



*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 5A June 2014

## SDCSS 2014 Cactus and Succulent Show and Sale

June 7<sup>th</sup> & 8<sup>th</sup>

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



#### Included in this Special Edition

- ◆ A call for more volunteers
- ◆ A Request to bring boxes
- ◆ Show information
- ◆ May's Brag Table results
- ◆ Other announcements

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## President's Message

What a great turn out for a fantastic speaker! Attila Kapitany did not disappoint with his overview of Australian succulents. He made the long flight here and is just today heading back home. I really enjoyed the look into the succulent world down under. I was hoping for the *Copiapoa* mini talk too but due to a technical glitch, we will have to revisit that one in the coming months.

For our Monthly meetings, we all need to remember to help out with the refreshments. It was a little skimpy this last month. It can be something healthy but lets all be sure to bring plenty of cookies :-). Ok Ok just bring something alright?

Less than two weeks to go until our big Show! We need everyones participation and help. **Please, please please, if you have helped in the past, continue to do so. If not please do!** Bring your show plants and your talents too! Volunteers....???? you bet! See Chris or Susan or I

We have a need for **boxes** which always seem to run short. Please bring um!

I wish you all the best and see you June 7th & 8th!!!

Kelly G

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## Auction

On Sunday afternoon at 2 we will have an Auction in the Patio in front of room 101. We already have a handful of plants donated by Beverly Kirkegaard, but we need many more. Please bring your auction plants on Friday or Saturday. We will have a space in room 101 to display them. There will be someone there to register your plant(s).

Proceeds from the Auction will go towards building a new greenhouse at the San Diego Zoo's Safari Park that will support the Old World Succulent Gard and the Baja Garden that are maintain by SDCSS Volunteers.

Be sure to come out on Sunday and bid on something new for you collection

### Note:

Peter Walkowiak has decided to only bring about 1/3 the number of plants he normally brings. In order to make up the number of entries, if everyone would bring an extra 5 or 10 show plants we will fill the show up and make it as memorable as ever. Now is your chance to share you wonderful plants with all of us. As Elibet Marshall would say "take a walk through your growing area and listen. Your plants will call out saying 'take me, take me' with great enthusiasm." So bring a few more and help us make this the best show ever!

Chris miller

New SDCSS t-shirts will be available at the Summer Show and Sale along with the other older shirts still available. We will also have hats and visors for sale.



## Volunteers for the Show and Sale

We had lots of wonderful members sign up at the last two meetings. I am still in need of several more volunteers. We can't put on an event of this scope without the people to make it flow smoothly. I need Sales Clerks. The job entails using the scanner and pulling plants out of boxes and putting them in boxes. Training on the job is pretty straight forward. On Saturday morning we want all five registers serving our customers so please let me know if you have time.

Security is also another area where we will need more help, especially Saturday until around 2. We will be rerouting the checkout line around the sale and need several more people to cover security in that area.

Sunday sign ups are light and we could use more people there as well. Help in the kitchen both days will help. Also clean up at the end of the day on Sunday. We have a requirement to get out of room 101 before 6 so another group can come in and use the space.

The shade cloth team will need some help putting up the new configuration on Friday morning. Come around 9 to help. We will also need some help to take it down Sunday evening.

Please contact Chris Miller at [c.miller@cox.net](mailto:c.miller@cox.net) if you are interested in volunteering. We will require you to have badges for entry to the area before 9 am on Saturday. I need names to put on those badges before Thursday

A Friend that Kelly and Attila found on there adventure last month



**Please remember to bring a dish or dessert to support Pam Badger in the kitchen on Saturday and/or on Sunday.**

### Cactus & Succulent Calendar of Upcoming Events for 2014

**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](http://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

**August 9-10:** 29th Annual Intercity Show & Sale at the LA County Arboretum, 0am-5pm daily. 301 N. Baldwin Ave, Arcadia CA. Info call Tom Glavich 626-798-2430 or John Matthews 661-714-1052

**August 30th:** Huntington Botanical Gardens Succulent Symposium. All day at the Huntington

# April 2014 Brag Table Winners

Judged by Attila Kapitany

## CACTUS

### Novice

1st Place, Debra Titus – *Mammillaria fragilis*

2nd Place, No entry form

3rd Place, Deya Wilson – *Echinopsis crest*

### Intermediate

1st Place, Alison Bladwin – *Pterocactus tuberosa*

2nd Place, Candy & Jerry Garner – *Gymnocactus gielsdorfianus*

3rd Place, Jennifer Harris – *Tricocereus pachanoi*

### Advanced

1st Place, Peter Walkowiak – *Gymnocalycium*

2nd Place, Mark Fryer – *Aztekium hintonii*

3rd Place, Peter Walkowiak – *Mammillaria baumii (surculosa)*

## SUCCULENTS

### Novice

1st Place, Jay Crowley – *Euphorbia stenoclada*

2nd Place, Sue Thomas – *Aloe 'Park Avenue'*

3rd Place, No entry form

### Intermediate

1st Place, Candy & Jerry Garner – *Sarcocaulon vanderietiae*

2nd Place, Candy & Jerry Garner – *Pachypodium gracilius*

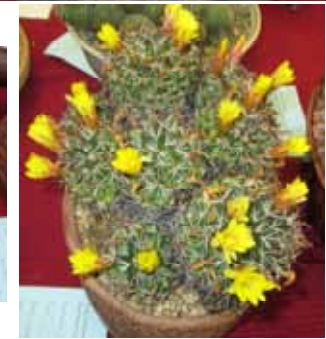
3rd Place, Jennifer Harris – *Echeveria 'Red Rain'*

### Advanced

1st Place, Rudy Lime – *Pachypodium "Rudy Lime"* (*succulentum* x 'arid lands')

2nd Place, Peter Walkowiak – *Jatropha cathartica*

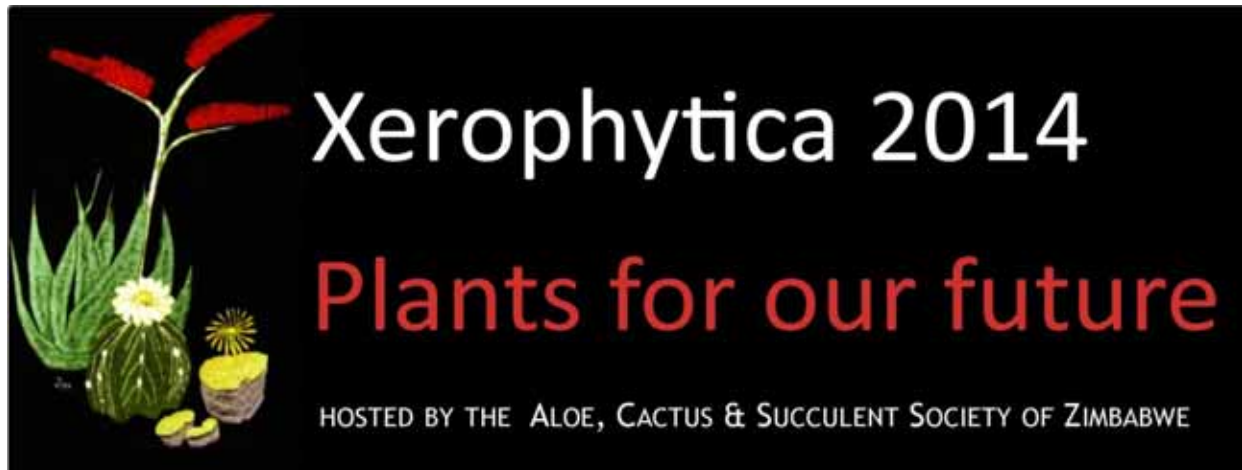
3rd Place, Mark Fryer – *Edithcolea grandis*



Submitted by  
Candy Garner



# Announcement



The Aloe, Cactus and Succulent Society of Zimbabwe has in the past organized two highly successful international congresses: Aloe 75 and Aloe 88. Some 25 years have passed since our last such event, and, returning to our educational mandate, the Society is now organizing a new international event. Our theme is: ***Xerophytica—Plants for our future.***

The African/Madagascan region is home to more than half of the world's succulent plant species. Humanity has been fascinated by succulents for millennia—for their medicinal and cosmetic uses, the colour they bring to landscapes, and the scientific questions they raise. More recently, succulents have also attracted the serious interest of collectors, and they are playing an increasingly important role in horticulture and landscaping, particularly with changing climatic patterns.

The congress will serve three main purposes: 1) to report on recent research and update scientific information; 2) to popularize succulents—broadly defined—as plants for both the home gardener and the commercial grower, and 3) to examine issues around the sustainable use of southern African flora and raise awareness of the threats to species survival posed by habitat loss. And, of course, for many there will be the enjoyment of renewing old acquaintances. The presentations—all accompanied by visual illustrations—will stretch across plant scientists worldwide, naturalists, serious hobbyists, plant photographers, plant breeders, landscapers, and others.

The formal programme will take place in Harare on Friday and Saturday, 20 and 21 June. Optional post-congress tours begin on Sunday, 22 June with a picnic outing to the Ewanrigg Botanic Garden, gifted to Zimbabwe by Harold Basil Christian. On the Monday, there will be a full-day 4x4 trip to the Great Dyke, an area known for its diverse flora and home to Zimbabwe's signature *Aloe ortholoba*—and many other succulents. The remainder of the week will be filled with a 4x4 tour to the Eastern Highlands and/or southeast Zimbabwe depending upon the preferences of participants. Possibilities include the Bvumba Botanic Garden and the Chimanimani Mountains, where we feel sure there are species yet to be identified, and the drier habitats south of Chipinge. For our international participants, the Society is happy to assist you in arranging pre- or post-congress visits to popular destinations, such as Great Zimbabwe and Victoria Falls.

It has been far too many years since a congress of this nature was organized in Zimbabwe. We hope that you will be able to participate.

Preregistration and prepayment of congress fees are required. Full details and registration forms will be found on the Society's website and Facebook pages.

**The Aloe, Cactus and Succulent Society of Zimbabwe**  
**PO Box CY300, Causeway, Harare, Zimbabwe**  
**aloe143@gmail.com**

## 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 plan 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

**The reception table at the SDCSS Show and Sale will have passes for this event. Please see the volunteers there to sign up.**

# 2014 Cactus and Succulent Show and Sale

Presented by

*The San Diego Cactus and Succulent Society*

## June 7<sup>th</sup> & 8<sup>th</sup>

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](http://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, 1<sup>st</sup>-3 pts., 2<sup>nd</sup>-2 pts., 3<sup>rd</sup>-1 pt., Division III, 1<sup>st</sup>-7 pts., 2<sup>nd</sup>-5 pts., 3<sup>rd</sup>-3 pts. Division V, 1<sup>st</sup>-12 pts., 2<sup>nd</sup>-10 pts., 3<sup>rd</sup>-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>Turbincarpus, Gymnocactus, Neolloydia</i>
22	<i>Pediocactus, Sclerocactus, Ancistrocactus</i>
23	<i>Thelocactus</i>
24	<i>Coryphantha, Escobaria, Acharagma</i>
Genus <i>Mammillaria</i>	
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	<i>Geophytes</i> , deciduous stems and leaves: <i>trichadenia, bogensis, etc</i>
57	<i>Geophytes</i> , 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. tuberifera, 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, Anacampteros, 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>Pachycauls</i> , New World: <i>Bursera, Pachycormus, Bombax, etc</i>
118	<i>Pachycauls</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
Decaryia	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 crispera	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 pentstemonifolia	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 flanaganiae	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	herreriae	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. macdougallii	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	25



## **THE 2<sup>ND</sup> 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](http://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](http://www.waterwisebotanicals.com)

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