

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 8

September 2014



Picnic

13 September 2014
at Admiral Baker Field

Coffee in the Garden

20 September
at Peter Walkowiak's Home
in Escondido
10-3



Echeveria cante

Photos by Kelly Griffin

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President's Message

Here it is again, Summer! The sun is shining, the garden is happy and other than having to add some water and keep the pests and weeds in check, it has been a good one so far. How has it been for you?

I hope you enjoyed the talk that Ernesto Sandoval gave on plant hormones at the August meeting. A sincere thanks to him for making the trip down here all the way from UC Davis. It was both informative and a welcome step away from the normal fare.

Some of our members attended the Intercity show that was as things go ~ held the same day as our meeting. I hope we have an update from them. We missed you. Although I will say I did pretty well on the brag table with your absence! Not likely to do that again anytime soon!

Our next foray will be our annual September picnic which we have each year, hence the title annual. It is a great opportunity to socialize and talk plants outside of the regular formatted schedule. It will be at the same place as last year, Admiral Baker Field on September 13th. See next page for details

We ask as this is a potluck that you bring a side dish to share. We are also asking for \$5 per person for the main course (Dogs, Hamburgers and Veggie Burgers etc)

Just as a general reference, SDC&SS has 8 programmed talks each year, 2 main sales (winter/ Feb, summer/ June) a holiday party (Dec) and this month..... the picnic (Sept.)

I look forward seeing you all Saturday the 13th! Kelly Griffin

Notice: SDCSS is looking for someone willing to take on managing the Brag Table. After several years of doing an excellent job Candy Garner has stepped down. We thank her for all her hard work. Candy was kind enough to develop a Job Description for the task. Contact Chris Miller if you are interested.

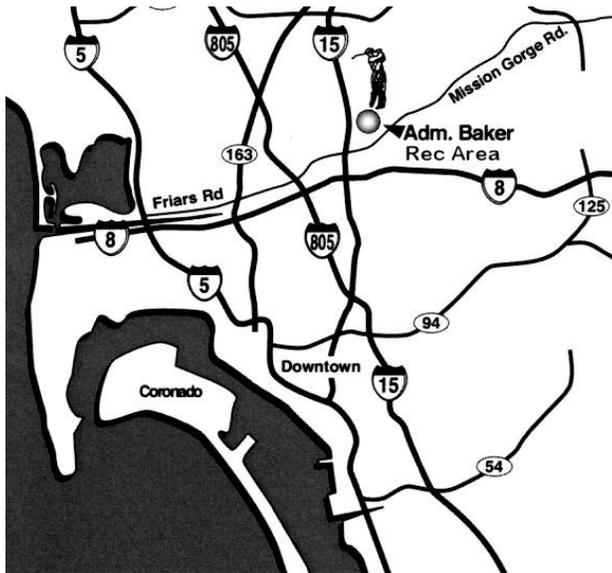
Brag Table Job Description

- ◆ Create and print signs for three tables for Novice, Intermediate, and Advanced for cactus and succulent entries; (as required)
- ◆ Create and print signs of requirements for entries, e.g. must have owned/grown the plant for a minimum of six months or more; (as required)
- ◆ Create and print signs for "Please Do Not Touch the Plants"; (as required)
- ◆ Create, print, and cut entry forms in green (novice), yellow (intermediate) and blue (advanced); (monthly)
- ◆ Create, print, and cut coupons for winners in same colors for 1st, 2nd, and 3rd place for each level's winners; (monthly)
- ◆ Deliver monthly coupons to the President prior to the beginning of each meeting; (monthly)
- ◆ Provide pens;
- ◆ Encourage participation;
- ◆ Attend monthly meetings by 10 am to position signs on each of the three tables;
- ◆ Collect winning entry forms after winners are announced;
- ◆ Create list of winners and plant names* for each level, include the name(s) of the judges, and email to EYF Editor in a timely manner for printing in the following month's EYF.

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

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

SDCSS Annual Picnic



DIRECTIONS Located one-half mile east of Interstate 15 at the intersection of Friars Road and Santo Road, Admiral Baker RV Park can be reached either from Interstate 8 or Interstate 15.

From Interstate 8 - Exit Mission Gorge Road. Right on Mission Gorge Road to Friars Road and turn left. Continue on to Santo Road and turn right. Make an immediate right onto Admiral Baker Road and follow it down the hill. At the bottom of the hill turn right into the parking lot.

From Interstate 15 - Exit Friars Road East. Follow Friars Road to Santo Road. At Santo turn left. Make an immediate right onto Admiral Baker Road and follow it down the hill. At the bottom of the hill turn right into the parking lot.

Where: Admiral Baker Field Recreation Area, Site 6.
View using Google or at <http://www.militarycampgrounds.com>

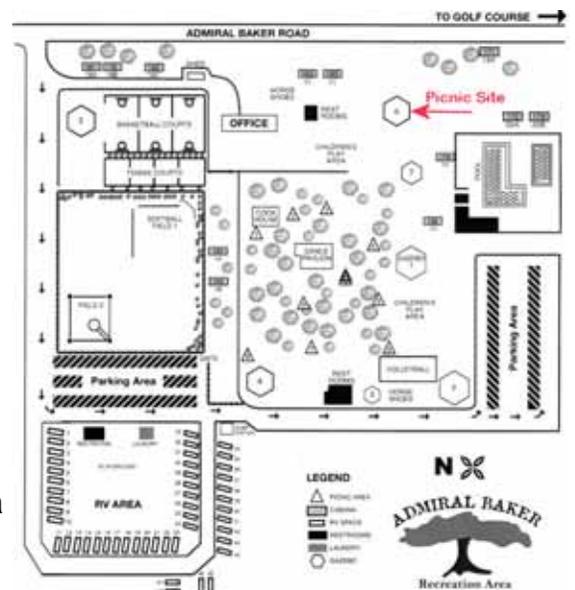
When: September 13, 2014.

Time: Volunteers will start prep work at 9.
Lunch will be ready around 11:30

Cost: \$5 a person

Bring: Side dishes, deserts, finger food. The Club will provide tri tip, hot dogs, hamburgers, veggie burgers and drinks.

RSVP: Sign up on the website. Last resort or late to take action send Chris Miller an E-mail at c.miller@cox.net or call her at 619-258-9810 to let her know if you are coming and what you are bringing. We need to have a general idea of numbers so we can buy enough meat, etc.



There are plenty of tables in the picnic area and lots of lawn around it for us to gather. The picnic is a great way to get to know each other better and catch up with old friends.

No animals, no glass containers please.

Upcoming Calendar of Events

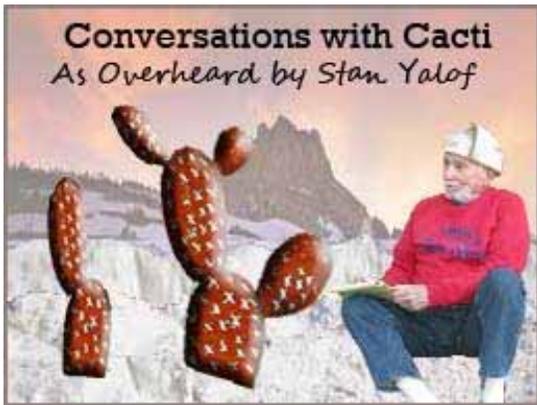
September 7: Long Beach Cactus Club Annual Plant Auction, 12 –5 pm. Rancho Los Alamitos, 6400 Bixby Hill Road, Long Beach Info 310-922-6090.

September 13: SDCSS Annual Picnic at Admiral Baker Field.

November 1-2: San Gabriel Cactus and Succulent Society Show and Sale. 9am-4pm both days. LA County Arboretum, 301 N. Baldwin Ave, Arcadia CA

December 13: SDCSS Holiday Party starts at 11 in room 101 Casa del Prado, Balboa Park

February 14, 2015: SDCSS Winter Show and Sale, room 101 Casa del Prado, Balboa Park



The old *Opuntia*'s clade looked over the snow drift. Shivering below was a smaller plant. "Shivering cladodes, dad, being a cactus is hard."

"Keep in mind, little one, that we cacti are the toughest of the tough. And it is just this stress that has pushed us to the apex and blessed us with around 180 genera and 2,000 species."

"I could do with less stress and fewer cousins!"

"Be patient. Warmth is coming. I sense that the percent of daylight is growing. According to my Almanac I should begin budding a few days past the equinox. And that also goes for

the other *Opuntias* hereabouts."

"Couldn't we wait for the equinox further south?"

"You young ones need patience. Global warming is advancing in our direction at a quarter mile per year. Give it a hundred years and this place will be balmy."

"A hundred years, the sun will fry and crack our cladodes."

"Maybe other plants and animals, but not us! We are Caryophylles! Our Order and particularly we *Cactaceae* produce betalain."

"And this stuff helps us?"

"Well I'm not a chemist, but could be...? On my cladode Wi-Fi I hear it's being sold as an anti-oxidant. Besides coloring our flowers, it could collect in our apical meristem at our tips and allow us to withstand searing ultraviolet for hundreds of years without a crack on the noggin."(note 1)

"Brr, there must be nicer places down south."

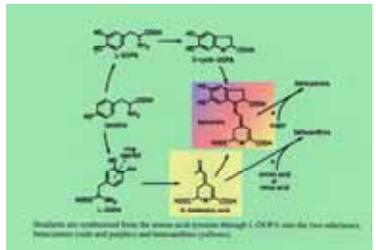
"Warmth, certainly. But this venue has certain charms."

Sarcastically, "I can't wait to hear what they are!"

"Well we *Cactaceae* are tough. But all plants and animals live with stress. Indeed, without stress, why bother evolving? We have an edge with our ability to wait out drought. We can take hot sun. And we grow slow, patiently waiting out poor times, and surviving poor soils. Here the game tilts to us. As we travel north we move into richer glacial sediments. A small gain, but an advantage, and little competition!"

"So we're being miserable, all for grit!"

"Don't underestimate the power of sediments. They have a long, long, history. None of us would be here without them. A little history, young'un."



The Production of betalain starting with amino acid tyrosine



"Five hundred million years ago the living world was microscopic. Large blocks of land had drifted together to form the super-continent of Pangaea. It included what were to become the continents of today. A gigantic freeze had previously covered the land with glaciers, later called Snowball Earth. As they retreated, they released water and flushed nutrients across the land and into the sea. Some believe that this kick-started the rise of animals and we plants." (note 2)

"Sediments, huh. Well that was a long time ago."

"Still true today. Life on Earth depends on them. Mountains and rivers and volcanoes feeding the Nile, Ganges, Brahmaputra, Mekong, Yangtze, Yellow River, Colorado, Mississippi, Rhone, Rhine, Rockies, Alps, Urals ..." (note 3)

"...and then we appeared?"

“Not yet. First simple plants like mosses came on land, then others, vasculars, like ferns, horsetails, cycads, conifers. The borders of Pangaea were lush, but the interior began to dry out.”

“...and then we appeared?”

“Not yet! A new kind of plant, scrappy and tough, appeared, about 140 MYA, in the Cretaceous period. Let’s call it Mama. (note 4) Right in the middle of dinosaur time. This was the beginning of us Angiosperms.”

Anticipating the next question from his youthful charge, the old *Opuntia* hastened to add, “That means enclosed seed, added protection, but more than that, a food supply was provided for the emerging seedling. First flowers weren’t much, but given time, wow!”

“...and then us?”

“Almost. Mama evolved into about 10 Sub-classes. We are within Sub-class *Caryophyllidae*, which includes our order *Caryophyllales*, proud carriers of betalain.”

Flowering Plants Taxa

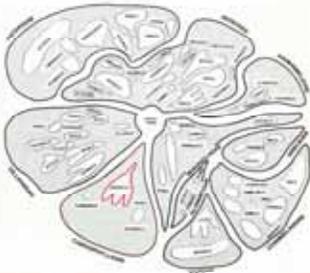


Figure: Angiosperm Taxa

“...and that’s us?”

“...and a lot of our cousins. There are about 10 families and 10,000 species in *Caryophyllales*, including *Aizoaceae* (ice plants), *Portulacaceae* (purslane, portulaca), *Cactaceae*, etc. We cacti have about 200 genera, 2,000 species. How we are related to each other was a mystery. But now we have a pretty good idea. Some time back, plant taxonomers such as Arthur Cronquist played with the family tree. They weren’t quite sure, but they suspected that cacti were related to African ice plants.

Then with DNA analysis by Mark Hershkowitz of the Smithsonian, not only was the family relationship deciphered, but the ancestor of cacti was identified.



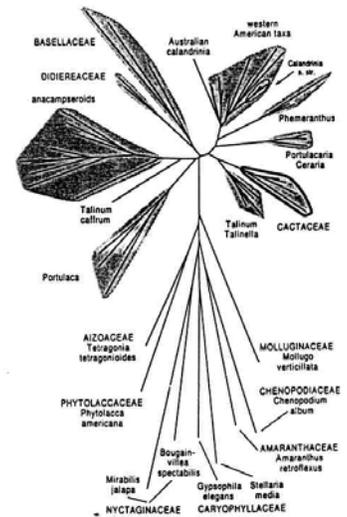
“So which part of *Cactaceae* did we *Opuntiads* come from?”

“That is a very good question!”

Talinum Afarensis

In Appreciation: *Opuntia* drawings are my modification of one by Ron Chisum. Much thanks to Don Hunt for supporting my mini-talks.

Notes:



Hershkowitz Tree

1. Betalain in the plant world is found only in Order *Caryophyllales*, which includes beets, *Bougainvillea*, ice plants, and *Portulacaceae*. It replaces anthocyanin as a pigment. As discussed in a previous talk on hallucinogens, betalain is a side product in the synthesis of mescaline from the amino acid tyrosine. It is the opinion of the author that this could be the critical sun-block for cacti scalps

2. Snowball Earth’s effect on the rapid evolution of animal life due to glacial runoff is briefly treated in Scientific American, Feb 2011, P 32, in the book Snowball Earth, and by articles in Nature and elsewhere. The ‘snowball’ glaciers occurred in 635 to 750 MYA and studies have suggested that it once may have been possible to ski from pole to pole. Measurements revealed a large spike in phosphorous as the glaciers melted, causing downstream poisoning, and fish and wildlife extermination.

3 The effects of sediments depositing through river valleys are treated in a highly recommended book, Collapase, Jared Diamond, Penguin, 2005, P366, and elsewhere. Their beneficial costs of fouling this ecology are much greater than the supposed economic needs of business.

4. AKA, the Ancestral Complex



Meet a Member: Naturalist and Teacher, Art Cooley

Denise Huntsman-Griffin

My first impression of Art a few years ago was that he was a friendly, educated man, who is well-read, loves to learn, loves to teach, and is a natural at getting others excited about learning. Several years later, I know my initial impression was true and then some. A naturalist, he has spent much of his life as an activist for the environment and animals.



Art was born on Long Island and lived in Quogue, a village about 60 miles east of New York City. He earned his bachelor's and master's degrees from Cornell University. He then taught science for 33 years at Bellport High School and for 7 summers at Stony Brook University, both on Long Island. Early on in his teaching he started a marine biology summer program at the high school and at Stony Brook. Being an avid birdwatcher, he also created a full-year course in Ornithology at the high school that continued on even after he retired. He and a friend would take students on nature and bird-watching walks on weekends.

Art is most proud of being co-founder of the Environmental Defense Fund (EDF) which he started in 1967 with several other local activists. The EDF is a nationwide, non-profit environmental advocacy group and has representatives around the world with about 700,000 members. Prior to the creation of the EDF in 1967, the local activists including faculty and students on Long Island, biologists and ecologists, were concerned about the preservation of saltwater marshes, problems with farm runoff, sewage, waste and groundwater contamination. They created a group they called the Brookhaven Town Natural Resources Committee (BTNRC) with Art as leader. One of their goals was to put a stop to the use of the pesticide/pollutant DDT (dichlorodiphenyltrichloroethane) by the Suffolk County Mosquito Control Commission. DDT was thought by scientists to be a threat to wildlife, especially birds, as it thinned their eggshells. The group was successful in their mission with the help of a number of lawsuits. In the first lawsuit in 1966 in the Suffolk County Supreme Court, the court declined to make a decision about banning the use of DDT but, in the meantime, the Suffolk County Legislature banned the further use of DDT.

The BTNRC with a couple of people from the National Audubon Society met to establish a legal defense fund for the environment and to help in the fight against the use of DDT. The Certificate of Incorporation for the Environmental Defense Fund was signed and the registration fee was paid. By 1972, DDT had been banned by the federal government. Art was chairman of the EDF from 1972-1975 and is still involved with the group as Secretary of the Board.

In 1970 he was the founding sponsor and advisor of a club at Bellport High School called Students for Environmental Quality (SEQ) and it still exists today. This club's main focus was on protecting harbor seals from being killed and preventing the local Dodge dealership from spilling their used oil into Swan Lake. SEQ was responsible for a 1972 New York State law that protected harbor seals. They were also partly responsible for laws in Suffolk County and then in New York State that protected the Carmans River. With their help, the Carmans River was designated for protection, making it one of the first wild, scenic and recreational rivers in New York State.

After teaching, Art had a 20 year career as a naturalist and expedition leader for Lindblad Expeditions and got to travel on ocean cruises to many places including the Antarctic, Alaska, Europe, South America and the South Pacific while teaching passengers about the natural world. Art's son, Jonathan, who is a paleontologist and expedition leader for National Geographic, also worked for Lindblad Expeditions.

Art met Bev Grant while working on an expedition near a glacier in Antarctica. While getting to know each other in Antarctica, they bathed in the hot water on Deception Island when the sea water was 32° F and the water in a small pool they dug at the edge of the shore was 120° F. They kept leaking sea water into the temporary pool they had built with shovels to keep the water temperature cool enough to wallow in. It was great fun Art says. They married in 2007 on the edge of an active volcano on Tanna Island in Vanuatu. They live in La Jolla and still love to travel. They have a wonderful video of their trip to Uganda and Rwanda where they had the opportunity to encounter mountain gorillas in the wild. They seem to be frequent travelers, last I heard, they just got back from Alaska. Art has done volunteer activities for our society and has written several articles for our newsletter. In closing, I suspect one could talk about a wide variety of subjects with Art and he would have a lot to say, from science, history and geography to gorillas, birds and harbor seals to climate change, the environment and plants. The "art" in Art Cooley, is his ability to spread his excitement about the wonderful world we live in to others.

August 2014 Brag Table Winners

Judged by Ernesto Sandoval and Kelly Griffin

CACTUS

Novice

- 1st Place, Michael Jarcho—*Ferocactus* sp
- 2nd Place, Denise Griffin – *Mammillaria perezdelarosa*
- 3rd Place, Denise Griffin—*Copiapoa dura*



Astrophytum capricorne niveum



Copiapoa dura

Intermediate

- 1st Place, Candy & Jerry Garner—*Matucana mammilaris (tuberculata)*
- 2nd Place,
- 3rd Place,

Advanced

- 1st Place, Kelly Griffin - *Copiapoa cinerea*
- 2nd Place, Kelly Griffin – *Astrophytum capricorne niveum*
- 3rd Place,



Euphorbia sp. monstrosa



Ferocactus sp.



Matucana mammilaris

SUCCULENTS

Novice

- 1st Place, Michael Jarcho—*Euphorbia sp. monstrosa*
- 2nd Place, Michael Jarcho—*Senecio pendulus*
- 3rd Place, Dennis Griffin—*Aloe cv 'Neon Nici'*



Pseudolithos migiurtinus



Senecio pendulus

Intermediate

- 1st Place, Candy & Jerry Garner – *Aloe 'Coral Fire'*
- 2nd Place, Penny Sommerville – *Pseudolithos migiurtinus*
- 3rd Place,

Advanced

- 1st Place, Kelly Griffin – *Aloe castillonae sp. Madagascar*
- 2nd Place, Kelly Griffin – *Coposite nova intremo—Madagascar*
- 3rd Place, Kelly Griffin—*Aloe hybrid (not named)*



Aloe "

Please pardon any omission or mistakes and contact Chris Miller if you want acknowledgement in the next newsletter.



Aloe hybrid (unnamed)



Composite nova intremo



Aloe castillonae sp



Aloe "Coral fire")

Coffee in the Garden

Peter Walkowiak

PeterWPlants

Open house 10:00 am to 3:00 pm

*** J BBQ party to follow J ***

Saturday, September 20th, 2014

Please R.S.V.P. for BBQ (contact info below)

You've seen some of my plants at various shows, but there are many more to see and many of you have indicated an interest in seeing the entire collection.

Sales inventory is available as well (20% discount, \$150 & up 40% discount)

We will provide snacks, lemonade and iced tea. If you'd like something with more spirit, please feel free to bring it along. However when the party starts the keg will be tapped. Party food - I'll put some pork on the smoker and have chips & salsa ready.

Location:

1172 Avocado Ave
Escondido, CA 92026

Peter's Ph# 858-382-1797
Inacia's Ph# 760-415-5105

email: hciservices@gmail.com

Directions (TRUST THESE DIRECTIONS, not google/yahoo maps):

15 freeway, exit El Norte Pkwy which is 1 mile north of highway 78

Right turn from northbound - head east

Left turn from southbound - head east

Seven Oaks Rd - immediate RIGHT turn (frontage road)

Borden Rd - 1/4 mile - LEFT turn

Avocado Ave - 1/2 mile - LEFT turn, this is the tricky part....

1/4 mile on Avocado Ave there is an unmarked cul-de-sac. The house on the corner has a white block wall about 2 feet high. This IS PART of Avocado Ave, not a different street.

Turn left up this cul-de-sac.

At the end of the cul-de-sac there are two parallel driveways on the right. Ours is the one on the right. We will have a sign at the bottom of the driveway indicating 1172.

Park in the cul-de-sac, if you pull nose in at the front of the dirt hill, we can fit more cars.

The Volunteers working in the Gardens would like to thank several people for their donations of plants to The Old World Garden at the Safari Park.

- Christa Stringham for *Aloes*
- Peter Walkowiak for *Aloe traskii*
- Susan LaFreniere for *Cotyledon*
- Loie Jeromin for *Aloe distans* and *Aloe camperi*
- May Fong Ho for yellow *Bulbine frutescens*
- Peter Tashjian for *Sansevieria masoniana*.

Many are planted just at the entrance on the right side; come see all that is new.

The park's Hort Dept. donated a new *Aloe barberea/bainesii* to replace the one that had rotted and had to be removed.

They also planted a fever tree to provide shade for some plants.

We would like to request donations of other *Sansevierias*, *Pachypodiums*, and groundcover-types of *Crassula* specifically.

Otherwise, if you have extra succulents that originate from old world places such as Africa, the Mediterranean, the Arabian peninsula, the Canary Islands, or Madagascar, we would be happy to accept them starting in October.

>

News From the Garden

By Susan LaFreniere

2014 Cactus and Succulent Show & Sale

Presented by

Palomar Cactus and Succulent Society

The North San Diego County Cactus and Succulent Society!

October 25th & 26th
Sat. 9 to 5 Sun. 10 to 4

At San Diego Botanic Garden (formerly Quail Gardens)
230 Quail Gardens Drive, Encinitas, CA 92024

For Directions: <http://www.sdbgarden.org/directions.htm>



See succulent specimens from around the world!

Plant judging is Saturday from 11am – 12:30pm.

The public can follow along as judges comment on entries and make their decisions.

All show plants will be available for viewing Saturday and Sunday, with winners identified after 1pm Saturday.

Specimen plants for the novice or collector, as well as handmade ceramic pots will be for sale.

Cost: Free with garden admission or garden membership

For more info contact:

Brita Miller @ vicepresident@palomarcactus.org 858-484-7118 OR

Merrilee 'Annie' Morgan @ treasurer@palomarcactus.org

[We're on Facebook!](#)

[Email – info@PalomarCactus.org](mailto:info@PalomarCactus.org)

Website - PalomarCactus.org



Note Forwarded by Don Patterson

Arid Lands Greenhouses is building a new greenhouse to house our expanding inventory. You can help save our backs and reduce the number of plants we need to move and rearrange by participating in a sale during September. For all orders placed between September 1-30, 2014, we will be offering all Aloe and Agave species listed in our on-line catalog at 20% off the regular price. Walk-in customers will also be able to use this discount. Approximately 900 species, hybrids, and cultivars are offered in this sale, which excludes any plants in our nursery not on-line, including a number of new introductions that are forthcoming. Our wholesale prices will remain the same. If you place an order, you will not see this 20% discount in the email confirmation of your order. We will apply the discount manually and only to Aloes and Agaves when the order is pulled and charged. Shipping charges will not be reduced during this sale. We encourage large orders and will assess exact shipping charges for those. We also save money on heavy orders by shipping FedEx ground instead of the US Postal Service.

Notice: SDCSS is looking for a new Newsletter Editor. I have enjoyed doing the news letter the last few years and hope that you all have gained from it. I am looking to simplify my life due to a new grandchild and other constraints. Below is a job description for the position. The nuts and bolts of how to put the newsletter together can be available for those that are interested. We are looking for someone to take over in January or earlier. The job offers a small monthly stipend and paper and ink for the printer are covered by the club. If you are interested please send a resume plus a sample of how you would like the newsletter to look to myself or Kelly Griffin. If you have questions contact either of us.

Chris Miller

Job Description for Newsletter Editor

Produce the monthly newsletter

Gather articles from various contributors

Take photos at meeting of Brag Table plants, award ceremonies and other interesting things (can arrange for someone else to take photos)

Put together the newsletter. Includes formatting and editing, including some photos. (currently developed in MS Publisher)

Print paper copies for mailed newsletters and deliver them to the O'Daniels for distribution

Print coversheet for paper newsletters using MS Excel and MS Word

Create pdf files for electronic distribution, send them to the web master to post

Create e-mail to send out to the members with e-mail addresses

Put out notices by e-mail

Create document to e-mail to the membership list (currently done in MS Word, Excel and Outlook)

Publicity Printing

Print club fliers, business cards, and sale fliers

Time requirements include

Attending the monthly Board Meeting the Wednesday after the regular meeting. This requirement is necessary since the Newsletter Editor needs to have a finger on the pulse of the organization.

Meeting the timeline for distribution of both paper and electronic copies of newsletter

Newsletter takes 8 to 15 hours to put together depending on input from contributors

Current printer takes about 3 hours to print paper version and cover sheets

The current drop off location for distribution is the O'Daniels in Poway. They finish putting it together, fold and secure it, put on postage and take to post office

Other Requirements

Must have email account, know how to use it.

Good working knowledge/familiarity with of all MS Office products.

Good to have and know how to use, Adobe Acrobat (not just Reader).



Coffee in the Garden at the Parr's

Kevin Hosmer shared his pictures.

If you would like to share your garden we have lots of opening in 2015. Contact Chris Miller if you are interested.



San Diego Cactus & Succulent Society

Executive Board

President: **Kelly Griffin** (760) 533-4866 kjgriffin2005@yahoo.com
 Vice President: **Chris Miller** (619) 258-9810 c.miller@cox.net
 Secretary: **Jennifer Harris** (858) 213-6076 chupparosa@hotmail.com
 Treasurer: **Christine Vargas** (619) 249-3032 christinevargas@hotmail.com

Directors

Peter Walkowiak (858) 382-1797 hciservices@gmail.com
 Pat Marshall (858) 755-5623 pmdelmar@aol.com
 Rick Bjorklund (619) 229-1125 PlantguyRB@cox.net
 Chris Dawson (619) 807-8636 ultradawsonator@gmail.com
 Kienan Parr (619) 799-0847 kienan.parr@gmail.com
 Geoff Twitchell (619) 977-9375 GTwitchellSD@gmail.com

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**
 Grants: **Jerry Garner**
 Library: **Don Hunt, Chris Miller, Jeanette Dutton, Steve & Kathy Harris**
 Exchange Plants & Seeds: **Michelle Heckathorn & Sara Schell**

Sales, Meetings, Plant Sales & Supplies

Membership: **Paul & Carol Maker** (760) 212-9659 pdmaker@roadrunner.com
 Mailing: **Jean & Bill O'Daniel**
 Annual Sales: **Chris Miller**
 Auction & Holiday Plants: **Kelly Griffin**
 Monthly Plant Sales: **Joe Kraatz & Lynn Elliott**
 Monthly Supply Sales: **George & Jerry Plaisted**
 Benefit Drawing Table: **Collette, Kienan & Terry Parr**
 Publicity: **Christine Vargas**
 Programs: **Kelly Griffin**
 Reception: **Susan Hopkins & Judy Walkowiak**
 Monthly Regalement: **Cathy Clark**
 Picnic Regalement: **Bill O'Daniel, Steve Harris**
 Hospitality: **Sara Schell**

Liaison

Balboa Park Desert Garden: **Susan Hopkins**
 CSSA Affiliate Rep: **Peter Walkowiak**
 SD Botanic Garden: **Phyllis Flechsig**
 SD Botanical Garden Foundation: **George Plaisted**
 SD Floral Association: **Jeanette Dutton**
 SD Zoo Safari Park, Baja & Old World Gardens: **Chris Miller**

Editor: Chris Miller (619) 258-9810 c.miller@cox.net

Webmaster: Collette Parr collette.parr@cox.net

Web Site: www.sdcss.net



The due date for submission of all material to be published in EyF will be the second-to-last Saturday of the month preceding the next monthly meeting. All submissions are to be made to the Editor. Please e-mail your articles to **Chris Miller** at c.miller@cox.net



Aloe Delta Lights Photo by Kelly Griffin