



*Mammillaria thornberi*

# Espinas y Flores

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

Volume 48 Number 9

October 2013

Happy Halloween



*Opuntia halloweenensis*

## Events This Month

### Pre Meeting Workshop

How to Make Hypertufa Pots

By Laura Hershey

11 to 12

### New Member Orientation

Wendy Goldman

12 to 12:30

### Regular Meeting

Saturday October 12, 2013

Room 101, the Prado

Balboa Park

1 to 4

### Plant of the Month

Dwarf Spineless *Euphorbias*

Of Southern Coastal Madagascar

By Don Hunt

### Program

From San Diego to Cabo

By Guillermo Rivera

### Coffee in the Garden

Peter Walkowiak

Open House in Poway

October 5th

1 to 5

Chris & BJ Miller

Santee

October 26th

10 to 1

*Pachycormus discolor* and

Guillermo Rivera in Baja



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## PRESIDENT'S MESSAGE



Yehaa....Yahoo....Another great picnic and I did hardly anything. OK I did bring some fruit but seriously I am just glad so many of you do know how to cook and showed up with great side-dishes. What a great spread of food we had. It was a fun way to get to know some of you better. Best veggie burgers too! I look forward the next one! I want to express my sincere thanks to all those that contributed to make this happen ..... Thank you!

Our meeting this month should be well attended and for good reason, We have Guillermo Rivera coming in from Florida ,ok he is originally from Argentina but Florida is where he calls home now. He will detail his A to Z or more concisely his San Diego to Cabo San Lucas trip which spanned the entire length of the Baja peninsula and included several island habitats as well. He is a great plant photographer and naturalist and very experienced traveler. I know there will be some unbelievable photos of plants and I truly look forward to it!

Guillermo operates a nature tour business and you can see more about this here: If you ever have an opportunity to travel on one of his trips, you will not be disappointed.

This month, we are having a preliminary meeting for a special SDC&SS committee for resolving our Cash register issues. We could use some input and help from all of you. If you feel you have solutions and would not mind helping and working on this committee...then by all means attend. If you feel like you don't have solutions but want to help us work to improve what we do, we could use that too. It will be on October 12th at noon (right before the regular meeting)

The main issue we have is that we have grown large. The various systems we are using require much coordination and it is very time intensive. We need a way to make this function more streamlined and less cumbersome for those involved. We also need to find people that can help us get were we want to be....is that you? Please help, Your club needs you.

The preparations for the holidays are underway. I know I know...even before Halloween.....can you believe it??? At our December meeting, we will again have a catered holiday meal and libations al la Herb the Wine Guy! I want to reiterate and detail some things that we do and have done in hopes of helping those that have forgotten and those to whom this maybe all new. We have a number of things going on at the Holiday Party that I wanted to mention because it can be confusing.

We will have a gift plant for each member that attends.....no brainer here just sign up and get your ticket and when your number is called, you get the pick....Kind of a luck of the draw but we will have cool plants for everyone.

We will have a gift plant exchange and this one needs some explaining. YOU BRING A NICE PLANT/ PRETTY PLANT/ (RARE IS GOOD) NICELY POTTED IS GOOD/ ARTFUL IS GOOD....then you put your name on it and bring it in. The hard part is being willing to let it go. The better and more desirable it is, the more likely it is to be picked and therefore the better opportunity for you to get something else you would like. We have kind of let this go the last few years and it has turned into more of a what can I get rid of.....I would like that to change this year. I would like to improve the quality. In that vein, there will be an additional special prize for the first plant selected (by committee) a little competition perhaps? There is time to be artful, creative and competitive if you start thinking about this now. It does not have to be expensive just think in terms of what would appeal to you and you are on the right track.

We will again have an auction of some interesting cactus and succulent plants (donations please??) The funds generated by this will go to offset the clubs expenses. Please at least participate in bidding if nothing else.

More on this in November....but start planning now to be there and bring a gift exchange plant! Fall is here and the garden is changing. Summer growers are slowing down and Winter growers just starting to wake up. I look forward to my *Dudleyas* and *Aeoniums* perking up again....they can look so dreadful at the end of summer. But that is how they are supposed to look....it is what they do. I am excited too about the South African plants ~the *Aloes* and *Mesembs* coming into their season.

See you all on the 12th! Kelly Griffin



## Before Meeting Workshop 11 to 12 How to Make Hypertufa Pots

By Laura Hershey

Laura will be demonstrating how to make these pots. The website <http://jims-frogblog.blogspot.com/2010/06/hypertufa.html> explains the process. Materials used will be



### Program for October “From San Diego to Cabo” By Guillermo Rivera

The Baja Peninsula is one of Mexico's richest areas for plants. Cactus species are abundant, *Ferocactus*, *Echinocereus*, *Mammillaria*, *Stenocereus*, *Lophocereus* and of course choyas! Because of its isolation the peninsula includes quite a few endemics, like *Pachycereus pringlei*, *Echinocereus lindseyi*, *Lophocereus schottii*, among others.

Many other interesting plants grow in Baja: *Dudleya*, *Agave*, *Fouquieria*, *Euphorbia*, *Beaucarnea*, etc.

The scenery is spectacular, clear water, beaches, and of course, the visit to a few islands complete this magic trip!

Guillermo Rivera was born in Argentina and is owner of South America Nature Tours (former Cactus Expeditions), a company dedicated to the organization of tours for the last 12 years. The tours take place throughout South America (Chile, Argentina, Brazil, Peru, Colombia, Bolivia, Ecuador), Mexico and South Africa, with emphasis on plants (bromeliads, cacti, and orchids), and birding.

Guillermo was a researcher at the University of Cordoba, Argentina. He earned his BS degree in Biology University of Cordoba, MS Marine Biology. Northeastern University. PhD in Botany University of Cordoba.

Next year South American Nature Tours planning another trip to South Africa and Baja California, as well as a new trip to Madagascar. Both of these trips will focus on the succulent flora of these places.

If you wish to be kept informed about our future trips, please send email to Guillermo at [rivera@intecar.com.ar](mailto:rivera@intecar.com.ar) or [info@cactusexpeditions.com](mailto:info@cactusexpeditions.com) or visit website: [www.southamericanaturetours.com](http://www.southamericanaturetours.com)

### 2013 & 2014 UPCOMING EVENTS

**Nov 2 & 3:** San Gabriel Cactus & Succulent Society Show & Sale, 9am-4pm, LA County Arboretum, 301 No. Baldwin Ave., Arcadia, CA.

**Dec 14:** SDCSS Holiday Party in Room 101, The Prado, Balboa Park

**Feb 8:** SDCSS Winter Show and Sale, Room 101 and courtyard, Prado Bldg, Balboa Park 9 to 4

**If your last name starts with A-M please bring snacks to the next meeting**

## Plant of the Month By Don Hunt

Originally I had thought to title this article, "Succulents you must own". When considering writing an article, problems with the subject that seem considerable can manifest as insurmountable and so this topic was rejected. The basic premise still applies to my topic, which now is

### DWARF SPINELESS *EUPHORBIA*S OF SOUTHERN COASTAL MADAGASCAR.

The reason I consider this group to be essential for succulent collectors

1. Pretty hardy considering Madagascar succulents as a whole.
2. Can be grown as small root bound specimens for space challenged collectors, or potted up to moderate size.
3. Well adapted to shade or filtered sun, can take our inland heat. No frost, though.
4. Lots of variation, especially in the *Euphorbia francoisii* complex.
5. A natural for succulent bonsai staging.
6. Unrealized hybridization potential. The world is waiting for big caudex with *E. francoisii* leaves.

Looking at the group as a whole, we have a more or less prostrate form with thickened arms, leaves clustered around the end of the branch, which may have a curious paper like bristle. There frequently is a caudex or tuber, which can be raised for effect. As with all *Euphorbias*, carefully avoid contact with the latex-sap. In habitat, the larger species are mat formers. Werner Rauh, in Succulents and Xerophytic Plants of Madagascar, considers these southern *Euphorbias* to have little close affinity with the northern *E. milii* complex. These southern species grow in sand dunes along the coast or *Alluaudia procera* forests. They take filtered sun or considerable shade. They don't need a prime growing spot in our collections. They are slow growers and like a fair amount of water, especially in the heat of summer. Like a lot of succulents, the trick in the winter, is to keep the roots healthy so the plant doesn't have to reestablish them in the spring. Light watering without drenching the soil is the answer. The soil mix I like is the same I use universally, one measure coarse pumice. I screen the pumice to take the fine dust out. One measure similar sized DG, and half measure potting soil. This drains quickly, but traps small moisture. I use as little tap water as possible, since the minerals not only collect on the pots, but must also coat the roots. Propagation is by seed, leaf and cutting. Many *Euphorbias* can cross pollinate. I have seen several hybrids offered for sale. If multiple species are kept in close proximity, ants will be attracted to the flowers and identity will be in question.

The species:



#### ***Euphorbia francoisii***

Grows natively in sandy soil near the Vinanibe coast, in the open or beneath low bushes. Probably the premier, must have, plant of this group. Variable leaf shape, even on the same plant, variable leaf color and pattern.. Enough variation to make them the object of careful hybridization, normally reserved for *Haworthias*. Leaves can be shades of green, almost to black, white to silver, with red veining. Subterranean napiform root, which can be raised for bonsai effect. Has one beautiful subspecies, *E. francoisii crassicaulis* fairly new in cultivation and somewhat difficult to find.

#### ***Euphorbia capsaintmariensis***

A prostrate species living on a flat limestone terrace in straight sand dunes about 100m above sea level at the very tip of Southern Madagascar. Leaves are green to red brown with wavy undulating edges. May grow in a more erect posture in cultivation when not subjected to the constant wind of Cap Saint-Marie. Forms a taproot or caudex.

#### ***Euphorbia ambovombensis***

Tuberous dwarf that grows in deep shade. Leaves have wavy or crinkly edges. When kept in bright sunlight, the leaves will be dark purple. Produces a large white caudex.



**DWARF SPINELESS EUPHORBIAS OF SOUTHERN COASTAL MADAGASCAR. (cont)*****Euphorbia cylindrifolia***

Named for its cylindrical leaf. The leaf looks round with a groove along the upper edge. *Euphorbia cylindrifolia* var. *cylindrifolia* forms large stoloniferous mats. Grows in the thorn forests on the western side of extreme southern Madagascar.

Subspecies *tubifera* also grows in the thorn forests dominated by *Alluadia*. I consider it the more collectable forms since it produces a distinct caudex with time, when grown from seed. Grows readily from cuttings, but they only produce fibrous roots this way.

***Euphorbia decaryi***

Sand dune species living between the spiny thicket areas to the west and the lowland forest areas comprising most of the eastern side of the island. Mat forming species spreading horizontally by means of rhizomes.

There are several varieties, any of which may be synonymous.

***Euphorbia tulearensis***

*Euphorbia* Journal (Rauh) lists this as a variety of *capsaintmariensis*. Succulents and Xerophytic Plants of Madagascar (Rauh) gives it species status. Pretty plant, not common in cultivation. Definitely a miniature, doesn't develop the long, sprawling arms of *Cap S*. Also develops a pronounced caudex. Type locality is the base of La Table, near Toliara.

If you are interested in adding some of these plants to your collection, my recommendation for suppliers are:

- Arid Lands in Tucson, especially if you are able to visit the nursery. That way you will be able to pick the exact plant you want from a good selection.
- <http://www.out-of-africa-plants.com>

**New Books for October.**

By Don Hunt

Every member of this club can probably sympathize with the problem of not having as much personal space as they might want for their plant collection. Plants are notorious for taking up 100% of the space available. If you aren't a bibliophile (book freak), you might not know the same affliction applies there also. So with great joy, I can tell you about 2 new books for the club library.

*The Genus Fouquieria* by Robert Scott. Since it's just a little bitty genus, it's a little bitty book, 59 pages on 11 species. It's a full size book though, 8.5x11 with reasonably good size habitat pictures. It's an inexpensive book at \$20 and it shows in the way the book is published. Still, it shows side by side of the flower, leaf and bark. This book's purpose is to compare the 11 species side by side. It does a reasonably good job of that. It's not comprehensive in the sense of what we look for in botanical publications. Really just a quick overview of the genus, but it does give pronunciation of (foo-KWEER-ree-uh). Now if only I can learn to pronounce *Furcraea* and keep them straight.

Now, coming in after *Agaves, Yuccas and Related Plants* by M&G Irish, *Agaves* by Gregg Starr, we now have *A Gallery of Agaves (including variegates)* by John Pilbeam. Absolutely a worthy addition to our library. After all, Pilbeam may be the best author we have on cactus and xeriphytic plants today. In a clever way, the book is perfectly laid out for *Agaves*, being bound 8.5 x 11 all right, but on the spine is on the short side. *Agaves*, after all, frequently being wider than tall. Most species are pictured in full page layout, nothing less than 2 per page. The book is first class, published by British Cactus and Succulent Society. You would have to ask someone more competent on the subject for critical discussion of the completeness of the contents. It seems very complete to me. There are even Caribbean *Agaves* covered and many others that are not readily available in cultivation. The pictures are first class in my opinion. They obviously represent a wild amount of field time traveling to very hard to reach places. These plants specialize in growing in marginal places. We all like *Agaves*, we all like picture books. We will all want to check out this one.



## Meet a Member —— Cactus Jordi

By Denise Huntsman-Griffin



Dr. Jürgen Menzel is a grower and plant explorer, specializing in cacti and seed collection, growing cacti since 1955 at age 15. Jürgen has traveled extensively and has seen most of the rare cacti in their habitat. He is known for growing difficult cacti, reproducing them and selling the seed. Jürgen is interested in mainly cold hardy cacti from the western U.S., southern South America and Mexican “extremists” like *Ariocarpus*, *Turbinicarpus*, *Pelecyphora*, *Aztekium* and the like. He has been to many localities where these plants grow. Jürgen discovered a new form of *Navajoa peeblesiana* and it has his name, *Forma Menzeli*.

Dr. Jürgen Menzel originally heard about our club while at the 1985 CSSA Convention at SDSU but he was living in Hamburg, Germany at the time. While in Germany, Jürgen worked as a chemist for 12 years, collected and grew cacti and belonged to the German Cactus Society (where he has been a member since 1965). There he had 2 greenhouses and several cold frames. At age 47, in 1987, he moved his 30,000 plants to Mallorca, an island of Spain where he then founded a cactus club. In 1999, he moved to California with 2,000 plants and a pile of paperwork (CITES and Phyto).



Since Jürgen has lived here in 1999, he has been a member of the San Diego Club and has been contributing to the club’s success in various ways. Jürgen has been working on the Baja Garden at the Wild Animal Park for 13 years to continue to fulfill a commitment our club made in the late 70’s to take care of it. In our club, Jürgen has quite an extensive trophy record. From our summer

show alone, he has earned 46 trophies since 2001 including “Best Cactus,” “Best Plant from Seed Grown by an Exhibitor,” “Best Euphorbia,” “Best Graft,” “Best Opuntieae,” “People’s Choice Award,” “High Points,” and “Judges Choice” as well as others. Articles Jürgen has written for our newsletter include: *Micropuntia* (May 2001), A Southwestern Tour (March 2002), *Turbinicarpus* (October 2002), *Peniocereus* (August 2005), A Dream Come True (August 2006), What’s the Status? (October 2007), A Sad Story (February 2011) and Plant of the Month- *Thelocactus* (September 2012).



Even while Jürgen was in the Army for 2 years he had a small collection of plants on his windowsill. Lucky for us, Jürgen had sold his stamp collection at a young age to fund and collect something more exciting than the stamps

he was collecting, rare cacti.

How to buy something from Cactus Jordi? Call for a visit to his home or ask for a seed list with about 500 species, which is published each fall by e-mail.

To see pictures and places for cactus taken by Jürgen, go to [Cactiguide.com](http://Cactiguide.com).

To see pictures of succulents from his private collection, go to [succulentguide.com](http://succulentguide.com).

Jürgen with other volunteers at the Park circa 2000



## Coffee in the Garden Open House at Peter Walkowiak's

You have seen some of Peter's plants at various shows, but there are many more to see. Not to mention seeing them all at once. Peter will also have is sales inventory available with very nice discounts.

Peter and Inacia will provide snacks, lemonade and iced tea. If you'd like something with more spirit, please feel free to bring it along. Party to follow until we're too tired to party. After three when the party starts, the keg will be tapped. Party food will include pork on the smoker and chips & salsa.

Saturday, October 5th, 2013  
Open House is 1:00 pm - 5:00 pm

1172 Avocado Ave  
Escondido, CA 92026  
Peter's Cell# 858-382-1797  
Inacia's Cell# 760-415-5015  
**Please RSVP**

**Directions** (don't trust GPS or MapQuest)  
15 Freeway to El Norte (1 exit north of 78 Freeway)  
From south bound, turn right  
From north bound, turn left  
1st street east of the Freeway, turn right on 7 Oaks  
1/4 mile - left on Borden  
1/2 mile - left on Avocado Ave  
1/4 mile - left on unmarked cul-de-sac  
the cul-de-sac is part of Avocado Ave  
End of the cul-de sac - on the right

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## Garden Visit & Sale at the Miller's October 26th 10 to 1



Since it is coming up on the 45th anniversary of the night BJ and I met (Halloween of course) we thought we would invite you out for a morning in the garden. Since some of you may want to preview you Halloween costumes feel free to wear them to the event. You will be able to view the famous *Opuntia halloweenensis* while you are here.

It's been another year and the plants are bigger, several *Agaves* have bloomed and I've added a small greenhouse. We'll have treats and BJs great coffee and a chance to enjoy each other's company.

There will be plants for sale. Lots of *Gasterias*, *Haworthias* and *Aeoniums* at the start of their growing season and other plants too. Once the last of the Santa Annas are done in October it is the perfect

planting time for winter growing succulents. I also have lots of small to medium sized clay pots that will be for sale. The sale proceeds go towards supporting the construction of the greenhouse at the Zoo Safari Park

10042 Waynecrest Lane Santee  
Call 619-258-9810 if you get lost.



52 east to Mast. East on mast to Cuyamaca (left), go one block and turn right on Beck, down 6 blocks and turn left on Waynecrest. Middle of the block on the left.

8 east to 67 east. Exit at Magnolia/Prospect. East on Magnolia for lots of stop lights. Left on El Nopal. Up 3 blocks and turn left onto Waynecrest. Halfway down the block on the right.

## A Call to All Artists

The SDCSS would like to test the waters to find out how much interest there would be in designing a line of prints for T-shirts by, for, and about the SDCSS and the plants we love. If you think you have the talent and motivation for such an endeavor, by then all means drop us a line or send in your submissions to [c.miller@cox.net](mailto:c.miller@cox.net) and I will forward it to our Chair for this project.. Any nice graphic of a succulent plant, plants, or landscape will be considered but of special relevance would be, of course, San Diego county native plants and scenery. We look forward to hearing from you!

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## New SDCSS Website

Be sure to visit our newly revised website. Paul Maker spent the last couple of months revising and updating our website. With Collette Parr and Paul Maker managing the content I know we will stay more up to date and be able to provide you with more information.

You can now renew your membership online!

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SDCSS Annual Picnic at Admiral Baker Field was enjoyed by all. Special thanks to Steve Harris and Bill O'Daniel for planning and cooking. Couldn't have done it without you to Joe Kraatz and Anthony McFarland for bringing the drinks and ice. Thanks also to Cathy Clark and Jean O'Daniels for preparation and clean up. And to the Candy & Jerry Garner for helping with the cleanup.



# *Gasteria*

by Tom Glavich

Reprinted from the San Gabriel Valley Cactus and Succulent Society Newsletter

*Gasteria* is a popular and easily grown genus of plants that has been collected and kept as house plants since the 17th century. *Gasteria* are readily distinguished from *Aloe* and *Haworthia* (both very close relatives) by the shape of their flowers. *Gasteria* flowers are carried on a long scape (leafless flower stalk). They generally hang down as they open, and have a swollen (gasteriform) portion at the base of the flower. The word *Gasteria* comes from the Greek "gaster" meaning stomach or belly.



*Gasteria* vary in size from about an inch to several feet in diameter. Almost all plants start out with the leaves in two rows (distichous), although most eventually begin to spiral, either remaining in a distichous spiral, or changing into a rosette form. *Gasteria* are very variable in appearance. They have definite juvenile and adult forms, have local variations in appearance, and have form and growth habits that are dependent on the soil type and amount of sunlight.

Typical natural habitats are humus rich, sandy soils. They grow on dry rocky hillsides and generally grow under larger shrubs, particularly when young. They also can be found in rock fissures or in the shade of large rocks. The roots are shallow and thick, and this helps the plants obtain moisture from barely wet soils, and nourishment from decaying leaves and debris from larger shrubs.

*Gasteria* cultivation is easy. They are mostly winter and spring growers, but exhibit some growth all year except for the hottest part of the summer. They are tolerant of almost any growing mix, although they do best with high organic content mixes, similar to their natural growing conditions. They prefer partial shade, particularly in the afternoon, however the best color is obtained by giving them as much light and sun, short of sunburn, as possible.



*Gasteria* are generally free from most pests. The one difficulty is 'black spot', a fungus that attacks many *Gasteria*, particularly large, show quality plants. The fungus is rarely fatal, but causes large unsightly black spots on the leaves. There is no way to remove the spots, and since the leaves remain on the plants for several years, the fungus can quickly ruin show plants. The fungus can be minimized by keeping the leaves dry, and particularly keeping dew off the leaves. It can be prevented by regular application of systemic fungicides, but vigilance is required. Funginex is a popular rose fungicide that works well on controlling black spot.

**Gasteria** (cont.) *Gasterias* are readily propagated from offsets at the base, which can be simply pulled off and planted. Leaf cuttings will also root easily. *Gasterias* left in the open in California will be rapidly pollinated by hummingbirds, although the resulting seed is then an uncontrolled and unknown hybrid. Controlled pollination is easily accomplished with a small brush, or toothpick. Seed can be collected as soon as the fruits start to dry.

*Gasteria* hybridize easily, and cross pollination can produce interesting plants. A number of hybrids are available, as are several variegated and at least one monstrous cultivars. Intergeneric hybrids with *Aloes* and *Ha-worthias* are also available.



Selected species include:

***Gasteria nitida var armstrongii*** (usually found as *Gasteria armstrongii*) This is a small plant, with distichous leaves only a few inches long. The leaves are dark green (almost black in some cases), and are tuberculate (covered with small bumps) It offsets freely from the base, forming nice clumps. Larger specimens can be obtained by over-potting.

***Gasteria batesiana*** is another of the dark green tuberculate species. The leaves spiral with age to form rosettes. The plant is much larger than *Gasteria armstrongii*, and the tubercles are often a lighter green than the main body, giving the plant a speckled appearance.



***Gasteria carinata var verrucosa*** (often found as *G. verrucosa*) is a lighter colored species. It is larger than *G. batesiana*, with thinner leaves, The tubercles are much larger, and often merge into large areas of glaucous green on a dark green background.

***Gasteria carinata var carinata*** cultivar 'Grat Brak' often found as *G. schweickerdtiana* is a particularly beautiful plant. In this cultivar the tubercles on the underside of the leaves form bands. Tubercles also merge on both the upper and lower leaves to form glaucous green stripes on a dark green background.



*Gasteria rawlinsonii* from Chris' collection. Definitely at outlier in the *Gasteria* world

## Future Coffee in the Garden Events

If you are interested in sharing your wonderful garden with other members let me know. The schedule is pretty open for the rest of the year. If you would like to see another member's garden make the suggestion and I can check to see if they were interested. If this is a program you would be interested in managing let me know. Chris Miller— c.miller@cox.net

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

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

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

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

**Signage Chair:** to develop and post signs for the sale

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

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

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

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## Plant Rescue

I get several e-mails a month from people looking for new homes for plants both in the ground and in pots. Usually the plants are large. If getting information on these kinds of plants interests you let me know and I will pass on the information. Chris.

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## Zoo Safari Park Greenhouse & Old World Succulent Garden

We have received an estimate and drawings from Conley Greenhouses for the greenhouse we want to build behind the Old World Succulent Garden. The greenhouse would support the Old World Succulent Garden and the Baja Garden. I met with Cary Sharp the 23rd of July and requested a grant to cover the costs that we don't have the money for. Once the Zoo finishes reviewing the drawings and decides on permits, etc. we will start looking for volunteers for framing and pouring the cement foundation and erecting the greenhouse. The current plans include a 30' by 48' floor plan. The area originally promised for the greenhouse is still available.

Susan Lafreniere, with assistance from May Fong, is developing a data base of plants in the Old World Succulent Garden. She is currently working on the Aloes. If you are interested in helping with this project we need people who are knowledgeable about *Aloes*, *Euphorbias* and *Pachypodiums*. If you want to learn about those plants that works too. Part of job involves identifying the plant on site and part involves research. We will use this data base for signage for the garden and to support accreditation of this Garden. Contact Chris Miller if you are interested.

**SDC&SS MEMBERSHIP APPLICATION / RENEWAL FORM**

Dues are \$15.00 per year per individual, and \$5.00 per year for each additional household member. Newsletter is E-mailed. **Mailed paper copies are available for an additional \$5 a year.** Each member has all the rights and benefits of the organization.

Annual Dues (E-mail Newsletter) \$15.00 \_\_\_\_\_  
 (Paper Newsletter) \_\_\_\_\_  
 First class delivery USPS \$5.00 \_\_\_\_\_  
 Annual Dues – International (Paper) \$30.00 \_\_\_\_\_  
 Additional Household Member(s) \$5.00 \_\_\_\_\_  
 Amount Enclosed \$ \_\_\_\_\_

Check **ONE** for type of membership:  
**NEW** \_\_\_\_\_ **RENEWAL** \_\_\_\_\_

**Member Information:**  
**(Please PRINT to fill in ALL blanks below!!!)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City and State: \_\_\_\_\_

Zip + 4: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Cell/FAX: \_\_\_\_\_

E-mail Address \_\_\_\_\_

Additional Household Members: \_\_\_\_\_

**Do you wish to receive E-mail notifications of Club events and issues?**  
 Yes \_\_\_\_\_ No \_\_\_\_\_

**Mail this form or a copy, along with a check or money order payable in US Funds to SDCSS to:**

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

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

*San Diego Cactus & Succulent Society*

**Executive Board**

President: **Kelly Griffin**  
 Vice President: **Chris Miller**  
 Secretary: **Jennifer Harris**  
 Treasurer: **Christine Vargas**

**Directors**

**Peter Walkowiak**  
**Pat Marshall**  
**Rick Bjorklund**  
**Chris Dawson**  
**Kienan Parr**  
**Geoff Twitchell**

**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**  
 Grants: **Jerry Garner**

Sales, Meetings, Plant Sales & Supplies  
 Membership: **Paul & Carol Maker** [pdmaker@roadrunner.com](mailto:pdmaker@roadrunner.com)  
 Mailing: **Jean & Bill O'Daniel**  
 Annual Sales: **Chris Miller & Joe Kraatz**  
 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: **Tom DeMerritt & Joe Kraatz**  
 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**

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It runs in the family. This is my two brothers and sister as the Marx brothers. We had no idea we were so like minded until years later



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