants. He describes himself as a "Jose of All Plants, Master of None." Ernesto thoroughly enjoys helping others, and gardeners in particular, to understand why and how plants do what they do.

When he was about 13 he asked his dad why

one tree was pruned a particular way and another tree another way. His dad answered bluntly "because that's the way you do it." Since then he's been learning and teaching himself the answers to those and many other questions by getting a degree at UC Davis in Botany and working from student weeder/waterer to Director over the last 25 years at the UC Davis Botanical Conservatory. He has long left the "mow blow and go" monoculture landscape gardening world and has immersed himself in the world of polyculture and biodiversity by growing several thousand types of plants at the UC Davis Botanical Conservatory, many of them succulents. Several of his favorite garden projects involved converting lawns and or water loving landscapes to drought tolerant and diversity filled gardens! He likes to promote plant liberation by encouraging gardeners of all sorts to grow more plants in the ground when possible. He loves the technical language of Botany but prefers to relate information in more understandable methods of communication! By helping people to understand the workings of plants he hopes to help us better understand how to and why our plants do what they do and how we can maximize their growth with less effort.



## Mini Show Results

Please remember to completely fill out the Mini show entry forms. **Incomplete forms will be disqualified.** Please note, we will no longer have the Large and Small categories

### **Cactus**

#### Novice

3<sup>rd</sup> *astrophytum myriostigma quadricostatum* – Mike Madrigal

#### Intermediate

1<sup>st</sup> *Mammillaria geminispina* – Tommy Dodson

2<sup>nd</sup> *Mammillaria muehlenpfordtii* – Tommy Dodson

3<sup>rd</sup> *Mammillaria karwinskiana* – Tommy Dodson

3<sup>rd</sup> *Rebutia heliosa* – Karl Trisler

#### Advanced

1<sup>st</sup> *Stenocereus hollianus cristata* – Greg & Anna Cavanaugh

2<sup>nd</sup> *Rebutia arenacea* – Frank Nudge

3<sup>rd</sup> *Opuntia vulgaris* - Greg & Anna Cavanaugh

### **Succulent**

#### Novice

2<sup>nd</sup> *Pachypodium brevicaule* – Mike Madrigal

3<sup>rd</sup> *Conophytum puberulum* – Mike Stricby

#### Intermediate

1<sup>st</sup> *Euphorbia snowflake* – Tommy Dodson

2<sup>nd</sup> *Euphorbia spec.* – Tommy Dodson

3<sup>rd</sup> *Sanservieria pinguiaula* – Tommy Dodson

HM *Dudleya brittonii* – Karl Trisler

#### Advanced

1<sup>st</sup> *Fockea edulis* – Greg & Anna Cavanaugh

2<sup>nd</sup> *Euphorbia inermia v. huttoniaa* - Greg & Anna Cavanaugh

3<sup>rd</sup> *Euphorbia flanagani* - Greg & Anna Cavanaugh

## We say Farewell

It is with heavy heart to announce the passing away of a club's long-time member. Audry Kenyon left us on May 23, 2017 in Oroville, CA.

She leaves behind daughter Sue Sims, also a long-time and integral member of our club. We share the deepest sympathy and condolences to her family and friends.

Rest In Peace Audry...in succulent and cactus-land!



### **Too many plant cuttings?**

#### **Extra pots?**

*Clean them up and Donate them!*

Our club is always accepting donations, just drop them off at the monthly meeting ticket table. All funds for donations go directly into the club and are used towards future events.

### **Ask the Experts**

Have a mystery plant? would you

Like to know the species name of your

plants? Well the experts are here to help!

Bring in your plant, or a good picture, to our

next meeting and we will call on our expert

members to help solve Your mystery!



## Trophy and Rosette Awards 2017

Best Plant in Show: *Tephrocactus geometricus*  
Cavanaughs

Best Cactus in Show: *Tephrocactus geometricus*  
Cavanaughs

Best Succulent in Show: *Cephalopetandra ecirrhosa*  
Pablo Gonzalez

Best Novice Plant: *Mammillaria mystax*  
Jeffrey Loew

Best Cactus Novice: *Melocactus diersianus*  
Jeffrey Loew

Best Succulent Novice: *Haworthia pumila*  
Sande Martin

Best Euphorbia: *Euphorbia fusca*  
Cavanaughs

Best Ferocactus: *Ferocactus glaucensens v.inerm*  
Tony Marino

Best Haworthia: *Haworthia limfolia v. striala*  
Kim Urman

Best Mammillaria: *Mammillaria Plumosa*  
Cavanaughs

Best Mexican Cactus: *Ortegocactus macdougalli*  
Tony Marino

Best S. American Cactus: Tony Marino  
*Pygmaeocereus famillaris*

Best Aloe: *Aloe mehamacautha*  
Tony Marino

Best Agave: *Agave utahensis*  
Tony Marino

Best Sansevieria: *Sansevieria suffruticosa*  
Tommy Dodson

Odd-ball Plant: *Beaucarnea recurvata*  
David Hawks

Best Echinocereus: *Echinocereus barthelowarus*  
Tony Marino

### High Points Sweepstakes Diana Roman

Best Lithops: *Lithops nelti*  
J. Herne

Best Opuntioideae: *Tephrocactus geometricus*  
Tommy Dodson

Best Gymnocalycium: *Gymnocalycium nenhuberi*  
Peter Walkowiak

Judges Choice: 1. *Tephrocactus geometricus*

- Cavanaughs
- Calibanus hookeri*  
David Hawks
- Fockea edulis*  
Cavanaughs
- Epithecantha micromeris crest*  
Frank Nudge

### Rosettes

Best Advanced cactus – *Weingarntia*  
Peter Walkowiak

Best Advanced succulent – *Euphorbia beharensis*  
ssp.  
David Hawks

### Other Awards & Statistics

Number of entries in Show: 417

Number of exhibitors: 21 - 7 Novice  
6 Intermediate  
8 Advanced

High Points Succulent: 1<sup>st</sup> Diane Roman (74)  
2<sup>nd</sup> Judy Horne (46)  
3<sup>rd</sup> Kim Urman (41)

High Points Cactus: 1<sup>st</sup> Tony Marino (89)  
2<sup>nd</sup> Diane Roman (76)  
3<sup>rd</sup> Judy Horne (33)  
Frank Nudge (33)

Overall High Points "SWEEPSTAKES":

- 1<sup>st</sup> Diane Roman (150)
- 2<sup>nd</sup> Tony Marino (100)
- 3<sup>rd</sup> Judy Horne (79)

## 2017 Upcoming Events

- JUNE 3-4 SAN DIEGO CACTUS AND SUCCULENT SOCIETY-- SUMMERSHOW & SALE BALBOA PARK, ROOM 101, SAN DIEGO, CA INFO. 858-382-1797
- JUNE 10-11 LOS ANGELES CACTUS and SUCCULENT SOCIETY PLANT SHOW AND SALE JUNE 10 9-5  
11th 9-3 SEPULVEDA GARDEN CENTER, 16633 MAGNOLIA BLVD., ENCINO, CA.  
INFO. [www.lacss-show.com](http://www.lacss-show.com)
- JUN 30-JUL 2 CSSA ANNUAL SHOW AND SALE –HUNTINGTON BOTANICAL GARDENS  
1151 OXFORD ROAD, SAN MARINO, CA. PLANTS SALES START JUNE 30<sup>TH</sup> THRU JULY 2<sup>ND</sup> 10am to 5pm  
SHOW OPENS JULY 1<sup>ST</sup> THUR JULY 2<sup>ND</sup> 10am-5pm INFO.  
626-405-3504
- JULY 20-22 ORANGE COUNTY CACTUS AND SUCCULENT SOCIETY SUMMER SHOW AND SALE. THURS. 20<sup>TH</sup> 6-8pm, FRI. JULY 21<sup>ST</sup> 9am-7pm, SAT. 22<sup>ND</sup> 9-5pm 1000 S. State College Bl., (Anaheim United Methodist Church) Anaheim, CA INFORMATION CALL 949-212-8417
- JULY 26-31 CSSA CONVENTION, TEMPE, AZ.



**FREE EVENT**

**SATURDAY & SUNDAY  
JUNE 10-11, 2017**

**Annual Drought Tolerant Plant Festival**

Sepulveda Garden Center  
16633 Magnolia Boulevard  
Encino, CA 91316

**LOS ANGELES CACTUS & SUCCULENT SOCIETY  
ANNUAL DROUGHT TOLERANT PLANT FESTIVAL  
SHOW & SALE**

**SATURDAY, JUNE 10, 2017 - 9AM TO 4PM**  
**Featured Speakers\***  
Lili Singer Sandy Chase Kathleen Misko

**SUNDAY, JUNE 11, 2017 - 9AM TO 3PM**  
Kids' Day events start at 10:30AM  
**Featured Speakers\***  
Matt Maggio John Martinez  
\*Check website and Facebook for times



**FREE EVENT**

**Saturday & Sunday Activities**

- Plants, Pottery, and Craft Sales
- Educational Displays and Demonstration Gardens
- The San Fernando Valley Bromeliad Society Displays
- Silent Auctions • Potting Workshop • Refreshments for purchase

**Activities for kids on Sunday**

- Games and Crafts • Pot-A-Plant • Kids' Displays • Turtle & Tortoise Club

Check our website and Facebook for updates: [www.lacactus.com](http://www.lacactus.com)  
Sepulveda Garden Center  
16633 Magnolia Boulevard, Encino, CA 91316  
e-mail: [lacss.contact@gmail.com](mailto:lacss.contact@gmail.com) | phone: 818-749-5346

## Echinopsis

Buck Hemenway

The genus *Echinopsis* is one that is not well understood. All of the publishing botanists admit that there is confusion about this very large genus. The plants are all endemic to South America and grow primarily in sub-tropical to tropical locations from low elevations to over 12,000 ft.

Using the New Cactus Lexicon as a guide, the genus now includes *Echinopsis*, *Trichocereus*, *Lobivia*, *Pseudolobivia*, and *Soehrensia* among others. There are 128 species recognized in this genus.

The plants range in size from the small ball-like clumping forms of *Echinopsis eyriesii* to the giant tree-like forms of *E. terscheckii* and *atacamensis*. They are usually branching, forming shrubs of varying stature. They bloom sub-apically, meaning lower on the branch than the very tip, to mid branch.

The blooms are, for the most part, funnel-form, and usually have overlapping scales on the flower tube that are normally tipped with hair-like bristles. They are among the most dramatic of all flowers and can range in color from pure white, to brilliant yellow to hot, bright red. The size of the flowers can range to 12" long and more than 6" wide at the mouth.

The smaller forms have been hybridized for years to produce new flower colors and we see the results in the offerings from the Huntington Library and Botanical Gardens, which have been hybridized by Bob Schick from plants originally grown at the Paramount Nursery in the mid-1900's.

They are very easy to grow in our Inland climate and do very well in the ground in well-drained conditions and as well as in pots. They tend to be pest-free, but care should be taken to make certain that no mealy bugs infest these plants. A few of the smaller varieties need protection from the coldest nights, but for the most part, they will stand full sun.

They do well in our winter rainfall climate and like some occasional summer watering as well. We always need to make sure that the soil is fairly well dried out before watering.

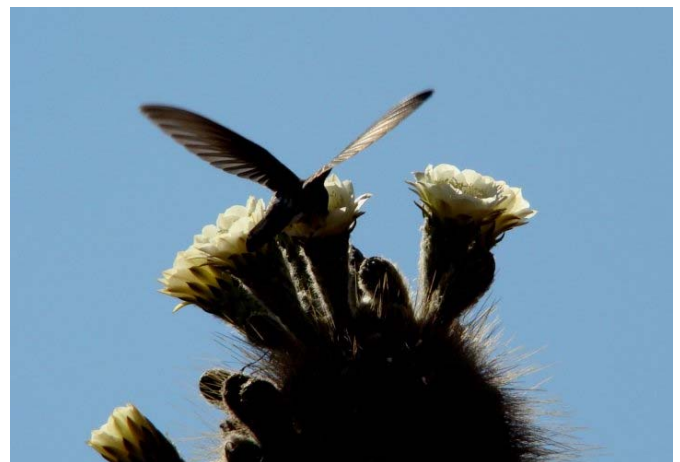
They are easy to propagate. Any branch on any size plant can be removed (best at the joining place) allowed to callous for a few weeks and rooted.



Our friend Ed takes a picture of a very large *Oreocereus celsianus* at 13,000 ft elevation.



*Echinopsis poco* at 11,700 ft elevation



Giant hummingbird drinks from *Echinopsis atacamensis* ssp. *pasacana* flower at the ruins at Tilcara Argentina

## Stem Succulent *Euphorbia*

Buck Hemenway

The Euphorbiaceae family of plants is among the largest in numbers on earth. Plants from this family grow on all continents except Antarctica. We recognize the spurge in our gardens and the Poinsettia as some of the most common of Euphorbia plants.

The evolution of plants in the old world has taken some similar directions as those in the new world. While cacti have populated the arid areas of the new world, succulent Euphorbias are in the old world. The stem types of Euphorbias range in size and stature from the *E. obesa* to the giant candelabra shaped *E. abyssinia*, *E. ammak* and others.

Euphorbias are always recognizable by their flowers (small yellow flowers) and by the sap in the stems which is a latex, white in color and usually very astringent. They are always poisonous and the sap can cause injury if it gets in one's eyes or on sensitive skin areas of the body.

Among the smallest of these is *E. tridentia* which grows in the Little Karoo in South Africa. A fully mature plant is no more than 5" tall and about 3/4" in diameter. The large candelabras can be 40 feet tall and 30 feet wide, so the size and shape range of these is huge.

They grow in all parts of Africa, Madagascar and the Arabian Peninsula. In general, they are opportunistic in their water needs, so as long as they are well drained, they can be watered year around. Some care should be taken to ensure that the soil is fairly dry before adding more water.

They tend to be pest resistant, but scale is a common pest and should be treated as soon as recognized.

Many of the most dramatic of these plants come from sub tropical and tropical Africa. They are frost sensitive, but will survive all but the hardest freeze (below 22 deg f).

As far as the mini-show for this month is concerned, we will use the same definitions as we use for the main Show for this category. Any euphorbia plant that fits the description of "stem succulent" will qualify.



*Euphorbia abyssinia*

*Euphorbia resinifera*



*Euphorbia pseudocactus* (flowers)



*Euphorbia obesa*

From: Gates Cactus & Succulent Society  
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