



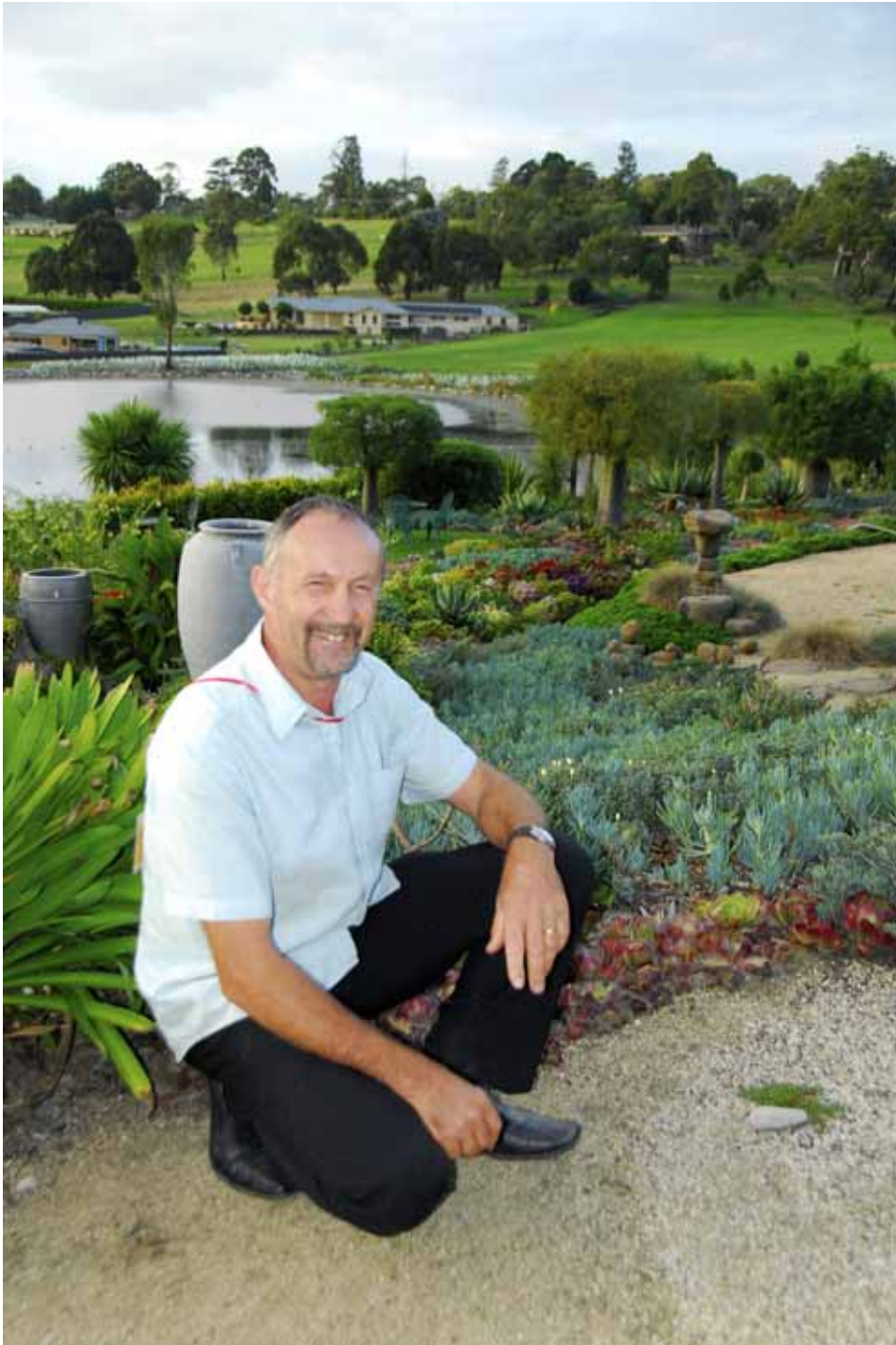
Mammillaria thornberi

Espinas y Flores

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

Volume 49 Number 5

May 2014



Regular Meeting May 10, 2014

1 pm to 4pm

Room 101 the Prado Bldg
Balboa Park

Program

Australian Succulents

Attila Kapitany

Plant of the Month

Copiapoas

Steve Harris

Pre-Meeting Workshop

Staging for the Show

11am to 12

Peter Walkowiak

New Member

Orientation

12:30 at Info Table

Wendy Goldman

The electronic version of the newsletter contains:

- ◆ More Brag Table photos
- ◆ Information on the Summer Show Categories, entry information and show flier
- ◆ Announcements on other events
- ◆ Notice on Cactus Explorer #11

Attila Kapitany in his garden

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President's Message

How does your garden grow? I think that plants just like people relish attention ~ it is just that with cactus and succulents the attention has to be the right amount, the right kind and at the appropriate time. It is time for you to lavish your attention on your show plants and get them clean and ready for the fabulous June show. You know the drill, nicely potted, don't forget the non garish top dressing and make sure they are bug free!

We had another great meeting in April and managed to pack it all in and somehow not run long...Refreshing!

I want to thank Gary James for an enlightening program on Ethiopia. It was a great one for his first ever digital program. Ethiopia is a place I don't think of many of us will get the chance to see so it was a real thrill. I also wish to thank Michael Buckner for his reprise mini talk on the genus *Cussonia*.

We should have some new T-shirts available for purchase by members at our next meeting. The design features an *Agave shidigera* and *Echeveria colorata*. It was created by Laura Hogan who was inspired to create the art after her trip this past year to see these plants growing in the Tequila region in the Mexican state of Jalisco.



Our May program is kind of unique in that the speaker is coming a greater than usual distance.....all the way from Melbourne, Australia. He is a many time published author. He has written several books on the care and growing of Succulent plants also he co wrote a wonderful book on the genus *Copiapoa* with Rudolf Shultz and another one on *Echeveria* cultivars. He has also written a fine reference for Australian Succulents: [Australian Succulent Plants: an Introduction](#). His latest works are a series of Booklets on specific groups of some uniquely Australian plants. He is a spirited, gifted and knowledgeable plantsman and explorer. Please be sure to attend on May 10th to hear Attila Kapitany present a program on Australian succulent plants. Bring your neighbor or friend (or both) It will be great!

I want to close by saying thank you to everyone that contributes their time and efforts to make our society run and run so well each month. We need your help now so please sign up and volunteer for the June show and most importantly follow it up!

See you May 10th!

Kelly G

CSSA Annual Show & Sale Update

Due to a change in policy at the HBG, The CSSA Show & Sale will require a pass for CSSA Affiliate members and CSSA members to gain access to the event for free. Passes will be available at the May meeting. Please go to the membership table to sign up for a pass. For full information on the event go to the electronic version of the newsletter.

Tom Knapik Teaches Us All

By: Denise Huntsman-Griffin



When Tom was just 8 years old and visiting Balboa Park with his family, he told them “I am going to work here someday!” He made that happen with all of his work and contributions to the San Diego Cactus and Succulent Society and the San Diego Bromeliad Society. A member of the SDCSS since 1984, he is now a Life Member. Tom has done a lot for our society through the years and when asked about him, every member echoes that same sentiment. He has been on the Board, the Program Chair, the Newsletter Editor and the Show Chair for 12 years. He has



given numerous Plant of the Month presentations and he was our club President from 1997-1999. I would describe Tom as a teacher, a world traveler, a botanist, a collector, a student and observer of the natural world. One of his high school math students described him as a, “Super awesome guy” and said, “I really enjoy talking with Mr. Knapik,” which is an indication of what a good teacher he is.

Tom was raised with two sisters in upstate New York in a small town called Ballston Spa by his father, a math teacher and his mother, a second grade teacher. His father got him excited about math with his great math books that included math puzzles and art. After his mother had him speak to her second grade class about dinosaurs, as Tom puts it, “The look in their eyes and attention to my every word convinced me that I had found my true calling.” And from the look in his eyes when he’s teaching us something, we know he was right.

Drawn to the Pacific Ocean after watching Jacque Cousteau specials on TV, Tom became a certified SCUBA diver at age 16 and then went to college in 1976 at USD and studied biology and marine science. After transferring to Humboldt State in 1978, he got his BA in biology in 1981. Since obtaining his teaching credential in math and science, he has taught for the last 30 years in San Diego schools, teaching middle school science and high school math including Pre-Calculus, Statistics and Advanced Geometry at Patrick Henry High School. Geometry being his favorite math subject, he also teaches young children in a summer enrichment class called “Hands on Geometry” in a program called Gateways.

Tom enjoys applying geometry to nature. When he was a speaker at the Cactus and Succulent Society of America’s convention in 2011 in San Diego, his presentation was titled, “Geometric Geophytes.” It was so well received that In July 2012, he was asked to give the same presentation to our society. Tom says, “Repeating patterns and structure that can be explained by fractal geometry thrills me. I enjoy sharing this knowledge because each time I speak on the subject; it’s like reliving the thrill of discovery of some inner secret of life.”

Tom became hooked on cacti in 1982 and when he moved back to California in 1984 he started working for David Grigsby who hired him the first day they met to work in his nursery. David let him know about our society, taught him how to graft and shared his library with him. He also worked at C & J nursery one summer where he learned a lot about growing plants.

His travels have taken him to look for and photograph plants in habitat in Chile, Bolivia, Peru, Brazil, Mexico, Venezuela, Costa Rica and the United States. He has visited succulent growers in New Zealand, Australia and the Philippines. He has also visited collections in Austria, Czech Republic, Germany, England, Italy and Thailand. His favorite plants from habitat were the giant light blue mounds of *Copiapoa longistaminea* in Chile and *Discocactus horstii* in Brazil. His most thrilling discoveries were *Cintia knizei* in Bolivia and *Pediocactus peeblesianus* in Arizona. As for growing the plants, Tom says he grows bromeliads well, especially the *Neoregelias*. Some of the cactus he likes to grow are *Astrophytums*, *Ariocarpus’* and *Copiapoas*.

Besides collecting plants, Tom collects antique barbed wire, minerals, fossils, meteorites, coins, stamps, diecast cars, shells, pysanky eggs (a Ukrainian art done on eggs), antique bottles and insulators.

Very fitting to the nature theme of Tom’s life, he met his wife Carol at our plant show and sale in 2007. They married in Yosemite National Park, having a wonderfully intimate ceremony and celebration in the middle of nature, with bears and everything.

Continued on next page...

Tom Knapik Teaches Us All (cont)

We all appreciate having Tom in our society just as his students have enjoyed having him as their teacher. We enjoy his depth of knowledge and childlike excitement about the natural world. He loves teaching us and we love to learn from him. To top all that has been said thus far, he is the nicest guy you'd ever want to meet. We can all learn something from him about being kind to one another. As another one of his high school students said about him, "Knapik is really interesting and super chill."



Copiapoa, The Chilean Survivor

By Steve Harris

I volunteered to do a Plant of the Month on *Copiapoa* and Don Hunt penciled me in for this month. Little did I suspect one of the foremost experts and authors on the subject would be our Featured Presenter for the same month. Attila Kapitany will be speaking on Australian succulents, but is the co-author of 'Copiapoa in their Environment' (1996). I defer all hard questions to Attila!

Copiapoa are native to the province of Copiapo, Chile, which is in the Atacama Desert. This desert is purportedly the driest place on earth due to being in the 'rainshadow' of the Andes. Weather in the Southern Hemisphere generally moves from east to west rather than west to east that we observe here in Southern California. Death Valley is in the rainshadow of the High Sierra, which squeezes moisture out of clouds on the western slopes. The Andes squeeze moisture out on the eastern slopes, and much more efficiently as the Andes are much higher and include the highest peak in the Western Hemisphere.

Copiapoa derive most of their moisture from fog formed by the cold Humboldt Current which passes off-shore. *Copiapoa* are found within 5 km of the coast with a few stragglers further in in favorable spots. Most are solitary but some form clumps which can be quite substantial in size.

Copiapoa were classified in the Nineteenth Century as *Echinocactus*, which means it resembles a hedgehog. Since most ball shaped cactus fit this description, by the end of that century we were up to our field bags in them, from Southern Canada to Chile and Argentina. Botanists started noticing subtle differences in some populations, and an effort was launched in the early 20th Century to break down *Echinocactus* into smaller groups.

Copiapoa as a genus was proposed by Britton and Rose in 'The Cactaceae' (1922) based on research conducted several years earlier by Nathaniel Rose in habitat. 'The Cactaceae' proposed 6 species of *Copiapoa*, plus 4 more "maybes".

Highly variable in nature, the number of accepted species has risen and fallen in recent decades. Attila Kapitany and Rudolf Schultz in 'Copiapoa in their Environment' (1996) included 18 species plus one 'sp. Nova' (newly described). Graham Charles in 'Copiapoa, the Cactus File Handbook No. 4' (1998) lists 13 species, Edward Anderson in 'The Cactus Family' (2001) lists 26 species based on the CITES list at the time and 'The New Cactus Lexicon' (2007) drops the list to 22. Hopefully, DNA research will sort this all out.

Other interesting genera carved out of *Echinocactus* include *Lobivia* (named for Bolivia), *Denmoza* (named for Mendoza province of Argentina), *Gymnocalycium* (naked calyx), *Mammillaria* (because that's what they look like). The only *Echinocactus* species left are the southwestern barrel cactus not included in *Ferocactus* such as *E. grusonii*, the Golden Barrel Cactus.

Please bring boxes to the next meeting

Australian Succulent Plants: an Introduction

A fresh approach to conventional attitudes and ideas about the diversity and beauty of Australian flora. Enjoy a colourful visual tour of lesser known and intriguing Australian native plants, mostly in habitat, some of which are rare and very unusual by Attila Kapitany.

With Australia's natural flora of well over 20,000 species, at least 400 are considered to have a notable degree of succulence.

Covering at least one hundred species from forty genera and touching on some traditional and modern foods, supply and availability, cultivation, conservation and other points of interest. Included are some of the most under-appreciated, diverse, and interesting of Australian plants. The fact that many of them are among the most drought or dry tolerant of all plants, helps link them all together, along with their obvious succulence.



Many of these plants have never been trialled in gardens before. Some interesting aspects of their usefulness in the garden will be explored. Marvel also at the majestic and spec-

tacular giants of our continent—grotesque and monstrous bottle trees and boabs, at times appearing in need of a hug.

Attila is a succulent expert and author of many popular books on the subject will be along with pictures to show, and knowledge to share. Get an autographed copy of some of his publications.



Attila is immediate past president of the Cactus & Succulent Society of Australia with 10 years in this position, and is also currently editor of its journal. He has thirty years of experience growing and marketing cacti and succulents. Attila is also a prominent member of the Horticultural Media in Australia, writing regularly in magazines, journals and newspapers and promoting succulent plants.

He was co-founder and developer of the well-known Collectors Corner and Paradisia nurseries, where his interests focused on the breeding, cultivating and marketing of rare and unusual plants. He has travelled extensively to plant habitats around the world and had amassed possibly one of the largest collections of (mostly seed-raised) plants in Australia. Also, Attila has co-written seven books with Rudolf Schulz about succulents, with an eighth book a solo effort on Australian native species. His newest publications are a series of seven booklets on xerophytic Australia plants.



Since 2007 Attila has dedicated much of his time and resources to promoting our lesser known Australian succulent plants, touring the Australian speaking circuit regularly and featured on television and radio.

We have Attila's books in our library. If you have some of them, bring them so he can sign them for you





CSSA Journal Vol 86-2

Imagine a flower that provides its own perch for visiting birds. That may be what the stretch of empty inflorescence, at the tip of *Aloe ribauensis* inflorescences, is for. This new species, described by McCoy, Rulkens & Baptista features on the cover of the *Journal* vol. 86-2. This volume is always eagerly awaited, for it also contains this year's listing of plants offered by International Succulent Introductions, in the article by John Trager. Duke Benadom's Superb Succulents features two species which are pretty high on the wish-list of most collectors; one is even available from ISI this year. Peter Breslin and Davide Donati provide a detailed look at one of Baja's rarer and little know Opuntiads, *Corynopuntia robertsii*. It has been speculated that this plant is of hybrid origin, but you will have to decide for yourself. Happily, travelling and working in Uganda is much safer than it has been in decades past, which enabled Tom Forrest to describe a new species, *Sansevieria newtoniana*, in honor of Prof. Len Newton. Finally, *Opuntia diploursina*, a new species from the Arizona-Nevada border, is described by Stock, Hussey & Beckstrom. Its name derives from the fact that it resembles the shaggy *Opuntia ursina*, but has double the number of chromosomes.

If your last name starts with A through M please bring a snack to share for the next meeting.

Cactus & Succulent Calendar of Upcoming Events for 2014

May 4: South Bay Epiphyllum Society Show And Sale--9am To 4pm, South Coast Botanical Gardens, Information Call-310-833-6823

May 3-4: Sunset Cactus And Succulent Society Show And Sale, Veterans Memorial Center, Garden Room 4117 Overland Ave, Culver City, Ca. Info. 310-822-1783

May 16-17: Gates Cactus And Succulent Society 33rd Show & Sale Fri & Sat 9-4:30 Pm Info. At Land Scapes Southern California Style, 450 Alessandro Blvd. Riverside CA Info951-360-8802

May 17-18: Long Beach Cactus Club Plant Show & Sale, 10am-5pm, Rancho Los Alamitos, 6400 Bixby Hill Road, Long Beach, For Info. Call 310-922-6090 —www.lbcss.org

May 24-25: Central Coast Cactus & Succulent Society Annual Show & Sale (10-4pm), Ludwick Center, 864 Santa Rosa, San Luis Obispo, Ca – Info. 805-237-2054, www.centralcoastcactus.org

June 7-8: San Diego Cactus And Succulent Society Summer Show And Sale, Balboa Park, Room 101, San Diego, Ca. Info: 858-382-1797

June 14-15: Los Angeles Cactus and Succulent Society Plant Show and Sale. 14th 9–5, 15th 9-3:30 Sepulveda Garden Center, 16633 Magnolia Blvd. Encino CA. Info: www.lacss-show.com

June 27-29: CSSA Annual Show and Sale—Huntington Botanical Gardens 1151 Oxford Road, San Marino CA. 626-405-2160 or 2277. Plant Sale June 27-29, Show June 28-29

July 25-27: Orange County Cactus and Succulent Society Summer Show and Sale. Friday July 25 9am-5pm. Saturday July 26 9am-5pm, Sunday July 27 12-4pm. Anaheim United Methodist Church, 1000 S. State College Blvd., Anaheim CA Info call 949-212-8417

April 2014 Brag Table Winners

Judged by Michael Buckner & Kelly Griffin

CACTUS

Novice

- 1st Place, Deya Wilson – *Gymnocalicium*
- 2nd Place, Jay Crowley – “Rat Tail Cactus”
- 3rd Place, Wayne Dameron – *Mammillaria* sp (39 years old)



Intermediate

- 1st Place, Candy & Jerry Garner – *Copiapoa marginada*
- 2nd Place, Candy & Jerry Garner – *Mammillaria nejapensis*
- 3rd Place, Penny Sommerville – *Ortegacactus macdougalii*



Advanced

- 1st Place, Phyllis Flechsig – *Mammillaria hahniana*



SUCCULENTS

Novice

- 1st Place, Jacalyn Rynicki – Dish Garden
- 2nd Place, Deya Wilson – *Euphorbia obesa*
- 3rd Place, Jay Crowley – *Agave* ‘Snow Glow’

Intermediate

- 1st Place, Bev Grant – *Euphorbia esculenta*
- 2nd Place, Penny Sommerville – *Pseudolithos migiurtinus*
- 3rd Place, Bev Grant – *Discorea elephantipis*

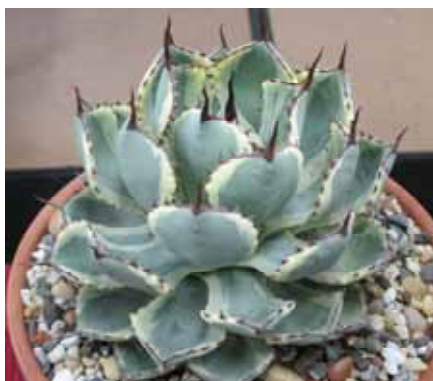


Advanced

- 1st Place, Phyllis Flechsig – *Haemanthus deformis*
- 2nd Place, Phyllis Flechsig – *Aloe porphyrostachys*
- 3rd Place, Mark Fryer – *Lavrania haagneri*



Submitted by Candy Garner



Brag Table Page 2 Plants From 'Under the Sea'



While editing the Brag Table photos I was struck by the Under the Sea theme and just went with it, dividing the pictures up. I love the fact that our plants look so alien and otherworldly. Thanks to all who brought plants to share.
Chris Miller

CSSA Annual Show & Sale Update

The recent changes to the Huntington Botanical Gardens admission policy to our annual Show & Sale will require all the Affiliate clubs to disseminate the following guidelines to gain access to the event. This event will no longer be free to the public without paying the general admission fee. However, all CSSA members, Affiliate club members, vendors and show participants/volunteers will have free entrance as follows:

1. If the club issues badges, these **MUST** be worn.
2. The HBG has issued Special CSSA passes, good for 3 days, June 27-29, 2014. These passes are being sent to each Affiliate club via their respective CSSA Rep. to be handed out at the monthly club meetings between now and the Show. One pass per member, please.
3. Clubs that do not issue name badges must have this special pass to get in for free.
4. If you are planning to attend the show on more than one day protect the pass by keeping it in a plastic protector that can be worn on a lanyard around the neck or pinned to one's shirt. If attending only one day, remove the back paper & stick on shirt.
5. There will be no CSSA registration table at the entrance as there was last year, so it is essential that club members have their passes before arriving at the HBG.
6. These passes are for CSSA Affiliate clubs only, not for other garden clubs.

I have enclosed a small number of passes in each of the Affiliate packets that were mailed to each club. I would like to request that each club President and/or Affiliate Rep be responsible for signing up those members who plant to attend the Show & Sale. Let me know how many more passes you will need based on sign-ups. Remember that some club members belong to more than one club, but need only one pass.

The HBG Membership Dept., not the Botanical Division, who has been gracious hosts to us, decided upon the new policy. Thank you in advance for your cooperation. My contact information is below. We are in need of volunteers to assist the cashiers or to help in the show area, even for a few hours. If you are coming to the show, please consider helping out. You will receive a show T-shirt as a thank you.

Barbara Hall, Show Chair e-mail lbcjhall@aol.com 818-368-6914



Terry and Collette Parr running the Benefit Drawing.. Please thank them for providing such a wonderful service to our organization.

2014 Cactus and Succulent Show and Sale

Presented by

The San Diego Cactus and Succulent Society

June 7th & 8th

At **Balboa Park** in

The Casa Del Prado Building

Show: Room 101, Sat June 7, 10 to 3, Sun June 8, 10 to 4

Sale: Courtyard, Sat June 7, 10 to 5, Sun June 8, 10 to 4
SDCSS Members only shopping Sat Jun 7, 9am to 10am

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



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

Potting service will be available along with cultural information
See a great selection of “water wise” plants for landscaping.



For additional information visit: www.sdcss.net

If you have trouble finding a parking spot, use the **Balboa Park TRAM**. The free tram provides access to Balboa Park’s museums and attractions. You can park in the Inspiration Point lot and wait at Tram Central, a shady arbor with benches. The tram will deliver you to the heart of Balboa Park. Trams pick up every 8 to 10 minutes. Riders may also board at one of the designated pick-up areas around the Park. The tram operates seven days a week from 8:30 am to 6:00 pm.

SAN DIEGO CACTUS & SUCCULENT SOCIETY'S ANNUAL SHOW & SALE, JUNE 7 & 8, 2014 Show Rules

Read the Entry Notes below the Plant Entry Classification Schedule. The show is open to anyone who grows succulent plants. There is no limit to the number of entries per class or the number of classes entered, though no entry can be entered in more than one class. All property shall be marked with the owner's name, not visible to the judges. The exhibitor must have grown the plant for at least six months.

All entries must have properly filled entry cards and must be entered in the appropriate Division and Class to be eligible for awards. Exhibitors are responsible for placing these items with their entries. For the best plant grown from seed, the exhibitors must have raised the plant themselves. Plants may be species or hybrids. Hybrids may be exhibited in the class of either parent. Grafted plants will be accepted in any class, though awards for grafts will be selected from Division IV.

Entries must be clean, healthy (pest-free) and dry. Remove Plant Name Tags in pots (except for collections and displays). Awards must remain with exhibits until the close of the show. Classes with few entries may be combined; classes with too many entries may have a Class C added. The show committee reserves the right to reject plants or exhibits and to readjust entries for the good of the show. Show hours must be followed. The San Diego Cactus and Succulent Society will exercise due caution in safeguarding exhibits. However, SDCSS cannot assume responsibility for loss of property. Entries are judged against perfection. The judges' decisions are final. In the case of disputes and/or ties, the Show Chair(s) or, if the Chair's plants are involved, the Head Clerk shall make the final decision.

TROPHIES AND PLAQUES are perpetual, except the educational and novice awards. First, second and third place ribbons will be awarded in each class; however, should the judges feel that a first, second, or third place is not merited, no awards will be given. To receive the CSSA Award, two or more educational displays must be entered. Judges, Club President, and Show Chairman will each award two Rosettes to their favorite plants.

PLEASE NOTE THAT NEW PLANT TAGS ARE BEING USED. PICK THEM UP AT THE MAY MEETING OR JUNE SHOW

ENTRY NOTES: PLEASE USE THE MOST CURRENT CLASSIFICATION SCHEDULE. Classes 1-125 are divided into two pot sizes: **A and B** (**A** = 5 inches and under; **B** = over 5 inches – measurements are of the **maximum** inside dimension). Note that **one** plant per container is allowed in these classes.

Three categories for competing entries are as follows: **GREEN** cards for exhibitors that have won 10 or less blue ribbons in a recognized cactus and succulent show. **YELLOW** cards are for participants that have won more than 10 blue ribbons. **BLUE** cards are for commercial exhibitors and those that want to compete against them. Awards will be selected from any category. **WHITE** cards are for plants entered non-competitively, for show only.

CACTUS

- Best Cactus Phillip Corliss Plaque
- Best Novice Cactus SDCSS Plaque
- Best *Epiphytic* Cactus Plant William & Ruth Nelson Trophy
- Best *Mammillaria* Elibet Marshall Trophy
- Best *Opuntieae* James & Shirley Berry Trophy

OTHER SUCCULENTS

- Best Succulent Ruby Falk Plaque
- Best Novice Succulent SDCSS Plaque
- Best *Agave* Doris Rake Plaque
- Best *Aloe* Barbara Jeppe Trophy
- Best *Bursera* Jeff Harris Trophy
- Best *Echeveria* Oliver & Sophie Loyland Trophy
- Best *Euphorbia* Russell & Lydia Evans Cup
- Best *Mesem* Samuel & Adela Markey Trophy
- Best *Pelargonium* or *Sarcocaulon* Wilna Johnson Trophy
- Best *Sansevieria* Richard G. Latimer, Sr. Trophy

CACTI OR SUCCULENTS

- Best Baja Plant Richard G. Latimer, Jr. Memorial Trophy
- Best Graft Bob & Suzanne Taylor Trophy
- Best Mexican Plant in Show Dudley B. Gold Trophy
- Best Plant Grown From Seed Tegelberg Family Plaque
- Best San Diego County Succulent Julianne Rice Trophy
- Best Miniature Monte & Mary Woodworth Plaque
- Best *Pachycaul* or *Caudiciform* H. Warren & Virginia Buckner Trophy
- Best Succulent Bonsai Rudy & Teresita Lime Trophy
- People's Choice Award Rose D'Attilio Memorial Plaque

DISPLAYS, EXHIBITS AND HIGH POINTS

- Best Educational Display CSSA Award
- Best Exhibit Reuben Vaughan Plaque
- Most Artistic Display Walter & Hazel Scott Plaque
- High Points 25 or fewer entries SDCSS Plaque
- High Points 50 or fewer entries James & Shirley Berry Trophy
- Sweepstakes Trophy Ronald & Marcia Monroe Trophy

Set-up times: Fri. June 6, 12 - 8 and Sat. June 7, 7 - 8:30 AM *for out of town participants only*

Show times: Sat. June 7 10 - 3 Sun. June 8, 10 - 4 Sales times: Sat. June 7, 10 - 5, Sun. June 8, 10 - 4

Special SDCSS Members-Only Sale: Sat. June 7, 9 - 10

AUCTION

Members may submit plants to an Auction to be held Sunday June 8 at 2pm. 75% of the proceeds will go to the Greenhouse Fund at the Safari Park, 25% to the donor. Entries accepted till noon Sunday.

JUDGING SCALE - SPECIMENS, COLLECTIONS AND DISPLAYS

Condition 70%, Staging 15%, Size & Maturity 10%, Nomenclature 5%

EDUCATIONAL DISPLAY

Two or more entries must be exhibited for CSSA award. Educational Value 80%, Staging & Originality 20%

AWARDS POINT SYSTEM

Divisions I, II and IV, 1st-3 pts., 2nd-2 pts., 3rd-1 pt., Division III, 1st-7 pts., 2nd-5 pts., 3rd-3 pts. Division V, 1st-12 pts., 2nd-10 pts., 3rd-8 pts.,
Plaques and Trophies: 10 pts. Honorable Mention Awards receive no points, are used only as tie-breakers

SHOW COMMITTEE

Show Chair: Peter Walkowiak; **Head Clerk:** Susan Hopkins; **Luncheon:** Pam Badger;
Sales Chair: Chris Miller

THE SAN DIEGO CACTUS AND SUCCULENT SOCIETY

P. O. Box 33181, San Diego, California 92163-3181, is a public service and educational (nonprofit tax exempt) organization.

Your donations are graciously accepted.

★ DIVISION I - CACTI	
# South American Cacti	
1	<i>Frailea, Blossfeldia, Cintia</i>
2	<i>Uebelmannia, Buiningia</i>
3	<i>Parodia</i>
4	<i>Notocactus</i>
5	<i>Gymnocalycium - solitary</i>
6	<i>Gymnocalycium - clumping</i>
7	<i>Rebutia</i>
8	<i>Sulcorebutia</i>
9	<i>Lobivia</i>
10	<i>Echinopsis</i>
11	<i>Weingartia, Soehrensia</i>
12	<i>Melocactus, Discocactus</i>
13	<i>Neoporteria, Neochilenia, Eriosyce</i>
14	<i>Copiapoa</i>
15	<i>Matucana, Oroya, Denmoza</i>
16	Tube Flowered Ceroids: <i>Arrojadoa, Cleistocactus, Oreocereus, Espostoa, etc</i>
17	Wide Flowered Ceroids: <i>Trichocereus, Pilocereus(most)</i>
18	Opuntiods: <i>Tephrocactus, Pterocactus, Quiabentia, Maihue- nia</i>
# North American Cacti	
19	<i>Echinocereus - pectinate spines</i>
20	<i>Echinocereus - straight spines</i>
21	<i>Turbinocephalus, Gymnocalycium, Neolloydia</i>
22	<i>Pediocactus, Sclerocactus, Ancistrocactus</i>
23	<i>Thelocactus</i>
24	<i>Coryphantha, Escobaria, Acharagma</i>
Genus Mammillaria	
25	Subgenuses <i>Mammilloidya, Mammillopsis, Cochemia</i>
26	Subgenuses <i>Oehmea, Dolichothele</i>
	Subgenus <i>Mammillaria</i>
27	Series <i>Longiflorae</i>
	Series <i>Ancistracanthae</i>
28	Groups <i>Tetrandra, Guelzowiana, Grahamii, Dioica</i>
29	Groups <i>Barbata, Zephyranthoides</i>
30	Series <i>Proliferae, Decipientes, Heterochlorae</i>
31	Series <i>Sphacelatae, Leptocladodae, Polyedrae</i>
32	Series <i>Lasiacanthae</i>
33	Series <i>Polyacanthae</i>
34	Series <i>Supertextae</i>
35	Series <i>Leucocephalae</i>
	Series <i>Stylothelae</i>
36	Group <i>Bombycina</i>
37	Groups <i>Crinita, Oteroi, Glassii</i>
	Series <i>Mammillaria</i>
38	Groups <i>Heyderi, Magnimamma, Brandegeei</i>
39	Groups <i>Mammillaris, Pettersonii, Standleyi, Compressa, Sonorensis, Petrophila</i>
40	<i>Ariocarpus</i>
41	<i>Obregonia, Strombocactus, Aztekium, Epithelantha, Pelecyphora</i>
42	<i>Astrophytum</i>
43	<i>Ferocactus</i>
44	<i>Hamatocactus, Leuchtenbergia</i>
45	<i>Echinocactus</i>
46	<i>Stenocactus, Echinofossulocactus</i>
47	Wide Flowered Ceroids: <i>Cephalocereus, Pachycereus, Peniocereus, Wilcoxia, etc</i>
48	Opuntiods: <i>Opuntia, Cylindropuntia</i>
# Other Cacti	
49	Epiphytic Cacti - <i>Selenicereus, Aporocactus, Epiphyllum, Rhipsalis, etc</i>
50	<i>Pereskia</i>
51	Crested Cacti
52	Monstrose Cacti
53	Variegated Cacti

★ DIVISION II - SUCCULENTS	
# Euphorbias - African	
54	<i>Esula</i> group: <i>balsamifera, lambii, autropurpurea, etc</i>
55	<i>Treisia</i> group: <i>gariepina, hamata, halleri, lignosa, etc</i>
56	Geophytes, deciduous stems and leaves: <i>trichadenia, bogensis, etc</i>
57	Geophytes, deciduous leaves: <i>tuberosa, primitifolia, selenifolia, crispa, etc</i>
58	<i>Pseudoeuphorbia</i> group: <i>bupleurifolia, clava, hallii, loricata, etc</i>
59	<i>Medusae</i> , Western cape: <i>flavarioides, flavanagii, pugniiformis, etc</i>
60	<i>Medusae</i> , Eastern cape: <i>inermis, esculenta, caput-medusae</i>
61	<i>Medusae</i> , persistent peduncle: <i>pentops, suppressa, decepta, arida, etc</i>
62	<i>Pseudomedusae</i> : <i>multiramosa, namaquensis, fasciculata, schoenlandii, etc</i>
63	<i>Dactylanthus</i> group: <i>globosa, polycephala, etc</i>
64	<i>Meleuphorbia</i> group: <i>suzannae, obesa, meloformis, tubiglans</i>
65	<i>Anthacantha</i> group: <i>ferox, horrida, enopla, stellaespina, etc</i>
66	<i>Grandifoliae</i> group: <i>neritifolia, unispina, poissonii, etc</i>
67	<i>Scolopendriaceae</i> group, capsules not extruded: <i>clavigera, groenewaldii, aeruginosa, buruana, etc</i>
68	<i>Scolopendriaceae</i> group, extruded capsules: <i>stellata, fanshawei, knuthii, etc</i>
69	<i>Trigona</i> and <i>Polygonae</i> groups: <i>trigona, canariensis, grandicornis, heterochroma, fruticoso, columnaris</i>
70	<i>Triacanthium</i> and <i>Tetracanthium</i> groups: <i>ballyana, glochidiata, subsalsa, ellenbeckii, etc</i>
# Euphorbias - Madagascar	
71	<i>Lacanthus, lophogona</i> group: <i>lophogona, pachypodioides, etc</i>
72	<i>Lacanthus, milii</i> group: <i>milii, beharensis, horombensis, genoudiana, etc</i>
73	<i>Lacanthus, viguieri</i> group: <i>viguieri, neohumbertii, etc</i>
74	<i>Pedilanthioides</i> and <i>Perrieri</i> groups: <i>croizatii, didiereoides, pedilanthioides, etc</i>
75	<i>Ankarensis</i> group, with caudex: <i>cylindrifolia v. tuberosa, decaryi v. tuberosa, francoisii, primullifolia, etc</i>
76	<i>Ankarensis</i> group, prostrate stems: <i>decaryi v. decaryi, decaryi v. spirosticha, cylindrifolia v. cylindrifolia, etc</i>
77	<i>Ankarensis</i> group, shrub type: <i>millotii, moratii, ankarensis, capsaintemariensis, etc</i>
78	<i>Bossier</i> group: <i>bossier, platyclada, hedyotoides, etc</i>
79	<i>Tirucalli</i> group: <i>tirucalli, stenoclada, leucodendron</i>
Euphorbias - New-World	
80	<i>Agaloma</i> group: <i>miseria, antisiphilitica, weberbaueri, xantii</i>
# Other Euphorbiaceae	
81	<i>Monadenium</i>
82	<i>Jatropha, Pedilanthus</i>
Crassulaceae	
83	<i>Kalanchoe</i>
84	<i>Cotyledon, Tylecodon</i>
85	<i>Crassula, Adromischus</i>
86	<i>Aeonium, Sedum, Sempervivum, etc</i>
87	<i>Pachyphytum, Graptopetalum, Tacitus, etc</i>
88	<i>Echeveria</i>
89	<i>Dudleya</i>
# Liliaceae	
90	<i>Aloe</i> , African: <i>variegata, melancantha, dorothea, striata</i>
91	<i>Aloe</i> , Madagascar: <i>conifera, haworthioides, capitata, etc</i>
92	<i>Aloe</i> hybrids
93	<i>Gasteria, Astroloba</i>
94	<i>Haworthia</i>
95	<i>Sansevieria</i>

96	<i>Agave, Yucca</i>
97	<i>Beaucarnea, Calibanus, Dracaena</i>
# Aizoaceae	
98	<i>Lithops, Conophytum, etc</i>
99	<i>Argyroderma, Aloinopsis, Pleiospilos, Fenestraria, etc</i>
100	<i>Mestoklema, Trichodiadema, etc</i>
# Asclepiadaceae	
101	<i>Caralluma, Huernia, Stapelia, Hoodia, Pseudolithos, etc</i>
102	<i>Hoya, Ceropegia, Cynanchum, Sarcostemma, etc</i>
103	<i>Fockea, Raphionacme, Petropentia, etc</i>
# Apocynaceae	
104	<i>Adenium</i>
105	<i>Pachypodium, Africa</i>
106	<i>Pachypodium, Madagascar</i>
107	<i>Adenia</i>
108	<i>Portulacaceae:</i> <i>Portulacaria, Ceraria, Anacamperos, Avonia, Talinum, etc</i>
109	<i>Didiereaceae:</i> <i>Alluaudia, Didierea, Decarya, etc</i>
110	<i>Asteraceae:</i> <i>Senecio, Othonna,</i>
111	<i>Geraniaceae:</i> <i>Pelargonium, Sarcocaulon</i>
112	<i>Vitaceae:</i> <i>Cissus, Cyphostemma</i>
113	<i>Moraceae:</i> <i>Ficus, Dorstenia</i>
114	<i>Fouquieria</i>
115	<i>Cucurbitaceae:</i> <i>Ibervilla, Gerrardanthus, Kedrostis, Seyrigia, Xerosicyos, etc</i>
116	<i>Bromeliaceae:</i> <i>Deuterochonia, Dyckia, Hechtia, etc</i>
117	<i>Pachycaulis</i> , New World: <i>Bursera, Pachycormus, Bombax, etc</i>
118	<i>Pachycaulis</i> , Old World: <i>Commiphora, Adansonia, Operculicarya</i>
119	<i>Caudiciforms</i> and <i>Geophytes:</i> <i>Ipomoea, Dioscorea, Sinningia, etc</i>
120	Orchids
121	Bulbs
122	Crested Succulents
123	Monstrose Succulents
124	Variegated Succulents
125	Cycads
★ DIVISION III - COLLECTIONS AND ARRANGEMENTS	
# Collections*	
126	Cacti
127	Succulents
# Arrangements**	
128	Dish Gardens
129	Anything Goes***
★ DIVISION IV - SPECIALTIES, COMBINING CACTI AND SUCCULENTS	
130	San Diego County Succulent
131	Baja Succulent
132	Mexican Succulent
133	Grafted Succulent
134	Seed grown by exhibitor
135	Miniature, less than 3 inches
136	Winter Show mini pots
137	Succulent bonsai
★ DIVISION V - DISPLAYS	
138	Displays and Exhibits
★ DIVISION VI - ART	
139	Paintings
140	Photography

* Collections - A set of 6 - 10 different specimens that are related by a common theme, genus, form, color or other character
 ** Arrangements - The combining of one or more plants for a scene or theme
 *** Anything Goes - The creative use of succulent plants,

Alpha Class List

Family, Genus, Species	Class	Family, Genus, Species	Class	Family, Genus, Species	Class	Family, Genus, Species	Class
Adromischus	85	Ceropegia	102	Espositoa	16	Euphorbia halleri	55
Blossfeldia	1	Cintia	1	Euphorbia aeruginosa	67	Euphorbia hallii	58
Buiningia	2	Cissus	112	Euphorbia ankarensis	77	Euphorbia hamata	55
Decarya	109	Cleistocactus	16	Euphorbia antisiphilitica	80	Euphorbia hedyotoides	78
Euphorbia lophogona	71	Commiphora	118	Euphorbia arida	61	Euphorbia horombensis	72
Acharagma	24	Copiapoa	14	Euphorbia autropurpurea	54	Euphorbia horrida	65
Adansonia	118	Coryphantha	24	Euphorbia balsamifera	54	Euphorbia inermis	60
Adenia	107	Cotyledon	84	Euphorbia beharensis	72	Euphorbia lambii	54
Adenium	104	Crassula	85	Euphorbia bogensis	56	Euphorbia leucodendron	79
Aeonium	86	Crested Cacti	51	Euphorbia bossier	78	Euphorbia lignosa	55
Agave	96	Crested Succulents	122	Euphorbia bupleurifolia	58	Euphorbia loricata	58
Alluaudia	109	Cycads	125	Euphorbia buruana	67	Euphorbia meloformis	64
Aloe capitata	91	Cylindropuntia	48	Euphorbia capsaintemariensis	77	Euphorbia milii	72
Aloe conifera	91	Cynanchum	102	Euphorbia caput-medusae	60	Euphorbia millotii	77
Aloe dorothea	90	Cyphostemma	112	Euphorbia clava	58	Euphorbia misera	80
Aloe haworthioides	91	Denmoza	15	Euphorbia clavarioides	59	Euphorbia moratii	77
Aloe hybrids	92	Deuterochonia	116	Euphorbia clavigera	67	Euphorbia multiramosa	62
Aloe melancantha	90	Didierea	109	Euphorbia crispa	57	Euphorbia namaquensis	62
Aloe striata	90	Dioscorea	119	Euphorbia croizatii	74	Euphorbia neohumbertii	73
Aloe variegata	90	Discocactus	12	Euphorbia cylindrifolia v. tuberifera	75	Euphorbia neriifolia	66
Ancistrocactus	22	Displays and Exhibits	138	Euphorbia cylindrifolia v. tuberifera	75	Euphorbia obesa	64
Anything Goes	129	Dorstenia	113	Euphorbia cylindrifolia v. cylindrifolia	76	Euphorbia pachypodioides	71
Aporocactus	49	Dracaena	97	Euphorbia decaryi v. tuberosa	75	Euphorbia pedilanthioides	74
Ariocarpus	40	Dudleya	89	Euphorbia decaryi v. decaryi	76	Euphorbia pentops	61
Arrojadoa	16	Dyckia	116	Euphorbia decaryi v. spirosticha	76	Euphorbia platyclada	78
Astroloba	93	Echeveria	88	Euphorbia decepta	61	Euphorbia poissonii	66
Astrophytum	42	Echinocactus	45	Euphorbia didiereoides	74	Euphorbia polycephala	63
Aztekium	41	Echinocereus - pectinate spines	19	Euphorbia enopla	65	Euphorbia primifolia	57
Baja Succulent	131	Echinocereus - straight spines	20	Euphorbia esculenta	60	Euphorbia primulifolia	75
Beaucarnea	97	Echinofossulocactus	46	Euphorbia fasciculata	62	Euphorbia pugniformis	59
Bombax	117	Echinopsis	10	Euphorbia ferox	65	Euphorbia schoenlandii	62
Bulbs	121	Ephytic Cacti	49	Euphorbia flanaganiai	59	Euphorbia selenifolia	57
Bursera	117	Epiphyllum	49	Euphorbia francoisii	75	Euphorbia stellaespina	65
Cactus Collection	126	Epithelantha	41	Euphorbia gariepina	55	Euphorbia stenoclada	79
Calibanus	97	Eriosyce	13	Euphorbia genoudiana	72	Euphorbia suppressa	61
Caralluma	101	Escobaria	24	Euphorbia globosa	63	Euphorbia suzannae	64
Cephalocereus	47			Euphorbia groenewaldii	67		

Alpha Class List

Family, Genus, Species	Class	Family, Genus, Species	Class	Family, Genus, Species	Class	Family, Genus, Species	Class
Euphorbia tirucalli	79	Mamm. Group Compressa	39	Matucana	15	Raphionacme	103
Euphorbia trichadenia	56	Mamm. Group Crinita	37	Melocactus	12	Rebutia	7
Euphorbia tuberosa	57	Mamm. Group Dioica	28	Mestoklema	100	Rhipsalis	49
Euphorbia tubiglans	64	Mamm. Group Glassii	37	Monadenium	81	San Diego County Succulent	130
Euphorbia unispina	66	Mamm. Group Grahamii	28	Monstrose Cacti	52	Sansevieria	95
Euphorbia viguieri	73	Mamm. Group Guelzowiana	28	Monstrose Succulents	123	Sarcocaulon	111
Euphorbia weberbaueri	80	Mamm. Group Heyderi	38	Neochilenia	13	Sclerocactus	22
Euphorbia xantii	80	Mamm. Group Magnimamma	38	Neolloydia	21	Sedum	86
Ferocactus	43	Mamm. Group Mammillaris	39	Neoporteria	13	Seed grown by exhibitor	134
Ficus	113	Mamm. Group Oteroi	37	Notocactus	4	Selenicereus	49
Fockea	103	Mamm. Group Petrophila	39	Obregonia	41	Sempervivum	86
Fouquieria	114	Mamm. Group Pettersonii	39	Operculicarya	118	Senecio	110
Frailea	1	Mamm. Group Standleyi	39	Opuntia	48	Senecio	110
Gasteria	93	Mamm. Group Tetrancistra	28	Orchids	120	Seyrigia	115
Genus Mammillaria	25-39	Mamm. Group Zephyranthoides	29	Oreocereus	16	Sinningia	119
Gerrardanthus	115	Mamm. Groups Sonorensis	39	Oroya	15	Soehrensia	11
Graptopetalum	87	Mamm. Series Ancistracanthae	28-29	Pachycereus	47	Stapelia	101
Gymnocactus	21	Mamm. Series Decipientes	30	Pachycormus	117	Stenocactus	46
Gymnocalycium - clumping	6	Mamm. Series Heterochlorae	30	Pachyphytum	87	Strombocactus	41
Gymnocalycium - solitary	5	Mamm. Series Lasiacanthae	32	Pachypodium, Africa	105	Succulent Collection	127
Hamatocactus	44	Mamm. Series Leptocladodae	31	Pachypodium, Madagascar	106	Succulent bonsai	137
Haworthia	94	Mamm. Series Leucocephalae	35	Paintings	139	Sulcorebutia	8
Hechtia	116	Mamm. Series Longiflorae	27	Parodia	3	Tacitus	87
Hoodia	101	Mamm. Series Mammillaria	38-39	Pedilanthus	82	Tephrocactus	18
Hoya	102	Mamm. Series Polyacanthae	33	Pediocactus	22	Thelocactus	23
Huernia	101	Mamm. Series Polyedrae	31	Pelargonium	111	Trichocereus	17
Ibervillea	115	Mamm. Series Proliferae	30	Pelecypora	41	Trichodiadema	100
Ipomoea	119	Mamm. Series Sphacelatae	31	Peniocereus	47	Turbinocarpus	21
Jatropha	82	Mamm. Series Stylothelae	36-37	Pereskia	50	Tylecodon	84
Kalanchoe	83	Mamm. Series Supertextae	34	Petopentia	103	Uebelmannia	2
Kedrostis	115	Mamm. Subgenus Mammillaria	27-39	Photography	140	Variiegated Cacti	53
Leuchtenbergia	44	Mamm. Subgenuses Cochemiea	25	Pilocereus	17	Variiegated Succulents	124
Lobivia	9	Mamm. Subgenuses Dolichothele	26	Portulacaceae	108	Weingartia	11
Maihuenia	18	Mamm. Subgenuses Mammillopsis	25	Pseudolithos	101	Wilcoxia	47
Mamm. Group Barbata	29	Mamm. Subgenuses Mammilloidya	25	Pterocactus	18	Xerosicyos	115
Mamm. Group Bombycina	36	Mamm. Subgenuses Oehmea	26	Quiabentia	18	Yucca	96
Mamm. Group Brandegeei	38						

Mammillaria Classes

Species	Class	Species	Class	Species	Class
pondii ssp. maritima	25	schieddeana ssp. dumetorum	32	tezontle	29
pondii ssp. setispina	25	schieddeana ssp. giselae	32	theresae	27
poselgeri	25	schumannii	29	thornberi	28
pottsii	31	schwarzii	30	thornberi ssp. yaquensis	28
prolifera	30	scrippsiana	39	toalensis	31
prolifera ssp. arachnoides	30	sempervivi	35	uncinata	38
prolifera ssp. texana	30	senilis	25	varieaculeata	31
rekoii	33	scheldonii	28	vetula	30
rekoii ssp. aureispina	30	sinistrohamata	36, 37	vetula ssp. gracilis	30
rekoii ssp. leptacantha	33	solisioides	32	voburnensis	31
rettigiana	36, 37	sonorensis	39	voburnensis ssp. eichlamii	31
rhodantha	30	sphacelata	30	wagneriana	38
rhodantha ssp. aureiceps	30	sphacelata ssp. viperina	30	weingartiana	36, 37
rhodantha ssp. fera-rubra	30	sphaerica	26	weisingeri	30
rhodantha ssp. mccartenii	30	spinosissima	33	weisingeri ssp. apamensis	30
rhodantha ssp. mollendorffiana	30	spinosissima ssp. pilcayensis	33	winterae	38
rhodantha ssp. pringlei	30	spinosissima ssp. tepoxtlana	33	winterae ssp. aramberri	38
roseoalba	38	standieyi	38	wrightii	29
saboae	27	stella-de-tacubaya	36, 37.7	wrightii ssp. wilcoxii	29
saboae ssp. goldii	27	supertexta	34	xaltianquensis	33
saboae ssp. haudeana	27	surculosa	26	xaltianquensis ssp. bambusiphila	33
sanchez-mejoradae	32	tayloriorum	39	zeilmanniana	36, 37
sortorii	31	tepexicensis	27	zephyranthioides	29
scheinvariana	36, 37	tetrancistra	29	zuberlae	30
schieddeana	32				

Volunteers—Summer Show



The Summer Show is here again. To ensure that it will be a success we need you to volunteer your services. For new members this is a great way to get to know your fellow club members. It is also a good learning experience. All of the jobs are important. We always need folks to work Show are and Sales area Security. The sales team also needs helpers, if only to bag/box plants after they've been sold. Being a Judges Clerk, you learn what the judging criteria are and how the show plants are judged. Clean-up after the show closes Sunday afternoon needs to be done too.

So please stay an extra hour and help with that. It is a long two day show so please volunteer a couple of hours on either day.

Thank You.
 Susan Hopkins
 Volunteer Coordinator



It's Echinocereus blooming time. Take the time to look for blooms

Mammillaria Classes

Species	Class	Species	Class	Species	Class
albicans	28	estebanensis	28	lenta	32
albicoma	30	evermanniana	38	limonensis	36, 37
albiflora	32	fittkaui	36, 37	lindsayi	39
albilanata	34	flavicentra	34	longiflora	27
albilanata ssp. oaxacana	34	formosa	35	longiflora ssp. stampferi	27
albilanata ssp. reppenhagenii	34	formosa ssp. microthele	35	longimamma	26
albilanata ssp. tegelbergiana	34	formosa ssp. psuedocrucigera	35	luethyi	32
amajcensis	35	frailiana	28	magallanii	32
angelensis	35	gasseriana	36, 37	magnifica	33
anniana	36, 37	geminispina	35	magnimamma	38
armillata	36, 37	geminispina ssp. luecocentra	35	mainiae	29
aureilanata	32	gigantea	38	mammillaris	39
backebergiana	33	glassii	36, 37	marcosii	36, 37
backebergiana ssp. ernestii	33	glassii ssp. ascensionis	36, 37	marksiana	39
barbata	29	glochidiata	36, 37	mathildae	36, 37
baumii	26	goodridgei	28	matudae	33
beneckeii	26	grusonii	38	mazatlanensis	28
berkiana	36, 37	grahmii	28	mazatlanensis ssp. patonii	28
blossfeldiana	29	guelzowiana	29	melaleuca	26
boscana	36, 37	guerreronis	33	melanocentra	38
ssp. eschauzieri	36, 37	guillauminiana	36, 37	melanocentra ssp. linarensis	38
bocensis	39	haageana	34	melanocentra ssp. rubrograndis	38
boelderiana	39	haageana ssp. acultzingensis	34	mercadensis	36, 37
bombycina	36, 37	haageana ssp. conspicua	34	meyranii	33
boolii	28	haageana ssp. elegans	34	microhelia	31
brachytrichion	36, 37	haageana ssp. san-angelensis	34	miegiana	38
brandegeei	38	haageana ssp. schmollii	34	meiheana	31
brandegeei ssp. gabbii	38	hahniana	35	moelleriana	36, 37
brandegeei ssp. gloreosa	38	hahniana ssp. bravoae	35	morganiana	35
brandegeei ssp. lewisiana	38	hahniana ssp. mendeliana	35	muehlenpfordtii	35
candida	25	hahniana ssp. woodsii	35	multidigitata	29
canelensis	39	halbingeri	34	mystax	31
capensis	28	halei	25	nana	36, 37
carmenae	32	heidiae	29	nana ssp. duwei	36, 37
carnea	31	hernandezii	27	napina	27
carretii	26	herrerae	32	nazasensis	36, 37
cerrabola	29	heyderi	38	neopalmeri	36, 37
chionocephala	35	heyderi ssp. gaumeri	38	nivosa	39
cauhuilensis	38	heyderi ssp. hemisphaerica	38	nunezii	33
cauhuilensis ssp. albiarmata	38	heyderi ssp. macdougalii	38	nunezii ssp. bella	33
columbiana	34	heyderi ssp. meiacantha	38	orcuttii	38
ssp. yucatanensis	34	huitzilopochtli	34	orteroi	36, 37
compressa	39	huitzilopochtli ssp. niduliformis	34	parkinsonii	35
compressa ssp. centralifera	39	humboldtii	32	pectinifera	32
Species	Class	Species	Class	Species	Class
crinita	36, 37	hutchisoniana	28	peninsularis	39
crinita ssp. wildii	36, 37	hutchisoniana ssp. louisae	28	pennispinosa	36, 37
crucigera	34	insularis	28	perbella	35
crucigera ssp. tlalcoii	34	jaliscana	36, 37	perezdelarosae	36, 37
decipiens	30	jaliscana ssp. zacatecasensis	36, 37	petrophila	38
decipiens ssp. albescens	30	johnstonii	38	petrophila ssp. arida	38
decipiens ssp. camptotricha	30	karwinskiana	31	petrophila ssp. baxteriana	38
deherdtiana	27	karwinskiana ssp. beiselii	31	patterssonii	39
deherdtiana ssp. dodsonii	27	karwinskiana ssp. collinsii	31	phitauniana	28
densispina	31	karwinskiana ssp. nejapensis	31	picta	30
dioica	28	klissingiana	35	picta ssp. viereckii	30
discolor	30	kraehenbuehlii	31	pilispina	30
dixanthocentron	34	lasiacantha	32	plumosa	32
duoformis	33	lasiacantha ssp. egregia	32	polyedra	31
elongata	31	lasiacantha ssp. hyalina	32	polythele	30
elongata ssp. echinaria	31	loui	32	polythele ssp. durispina	30
eriacantha	33	loui ssp. dasycantha	32	polythele ssp. obconella	30
erythrosperma	36, 37	loui ssp. subducta	32	pondii	(over) 25

Number 11 of the Cactus Explorer

is ready to download free from:

[http://jwf.r.mailjet.com/redirect/mnc8tk0wsd56zwsfk46sjc/
www.cactusexplorers.org.uk/journal1.htm](http://jwf.r.mailjet.com/redirect/mnc8tk0wsd56zwsfk46sjc/www.cactusexplorers.org.uk/journal1.htm)

Sorry that this issue is later than planned. I have been helping a friend to set up a new business.

We welcome articles about hunting for plants, reviews of genera or species, historical literature, and pictures of unusual plants in culture.

Best wishes from England in Spring sunshine!

Graham Charles

You will be advised of future editions. No.12 is planned for June 2014.

Help Wanted: In order to run an organization the size of SDCSS we need lots of volunteers. It is a great way to get to know other people in the organization and to give back to SDCSS. We have several positions that need you.

We are forming a Committee for the Sale to help spread the work and responsibility. The following openings are available:

Box Czar: to round up boxes and manage their availability during the event

Sale Security Chair: to manage the volunteers providing security to the sale

Signage Chair: to develop and post signs for the sale

Sales Volunteer Chair: to recruit and manage the volunteers working the sale

These people plus Jim DeForest as Cashier Team Chair and Chris Miller as Vendor Liaison and Committee Chair will form the committee.

The SDCSS Board received many suggestions after the last sale. While the sale was a success with outstanding sales, we can always improve the experience for our members and customers. This committee will work to make that happen. Contact Chris Miller if you are interested.

Be sure to sign up for helping out at the Show and Sale. Every bit helps!



Sales area discussions are always the best.



Australia photos by Kelly Griffin

Central Coast Cactus & Succulent Society's Eighth Annual Show & Sale



Memorial Day

Weekend

Saturday 5/24

10:00 - 5:00

Sunday 5/25

10:00 - 4:00



Visit our website for
more information

centralcoastcactus.org

CCCSS meets on the 2nd
Sunday of each month at

Odd Fellows Lodge
520 Dana St., SLO

Free plant for first-time visitors.

FREE ADMISSION

- Unusual, rare and hard-to-find specimen plants along with traditional favorites
- Knowledgeable growers and experts
- Streamlined checkout
- Pottery by local artists designed for succulents
- Helpful and cheerful CCCSS volunteers
- **Special auction of show-quality specimens on Sunday at 2:00 pm**

Ludwick Community Center

864 Santa Rosa Street, San Luis Obispo

Corner of Mill Street



THE 2ND ANNUAL SUCCULENT CELEBRATION AT WATERWISE BOTANICALS JUNE 6-7

North San Diego County's Waterwise Botanicals nursery will host the spectacular two-day event, Succulent Celebration, on Friday and Saturday, June 6-7, 2014.

This one of a kind event in Southern California celebrates the versatility, sustainability, and beauty of succulents. Come to Waterwise Botanicals to enjoy a kaleidoscope of color, creation, and education on drought tolerant landscaping, and living art at its best.

Also featured is the exciting reinvention of Garden Design magazine and its creators.

The superior lineup of speakers includes best-selling author and photojournalist Debra Lee Baldwin; plant explorer and hybridizer Kelly Griffin of Altman Plants; Peter Loyola of Oceanside's Succulent Café; Robin Stockwell, owner of Succulent Gardens in Northern California, and Tom Jesch of Waterwise Botanicals.

All are invited to experience "the best garden event of the year" with acres of nursery and display gardens to explore, hands-on workshops, a grand assortment of succulents and low-water plants for sale, the chance to speak with industry experts, arts and crafts vendors with succulent-themed gifts, food trucks and more.

Hours 9:00am to 5:00pm both days. Free parking and admission. Event details can be seen at www.succulentcelebration.com

Waterwise Botanicals, established in 2010, is a 20+ acre wholesale/retail nursery located in the rolling hills of Escondido, in North County San Diego. Just off Interstate-15 northwest of the highway at 32183 Old Hwy 395 Escondido, CA 92026

Waterwise Botanicals

www.waterwisebotanicals.com

32183 Old Hwy 395
Escondido, CA 92026
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