



Mammillaria thomberi

Espinas y Flores

The newsletter of the San Diego Cactus and Succulent Society
Affiliated with the Cactus and Succulent Society of America



CSSA affiliate members saw many Mesembs and other cacti and succulents growing inside the Conservatory at Huntington Botanical Gardens during the annual Desert Forum. See the trip report on page 3.
— Chris Miller photo

Winter Show and Sale is February 14, 2015, 9:00 a.m. to 4:00 p.m., Room 101, Prado Building, Balboa Park. See pages 9-11 (online) for show schedule, plant lists, and the flier for the Show and Sale.

****Everyone is invited to bring treats for the Winter Show and Sale, February 14!****

No Coffee in the Garden for February, but March's coffee is being hosted by Leon and Susan LaFreniere, March 8, 11:00 a.m. to 2:00 p.m. They live near the San Diego Zoo Safari Park.

The CSSA Biennial Convention is June 14-19, 2015 at Pitzer College in Claremont, California! See the flyer on page 12 of the online issue.

Don't forget! The March meeting will be the first Sat., March 7, due to a room scheduling conflict!

Happy Valentines Day! **Join the fun at the Winter Show and Sale and fall in love with a new plant!**

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Kelly Griffin
SDCSS President

Kelly Griffin

President's message

Happy New Year everyone! I want to take this opportunity to thank the wonderful fill-in speaker we had in January. He did a terrific job with an outstanding program on some seldom-seen South African plants! Just kidding of course...I had no choice but to fill in, but I was glad to be able to have something interesting to share.

I want to thank Erik Gronberg for his efforts to educate us about the big Euphorbias we can grow in San Diego gardens. It was a nice slide show, and it was a very informative program.

We have much to look forward to this coming meeting ~ our annual Winter Show and Sale.

Please participate! Show your plants! Sell your plants! And help out in any way you can! Remember this is *your* club. Contribute what you can, and if you think something is not being done to your satisfaction, be the force that makes it right!

Bring any plant that you like and that strikes your fancy. We want to see it!

The show is judged in an open fashion, so you may learn and hear all the discussion about what goes into an award-winning show plant.

Please bring boxes! "What kind?" you ask. The kind you would find useful to put plants in that you were buying!

Our Show and Sale is on Valentines day weekend. Last time it fell that way it was a very busy and successful day, not to mention a super day in the park. Be mindful and think about coming early for best parking.

The set up is on Friday, Feb. 13, and the hours are: 5:00 p.m. to 9:00 p.m.

I look forward to seeing all the great plants and your smiling faces at our Winter Show and Sale on February 14th!

— Kelly

Winter Show and Sale Volunteers Needed!

By Susan Hopkins
Volunteer Coordinator

It's almost show time again. In order to have a great and successful show and sale your time and abilities are needed!

From set up on Friday evening to clean-up Saturday afternoon, all of the jobs are important and can be fun and interesting. Security for both the show and sale areas is essential. Sales assistants are needed to keep the sales lines flowing.

To learn how the show plants are judged, being a judges clerk is a great experience.

Bring a dish for the luncheon and win praise for your culinary abilities.

Volunteering is a good way to get to know your fellow club members and make new friends. Support the club by signing up at the January meeting.

Bring boxes, too! Most of those small and medium Amazon boxes that you have stacked up will work great.

News from the Old World Garden at the San Diego Zoo Safari Park

Greetings! We have been delighted by the past month's rain, and the fact that it waits for us to finish planting before it starts.

Many new items have been added: *Euphorbia flanaganii*, various *Sansevierias*, *Aloe thraskii*, and *Aloe marlothii* to name a few. These are filling more of each side of the river bed and the areas along the entrance road to the bridge. The views are terrific.

We sincerely thank **Steve Toth** and **Peter Walkowiak** for their plant contributions.

We are still open to more donations for the Old World Garden, especially aloes. Most areas are home to true species, but we plan on an area for hybrids.

We would also like:

- | | |
|--------------------------------|-----------------------|
| <i>Adansonia (Baobab)</i> | <i>Cotyledons</i> |
| <i>Aloe plicatilis</i> | <i>Dypsis decaryi</i> |
| <i>Aloe dichotoma</i> | <i>Gasteria</i> |
| <i>Bismarkia nobilis palms</i> | <i>Tylecodons</i> |

The first of the plant labels have arrived and have been set out. Now visitors to the park can learn their names more easily.

The December digital version of *Zoonooz* featured aloes just in time for flowering. Go to:

http://issuu.com/sdzglobal/docs/december_2014_zoonooz The article can be found on pages 22-25. Look for a print *Zoonooz* article about the gardens in the months to come.

Story and photos by Susan LaFreniere
Old World Garden Publicist

Many Aloes are flowering and more are on the way. January through March are peak months. Don't miss it!

Come to visit! Come to help out! We normally work Tuesday mornings. Contact info: May Fong Ho 760-233-3948 mayfongho@yahoo.com



(Clockwise from upper left) The Old World Gardens at the San Diego Zoo Safari Park glow in the sunlight. January through March are peak months for blooming Aloes. An *Aloe dichotoma*, sports yellow blossoms. An *Aloe cameronii* is bright red, and the *A. glauca* x *speciosa* shows off red blooms. An *A. arborescens* shows blossoms on tall scapes.

If you missed it!

▶ January 17, 2015: Huntington Botanical Gardens CSSA Desert Forum and Open Conservatory



A seldom-seen *Welwitschia* is surrounded by *Stapelia leendertziae*. — Chris Miller photo

By Chris Miller

Saturday, January 17 was the Huntington Botanical Gardens Annual CSSA Desert Forum. It was a casual day with no speakers, but the Desert Conservatory was open to CSSA affiliate members. It was quite a crush getting through, but well worth it to see the plants and reconnect with old friends. The Desert Garden was spectacular, as always, with lots of Aloes in bloom and even more cactus friends to meet up with.

A 11 a.m. they opened the plant sales area and fun was had by all with everyone taking a box or two home of new plants. I scored a *Fouquieria* hybrid that has pink blooms! It is a cross between *F. purpusii* and *F. macdougalii*. I saw one at the next Convention site and have lusted after it ever since. Also some *Haworthias* and *Gasterias* surprisingly found their way into my box.

The rest of the day was free time to wander in the gardens. I visited the Chinese Gardens, and they have added more buildings since the last time I visited. There wasn't a bad view from any point on the walk. Just beautiful!



(From left) Blooms from *Aloe cryptopoda*, *A. maculata*, and *A. petrophila* were among the many Aloes blooming at Huntington Botanical Gardens. — Kelly Griffin photos



An old *Dioscorea elephantipes* amazed visitors. — Kelly Griffin photo



Another artful and inspiring arrangement of cacti and succulents at the Gardens. — Meg Ryan photo

(Right) Artful arrangements of mature Golden Barrel cacti and agaves inspired visitors. — Meg Ryan photo
(Below) The Chinese Garden is beautiful even in winter. — Chris Miller photo



▶ January 18, 2015: Garden tour report

Coffee at Rick Bjorklund and Kevin Hosmer's garden



Rick and Kevin's front garden is filled with agaves, aloes, and more. — Leslie Sheridan photo



Host Rick Bjorklund chats with a visitor.
— Meg Ryan photo



Rick and Kevin's back garden is filled with hundreds of potted cacti and succulents.
— Leslie Sheridan photo

By Leslie Sheridan

I was really looking forward to this event, as I had not had the opportunity to visit Rick Bjorklund and Kevin Hosmer's home and heard through the grapevine their garden was quite spectacular! I picked up my grandmother, also an enthusiast, and we headed over mid-morning so we would have plenty of time to explore.

Driving down their street, it's easy to pick out the right house! Their front yard is packed with numerous aloes, agaves, and cacti — the variety was amazing. There was a large display of blooms presented on their 'Vulcan's Fire' aloe, and it was a striking contrast to the beautiful Caribbean Copper plant, *Euphorbia continifolia*, which still had many leaves despite our recent cold weather.

Also in glorious bloom were a couple of 'Joe Hoak' agaves with flower stalks ten feet high! As a commercial landscaper, I also appreciated the many beautiful flowering ground covers. Even the Passion flower vine — *Passiflora quadrangularis* — over the front door threshold was thriving and blooming.

Making our way to the backyard, I was struck by the sheer volume of plant material. Everything was beautifully staged on their tiered slope, in the greenhouse, in rocky gardens, or striking pots. There were hundreds of small pots on racks, tagged, and ready for the brag table! Lots of variety — cute little mesembs, *Aloe nobilis* 'variegata' (I love variegated plants), haworthia, more 'Joe Hoak' agave, and one of my favorite discoveries of the day, *Albuca concordiana*, a smoke tree.

They had a beautiful tangerine tree in the middle of the back yard, absolutely loaded with fruit. It is obvious they spend many hours (and dollars!) in the care and beautification of their property. I hope they aren't planning on moving any time soon! There is something for everybody. I enjoyed the meandering paths, allowing visitors to discover hidden displays everywhere you turn. I did mention to Rick I saw a small patch of bare dirt on the upper tier; there's still room for a couple more!

On our way out, there was a grand assortment of sweet treats prepared by Rick — yummy stuff. Needless to say, my grandmother and I thoroughly enjoyed our visit. I'm sure there was a lot of work that went into opening up their garden, but I appreciate the hospitality of Kevin and Rick and look forward to the next coffee in the garden.



(Left) 'Joe Hoak' agave, *Agave parryi truncate*, and *Echinocactus grusonii* 'Golden Barrel'
(Above) *Aloe lutescens*, *Euphorbia continifolia* (Caribbean Copper plant)
(Below) 'David Verity' aloe
— Leslie Sheridan photos



Meet a member!

The multi-faceted Christine Vargas

By Denise Huntsman-Griffin

Christine Vargas has only been with our society for four years, but she has contributed in many ways including being our society's treasurer for two years, handling all of our financials. Being interested in water conversation is what inspired her to join, after which she fell in love with our group, the meeting style, and the academic nature of the speakers. Christine is much more than the retired high school teacher. She has done many interesting things in her life that are worth sharing with you.

Christine's first two years in college were in nursing. While she really loved it, she chose to go into teaching, so she could have more time with her children. She went on to receive a master's degree in health science. She has an interest in anything medical and took classes in phlebotomy and medical technology. She taught for 32 years in the Grossmont High School District teaching health, biology, and sex education. She also taught a six-week course in computer programming when computers first became popular, at the time using cassettes! Christine raises chickens and had used the fertile eggs to teach students about reproduction and development in her biology classes, and she still has the incubator she used. Christine says she truly loved teaching and even taught bilingual biology!

She has a son and a daughter. Her daughter, Diana, has volunteered cashiering for the SDC&SS June sale. She also has a cat named Gracie.

Christine has traveled to Italy, France, Turkey, Spain, Germany, and England and has been all over Mexico, enjoying Oaxaca the most with their arts and crafts. She has a large collection of alebrijes (carved and painted wooden animals) and fabric items. Her favorite alebrije is a large black and white mama pig with four nursing piglets. Her home's décor has a Mexican style including tile from Dolores Hidalgo in the kitchen and bathrooms.

Her next trip is to Chiapa del Corso, San Cristobal de las Casas and Palenque, and she plans to look for agaves in Sumidero Canyon. While teaching, she was granted two National Science Foundation scholarships to South America, one to Brazil and one to Ecuador. In Fortaleza, Brazil she studied the efficiency of the diet of inhabitants of a large fazenda (large feudal-style ranches where the workers are kept in poverty). She spoke Spanish to the families and when needed had a translator help with the Portuguese.

It was shocking for her to see how different their culture was. They married at age 12 or 13 and the average age of death was 47. They



Christine Vargas
— Denise Huntsman-Griffin photo

had little access to birth control, had fifteen kids on average, sometimes not recalling all of their kids' names. Many children died of diarrhea. Their basic diet was vegetable oil, beans, rice and an occasional boa constrictor. They then would take the snake's skin and stretch it and save it. They had no gardens or crafts, and some of the women begged Christine to help them get birth control. It was hard for her to leave them, she said.

Afterwards, she traveled alone south to Iguassu Falls and met some American primatologists from a convention in Brasilia along the way.

In Ecuador she helped collect plants in the rainforest near Quito for a professor at UC Davis. That

was "grueling work" she said. "Slashing the undergrowth with machetes, mucking through the rain, getting every insect bite known to man," she said, but, "I would do it again in a heartbeat!" They also taught a class in a small rural school, donating books and microscopes to them. The school had no books and the students wrote on little chalk boards that they shared with each other.

After this she traveled alone far south to Cuenca. And with the guerrilla threat and kidnapping always being a possibility, she said, "With my blonde hair, I didn't want to alert the Shining Path in Peru!" She also added, "The quinoa fields were "breathtaking!"

After retiring in 2002, she volunteered at the Alpine Community Center and was active on the board and wrote some grants for them. She was also active for many years with the annual Sage and Songbirds Festival (sponsored by the garden group called CHIRP). She took care of the 40 some vendors and did some of CHIRP's publicity. One year, her home and garden (with her lovely *Echeveria*) was on tour.

She also had a successful craft business for about five years (teapots, cups and saucers on a stake for garden art), but she sold it a year ago. She has a mountain of tiles that she's collected to work on mosaic projects.

Even in high school, Christine was active and had many interests. She played violin and viola in the high school symphony, took piano lessons, was a 4-H'er and raised champion Nubian goats, showing them at fairs and milking them twice a day. She finally sold them to the Secretary of Agriculture in Mexico, so they could improve the blood lines in their herd.

Christine loves to teach and learn, and after retirement she took a few classes in horticulture at Cuyamaca College and loved it!



The Vargas greenhouse and back garden are filled with many cacti and succulents.

— Christine Vargas photos

Dioscorea and the birth of the pill

By Art Cooley

At the Christmas auction, one of our members placed the highest bid for any of the plants up for sale. Her successful bid was for a *Dioscorea* whose surface topography reminded her of her pet tortoise. In 1941, a different kind of “bidder” bribed a local Mexican near Orizaba, Mexico, to retrieve his 50-pound root of *Dioscorea* that had disappeared from the top of his bus. The man, Russell Marker, was a research scientist from the U.S. He had trekked to Mexico to find the elusive *Dioscorea*, a Mexican yam called *cabeza de negro*. Marker’s research would help develop an effective contraceptive pill because a basic chemical, diosgenin, was found in *Dioscorea* and was needed to make progesterone...and, hence, the pill.

In the middle decades of the 20th century, a number of scientists were searching for a way to manipulate a woman’s menstrual cycle using hormones. Focusing their attention on progesterone, they discovered that this chemical had two major effects: one, it brought regularity to otherwise irregular cycles and, two, it — in the right doses and at the right time — prevented ovulation. Since contraceptives were illegal in much of the U.S. and were opposed by the Catholic Church, scientists sought approval for their pills, but they did not call them contraceptive pills. Rather, they noted that their pills were important for the first effect, cycle regulators, and ignored mentioning the second, planning pregnancies. They thought, and rightly, that the second effect would travel by word of mouth, and they wouldn’t have to take on the controversial topic of contraception. This tactic passed muster with the FDA which approved progesterone for the first use, regulating menstrual cycles, and ignored the notion that the pills might prevent

ovulation and, thereby, pregnancy.

If wide-selling contraceptive pills were successful, the demand for progesterone would skyrocket. Among the scientists working on developing the pill was that bribing’ chemist, Russell Marker, a professor at Pennsylvania State

College (now Pennsylvania State University). In 1938, Marker found a plant steroid in sarsaparilla, which was chemically similar to progesterone. However, this chemical called “sarsasapogenin” was very expensive. In looking for a cheaper alternative, he was led to “Lydia Pinkhams,” a patent medicine developed in the late 1800s and, the basis for “bawdy ditties” sung in local bars. Japanese scientists had isolated a similar compound from the Lydia Pinkham mixture, and named it diosgenin from a *Dioscorea*. The search for an affordable way to make progesterone was underway.

The next year Marker arranged with his Mexican contact to collect 10 tons of *cabeza de negro* from which Marker extracted diosgenin and converted it to progesterone. His conversion yielded three kilos (6.6 lbs.) of progesterone at \$80 a gram for a total value of \$239,184 in 1942 dollars (\$3.5 million today). By 1946, Marker’s company had found another species of yam (*Dioscorea*) called *barbasco* which contained five times as much



A young *Dioscorea elephantipes* is actively growing in cool weather. Though the leaves are handsome, the caudex on the plant pictured has only a three-inch diameter. A mature specimen at the Huntington Botanical Gardens is pictured on page 3.

— Meg Ryan photos

diosgenin. Meanwhile, G.D. Searle under the direction of Dr. George Pincus, developed a progesterone mimic called norethynodrel. Not to be outdone, Dr. Carl Djerassi developed a similar progesterone mimic called norethindrone. These two chemicals became the basis for most of the contraceptive pills on the market by the 1970s. FDA approval came in 1960...the birth of the pill, Enovid.

And, as they say, the rest is history. Russell Marker must have been pleased with his modest bribe to bring home biosgenin, sequestered in the caudex of a *Dioscorea*.

The successful bidder at the Christmas auction is happily watching her *Dioscorea* send up a new shoot. Little did she know of the hidden chemical which led to transforming women’s lives when she bought her *cabeza de negro*. She has been heard to lament, “Where were those pills when I could have used them?”

(Editor’s note: The author wishes to thank Bev Grant and Christine Vargas for their help editing this story.)

▶ January Brag Table winners!

Judged by Kelly Griffin

CACTUS

Novice

1st Place, Leslie Sheridan – *Uebelmannia pectinifera*

Intermediate

1st Place, Penny Sommerville – *Mammillaria herrerae*

Advanced

1st Place, A. Cardenas – *Stenocereus gummosus*

2nd Place, Peter Walkowiak – *Ariocarpus confusus*

3rd Place, Peter Walkowiak – *Astrophytum crassispinus*



Leslie Sheridan's *Uebelmannia pectinifera*



Penny Sommerville's *Mammillaria herrerae*



Peter Walkowiak's *Astrophytum crassispinus*



Leslie Sheridan's *Echeveria alfredi*

SUCCULENTS

Novice

1st Place, Leslie Sheridan – *Aloe* and *Senecio*

1st Place, Leslie Sheridan – *Echeveria alfredi*

2nd Place, Ed Worth – *Sansevieria* sp.

2nd Place, Sue Thomas – *Aloe parallelifolia*

2nd Place, Jay Crowley – *Gasteria variegata*

3rd Place, Leslie Sheridan – *Gasteria liliputana*

Intermediate

1st Place, Candy Garner – *Massonia pustulata*

1st Place, Bev Grant – *Fenestraria* "Baby Toes"

2nd Place, Penny Sommerville – *Haworthia cuspidata variegata*

3rd Place, Bev Grant – *Dudleya antonyi*

3rd Place, Candy and Jerry Garner – *Aloe descoingsii*



Ed Worth's *Sansevieria* sp.



Jay Cowley's *Gasteria variegata*

Advanced

1st Place, Peter Walkowiak – *Aloe* "Red Ridge"

2nd Place, Jürgen Menzel – *Phyllobolus* sp *fentriete*

3rd Place, Peter Walkowiak – *Pelargonium klinghardtense*

— All photos by Chris Miller



Candy Garner's *Massonia pustulata*



Penny Sommerville's *Haworthia cuspidata variegata*

Want to have
some fun?

Participate in the Brag Table competition! Bring in a potted cactus or succulent and see what happens!



A. Cardenas' *Stenocereus gummosus*



Bev Grant's *Dudleya antonyi*



Jurgen Menzel's *Phyllobolus* sp *fentriete*

Cactus and succulent calendar of upcoming events for 2015

Feb 14: San Diego Cactus and Succulent Society, Winter Show and Sale, Balboa Park, Room 101, San Diego, CA. Info: 858-382-1797.

Mar 27-29: Orange County Cactus and Succulent Society Spring Show and Sale. Friday and Saturday. Mar. 27-28 9 a.m. to 5 p.m. Sunday Mar. 29 Noon to 4 p.m. 1000 S. State College Blvd., (Anaheim United Methodist Church) Anaheim, CA Info: 562-587-3357.

Apr 11-12: South Coast Cactus and Succulent Society Show and Sale, at South Coast Botanic Garden, 26300 Crenshaw Blvd., Palos Verdes, CA Info: 310-378-1953, <http://www.southcoastcss.org>.

Apr 26: Huntington Plant Sale, 10 a.m. to 5 p.m., Huntington Botanical Gardens, 1151 Oxford Road, San Marino, CA. Info: 626-405-2160.

May 3: South Bay Epiphyllum Society Show and Sale, 9 a.m. to 4 p.m. South Coast Botanic Garden, Info: 310-833-6823.

May 2-3: Sunset Cactus and Succulent Society Show and Sale, Veterans Memorial Center, Garden Room, 4117 Overland Ave, Culver City, CA. Info: 310-822-1783.

May 9-10: Long Beach Cactus Club Plant Show and Sale, 10 a.m. to 5 p.m. Rancho Los Alamitos, 6400 Bixby Hill Road, Long Beach. Info: 310-922-6090 or check www.lbcss.org.

May 15-16: Gates Cactus and Succulent Society, 34TH Show and Sale. Fri. and Sat. 9 a.m. to 4:30 p.m., at Land Scapes Southern California Style, 450 E. Alessandro Blvd., Riverside, CA. Info: 951-360-8802.

May 23-24: Central Coast Cactus and Succulent Society Annual Show and Sale 10 a.m. to 4 p.m., Ludwick Center, 864 Santa Rosa, San Luis Obispo, CA. Info: 805-237-2054, www.centralcoastcactus.org.

May 30-31: Los Angeles Cactus and Succulent Society Plant Show and Sale, 5/30 9 a.m. to 5 p.m., 5/31 9 a.m. to 3:30 p.m., Sepulveda Garden Center, 16633 Magnolia Blvd. Encino, CA. Info: www.lacss-show.com.

Jun 6-7: San Diego Cactus and Succulent Society Summer Show and Sale, Balboa Park, Room 101, San Diego, CA. Info: 858-382-1797.

Jun 14-19: CSSA Biennial Convention, Pitzer College, Claremont, CA <http://www.cssainc.org>

Jun 26-28: CSSA Annual Show and Sale, Huntington Botanical Gardens, 1151 Oxford Road, San Marino, CA. 626-405-2160 or 2277, Plant sales start Jun 26 thru Jun 28. The show opens on Jun 27 thru Jun 28.

Jul 24-26: Orange County Cactus and Succulent Society Summer Show and Sale. Fri. Jul 24, 9 a.m. to 5 p.m.; Sat. Jul 25, 9 a.m. to 5 p.m.; Sun 26, noon to 4 p.m., 1000 S. State College Bl., (Anaheim United Methodist Church) Anaheim, CA. Info: 949-212-8417.

Aug. 8-9: 30th Annual Intercity Show and Sale at the L.A. County Arboretum, 9 a.m. to 5 p.m. daily. 301 N. Baldwin Ave., Arcadia, CA. Info: Call Tom Glavich 626-798-2430 or John Matthews 661-714-1052.

Sep 5: Huntington Botanical Gardens Succulent Symposium. All day at the Huntington.

Sep 6: Long Beach Cactus Club Annual Plant Auction, Noon to 5 p.m., Rancho Los Alamitos, 6400 Bixby Hill Road, Long Beach, CA 90615. Info: 310-922-6090.

Oct 24-25: Palomar Show and Sale, Sat. 9 a.m. to 5p.m., Sun. 10 a.m. to 4 p.m., San Diego Botanic Gardens, 230 Quail Gardens RD, Encinitas CA, Info: 858-382-1797 hcservices@gmail.com.

Nov 1-2: San Gabriel Cactus and Succulent Society Show and Sale, 9 a.m. to 4 p.m. both days, LA County Arboretum, 301 N. Baldwin Ave., Arcadia, CA.

Speaker and Event Schedule for SDCSS in 2015

February 14 Winter Show and Valentines Day!

March 7 *** Woody Minnich, Namibia

April 11 Buck Hemenway, Succulent Karoo/ Farewell tour

May 9 Ernesto Sandoval, African Plant Safari/TBD

June 6 & 7 Summer Show and Sale

July 11 Nan Sterman, Succulent Plant Garden Design/TBD

August 8 Matthew Maggio, Cultivation/TBD

Sept. 12 Annual Picnic Location TBD

October 10 Tom Glavich, Succulent Plant Cultivation/TBD

Nov. 7*** Irwin Lightstone, Succulent Plant Photography Exposition/TBD

Dec. 12 Holiday Gathering!

***** Please note, these dates are on the FIRST Saturday of the month due to an unavoidable room scheduling change.**

Winter Cactus and Succulent Show and Sale

Presented by

The San Diego Cactus and Succulent Society

February 14, 2015

10:00 am to 4:00 pm

Room 101 and Adjacent Patio Area

Casa del Prado

Balboa Park, San Diego



Strange and exotic plants from the far corners of
the world gathered together for your viewing
amazement!!

Sale of choice specimen plants for the novice and
collector as well as handmade stoneware planters
and pots!!

Members only shopping from 9 to 10

For additional information visit: www.sdcss.net
Payments now accepted online

SDCSS 2015 Winter Show SCHEDULE, Awards, and Rules

SCHEDULE FOR FRIDAY FEBRUARY 13, 2015

2:00pm to 10:00pm Set up. BRING IN YOUR SHOW PLANTS after 5:00pm

SCHEDULE FOR SATURDAY FEBRUARY 14, 2015

| | |
|--------------------------|---|
| 8:00 a.m. to 10:00 a.m. | Set up, OUT-OF-TOWNERS, BRING IN YOUR PLANTS! |
| 9:00 a.m. to 10:00 a.m. | Sales open to members only |
| 10:00 a.m. | Sales open to public |
| 10:00 a.m. | Show Opens |
| 10:00 a.m. to 11:00 a.m. | Judging, open to the public, show area being judged is closed |
| 4:00 p.m. | Show and sales close |

AWARDS

NOVICE (Fewer than 10 Blue Ribbons won in judged competition. Use new-format PINK entry cards)

Best Cactus
Best Succulent
Best Winter Grower

ADVANCED (10+ Blue Ribbons won in judged competition. Use new-format PURPLE entry cards)

Best Cactus
Best Succulent
Best Winter Grower

BEST OF SHOW (Novice or Advanced)

Certificates showing past winners and a picture of the winning plant will be presented for each award
First, Second, and Third Place Ribbons will be awarded in all categories for both Novice and Advanced entrants.

RULES

- 1) Participants must be members of the SDCSS.
- 2) Entries must be in the possession of exhibitors for at least six months. Plants must be clean, (no weeds or debris), healthy (no insects, disease or pesticide odor) and dry. Plant labels should be removed or hidden. Exhibitors are responsible for placing entry cards with plants prior to judging. The show committee may remove any entry that distracts from or jeopardizes the health of other entries.
- 3) Plants must be individually potted specimens except category #65, Dish Gardens.
- 4) Depending on number of entries, prior to judging, the show committee may combine or divide categories and rearrange entries. The show area will be PARTIALLY closed during judging, on a section-by-section basis. Judging will be open to the public. Plants must remain until end of show.
- 5) Entries are judged on:
 - a) Condition, size, maturity and difficulty of culture: 70%
 - b) Staging - pot, top dressing, arrangement, cleanliness: 25%
 - c) Nomenclature: 5%

Awards are given only if the judges believe they are merited, and all decisions are final.

6) The SDCSS and show committee will take due care to safeguard entries but cannot be held responsible for damage to, or loss of, plants and property.

SDCSS 2015 Winter Show plant divisions

Division 1: Cactaceae

North American Cacti

- 1) *Ariocarpus, Astrophytum*
- 2) *Aztekium, Pelecyphora, Epithelantha, Strombocactus, Obregonia, Encephalocarpus, Ortegocactus*
- 3) *Coryphantha, Escobaria, Neobesseya, Neolloydia, Luechtenbergia*
- 4) *Gymnocactus, Turbinocarpus, Stenocactus*
- 5) *Echinocereus*
- 6) *Echinocactus, Ferocactus, Hamatocactus*
- 7) *Mammillaria*; hooked spines
- 8) *Mammillaria*; straight spines
- 9) *Thelocactus, Sclerocactus, Pediocactus*

South American Cacti

- 10) *Blossfeldia, Frailea, Uebelmannia*

- 11) *Buiningia, Discocactus, Melocactus*
- 12) *Copiapoa*
- 13) *Echinopsis, Lobivia*
- 14) *Eriosyce, Neochilenia, Neoporteria, Pyrrhocactus, Horridocactus*
- 15) *Gymnocalycium*
- 16) *Notocactus, Parodia, Acanthocalycium*
- 17) *Rebutia, Sulcorebutia, Weingartia*
- 18) *Matucana, Submatucana, Oroya, Borzicactus*

Other cacti

- 19) *Ceroids*, columnar types
- 20) *Opuntioides*
- 21) Epiphytic cacti
- 22) Variegates, crests and monstrose
- 23) Other genera

Division 2: Non-Cactus Succulents

Aizoaceae

- 24) *Lithops, Conophytum*
- 25) *Pleiospilos, Titanopsis, Dinteranthus, Faucaria*
- 26) *Mestoklema, Aloinopsis, Trichodiadema*

Asphodelaceae

- 27) *Aloe*
- 28) *Gasteria*
- 29) *Haworthia, Astroloba*

Crassulaceae

- 30) *Cotyledon, Tylecodon*
- 31) *Crassula, Kalanchoe*
- 32) *Dudleya*
- 33) *Echeveria*
- 34) *Pachyphytum, Graptopetalum, Tacitus*
- 35) *Aeonium*
- 36) *Sedum, Adromischus*

Euphorbiaceae

- 37) Leaves, no spines: *decaryi, capsaintemariensis, bupleurifolia*
- 38) Leaves and spines: *milii, gottlebei, viguieri, unispina*
- 39) No leaves or spines: *caput-medusa, inermis, esculenta, obesa*
- 40) Spines, no leaves: *stellispina, horrida, ferox, stellata, clavigera*
- 41) *Monadenium, Jatropha, Pedilanthus*

Geraniaceae

- 42) *Pelargonium*
- 43) *Sarcocaulon*

Apocynaceae

- 44) *Adenium*
- 45) *Pachypodium*

Asclepiadaceae

- 46) *Fockea, Petopentia, Raphionacme*
- 47) *Caralluma, Hoodia, Huernia, Stapelia*

Agavaceae

- 48) *Agave*
- 49) *Nolina, Yucca, Beaucarnea, Calibanus*

Asteraceae

- 50) *Senecio*
- 51) *Othonna*

Bromeliaceae

- 52) *Abromeitiella, Dyckia*

Burseraceae

- 53) *Bursera, Commiphora*

Didiereaceae

- 54) *Alluaudia, Didierea*

Dracaenaceae

- 55) *Sansevieria, Dracaena*

Moraceae

- 56) *Ficus, Dorstenia*

Passifloraceae

- 57) *Adenia*

Portulacaceae

- 58) *Avonia, Anacampseros, Ceraria*

Caudiciforms, Pachycauls, Geophytes

- 59) *Bombax, Cucurbits, Fouquieria, Dioscorea, Pachycormus*
- 60) Other Genera
- 61) Bulbs

Other

- 62) Variegates, crests and monstrose
- 63) Succulent bonsai
- 64) Seed grown by exhibitor, cactus or succulent
- 65) Dish gardens

Prepare to Enjoy!

the 2015 CSSA Biennial Convention
in a setting filled with Succulent Plants



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San Gabriel Valley C&S Society and Gates C&S Society

San Diego Cactus and Succulent Society

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SDC&SS MEMBERSHIP APPLICATION / RENEWAL FORM

Dues are \$15.00 per year per individual, and \$5.00 per year for each additional household member. Newsletter is E-mailed. Mailed paper copies are available for an additional \$10 a year. Each member has all the rights and benefits of the organization.

Annual Dues

(E-mail Newsletter) \$15.00 _____
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 Check ONE for type of membership:
 NEW _____ RENEWAL _____

Member Information:

(Please PRINT to fill in ALL blanks below!!!)

Name: _____

Address: _____

City and State: _____

Zip + 4: _____

Phone Number: _____

Cell/FAX: _____

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Do you wish to receive e-mail notifications of club events and issues?
 Yes _____ No _____

Mail this form or a copy, along with a check or money order payable in U.S. funds to SDCSS to:

SDCSS Membership Dept
c/o Paul Maker
1245 San Pablo Drive
San Marcos CA 92078-4816

(Rev. E-2, 2012-11-13)

Want to help?

Notice: SDCSS is looking for someone willing to manage the fun and interesting Brag Table!

After several years of doing an excellent job, Candy Garner has stepped down. We thank her for all her hard work. Candy was kind enough to develop a job description for the task. **Contact Chris Miller if you are interested.**

Brag Table Job Description

- Create and print signs for three tables for Novice, Intermediate, and Advanced for cactus and succulent entries; (as required)
- Create and print signs of requirements for entries, e.g. must have owned/grown the plant for a minimum of six months or more; (as required)
- Create and print signs for "Please Do Not Touch the Plants"; (as required)
- Create, print, and cut entry forms in green (novice), yellow (intermediate) and blue (advanced); (monthly)

- Create, print, and cut coupons for winners in same colors for 1st, 2nd, and 3rd place for each level's winners; (monthly)
- Deliver monthly coupons to the President prior to the beginning of each meeting; (monthly)
- Provide pens;
- Encourage participation;
- Attend monthly meetings by 10 a.m. to position signs on each of the three tables;
- Collect winning entry forms after winners are announced;
- Create list of winners and plant names* for each level, include the name(s) of the judges, and email to EyF Editor in a timely manner for printing in the following month's newsletter.

Candy has templates for all of the items that need to be printed and is willing to share them with whoever takes over the position.

*Please be advised the plant names are reported by each participant. The plant name may be incorrect, former name, misspelled or the writing may be difficult to read.