

Volume 44 Number 5

July 2009

ESPINAS Y FLORES

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



**Program: Gary James
“Chile’s Fog Shrouded Coastal Deserts and
High Altitude Cacti”**

Plant of the month: Stan Yalof on Hallucinatin’ Cacti

**Saturday, July 11, 1:00pm
Casa Del Prado, Room 101**

PRESIDENT'S MESSAGE

Wow! Wow! Wow! Which is what I said all the way home from the show and sale the 7th of June. What a great weekend. An excellent show, a great sale, wonderful weather, and an incredible group of volunteers makes for a very smooth-flowing weekend. Thirty four Vendors shared their plants, pots and books and Mr. Fertilizer was there to share his information. An event like this is impossible to do if one of the elements is missing and hard to do if one of the elements does not work well. In this case everything worked well and we all had a good time doing it!

Without our vendors we would not be able to bring in the great speakers at our meetings, our Holiday party would be a potluck and our library wouldn't exist. And the dues would have to go up. So thank you to all our vendors. The diversity of plants and pots made the shopping easier and harder, depending on how much control the buyer was trying to use. I just gave up and picked up what I wanted, budget be damned!



Some of the wonderful plants on sale!

Photo by Collette Parr

Without our volunteers it would be impossible to have such an event. From Friday's set up through breakdown on Sunday evening we had lots of help. The Demeritt Family was there in full force this year. Laura has been given a clean bill of health and we couldn't be happier. As usual they were the first there on Friday and the last to leave on Sunday. Tom and his crew set up the shade cloth and the canopies on Friday, which left much less to do Saturday morning. The tables arrived on time



Volenteers at work! Photo by Collette Parr

On the cover: *Copiapoa krainziana* from San Ramone Quebrada, Chile
by Kelly Griffin

Many thanks to the security team that worked from 8 to 10 in the sales area. We still don't have it perfect but we came close. So far I have only heard positive comments from both vendors and members about the hour of members only shopping Saturday morning. It held the early crush off for another hour, allowing the vendors to be fully set up, relaxed and ready for the day. We also pulled in over 30 new members over the weekend, most due to the one hour of special shopping. Hopefully the new members will come to our meetings and find out what a great organization this is!

Peter Walkowiak was also first there and last out along with Inacia and Judy. They were still hauling plants out when I left on Sunday. As usual Peter brought a truck load of incredible plants to the show. While all the plants at the show were great and I spent some time just walking through and enjoying them, the thing that excited me the most was that we had 27 different people enter plants in the green - Novice - category. Three of them volunteered with me at the Wild Animal Park and I am so proud that they chose to enter plants this year. In all 65 members showed plants this year (some of them are couples so the number is actually larger). So about 1/5th of our membership participated in the show. That is a wow on it's own!

The kitchen team leaders, Pam Badger and Carol Jean Wolcott did a great job holding down the most important job – feeding us. They could have used a little more help and we will work on that next time. They fed us breakfast and lunch both days and Pam handled the Judge's Dinner Saturday night. To add complexity to the situation she also fed the CSSA Board on Sunday.

The CSSA held their quarterly Board Meeting in Room 104 on Sunday. The main reason for holding the meeting here and not at the Huntington at the end of June was to try out the Convention hotel and see how we operated during our show and sale. Since we kicked butt, they were impressed with the show and sale. I also heard favorable reports on the hotel from some of the board members. Dick sent the following note:

"I want to thank the San Diego Cactus and Succulent Society for hosting the CSSA Board Meeting and providing us with a wonderful assortment of foods for breakfast and lunch. It was certainly appreciated. What a wonderful setting you have for your show and sale. The show was wonderful and I had a chance to enjoy the success of growers in your area. I am jealous of the kinds of plants you can grow in the San Diego area and I suppose there are some of your folks that envy the Tucson growing conditions.

You had a wonderful group of sellers and a lot of plants that I don't usually see in Tucson so I really enjoyed it. I am sorry I was not able to buy a lot but I will be back.

Thanks again for your hospitality.

Dick Wiedhopf, President, Cactus and Succulent Society of America"

The May meeting was great. Peter Walkowiak gave a staging demonstration that had us all on the edge of our seats and continued all the way through the break. We will try to start doing workshops before the meeting on these kinds of

topics so everyone can learn. Anyone want to volunteer to set them up? Andrew Wilson took us back to Argentina with a look at plants, geography, the native people and beer. It was most enjoyable and very different. Speaking of something entirely different, you need to be at the July meeting and be surprised by Joe Kraatz.

In closing I'd like to thank all the volunteers again. I'm sorry I don't have all your names in the message, but there wasn't room. One volunteer needs to be called out. Ed Case met me at my car on Friday and made sure that my plants got into the building. He also made sure that my truck was loaded on Sunday. In between he was everywhere helping everyone. If you don't know who Ed Case is, find him at the meeting. If you do know him, thank him for his wonderful support. Thank you all for making this a great organization to be part of.

Chris Miller, June 26, 2009

PROGRAM NOTES

Our speaker this month is Gary James, a world traveler, who will tell us about his adventures in Chile on a trip organized by the CSSA travel committee in 2006, of which he is a member. It was led by Graham Charles, who has written a book about Copiapoa, and Roger Ferryman another Brit who had explored the area a lot. The group drove up the coast into the Atacama Desert stopping frequently to look at plants. Fortunately, there had been good rains prior to the trip and they saw lots of flowers. They visited not only the coastal areas of the fog shrouded desert but also some of the high altitude sites, where cacti grow at elevations up to 14, 000 ft.



Copiapoa cinerea albispina, by Kelly Griffin

PLANT OF THE MONTH

Joe Kraatz

This month we will not be featuring a plant but instead the fruit of a very under-utilized cactus: Opuntia.

As with all cacti the Opuntia or 'Prickly Pear' is native to the new world but it has been spread around the world: Africa, Madagascar, the Mid-east, the



Fruit on cactus pads.

Mediterranean, and Australia. Opuntias produce delicious and very healthy fruit, which are cultivated around the world in those areas that are not suitable for any other agricultural uses. Besides the fruits, the pads are also consumed – they are known as nopalitos in Mexico. They're are great in salads, with scrambled eggs, etc. But this month we will concentrate on the juice of the actual fruit.

Here in the U.S. the fruit have been slow to be incorporated into our diets. I sus-

pect this is because of the glochids, those tiny, finely barbed hair-like spines which are difficult to remove from our skin. Actually, it's very easy to remove the little nasties from the fruit with a sharp paring knife and some people simply use a household torch to remove them. In Mexican culture the fruits are known as 'Tunas'. I have no idea of the origin of this label but believe me, they don't taste like tuna!! If anyone visits a market that specializes in Mexican food they will always find pads (nopalitos) and the fruit (tunas) in the produce department.



The fruit of the prickly pear cactus.

As of late it is being realized that the fruit have many medicinal benefits, especially for those with diabetes and/or high cholesterol. Studies are ongoing so I will not be endorsing the fruit as having a health benefit but there are many sources of studies on the Internet. To me there is nothing more delicious then simply adding some sugar to the fruit nectar and pouring over French vanilla ice cream. In a total state of denial I can believe I am eating healthy!!

Fruits ripen from mid-summer to mid-fall and depending on the species will be yellow-green, pink, or red. Birds and reptiles find the fruit the 'filet mignon' of

the animal world. Tortoises are especially fond of it. This is the way the seeds are spread. As in many species of cacti, the seeds have a higher germination rate once they pass through the digestive system of animals.

There are a few companies that produce the juice and I will have some that has no added sugar and comes from Tucson. I am not endorsing this company except that they don't add sugars. All the fruits in this nectar come from the species *Opuntia engelmannii*. They are from one of the largest cattle ranches in the U.S. named the McGee Cattle Ranch that covers 40 square miles just south of Tucson, AZ. It is certified as organic. There are other companies that sell the fruit juice but they are all enhanced with sugars. I chose not to go in that direction for our tasting demonstration.

For further information on the Opuntia fruit go to <http://en.wikipedia.org/wiki/Opuntia>.

For an interesting article on the use of agave syrup as a sweetener, go to <http://www.nctimes.com/articles/2009/06/30/food/zbcf9575d80b2dcc1882575d700146f18.txt>
(copy these two lines and paste them into your web Browser).

We will be tasting different beverages utilizing the nectar plus a special beverage that uses just a hint of the nectar but you must attend the meeting to partake of this special brew. Following are some recipes:

PRICKLY PEAR SALAD DRESSING

1/2 cup Prickly pear nectar
1/3 cup salad oil (not olive oil)
1 tsp salt
1 tbsp sugar
3 to 4 tbsp tarragon white wine vinegar.

Blend all. You may want a sweet dressing so simply add more sugar or honey. This is excellent on fruit salads and tossed green salads.

PRICKLY PEAR VINAIGRETTE

3 oz. Prickly Pear Nectar
1/2 banana
2 tbsp. Honey
1 tbsp. Rice wine vinegar
Juice of 1/2 lemon
Juice of 1/2 lime

Put all in blender until smooth. Add salt and/or pepper to taste. All of these ingredients can be adjusted to fit your personal taste.

PHOENICIAN TEA

1 oz. Prickly Pear Nectar
1/2 glass iced tea
1/2 glass of lemonade add ice and shake

PRICKLY PEAR GREEN TEA

1 oz. Prickly Pear Nectar
1/2 glass green tea
squeeze of one lemon
add ice and shake

CACTUS POWER JUICE

2 parts Prickly Pear Nectar
1 part (frozen) apple juice concentrate
3 parts water
Add ice and shake

PRICKLY PEAR MARGARITA

1 oz. Prickly Pear Nectar
to 10 oz. Margarita Drink

2009 SDCSS SUMMER SHOW

What a show, almost 800 plants were entered (795) by 66 entrants. There were 22 Golden Sweeps Awards (1st, 2nd, and 3rd or better in the same category). Many new people participated this year, showing plants for the first time. Almost 1/3 of the entrants were in the Novice category, a very encouraging sign for the club and our future shows. The plants everyone brought in were just fantastic; this was one of our best shows yet. I can't wait till next year. I am already working on some ideas such as a fun pot category where anything goes. An example would be Judy Walkowiak's pot of a woman's head planted with a stapelia to look like dreadlocks. What fun! For those who thought about entering plants but did not, I want you to consider trying it out next year -- it's a great feeling that you get when sharing your plants with others who are doing the same thing. 1/5 of our membership shared their plants with us. To the other 4/5ths: we want to see your plants too.



Ipomoea platensis On the Trophy Table.
Photo by Collette Parr

Special thanks to Candy and Jerry Gardner, high points under 50 entrants with 93 points and Carol and Paul Maker who were an oh so close second with 90 points. The trophies will be presented to the winners at the August meeting. The trophies need to be brought up to date and this will take some time. Those who won trophies, I would like you to attend this meeting to receive your trophy and take part in a group photo. For the other 63 people who entered plants, thank you so much for participating.

I want to give special thanks to those who were indispensable in making this show a success, Steve Harris and Janet Svoboda for organizing the succulents, great job. Ed Case, what a work horse, he was everywhere helping everyone, doing everything. Helping to bring in plants, shade cloth, table setup, assisting vendors, tear down, assisting people bringing plants back to their cars, we all thank you. Finally, thanks to all the other volunteers who made this happen so smoothly. Start thinking about next year, what plants you want to show, where can you volunteer. We still have enough room to fit another two to three hundred show plants and can find work for anyone who wants to volunteer.

Again thanks to everyone,

2009 SUMMER SHOW TROPHIES, PLAQUES AND AWARDS

Trophy Name:	Awarded For:	To Whom:	For Plant :
Phillip Corliss Plaque	Best Cactus	Carol & Paul Maker	<i>Eriosyce ceratistes</i>
SDCSS Plaque	Best Novice Cactus	Judy Walkowiak	<i>Uebelmannia pectinifera</i>
William & Ruth Nelson Trophy	Best Epiphytic Cactus	Cena Martin	<i>Rhipsalis capilliformis</i>
Elibet Marshall Trophy	Best Mammillaria	Don Hunt	<i>Mammillaria perezdelarosae</i>
James & Shirley Berry Trophy	Best Opunteae	Don Hunt	<i>Opuntia clavata</i>
Ruby Falk Plaque	Best Succulent	Michael & Joyce Buckner	<i>Bursera multijuga</i>
SDCSS Plaque	Best Novice Succulent	Don Patterson	<i>Haworthia truncata hybrid</i>
Doris Rake Plaque	Best Agave	Carro Desert Nursery	<i>Agave ferox variegata</i>
Barbara Jeppe Trophy	Best Aloe	Tim Harvey	<i>Aloe florenceae</i>
Oliver & Sophie Loyland Trophy	Best Echeveria	David Szalay	<i>Echeveria 'Mauna Loa'</i>
Russell and Lydia Evans Cup	Best Euphorbia	Peter Walkowiak	<i>Euphorbia stellispina</i>
Samuel & Adela Markey Trophy	Best Mesembryanthemum	Peter Walkowiak	<i>Titanopsis primosii</i>
Wilna Johnson Trophy	Best Pelargonium or Sarcocaulon	Rudy Lime	<i>Sarcocaulon vanderietiae</i>
Richard G. Latimer, Sr. Trophy	Best Sansevieria	Michael & Joyce Buckner	<i>Sansevieria suffruticosa silver form</i>
Richard G. Latimer, Jr. Memorial Trophy	Best Baja Plant	Elibet Marshall	<i>Dudleya candida</i>
Bob & Suzanne Taylor Trophy	Best Graft	Carro Desert Nursery	<i>Ariocarpus kotschoubeyanus</i>
Dudley B. Gold Trophy	Best Mexican Plant in Show	Carol & Paul Maker	<i>Ariocarpus fissuratus</i>
Tegelberg Family Plaque	Best Plant Grown from Seed	Rudy Lime	<i>Operculicaria decaryi</i>
Julianne Rice Trophy	Best SD County Succulent	Doug Buckner	<i>Dudleya brittoni</i>
Monte & Mary Woodworth Plaque	Best Miniature	Jean O'Daniel	<i>Sansevieria sp dwarf</i>
H. Warren & Virginia Buckner Trophy	Best Pachycal or Caudiciform	Peter Walkowiak	<i>Ipomoea platensis</i>
Rudy & Teresita Lime Trophy	Best Succulent Bonsai	Michael & Joyce Buckner	<i>Operculicarya decaryi Madagascan</i>
Rose D'Attilio Memorial Plaque	People'S Choice	Peter Walkowiak	<i>Ipomoea platensis</i>
CSSA Award	Best Educational Display	None	
Reuben Vaughan Plaque II	Best Exhibit	Rudy Lime	
Walter & Hazel Scott Plaque	Most Artistic Display	None	
James & Shirley Berry Trophy	High Points (50 or Fewer Entries)	Candy & Jerry Garner	
Ronald & Marcia Monroe Trophy	Sweepstakes Trophy	Peter Walkowiak	
Buck Hemenway	Judge's Choice Award	Peter Walkowiak	<i>Adenium swazicum</i>
Vince Basta	Judge's Choice Award	Carol & Paul Maker	<i>Ferocactus glaucesens v nuda</i>
Woody Minich	Judge's Choice Award	Juegen Menzel	<i>Digitostigma caput-medusae</i>
Larry Grammer	Judge's Choice Award	Michael & Joyce Buckner	<i>Ficus socatronna</i>

GOLDEN SWEEPS WINNERS

Name:	Awarded in Class(s):	At Level:
Peter Walkowiak	6, 7, 11, 15, 18	Open
"	31, 44, 46, 53, 57	"
Candy & Jerry Garner	15, 35, 45	Open
Carol & Paul Maker	20, 27	Advanced
Don Hunt	25	Advanced
Tina Zucker	36	Open
Daniel Varise	39	Advanced
Doug Buckner	40	Novice
Bill Shagena	44	Novice
Chris Miller	61	Open
Jean O'Daniel	63	Open



Editor's Choice:
Lithops and Rocks!
Photo by Collette Parr

ESPINAS Y FLORES GOING ELECTRONIC!

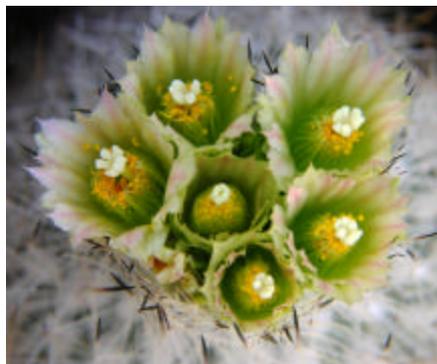
This month's issue of our newsletter will be available for viewing and downloading at the Club website, www.sdcss.com. Take a look! As a cost-savings measure, all members are being urged to accept an e-mailed version of the newsletter – the cost of color printing and mailing far outweigh the annual membership fee. Current mailing practice will continue for the remainder of this year. Beginning in 2010, you will have a choice as to how you wish to receive your copy of the newsletter..

Turbinicarpus

(Reprinted from the SGVCCS COMMUNIQUE, November 2007)

T*turbinicarpus* is a small (but growing) genus of small plants from North-eastern and Central Mexico. It is one of several closely related genera, *Neolloydia*, and *Gymnocactus*, and *Strombocactus* being the ones most frequently mentioned. In many books, some of the plants listed below will appear as either *Neolloydia* or *Gymnocactus*. The exact relation of these genera is still being worked out and the disagreements between botanists are substantial. New species have been discovered and named in the past decade; seeds and plants of these are just becoming available.

All of the *Turbinicarpus* species are worth growing. They are all small, most full sized in collections at an inch or two. A few will clump readily, and make impressive show specimens, as shown below, but still remain manageable. A collection of all the species and varieties could easily fit on a table top.



Turbinicarpus beguinii ssp. *zaragosae*

In habitat, *Turbinicarpus* usually grow under nurse plants, generally shrubs that offer some protection from the worst of the mid day sun, or protected by rocks. *Turbinicarpus* have large tuberous roots, which are their primary food and water storage source in times of drought. Over much of their habitat, rain falls during the summer, and growth is most rapid during this period. They can take lots of heat.

Turbinicarpus are fairly easy to grow, if attention is paid to their life cycle. They are dormant in winter, from November through mid March. As they begin growth, watering should be given slowly. If too much water and fertilizer are given at once, it's possible to burst the skin of the plant. Once growth is established (April and after) water freely. During very hot weather in the summer, the plants sometimes go dormant again for a short period. Attention has to be paid to watering again.

If a head splits, all is not lost. The entire head can be removed, and the top of the tuberous root left half an inch above the soil. It will usually start two or three new heads. Removing a head is also a great method of vegetative propagation. *Turbinicarpus* are easily raised from seed. They are slow for the first year, but reasonable size plants can be grown in a year or two, and flowers the size of the plant will appear by the second year. Producing

clumps as shown above will take quite a bit longer. Many varieties are only available as seed.

Terrific Turbs:

Turbincarpus krainzianus (a.k.a. *Turbincarpus pseudomacrochele v.krainzianus*) is almost always clumping, as shown above. From Queretaro, it has white flowers with yellow centers.



Turbincarpus lophophoroides

Turbincarpus laui stays small, rarely more than an inch and a half. It has woolly areoles and a wool crown. From San Luis Potosi it has pinkish flowers

Turbincarpus lophophoroides sometimes remains solitary, but generally clusters with age. It resembles the genus *Lophophora*. Careful watering away from the body of the plant will allow the areoles to keep their wool. The white crown will offset the white flowers. From San Luis Potosi.

Turbincarpus pseudopectinatus has small sets of comb like spikes at each areole. It usually remains solitary, and grows to two inches or so high and an inch in diameter. From Tamaulipas and Nuevo Leon it has large pink flowers.



Turbincarpus lauii

Turbincarpus schmiedickeanus is a very variable species, with at least half a dozen named varieties. This species has the largest spines of any of the *Turbincarpus*, with the spines often as large as the body of the plant. The named variations differ in the width, color and length of the spines. The spines of this species are hollow with narrow cracks. Water condensing on the spines runs though the spines and is used by the growing plant. This is a widespread species from Tamaulipas, San Luis Potosi, and Nuevo Leon.

Turbincarpus valdezianus is another small bodied pectinate species with red and white striped flowers. In this species, the pectinate spines are not in the two neat rows as in *T. pseudopectinatus*, but are more spherical, and almost mashed.

References: Pilbeam & Weightman, **Ariocarpus et cetera**

FROM THE LIBRARIAN

Turbinicarpus X3 Don Hunt, Co-Librarian

Everyone who has at least one cactus in their collection should be aware of the wonderful genus *Turbinicarpus*. They are very hardy, interestingly diverse and best of all, they stay small. An entire collection might be shown on a card table. Amazing plants are very inexpensive. Be sure to check Jurgen's sale table carefully.

It helps in any search for plants to study them ahead of purchase time, so you will be interested to know that our library has three contemporary books on *turbinicarpus*.

The Genus *Turbinicarpus* by Milan Zachar is published by a Czech company that I can't even make out the name. The book itself, however, is written in excellent English. The first thing I noticed about this book is the photography. The plants are almost all habit close-ups in unbelievable detail and focus. I wish there were photography notes. Each species includes climatological graphs that I haven't been able to figure out as the vertical bar is not labeled as to what they are measuring. This book is easy to find and identify on the bookshelf, as it has a magenta cover.

The Genus *Turbinicarpus* in San Luis Potosi by Cactus and Co. covers the genus only as it occurs in one Mexican state. It is much more concerned with the specific environment in which the individual species occurs. There are general area photographs that give an idea of the terrain, co-habiting species of plants providing a degree of shade. The habitat is well described, even so far as to the soil characteristics. Missing is any rainfall information. Maybe that's in the bar graph of the previous book. This book gives a conservation status for each species, describing to what degree and for what reason the plants may be endangered.

Knowing, Understanding and Growing *Turbinicarpus* by Donati and Zanovello. Is the most thorough, largest and most expensive of the three. It covers all the species of *turbinicarpus* in detail. Photographs, though mostly small, are primarily habitat plants and include some amazing specimens. A descriptive table for each species covers an entire page. It also has my weakness, ever since my early addiction to field guides—range maps. You simply should check this book out to investigate what I think is the most interesting feature of *turbinicarpus*, the fact that the spination of the plant changes as it matures. This is clearly illustrated both in photographs and line drawings. This book has broken my "if you check it out 3 times, buy it" line so I won't be competing any more for this one. This book has a blue dust jacket and is hardcover.

Snacks for the Break: Those with last names beginning with A through M, please bring a snack to share at the break.

MEETING ANNOUNCEMENT

San Diego Horticultural Society

July 13, 2009, 6:00 – 9:00 pm

Speaker: Mary Irish on “Plants For Drier Gardens”

Horticulturist Mary Irish presents a very timely program which will inspire us to try new plants as we face increasing water restrictions. Irish will provide a thoughtful review of woody plants and perennials that thrive year ‘round on minimal watering and provide ample beauty, structure and color in the garden. Plants from the Sonoran and the Chihuahuan deserts are especially good ornamentals and will be featured in her talk. Garden writer, lecturer, and educator Mary Irish has lived in Arizona for 23 years. She is the author, with Gary Irish, of *Agaves, Yuccas and Related Plants*; *Gardening in the Desert*; *Perennials for the Southwest*; *Trees and Shrubs for the Southwest*, and four other books. (Copies of her books will be available for sale.) She is a frequent contributor to national and regional publications including *Horticulture* and *American Gardener*, as well as writing and consulting for on-line plant services. Irish has worked as a consultant on projects for the City of Scottsdale, the Xeriscape Demonstration Garden in Glendale, Arizona, and teaches classes on desert gardening, use and cultivation of agaves and succulents, woody plants, desert palms and desert perennials. Her plant interests range widely, with agaves and their relatives, bulbs, and desert perennials currently at the top of the list. She served as the Director of Public Horticulture at the Desert Botanical Garden in Phoenix for 11 years, and is now on the Board of Boyce Thompson Arboretum. Irish has a B.A. from the University of Texas at Austin and a M.S. in Geography from Texas A&M University. To learn more visit www.MaryIrish.com.

Meeting is open and everyone is welcome.

Admission: Members - free, Non-Members - \$5. Parking is free.

Meeting Place: Del Mar Fairgrounds, Surfside Race Place, 2260 Jimmy Durante Blvd, Del Mar;

For Further Information Call: (760) 295-7089

Please address correspondence to:
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UPCOMING EVENTS

2009

July 24-26: Orange County Summer Show and Sale at the Fullerton Arboretum, 1900 Associated Road, Fullerton. Show and Sale open Friday, July 24th, noon to 4pm, Saturday and Sunday 10am to 4pm. For information call 714-870-4887.

Aug 15-16: 24th Annual Intercity Show and Sale at the LA County Arboretum, 301 N. Baldwin Avenue, Arcadia, CA. For information call Tom Glavich 626-798-2430, John Matthews 661-297-5364, or Peter Walkowiak 858-382-1797.

Aug 29: Huntington Botanical Gardens Succulent Symposium. All day at the Huntington. Fee: \$75.00 with an additional charge of \$25.00 for the dinner.

Sep 27: 12 pm . Long Beach Cactus Club Annual Plant Auction, 18127 South Alameda Street, Rancho Dominguez, CA.

Nov 7-8: San Gabriel Valley Cactus and Succulent Society Show and Sale at the LA County Arboretum, 301 N. Baldwin Avenue, Arcadia, CA. For information call Manny Rivera at 626-793-6917.

Dec 5-6: Orange County Show And Sale, Fullerton Arboretum, 1900 Associated Road, Fullerton, Ca 92831.

Dec 12: SDCSS Holiday Party!

The due date for submission of articles for Plants of the Month, information on the program/speaker, letters, regular columns, brag table winners, and the President's Message will be the last Saturday of the month preceding the next monthly meeting. All submissions are to be made to the Editors. Please email your articles to Paul & Carol Maker at PDMaker@roadrunner.com.

Opinions expressed in articles and editorial comments are solely the opinions of the author or the editor and do not necessarily represent the opinion of the SDCSS, the Board of Directors or the organization as a whole. All material submitted to the *Espinas Y Flores* for possible publication may be edited in form and content. All material contained in the *Espinas Y Flores* may be reprinted by other non-profit organizations (unless permission is expressly denied in a note accompanying the article.) Please send one copy of the printed material to the editor. Reproduction in whole or part by any other organization without the express consent of the editor is prohibited.

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STANDING COMMITTEES & SUB COMMITTEES

Education, Conservation & Exhibits

Conservation: Joe Kraatz & Herb Stern

Brag Table: Candy Garner

Plants of the Month: Don Hunt

Summer Show: Peter Walkowiak

Winter Show: Peter Walkowiak

Historian: Terry Parr

Library: Don Hunt, Chris Miller, Jeanette Dutton, Steve & Kathy Harris

Exchange Plants & Seeds: Michelle Heckathorn & Sara Schell

Sales, Meetings, Plant Sales & Supplies

Membership: Collette Parr

Mailing: Jean & Bill O'Daniel

Annual Sales: Chris Miller & Joe Kraatz

Auction & Holiday Plants: Lee Badger & Tom DeMerritt

Monthly Plant Sales: Joe Kraatz & Lynn Elliott

Monthly Supply Sales: George & Jerry Plaisted

Benefit Drawing Table: Collette & Terry Parr

Publicity: Tom DeMerritt & Joe Kraatz

Programs: Kelly Griffin

Reception: Susan Hopkins & Judy Walkowiak

Monthly Regalement: Rudy Lime, Susie White

Picnic Regalement: Laura & Tom DeMerritt

Hospitality: Sara Schell

Liaison

Balboa Park Desert Garden: Susan Hopkins

CSSA Affiliate Rep: Peter Walkowiak

Quail Botanical Gardens: Phyllis Flechsig

SD Botanical Garden Foundation: George Plaisted

SD Floral Association: Elizabeth Glover

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