



Espinas y Flores

The Newsletter of the San Diego Cactus & Succulent Society

Affiliated with the Cactus and Succulent Society of America

Volume 46 Number 3

March 2011



Program: Woody Minnich
“Peru, From the Sea to the Sky”

Plant of the Month: Don Hunt
“Euphorbias of Somalia”

Feature Article: Andrew Wilson
“The Biggest Dragon Trees”

Results from the Winter Show

Saturday, March 12, 2011, 1pm to 4pm
Casa Del Prado, Room 101
Balboa Park

Plant Sales Begin at 10am

PRESIDENT'S MESSAGE

26 February 2011



While intellectually I understand the need for rain, emotionally I am all over it. So are my cats. At least they are estimating 8 days of sun before it rains again. Our volunteer day was supposed to be today at the Old World Succulent and Baja Gardens at the Park formerly known as Wild Animal. We will try for next Saturday the 5th of March. If you are interested in coming up for 4 hours and doing some weeding, planting and general clean up please send me an e-mail at c.miller@cox.net. We will try for a second Saturday work party the 26th of March. If it rains that day I will never set a date that far in advance again!

Our Winter Show and Sale was a great success on all levels. We tried something a little different this year and it worked out very well. We rented a 30 x 30 tent and held our show out in the courtyard. This left room for putting 30 vendors in Room 101. We also set up our information table and SDCSS sales items out in the courtyard.

Set up on Friday night was accomplished by **George Plaisted, Peter Walkowiak, Sara Schell, Brian Shepherd, Susan Hopkins, Steven Frieze, Jeremy Walkowiak, Judy Walkowiak and Ed Case**. Since we can't get into Room 101 until after 9pm and have to out by 10pm this can be a significant sacrifice if you have to be back at 7am the next morning. But having the sale and show tables in place when we got in the door at 8am the next morning made a huge difference.

We had most of the sales plants in the door and 75% set up by 8:30am and were ready to go at 9am for the Members Only shopping. **Kathy Harris and Candy Garner** ran a bang up business renewing and signing up new members out under the pop up at the curb. **Chris Worton** ran the security team during the whole event with the support of **Ron Chism, Steve Harris, Sharon and Ed Worth, Rich and Estela Ryan, Melissa Worton, and Steve Salley**. For ventilation in room 101 we opened the side door and **Kienan and Collette Parr** stood duty there, with some help from their friends.

I can't say enough about our cashier teams. We tried a different configuration for the registers this year by putting them all on one side of the room. There were some hiccups, but with sales close to what they were last year, the line was not as long and moved much faster. **Jim DeForest** forged through the day with a sinus infection and still led his team to success. The teams included **Joe Kraatz and Lynn Elliott** on the credit card machines (yes we now have two), **Sarah Clayton, Linda Stewart, Cathy Clark, Jessica McGee, Beth Dargan, Peggy Katz, Michelle**

Heckathorn, Tom and Katya DeMerritt, Pat Marshall, Suzy Perkins, Linda and Helmet Lange, Jeff Port and Jo Moore. A large number of these volunteers spent the entire day at their post with a short break for lunch. Special thanks to them!

Pam Badger and Carol Jean Wolcott did a great job in the kitchen. An army of succulent nuts needs to be fueled! They were supported by **Laura DeMerritt, Eloise Lau, Dan Kinnard, Penny Summerville** and a host of others who brought in dishes to delight us all. More than one of the out of town vendors commented on how we had the best food of any club running a sale.

The SDCSS sales table was run by **Susan Hopkins and Judy and Gene Walkowiak**. We debuted our new Anniversary T-shirt and it was a hit. We will have all those items out for sale at our March meeting. **Jeanette Dutton and Donna Couchman** manned the SDCSS information table with some help from **Laura Eubanks** and her alligator. **Elizabeth Glover** managed the plant holding area with her usual energy and had a steady stream of visitors to keep her company including me.

Peter Walkowiak put a lovely show together and I think it drew in more visitors for our sale. The open judging was accomplished by **Kelly Griffin, Michael Buckner and Mark Fryer**. **Susan Hopkin's** clerking team consisted of **Michelle Picket, Ed Wirth, Judy Walkowiak, Alison Baldwin,** and Jennifer and **Madalyn Harris**.

I know I have missed a few of you who volunteered. Know that you have my sincere thanks for a job well done. An event like our show and sale does not just happen it takes teams of people who know what they are doing and that is what we have in the SDCSS. Thank you all sooooo much.

If you don't yet have your new membership card, stop by the information table at the meeting and pick it up. Renewing members must pick up their cards — new members receive their first card by mail. Your membership card is necessary for checking out books, getting into the June Show during Members Only shopping, and soon it will entitle you to discounts at participating nurseries.

With the CSSA Convention just two months away we are swinging into super overdrive. The volunteer teams will meet at 11am before the March meeting. I will put out an agenda before the meeting. We will also have a rough work schedule at the March meeting so you can start filling in time slots.

I attended my first convention in my first year of SDCSS membership. I learned a lot and it was a great exposure to our hobby. What I really enjoy now is picking up a book, knowing that I have met the person who wrote it or listened to them speak on that topic. I highly encourage anyone either new to our group or a veteran of many succulent events to

sign up for the convention. You will enjoy it.

We are looking for a Treasurer for the new board. The outgoing treasurer is willing to do a multiple month turn over so you don't have to do everything at once and it will be a great learning relationship. If you are interested in knowing what the job entails please contact me.

The Club web page, www.sdcss.net, is coming along nicely. We are looking for member nurseries and landscapers that would like their information on our web page. If you have input or recommendations for our web page please let **Candy Garner** know at cgarner1@yahoo.com. Please use "web page" on the subject line of the e-mail.

Over the last several months I have received several requests from people to remove plants from their yards. Either the spouse who enjoyed them has passed away, or they just bought the house and have small children ,or for some reason, they just don't like succulent plants (go figure). I think we need a Plant Recycling team. So if you are interested let me know. For new members this is a great way to get larger specimens or cuttings for propagation. We could also sell plants for the SDCSS as a fundraiser. Just some thoughts.

I look forward to seeing you all at the March meeting. Enjoy your gardens and pull those weeds before they get taller than you are.

Chris Miller



Mark your calendar now!
CSSA 2011 CONVENTION
April 24 - April 29, 2011
Marriott Hotel - Mission Valley
San Diego, California
Watch for future updates
www.cssainc.org
Hosted by the San Diego Cactus & Succulent Society

Confirmed Speakers

Debra Baldwin
Dr. Rudi Dorsch
Julia Etter
Tom Glavich
Andrew Hankey

Tom Knapik
Martin Kristen
Marlon Machado
Todd Masilko
Dr. Matt Opel

Jackie Poole
Dr. Jon Rebman
Guillermo Rivera
Gideon Smith
Karen Zimmerman

Peru

From the Sea to the Sky Wendell S. (Woody) Minnich 2011



This presentation is my total experiences of four trips into Peru. We will cover most of the regions rich in cactus and succulents, from Cajamarca in the North to Arequipa in the South. I will feature the towns, the people, the animals, and of course, the cacti and succulents of this historically important country. We will also encounter the many amazing plants that survive in the coastal sand dunes as well as the wonderful species that inhabit the highest elevations of the Andes.

The genera of cacti and succulents that we will see include: *Austrocylindropuntia*, *Haageocereus*, *Armatocereus*, *Melocactus*, *Mila*, *Puya*, *Echeveria*, *Oroya*, *Matucana*, *Lobivia*, *Trichocereus*, *Weberbauerocereus*, *Peperomia*, *Oreocereus*, *Espostoa*, *Corryocactus*, *Cumulopuntia*, *Cleistocactus*, *Browningia*, as well as many of the *Bromeliads*, especially the *Tillandsias*. I will try and give insight into the habitats and the conditions in which most of these plants grow and how you may apply their field growing conditions to help improve their cultivation.

Peru is a very fascinating and romantic country with a turbulent history. It has a very unique culture that has evolved from the Inca to their Spanish conquerors and beyond. As of today, they have developed some very complicated relationships with their neighboring countries of Brazil, Bolivia, Argentina and Chile. From the mysterious Nasca lines to the ruins of Machu Picchu, Peru has a wealth of intrigue as well as a tremendous number of endemic plants with very specialized habitats.

Biography

Woody, as he is commonly called, has been in the cactus hobby for some 41 years and has become well known for his participation in many of the cactus and succulent clubs. He is an honorary life member of seven clubs as well as a life member of CSSA (Cactus & Succulent Society of America.) He has served in almost all positions of leadership from president, to newsletter editor, to show chairman and so on. He is also known for his extensive field work studying primarily the cactus family. He has traveled throughout the United States, Mexico, Chile, Argentina, Brazil, Peru, Bolivia, Africa, Yemen and Socotra. From these trips he has developed an extensive knowledge of the cactus family as well as many of the other succulent genera.

Woody is also known for his many presentations. His photography is considered to be special and his commentary very entertaining and educational. He is a recognized international speaker and has spoken for plant conventions - organizations all over the USA, as well as in England, Germany, Australia, New Zealand, Argentina and Mexico.

Plant of the Month

“The Euphorbias of Somalia”

Don Hunt



While it is unusual for a plant of the month presentation to be attempted on a botanical region, the dwarf euphorbias of Somalia are quite unusual, and it is so unlikely for that country to be open to Western travelers in our lifetime that I would like to share my curiosities. Somalia is a dry tropical desert. The entire country lies between the equator and about 12 degrees north latitude. Much of Somalia is a peninsula, with the Indian Ocean to the east and the Gulf of Aden to the north. The mountains in Ethiopia to the east do not drain to the sea for the most part, depriving the Somali plain of surface water. The deserts generally get less than 10 inches of rain, and most of that runs off due to the hard-pack clay nature of the soil. Somalia has a tropical but not torrid climate, and there is little seasonal change in temperature. In the low areas the mean temperature ranges from about 24° C to 31° C (75° to 88° F). The plateau region is cooler, the southwest region warmer. The periodic winds, the southwest monsoon (June–September), and the northeast monsoon (December–March) influence temperature and rainfall. Rain falls in two seasons of the year: heavy rains from March to May, and light rains from September to December. An article in The Euphorbia Journal about a 1987 trip to Somalia mentions cold nights with heavy dew in November. Average annual rainfall is estimated at less than 28 cm (11 in). Droughts are not infrequent.

I have noticed that, in general, these plants are very sensitive to water. Plants on their own roots that have vestigial leaves will quickly leaf out (and drop their leaves just as quickly) or flower repeatedly when watered every week in season. Mostly, growth is slow, if steady. The Somalia euphorbias in my collection, which are on grafts, do not have the same growth patterns I have seen in photographs of habitat plants. Grafted plants will be much larger, with more exposed surface between thorns, or more spherical, where the habitat plant probably was flat to the ground. Grafted plants are more readily available for several reasons. They are akin to other dwarf euphorbias in the difficulty of setting seed, collecting the little projectiles when they are ripe, and germination. It seems to my limited experience that the viability of the seed varies and may be quite short. Mostly, it seems that seedlings on their own roots are pretty hardy and a reasonable risk at purchase. I have had several unpleasant experiences with the stock of grafts failing, once on *E. columnaris* and once on *E. gymnocalycioides*. Why this would be, I do not know.

In general, my observations about Somali euphorbias and cross-overs,

with exceptions, is that they fall into three general categories: spherical, including elongated; spiny; and clumping, or multi-headed. Of course some of the spiny have multi heads, and just to make things really weird, *E. horwoodii* starts life as a spherical and becomes a branched thorny along the way. I would love to grow *E. horwoodii* from seed, as the grafted specimens available are invariably grafts of adult material and grow in matured form. The pictures I have seen of habitat plants of *E. horwoodii* look so much different from grafted plants, maybe as much of a difference as of any plant material from culture to habitat.

The plants I have to show as examples of the spiny dwarf euphorbias from Somalia are *E. schizacantha*, with its cool patterned skin and forked spines, and *E. horwoodii*, with a similar patterned skin.

My multi-headed specimens are *E. mosaica* and *E. sepulta*, which are both on their own roots and are probably pretty natural in appearance. *E. multiclava* is one that I have never seen on its own roots, so I can only speculate how it grows on its own roots in cultivation. Also multi-headed but with spines is *E. phillipsioides*, or *phillipsiae*, as the case may be. This is one the taxonomists probably haven't had enough material to work with to sort out. The variability of the species may account for separation. This species grows much faster and blooms better on graft and doesn't look so bad either. I have both to show.

The sphericals that I have to show are *E. turbiniiformis*, *E. piscadermis*, and *E. gymnocalycioides*, which is actually



E. columnaris



E. horwoodii



E. mosaica

from the nearby grasslands of Ethiopia. *E. columnaris*, just like the name says, grows in a columnar form, although rather slowly and with much less spination than appears to be the case in nature. Most of the articles I have read on the subject seem to feel this plant is almost gone from the wild. It's not too difficult to find for sale but always seems to be on grafts.

In addition to the fabulous euphorbias, Somalia is also home to *Cyphostemma betaformis* and *Dorstenia gypsophila*, which both have unnatural looking sculptural trunks. There is also a whole group of some of the most desirable asclepiads, including *Whitesloanea crassa*, and *Pseudolithos*. All in all, it has more than its share of strange plants.

Africa has undergone considerable natural climate change in the last 2,000 years. The Sahara is known to have swallowed ancient cities, forests and marshes. Giant crocodile fossils have been unearthed under the sand dunes. In Roman times, Northern Africa was the major wheat growing area of the empire. Northeastern Africa could have had a much different climate and the plants we are examining here only the vestiges of a considerably different family.

Photos provided by **Don Hunt**

CENTERPIECES FOR THE CSSA 2011 CONVENTION

Linda Stewart & Sarah Clayton

Many thanks to those of you who have been kind enough to donate plants and containers to us – they are all great and we appreciate your help and support.

This is our last call for donations – specifically if you have planted up cuttings in those green boxes now is the time to turn them in. In addition we could also use topdressing, marbles, beads, pebbles, sphagnum moss, coir, ornaments and decorations to adorn the creations.

Please bring any of these items that you would like to donate to the March meeting. Thank you.



Photo from **Sarah Claton**

Linda Stewart, 858 488 8234, lbs@san.rr.com
Sarah Clayton, 858 705 1475, sclayton@san.rr.com

Succulent Plantings at Mission Valley Marriott

Art Cooley
Chairman of the Green Committee



The San Diego Chapter of the Cactus and Succulent Society of America (SDCSS) will host the national convention in late April. When our representatives, including members of the Green Committee, met with the staff of the Mission Valley Marriott where the convention will be held, we suggested that cacti and succulents should be planted in the flower beds rather than more delicate and water thirsty plants. The Marriott agreed to consider our suggestion. When I contacted them some weeks later to see if management had agreed, I was told that the plantings were already done. We had argued that cacti and succulents would reduce water use and decrease the frequency of replanting the beds saving money. The Marriott agreed with these reasons but more importantly we have learned that they are very pleased with the looks of the plantings. We are hopeful that the convention attendees will also be pleased with the effort that Marriott has expended to not only have a greener convention but also to have very attractive planters.



Photos by **Art Cooley**



Feature Article

“The Biggest Dragon Trees in San Diego”

Andrew Wilson



At one of our monthly meetings a few years ago the question came up as to where was the biggest dragon tree (*Dracaena draco*) in San Diego. Suggestions were made but there was no definite conclusion. Since then, I've made a few enquiries, looked at a few publications and sought help on the Internet. Here are the results.

Balboa Park has a number of fine, tall specimens in excellent condition that are well worth admiring. In the park setting they provide imposing subjects, some well over 20 feet tall.



Dragon tree at the Hotel Del Coronado

This specimen, at the Hotel del Coronado, offers possibly greater bulk if assessed by the number of stems. It achieved fame after its appearance in ‘Some Like It Hot’ with **Marilyn Monroe, Tony Curtis** and **Jack Lemmon**. Massive, well over twenty feet tall and much more across, they say it was planted on the grounds in the twenties.



At the Church of St. Phillip

Less well known but perhaps more massive is this fine specimen growing on the grounds of the Church of St. Phillip in La Jolla. Both of these trees and the larger ones in Balboa Park are imposing objects.

But to see the largest dragon-tree in San Diego one has to travel to the Muirlands area of La Jolla. There, on private property but quite visible from the street, stands a truly impressive specimen. It is over thirty feet tall and sixty feet across, with a buttressed trunk with a girth (circumference) at base of about twenty feet. It was planted almost a hundred years ago.



Dragon tree in Muirlands, La Jolla

By comparison with the Coronado specimen this tree is barely known. However, it is much taller and far more massive. So far as I can find, this is the largest specimen in the San Diego area, and probably in the country. It appears to be in excellent health, with no signs of disease or damage.

One wonders how long these trees will live and to what size they will eventually grow here. Occasionally, a large one falls, as happened to a specimen at Quail Botanical Gardens (now San Diego Botanical Gardens) about ten years ago. Such a collapse may be caused by exceptional rain or ground disturbance, leading to excessive weight in the limbs or to instability at the root. In their native habitat on the island of Madeira and on the Canary Islands off the northwest coast of Africa, where the climate resembles that of San Diego, they may live to a thousand years or more. A monster specimen observed by both **Charles Darwin** and **Alexander von Humboldt** in the nineteenth century was measured there at over 70 feet tall with a girth at its base of over 70 feet. It was estimated to be well over a thousand years old at the time of its destruction by a hurricane. As with other arborescent succulents the age of these plants can not be determined by counting growth rings. The largest specimen alive today is on the Canary island of Tenerife. Shown on the cover of the Newsletter with a Canary Island Date Palm and a tourist for scale, it is estimated to be over 600 years old. The owners of the large specimens in San Diego may need to consider what to do with theirs another hundred years from now.

Photos provided by **Andrew Wilson**

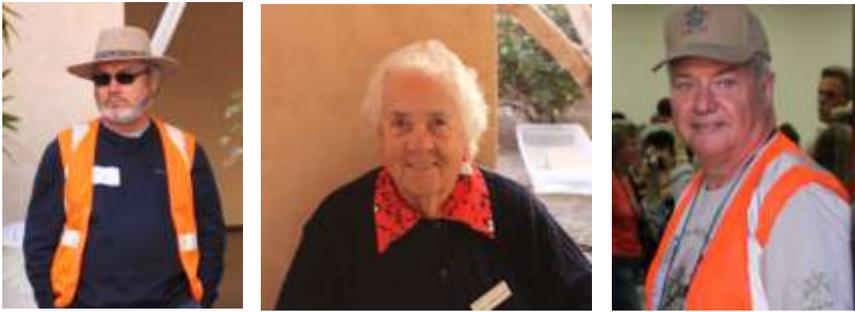
SDCSS HELP Wanted ADS

If you are looking for a way to help, here are some ideas:

Show Co-Chairs for the Winter and Summer Shows to assist Peter Walkowiak with planning, setup, etc	Ride Coordinator: Point of contact for those members who need a ride to meetings and those willing to give rides.	Trophy Sponsorship: We are in the process of updating trophies and are looking for donations to support the process.
Education Chair for Summer Show: Put together a program for education during the summer show	Membership Committee members to support the membership chair in providing membership services.	Trip Coordinator to coordinate trips, arrange bus contracts, destination requirements, etc.

Contact **Chris Miller** at c.miller@cox.net if you would like to volunteer or for more information on what the job entails. There isn't a better way to get to know other club members than volunteering!

Shots from the Winter show



Steve Harris, Elizabeth Glover, Ron Chism.
Succulents and Pachycauls for sale.
Cacti and a Monster-moea for sale. *Neoporteria* and Laura Eubank's "Lauragator."

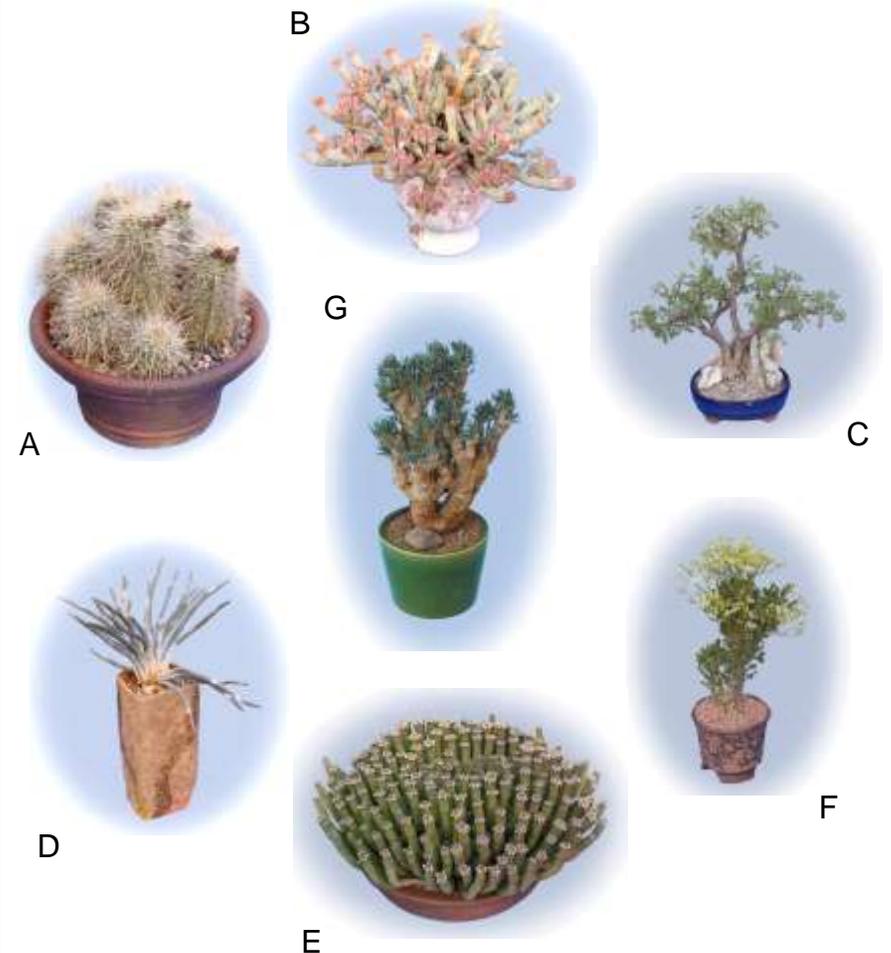
2011 Winter Show Prize Winners

NOVICE

- A. Best Cactus **Brian Shepherd**, *Echinocereus coccineus*
 B. Best Succulent **Gene & Judy Walkowiak**, *Euphorbia mammillaris*
 C. Best Winter Grower **Rudy Lime**, *Pelargonium alternans*

ADVANCED

- D. Best Cactus **Juergen Menzel**, *Digitostigma caput-medusae*
 E. Best Succulent **Peter Walkowiak**, *Euphorbia esculenta*
 F. Best Winter Grower **Peter Walkowiak**, *Pelargonium klinghardtense*
 G. **BEST IN SHOW** **Carol & Paul Maker**, *Tylecodon reticulatus*



ELIBET'S Corner



*Don't be afraid to go out on a limb
That's where the fruit is.*

El ectronic Espinas Y Fl ores

The newsletter is available for viewing and downloading at the Club website, www.sdcss.net. Take a look! All members are urged to accept the e-mailed version of the newsletter in lieu of a bulk-mailed hardcopy. Each month, you will be notified by e-mail of the availability of your next issue, the speakers and events at the next meeting, and other significant announcements. The electronic version contains extra color images not found in the hardcopy, and a high resolution version, from which fully detailed images can be downloaded, is also available. Also, any errors found in the hardcopy are corrected in the electronic version. To cancel your hard copy of the *EyF*, contact the membership chairperson **Collette Parr** at collette.parr@cox.net.

UPCOMING EVENTS

Mar 19: Annual Potters Sale and Master Growers Invitational Auction. Sales 9am till dark, auction starts at 1pm. Potters: **Joe Wujcik, Debbie** and **Charlie Ball, Karenn Ohlinder, Steve Pate**. Master Growers: **Vince Basta, Larry Grammer, Karen Ostler, Elton Roberts, Dave Tufenkian, Rene Caro, Tom Glavich**. At Caro Desert Nursery, 9607 E. Avenue S12, Littlerock, CA, 93543, (661) 456-0787. www.Carodesert.com, PattyCC4@yahoo.com.

Apr. 9-10: South Coast Cactus and Succulent Society Show and Sale at South Coast Botanic Gardens, 26300 Crenshaw Bl., Palos Verdes, CA. Info: 310-832-2262.

Apr. 16-17: Green Scene Plant Sale at The Fullerton Arboretum, 1900 Associated Road, Fullerton, CA.

Apr. 24-29: Cactus and Succulent Society of America Convention, San Diego, CA. Mission Valley Marriott Hotel. See included announcement, or go to www.cssainc.org

CSSA Corner March 2011 Buck Hemenway, Convention Chair



The biennial Convention of the Cactus & Succulent Society of America is coming up fast. Early registration allows for a \$100 discount, but must be made by March 1, 2011 to qualify. Don't miss the best presenters anywhere and the social fun of a World-Wide C&S gathering. There will be field trips, plant workshops, a Judges Workshop, Newsletter Editors meeting, Affiliates meeting among all of the other activities. Remember, San Diego, April 24-30, 2011.

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.

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 Editors. Please e-mail your articles to **Paul & Carol Maker** at pdmaker@roadrunner.com.

SDC&SS MEMBERSHIP APPLICATION / RENEWAL FORM

Dues are \$15.00 per calendar year per individual, and \$5.00 per year for each additional household member. Newsletter is E-mailed. Mailed paper copies of the newsletter 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 _____
First class delivery USPS (Paper Newsletter) \$5.00 _____
Annual Dues – International (Paper) \$30.00 _____
Additional Household Member(s) \$5.00 _____

Amount Enclosed \$ _____

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 want 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 Department
c/o Collette Parr
7924 Grape Street
La Mesa Ca 91941-6323**

If joining in months other than January, use the following to calculate your Annual Dues at \$1.25 a month: Feb - \$13.75, Mar—\$12.50, Apr - \$11.25, May— \$10, Jun—\$8.75, Jul—\$7.50, Aug—\$6.25, Sep—\$5, Oct—\$3.75, Nov—\$2.50, Dec—\$1.25. For First Class mail, use \$1.66 a month.
(Rev. C-1, 2010-10-05)

San Diego Cactus & Succulent Society

Executive Board

President: **Chris Miller**
Vice President: **Peter Walkowiak**
Secretary: **Candy Garner**
Treasurer: **Ken Blackford**

Directors

Steve Harris
Don Hunt
Jerry Garner
Cathy Clark
Kelly Griffin
Vanessa Nelson
Mark Fryer (ex-President)

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**, collette.parr@cox.net

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**

SD Botanic Garden: **Phyllis Flechsig**

SD Botanical Garden Foundation: **George Plaisted**

SD Floral Association: **Jeanette Dutton**

SD Wild Animal Park Baja & Old World Gardens: **Chris Miller**

Editors: **Paul & Carol Maker**, pdmaker@roadrunner.com

Webmaster: **Gunnar Eisel**

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