



Sweepstakes Winner

Open Gates

A publication of the Gates Cactus & Succulent Society February 2017

NEXT MEETING, WEDNESDAY, February 1st at 7:00 PM

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

Plants of the Month

Cactus – Rebutia,
Sulco, Weingartia

Succulent – Rosette
(smaller than 10” diam)

Save the Date!

FEB. 11 - SAN DIEGO
CACTUS AND
SUCCULENT SOCIETY,
SPRING SHOW AND SALE

MAR. 23-25 - ORANGE
COUNTY CACTUS AND
SUCCULENT SOCIETY
SPRING SHOW AND SALE

APR. 8-9 - SOUTH
COAST CACTUS AN
SUCCULENT SOCIETY
SHOW & SALE

APR. 23 - HUNTINGTON
PLANT SALE

From the President:

The planning for our spring Annual Show and Sale is well underway. Much still has to be done but the planning committee has made ample progress. We will need everyone’s help, however little or big. Please consider volunteering for the many jobs and positions that is so crucial for the success of this event. Remember that this is the BIGGEST fundraising activity for the club. Our website will have information update on the show/sale so refer to it for details. There will be significant change and progress to the sales that will affect our member vendors participating. Those who wish to be a vendor, stay tuned...

It is not too early to start preparing your plants for the annual show. Although January provided the much-needed rainfall (it is the rainy season) thus far, start tending to your plants now. You may notice that some of your plants will need the next 4 months to “revive.”

This month’s speaker will enlighten us with some long-time techniques proven to further beautify your succulent garden. Rock garden landscaping has long been a successful secret in creating that ideal garden. Both professional gardens and gardeners have always incorporated some rocky motif into their landscape to accentuate the effects. Panayoti will highlight some of his personal secrets to help us create an even more exotic southern California succulent garden.

As spring is quickly approaching so too are many spring garden events. Get all of the event details in this newsletter, on the website and be sure to spread the information amongst us gardeners. As a reminder, please renew your annual membership dues this month. You already know all the wonderful benefits that come with being a full, active member. Thank you for the support.

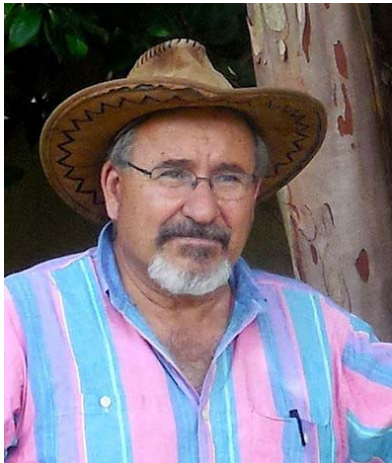
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Leadership Team 2017

This Month's Speaker

"New ways to design for growing succulents"



Most enthusiasts all over the globe grow cacti and succulents in containers, where they can be brought indoors in climates that are too wet or cold, or moved around to show them off at their best.

In southern California, such a huge range of succulents thrive outdoors that more and more gardeners just line their plants out in beds, much as one would with leafy perennials in a wetter climate.

Despite the artistic example of Huntington's desert garden, or Lotusland, sometimes our gardens don't always come across with the most pleasing design--and there are many facets of designing with succulents that can pay dividends.

Boulders and rocks, and especially the exciting new style of crevice gardening not only provides a fabulous setting for succulents, but rock gardens can provide a myriad of microhabitats that make it possible to grow otherwise difficult plants with ease.

In this talk, Panayoti will show creative ways that gardeners have designed gardens to showcase succulents around the world!



BIO

Panayoti Kelaidis is a plant explorer, gardener and public garden administrator associated with Denver Botanic Gardens where he is now Senior Curator and Director of Outreach. He has designed plantings for many of the gardens at DBG, he is particularly noted for the plantings of the Rock Alpine Garden. He has introduced hundreds of native

ornamentals from throughout the Western United States to general horticulture. He has taken seven collecting



trips to Southern Africa researching the high mountain flora there, as well as travels to the Andes, the Himalaya (from both Pakistan and China) as well as travels throughout much of Europe, and Turkey. Many of his plant introductions are available through Plant Select[®], (a plant introduction program he helped launch along with staff from Colorado State University and nurseries across America). He has lectured in over 130 cities in seven countries, and has been featured in dozens of television, newspaper and magazine pieces. He has published widely in popular and technical horticultural journals.

In recent years Panayoti has been honored with the Boulder History Museum's 60 Year Living History award in 2004, in 2003 by being inducted into the Garden Club of America as Member-at-Large, in 2002 he received the National Garden Clubs Medal of Honor and in 2000 he received the Arthur Hoyt Scott Medal from the Scott Arboretum at Swarthmore College. He has received four awards from the North American Rock Garden Society. In 2004 he was inducted into the Colorado Nursery and Greenhouse Association's Hall of Fame. In 2009 he received the Liberty Hyde Bailey Award of the American Horticultural Society.

Mini Show Results

Please remember to completely fill out the Mini show entry forms. **Incomplete forms will be disqualified.**

Cactus

Novice

Small

- 1st Mammillaria plumose – Mike Madrigal
- 3rd Mammillaria albicans – Mike Madrigal

Large

- 2nd Mammillaria gracilis – Mike Madrigal

Intermediate

Small

- 2nd mammillaria candida – Tommy Dodson

Large

- 1st Mammillaria geminispina – Tommy Dodson
- 3rd Mammillaria sp. – Rene Hernandez
- HM Mammillaria spinssa – Horne

Succulent

Intermediate

Small

- 2nd Karl Trisler

Large

- 1st Sedum nussbaumerianvn – Ann Reynolds
- 3rd Aeonium decorum “sun burst” – Karen Roholt

Membership Renewal

It's time to renew your memberships. The dues for **mail** membership are \$35 dollars and **email** membership renewal is \$20 dollars for the year. A membership renewal form is on the last page of this newsletter for your convenience. You can renew your membership with Ann Reynolds by printing a copy of the form from this letter and filling it out completely before you arrive. Please print legibly and bring the correct amount of payment with you to our next meeting or you can mail in your renewal.

Ostler Auction

Saturday, April 15, 2017 Juniper Hills
Community Center
31401 106TH street East
Juniper Hills, CA.

PREVIEW

10:30AM AUCTION BEGINS 11:30AM
THIS IS A PRIVATE AUCTION OF 40+
QUALITY SHOW PLANTS.
CASH OR CHECK ONLY, NO CREDIT
CARDS, NO PHONE BIDS.
NO SHIPPING; PLANTS ARE AS IS
WHERE IS.

DETAILS: 661-944-9844

2017 Upcoming Events

- FEB. 11 SAN DIEGO CACTUS AND SUCCULENT SOCIETY, SPRING SHOW AND SALE
BALBOA PARK, ROOM 101, SAN DIEGO, CA—INFO 858-382-1797
- MAR. 23-25 ORANGE COUNTY CACTUS AND SUCCULENT SOCIETY SPRING SHOW AND
SALE THURS. 23RD 6-8PM---FRI. MAR. 24TH 9-7PM---SAT. MAR. 25TH 9-5
1000 S. State College Bl., (Anaheim United Methodist Church) Anaheim, CA
INFORMATION CALL 562-587-3357
- APR. 8-9 SOUTH COAST CACTUS AN SUCCULENT SOCIETY SHOW & SALE
SOUTH COAST BOTANICAL GARDENS, 26300 CRENSHAW BLVD.,
PALOS VERDES, CA INFO: 310-378-1953 <http://www.southcoastcss.org>
- APR. 23 HUNTINGTON PLANT SALE 10 TO 4:30 HUNTINGTON BOTANICAL
GARDENS, 1151 OXFORD ROAD, SAN MARINO, CA. 626-405-3504
- MAY 6-7 SUNSET CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
VETERANS MEMORIAL CENTER, GARDEN ROOM
4117 OVERLAND AVE., CULVER CITY, CA. INFO. 310-822-1783
- MAY 7 SOUTH BAY EPIPHYLLUM SOCIETY SHOW AND SALE---9am to 4pm
SOUTH COAST BONTANICAL GARDENS, INFO. 310-833-6823
- MAY 12-13 GATES CACTUS AND SUCCULENT SOCIETY 35TH SHOW AND SALE
FRI & SAT 9-4:00 pm, at LAND SCAPES SOUTHERN CALIFORNIA STYLE
450 E. ALESSANDRO BLVD., RIVERSIDE, CA INFO. 951-360-8802
- MAY 20-21 LONG BEACH CACTUS CLUB PLANT SHOW AND SALE 10-4 pm
RANCHO LOS ALAMITOS, 6400 BIXBY HILL ROAD, LONG BEACH, CA
INFO. 562-631-5876

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.

Rebutia

The genus *Rebutia* has grown to swallow *Sulcorebutia* and *Weingartia*. There is no reliable distinguishing characteristic that separates what once were three genera.

Rebutia, *Sulcorebutia* and *Weingartia* were genera from the highlands of Bolivia and Northern Argentina. They are similar in appearance, in habitat and culture. Coming from high altitudes, they are tolerant of cold, and if dry, can be left out in all weather. The populations of all three overlap.

There has been debate almost from initial discovery whether or not *Weingartia*, *Sulcorebutia* and *Rebutia* belong in the same genus. All three genera grow over large altitude ranges, and many species are so variable that collections from nearby populations or even the same population at different times have been given different names. There are far more names than species. The books by John Pilbeam help make sense of the species and varieties, and the New Cactus Lexicon gives the names under which the older species can now be found. Many names have changed multiple times over the years.

Rebutia are easily grown. They are dormant in winter, and start to grow in late March or April. They flower from April through June, with the peak flowering period varying from year to year depending on the weather. Two flowering cycles are common in cultivation in California. The flowers appear in abundance, and vary in color from purple and red through orange to yellow. They do well in normal cactus potting mixes, and grow best with steady fertilization when in active growth. They are attractive to spider mites. Damage can be prevented by frequent inspection, and a weekly, forceful wash down with water.

Many plants eventually get a woody brown growth at the base of the plants, which creeps upward. This is known as creeping crud, and is a fungal disease. It can be avoided by maintaining the plants in active growth. Better yet, small offsets should be periodically used to start new growth. When the creeping crud appears, the plant should be discarded. It just gets uglier as time goes by, and the presence of diseased plants makes it easier for the fungus to grow and spread.

Propagation from offsets is easy. The offsets should be cut off, left to dry for a few days, and then replanted. Very small offsets can be successfully rooted. Seed is easy to germinate, but is short lived.

Selected species (they are all great!)

Rebutia heliosa is an orange flowered form. It clumps rapidly in cultivation with a dark green body, small brown areoles and short whitish spines in a spiral pattern.



Rebutia heliosa

Thanks to Home and Garden.webshots

Rebutia steinmanni '*christinae*', also found as *R. christinae* is from Salta Argentina, and is one of 7 species included in *R. steinmanni*. It has dense off white spines and wonderful red flowers with a yellow center.

Rebutia marsoneri from Jujuy, Argentina is noted for its spectacular golden yellow flowers.

Rebutia pygmaea comes in at least 20 varieties, many of which were originally described as species. Flower color varies over the full range for the genus. It's a challenge to keep some of the varieties small. Easy to grow.

Rebutia (Sulcorebutia) rauschii is known in several forms. The most common is a dark purple bodied form. Second most common is a green bodied form, and the third is a golden spined form. Other forms are also available, but rarely seen. All are slow and beautiful, and harder than most others to keep looking good. All are worth the effort.

Rebutia neocumingii (Weingartia longigibba) is variable, with many great forms. One is shown in the accompanying picture.



Tom Glavich
Janary2010

Miniature Aloes

There are many smallish aloes that grow throughout Africa, Madagascar and the Arabian Peninsula. This month's Mini Show will focus on both pure species and hybrid aloes with rosettes that grow to no more than 10" across. The idea here is to look at the diminutive forms of this wonderful genus of more than 510 species that range in size from 2 inches to several feet across and 40 or more feet high.

Aloes are part of the plant kingdom that are called "monocotyledon". The main meaning for those of us who are not professional botanists is that their initial growth from seed to plant begins with just one leaf poking up through the surface of the soil. This division include all grasses, palms, aloes, agaves and many other plant families. As we will see in this month's program, the definition is obvious to the most casual observer.

Small aloes have always been treasured by collectors. The rosette form of the aloe head is striking in shape and texture. They carry colors from blue to red. Blooms are annual and very showy with flowers born on inflorescences that range in length from a few inches to two feet or more. They may be branched or simple. Aloes tend to bloom in the winter as many of them are native to areas that have winter rainfall. The ones from the very rainy areas of southern Africa and the Arabian Peninsula will bloom in spring and summer.

We grow the miniatures in pots and in the ground. Many of them grow in habitat in grassy areas and as such need some protection from our Southern California summer heat and sun. A little study as to the native habitat will reveal where the best place in the garden is for each species. They thrive in well drained soil and can tolerate a wide range of watering regimens. They will all grow beautifully in a succulent planting with extremely low irrigation.

Aloes are very easy to grow and are generally pest free except for Aloe Mite. It is created by a small bug (the mite) that chews on the tender new growth of the plant and actually changes its DNA so that a cancer-like growth occurs. It is unsightly and causes some damage to the immediate infected area, but usually does not kill the plant. We cut out the obvious infected parts and keep the problem in check. Always clean tools used with a

10% bleach solution, dipping the knife in the solution between each cut.

Their beautiful colors and textures make them perfect targets for people who make new hybrid plants. We all know Kelly Griffin and his current batch of small aloe hybrids. Kelly is the most recent in a long line of hybridizers who are intent on producing new beautiful plants for us to buy.

Some of the small aloes include:

Aloe jucunda: freely branching, forming a beautiful small shrub.



Aloe brevifolia: offsetting to form a clump



Aloe cv. "Blood of the Dragon": one of Kelly's newest hybrids.



Buck Hemenway January 2010



GATES CACTUS & SUCCULENT SOCIETY
New Member / Renewal

Date: _____

Renewal Year: _____

Name: _____

Spouse, S/O: _____

Address: _____

City/State/Zip: _____

Phone: _____

Email: _____

Annual Dues:

\$20 Newsletter delivered by Email

\$35 Newsletter delivered by Mail

\$10 Name Badge

\$ _____ Total Paid

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