



Mammillaria thornberi

Espinas y Flores

The Newsletter of the San Diego Cactus & Succulent Society

Affiliated with the Cactus and Succulent Society of America

Volume 47 Number 5

May - June 2012



MAY MEETING AGENDA

Program: Guillermo Rivera
"Succulents of Western South Africa"

Plant of the Month: Tom Knapik
The "False Stones"

Mini Workshop: Peter Walkowiak
"Staging"

Summer Show Rules and Schedule

NEW! The Open Slide Show
(see the Presidents Message)

Saturday, May 12, 2012, 1pm to 4pm
Casa Del Prado, Room 101, Balboa Park

Plant Sales Begin at 10am
Workshop Begins at 11am

PRESIDENT'S MESSAGE

24 April 2012

Happy Spring... no, Winter... no, Summer, no -- what the hell is it with the weather? I will be very glad when it settles down. Unfortunately it will settle down to Summer in Santee and we will cook.

Our last meeting went well. **Peter Walkowiak** did a great job sharing how he lifts caudiciform type plants. The plants he used in the demonstration will be up for Auction at the June Show. The usual group of heroes were on hand to make the meeting run smoothly and despite some nasty weather on Friday and clouds Saturday morning, we still had a good turn-out.

During the meeting we had a slide show run by **Don Hunt** with pictures from various members showing plants they can't bring in, views of their landscaping and other interesting items. This will be repeated during this month's meeting. I did a slide show on *Echinocereus* for the plant of the month. The pictures were mostly from my yard. Of course two hot days the following week and I had blooms to die for, before the rain knocked them down. **Kelly Griffin** judged the Brag Table. **Jeremy Spath** took us to Mexico and Cuba. Since the majority of us have not been to Cuba it was very interesting.

Our Coffee in the Garden was at **Wanda Mallen** and **Gary Vincent's** home. They are wonderful hosts and have a very diverse garden. If you missed out on this visit they will probably be on a garden tour for another group some time in the next year. This month the tour will be to the garden and home of **Ric** and **Marilyn Newcomer** and while it is a long drive it will be well worth the effort. See the notice further on in the newsletter for details.

Candy and **Jerry Garner** and I are headed out to Tucson on the 25th of April to visit rocks and cactus and to attend the Sonora IX Conference. We'll let you know how that turns out at the meeting.

April and May are very busy months leading up to our June Show and Sale. Most of our operating budget comes from proceeds from the June Sale. It is important to get as many of your friends and family and strangers you just met to attend. Pass out show fliers, e-mail the fliers to interested people. Post them in local businesses. As members you can really help with this effort. We also need an army of Volunteers for this event. From the kitchen to security, sales clerks and straight muscle we can really use your help. **Susan Hopkins** will have the sign up list at the next meeting or you can e-mail me. Also we need your entries for the



Show and now is the time to start prepping and cleaning. As **Elibet Marshall** would say, walk through your collection and listen to the one's that want to go show off at the show.

December this year will be the last month for many of our current officers and directors. We have a two-term limit on positions and most are termed out. The Nominating Committee has been established and I am the Chair. If you have an interest in being involved with this organization at the board level or know someone you think would be an asset to the board please let me know.

We are looking at organizing a bus ride to go to the Huntington for the CSSA Show and Sale on Saturday June 30th. If you are interested in going mark your calendar. The cost will be around \$45 a person. This will include the bus trip and lunch. If you want to go into the Huntington you will be responsible for the cost of that. The CSSA Show and Sale are free to enter. Either put your name on the sign-up sheet and pay treasurer **Ken Blackford**, or give me a call at (619) 258-9810.

The board is looking for ideas for the picnic in September. If you have any thoughts let me know.

I'm looking forward to seeing you all in May, it should be a great meeting. Now go pull some more weeds!

Chris Miller

2012 SUMMER SHOW YOUR CHANCE TO PARTICIPATE Peter Walkowiak, Show Chair



The Summer Show is just a short month away and it is time to start thinking about which plants you are going to bring to the show. Last year there was a good amount of participation but there should have been more plants in the show than what showed up. The cacti part of the show was really lacking, we need your cactus this year. The Aloes were also sparse. For a club of almost 600 members we should have a show with well over one thousand plants - just two plants from every member and we could do it. Please plan on bringing in plants. What makes these shows a success is your participation. It makes me happy when I see the public commenting on how beautiful your plants are. If you would like to volunteer to help me with the show, Friday afternoon and Saturday morning, please contact me at the next meeting.

Note that newly redesigned plant tags are to be used beginning with this show. Pick some up at the meeting. More will be available at the show.

Plant of the month

Tom Knapik

The "False Stones"



The Asclepiad subfamily has given rise to some of the most interesting succulent plants in the world. The plants exhibit true convergent evolution to an ideal shape for extremely arid conditions and the flowers have been given the title "Orchids of the Succulent World" by Stapeliad grower extraordinaire, **Gerald Barad**. It is no wonder that we often have a few of these botanical wonders in our collections.

The genus that I find the most interesting in this diverse subfamily is *Pseudolithos*. Translated, it means "false stone" and is comprised of only a handful of species with very succulent stems. The type specimen was described by **Bally** (1965) from Somalia. Subsequent expeditions have turned up several new species all of which are from eastern Africa. Below is a list of the currently recognized species in the genus with some additional comments.

Pseudolithos migiurtinus (Chiov.) Bally

The most common species of the genus in cultivation, it is relatively easy to grow on it's own roots as long as you water carefully. During the warm summer months they can handle frequent watering but during cold weather should be kept dry. *P. sphaericus* is believed to be a synonymy.

Pseudolithos cubiformis Bally

P. cubiformis is from Somalia and has the largest flowers in the genus. I saw my first specimen in the collection of **Slava Vlk** of the Czech Republic in 1998. It has been successfully grown from



P. cubiformis flower. Photo by Chris Moore

seed and is now more widely available. I believe it is easier to cultivate than *P. migiurtinus*.

Pseudolithos eylensis

A recently discovered species from Eyl, Somalia. The town name also appears as Eil so the plant also circulates as *P. eilensis*. Many consider this to be no more than a variety of *Pseudolithos migiurtinus*. *P. eylensis* has a slightly different flower structure. **Miles Anderson** showed me images of both species next to one another and it was difficult to see the difference. The growth of *P. eylensis* can be described as less symmetric than *P. migiurtinus* by comparison.

Pseudolithos caput-viperæ

This species, from Somalia, has a different flower morphology than the other members of the genus. It is the smallest species with individual segments that are quarter size. It has jointed offsets which can be removed and rooted. However, it is difficult to grow and is usually grafted on *Ceropegia*. It is still very rare in collections. The photo at the right came from **Gerald Barad's** web site, <http://www.cactus-mall.com/stapeliad/index.html>



Pseudolithos harardheranus M. Dioli

This recently described Somali species (2002) has very small flowers. Until recently no seedlings were available. C & J Cactus Nursery has produced several seedlings as seen in the image at the right. It is still very rare in collections.

Pseudolithos horwoodi Bally & Lavarnos

A wonderful article was published in the CSSA Journal (Sep-Oct 1974) regarding **Frank Horwood's** discovery. Two plants were found but only one survived the trip to England. It



flowered and was deemed a new species. See image at right. Since that time, no other specimens have come to light. The only known specimen may have been aberrant and until more are found, the species has an undetermined status.

Pseudolithos gigas Dioli
Undetermined status. Published in the CSSA Journal vol.75, March-April 2003 No.2 by **Maurizio Dioli**, some believe this plant to be a larger specimen of *P. cubiformis*.

Pseudolithos dodsoniana* and *P. mccoysi

Both of these species have been moved into a new genus, *Anomalluma* Plowes 1993. They were placed in *Pseudolithos* by **Dr. Meve & Dr. Bruyns** but after DNA analysis Meve transferred them back to *Anomalluma*.

Cultivation

In an article I found on the web, "How **NOT** to kill *Pseudolithos cubiformis*" there is a discussion of the various techniques of keeping these plants alive. There are several key factors. Temperature should be between 60° – 80° (in winter, my plants survived 40° but they were bone dry, with regular water during the summer months). The growth medium should have little to no organic material. I use pure pumice along with a dilute liquid fertilizer during the summer months. One additional factor is fresh airflow. I believe this is essential for healthy growth.

Propagation

If you are successful growing this genus, you will be rewarded with some very interesting, albeit small, flowers. Due to their size the odor of decaying flesh, common in Stapeliads, is mild. I have tried pollinating them with a dissecting scope but was unsuccessful. Placing them outside and letting nature handle things is the easiest way. I set some horns on *P. migiurtinus* using this method and germinated the seed when the pods had matured. Growing them from seed is the best form of propagation. Fresh seed is a must as they lose their viability within a few months. Grafting is done to avoid root rot or save a plant.

At the meeting on May 12, I'll be describing these species, but if you have an interesting Stapeliad, please bring it, especially if it is in bloom. These flowers are as **Barad's** web page states, "Orchids of the Succulent World".



Pseudolithos horwoodii Bally & Lav. from Somalia

April 2012 Brag Table Winners Judged by Kelly Griffin



CACTUS

Novice

1st Place, **Kienan Parr** - *Mammillaria spinosissima* var. *pilcayensis*

Intermediate

1st Place, **Brian Shepherd** – *Echinocereus coccineus*
2nd Place, **Don Hunt** – *Leuchtenbergia principis*
3rd Place, **Brian Shepherd** – *Mammillaria mystax*

Advanced

1st Place, **Brian Shepherd** – *Echinocereus coccineus*
2nd Place, **Juergen Menzel** – *Echinocereus lindsayi*
3rd Place, **Peter Walkowiak** – *Echinocereus triglochidiatus*



SUCCULENTS

Novice

1st Place, **Pat Bryan** – *Euphorbia polygona* cv "Snowflake"

Intermediate

1st Place, **Candy & Jerry Garner** – *Pachypodium gracilis*
2nd Place, **Bev Grant** – *Dyckia* hybrid
3rd Place, **Bev Grant** – *Echeveria pulvinata*

Advanced

1st Place, **Peter Walkowiak** – *Euphorbia caput-medusae*
2nd Place, **Peter Walkowiak** - *Pachypodium succulentum* v. *grienceuse*
3rd Place, **Phyllis Flechsig** – *Euphorbia multiceps*



Submitted by **Candy Garner**



Show Rules

Read the Entry Notes below the Plant Entry Classification Schedule. The show is open to anyone who grows succulent plants. There is no limit to the number of entries per class or the number of classes entered, though no entry can be entered in more than one class. All property shall be marked with the owner's name, not visible to the judges. The exhibitor must have grown the plant for at least six months.

All entries must have properly filled entry cards and must be entered in the appropriate Division and Class to be eligible for awards. Exhibitors are responsible for placing these items with their entries. For the best plant grown from seed, the exhibitors must have raised the plant themselves. Plants may be species or hybrids. Hybrids may be exhibited in the class of either parent. Grafted plants will be accepted in any class, though awards for grafts will be selected from Division IV.

Entries must be clean, healthy (pest-free) and dry. Remove Plant Name Tags in pots (except for collections and displays). Awards must remain with exhibits until the close of the show. Classes with few entries may be combined; classes with too many entries may have a Class C added. The show committee reserves the right to reject plants or exhibits and to readjust entries for the good of the show. Show hours must be followed. The San Diego Cactus and Succulent Society will exercise due caution in safeguarding exhibits. However, SDCSS cannot assume responsibility for loss of property. Entries are judged against perfection. The judges' decisions are final. In the case of disputes, the show chair(s) shall make final decisions.

TROPHIES AND PLAQUES are perpetual, except the educational and novice awards. First, second and third place ribbons will be awarded in each class; however, should the judges feel that a first, second, or third place is not merited, no awards will be given. To receive the CSSA Award, two or more educational displays must be entered. The judges will award Rosettes to their favorite plants.

CACTUS

Best Cactus Phillip Corliss Plaque
 Best Novice Cactus SDCSS Plaque
 Best *Epiphytic* Cactus Plant William & Ruth Nelson Trophy
 Best *Mammillaria* Eilbet Marshall Trophy
 Best *Opuntiae* James & Shirley Berry Trophy

OTHER SUCCULENTS

Best Succulent Ruby Falk Plaque
 Best Novice Succulent SDCSS Plaque
 Best *Agave* Doris Rake Plaque
 Best *Aloe* Barbara Jeppe Trophy
 Best *Echeveria* Oliver & Sophie Loyland Trophy
 Best *Euphorbia* Russell & Lydia Evans Cup
 Best *Mesembryanthemum* Samuel & Adela Markey Trophy
 Best *Pelargonium* or *Sarcocaulon* Wilna Johnson Trophy
 Best *Sansevieria* Richard G. Latimer, Sr. Trophy

CACTI OR SUCCULENTS

Best Baja Plant Richard G. Latimer, Jr. Memorial Trophy
 Best Graft Bob & Suzanne Taylor Trophy
 Best Mexican Plant in Show Dudley B. Gold Trophy
 Best Plant Grown From Seed Tegelberg Family Plaque
 Best San Diego County Succulent Julianne Rice Trophy
 Best Miniature Monte & Mary Woodworth Plaque

Best Pachycaul or Caudiciform

Best Succulent Bonsai H. Warren & Virginia Buckner Trophy
 People's Choice Award Rudy & Teresita Lime Trophy
 Rose D'Attilio Memorial Plaque

DISPLAYS, EXHIBITS AND HIGH POINTS

Best Educational Display CSSA Award
 Best Exhibit Reuben Vaughan Plaque
 Most Artistic Display Walter & Hazel Scott Plaque
 High Points 50 or fewer entries James & Shirley Berry Trophy
 Sweepstakes Trophy Ronald & Marcia Monroe Trophy

Show times: Sat. June 2 10 - 3 Sun. June 3, 10 - 4 Set-up times: Fri. June 1, 12 - 8 and Sat. June 2, 7 - 8:30 AM for out of town participants only
 Sat. June 2, 10 - 5, Sun. June 3, 10 - 4 Sales times: Sat. June 2, 10 - 5, Sun. June 3, 10 - 4

Special SDCSS Members-Only Sale: Sat. June 2, 9 - 10

JUDGING SCALE - SPECIMENS, COLLECTIONS AND DISPLAYS

Condition 70%, Staging 15%, Size & Maturity 10%, Nomenclature 5%

TIEBREAKERS - WILL BE JUDGED BY THE HEAD CLERK OR THEIR APPOINTEE

EDUCATIONAL DISPLAY

Two or more entries must be exhibited for CSSA award. Educational Value 80%, Staging & Originality 20%

AWARDS POINT SYSTEM

Divisions I, II and IV, 1st-3 pts., 2nd-2 pts., 3rd-1 pt., Division III, 1st-7 pts., 2nd-5 pts., 3rd-3 pts.
 Division V, 1st-12 pts., 2nd-10 pts., 3rd-8 pts., Plaques and Trophies: 10 pts.

SHOW COMMITTEE

Show Chair: Peter Walkowiak; Head Clerk: Susan Hopkins; Luncheon: Pam Badger;
 Sales Chair: **Chris Miller**; Sales Managers: **Tom DeMerritt, Terry Parr**

THE SAN DIEGO CACTUS AND SUCCULENT SOCIETY

P. O. Box 33181, San Diego, California 92163-3181, is a public service and educational (nonprofit tax exempt) organization.
 Your donations are graciously accepted.

PLEASE NOTE THAT NEW PLANT TAGS ARE BEING USED. PICK THEM UP AT THE MAY MEETING OR SHOW

ENTRY NOTES: PLEASE USE THE MOST CURRENT CLASSIFICATION SCHEDULE. Classes 1-113 are divided into two pot sizes: **A and B** (A = 5 inches and under; B = over 5 inches – measurements are of the **maximum** inside dimension). Note that **one** plant per container is allowed in these classes.

Three categories for competing entries are as follows: **GREEN** cards for exhibitors that have won 10 or less blue ribbons in a recognized cactus and succulent show. **YELLOW** cards are for participants that have won more than 10 blue ribbons. **BLUE** cards are for commercial exhibitors and those that want to compete against them. Awards will be selected from any category.

SAN DIEGO CACTUS AND SUCCULENT SOCIETY'S ANNUAL SHOW & SALE, JUNE 2 & 3, 2012

★ DIVISION I - CACTI	
#	South American Cacti
1	<i>Freilea</i> , <i>Blossfeldia</i> , <i>Crinia</i>
2	<i>Uebelmannia</i> , <i>Buiningia</i>
3	<i>Parodia</i>
4	<i>Notocactus</i>
5	<i>Gymnocalycium</i> - solitary
6	<i>Gymnocalycium</i> - clumping
7	<i>Rebutia</i>
8	<i>Sulcorebutia</i>
9	<i>Lobivia</i>
10	<i>Echinopsis</i>
11	<i>Weingartia</i> , <i>Seehensia</i>
12	<i>Melocactus</i> , <i>Discocactus</i>
13	<i>Neoportia</i> , <i>Neochilenia</i> , <i>Eriocyce</i>
14	<i>Copiapoa</i>
15	<i>Mauicrana</i> , <i>Orya</i> , <i>Demmoza</i>
	Tube Flowered Cereids:
16	<i>Arrojada</i> , <i>Cleistocactus</i> , <i>Oreocereus</i> , <i>Espostia</i> , etc
17	Wide Flowered Cereids:
	<i>Trichocereus</i> , <i>Pilocereus</i> (most)
	Opuntioide:
18	<i>Tephrocactus</i> , <i>Pterocactus</i> , <i>Quiabentia</i> , <i>Melihuena</i>
# North American Cacti	
19	<i>Echinocereus</i> - pectinate spines
20	<i>Echinocereus</i> - straight spines
21	<i>Tubinocephalus</i> , <i>Gymnocactus</i> , <i>Neolloydia</i>
22	<i>Pediocactus</i> , <i>Sclerocactus</i> , <i>Anastrocactus</i>
23	<i>Thelocactus</i>
24	<i>Coryphantha</i> , <i>Escobaria</i> , <i>Acharagma</i>
	Genus Mammillaria
	Subgenuses <i>Mammilloxydia</i> , <i>Mammillop-</i>
25	<i>sis</i> , <i>Cochraniea</i>
26	Subgenuses <i>Oehmea</i> , <i>Dolichothele</i>
	Subgenus <i>Mammillaria</i>
27	<i>Series Longiflorae</i>
	<i>Series Anastrocathae</i>
28	Groups <i>Tetranostia</i> , <i>Guelzowiana</i> , <i>Grahami</i> , <i>Dioica</i>
29	Groups <i>Barbata</i> , <i>Zephyranthoides</i>
30	<i>Series Proliferae</i> , <i>Decipientes</i> , <i>Hetero-</i>
	<i>chlorae</i>
	<i>Series Sphaerolatae</i> , <i>Leptocladodeae</i> ,
31	<i>Polyedrae</i>
32	<i>Series Lasianthae</i>
33	<i>Series Polycanthae</i>
34	<i>Series Superextae</i>
35	<i>Series Leucocephalae</i>
	<i>Series Stylocheleae</i>
36	Group <i>Bombycina</i>
37	Groups <i>Crinita</i> , <i>Otero</i> , <i>Glassii</i>
	<i>Series Mammillaria</i>
38	Groups <i>Heyderi</i> , <i>Magninanna</i> , <i>Brandegei</i>
	Groups <i>Mammillariis</i> , <i>Petersonii</i> , <i>Standleyi</i> , <i>Compressa</i> , <i>Sonorensis</i> , <i>Petrophila</i>
39	
40	<i>Atlocarpus</i>
41	<i>Oreogonia</i> , <i>Strombocactus</i> , <i>Aztekium</i> , <i>Epithelantha</i> , <i>Pelecyphora</i>
42	<i>Astrophytum</i>
43	<i>Ferocactus</i>
44	<i>Hamatocactus</i> , <i>Leuchtenbergia</i>
45	<i>Echinocactus</i>
46	<i>Stenocactus</i> , <i>Echinofossulocactus</i>
	Wide Flowered Cereids:
	<i>Cephalocereus</i> , <i>Pachycereus</i> , <i>Pericocer-</i>
47	<i>eus</i> , <i>Wilcoxia</i> , etc
	Opuntioide:
48	<i>Opuntia</i> , <i>Cylindropuntia</i>
# Other Cacti	
49	Epiphytic Cacti: <i>Selenicereus</i> , <i>Aporocac-</i>
	<i>tus</i> , <i>Epiphyllum</i> , <i>Rhipsalis</i> , etc
50	<i>Pereskia</i>
51	Crested Cacti
52	Monstrose Cacti
53	Variegated Cacti

A mammillaria species -> sub genus table is available at the club website and at the Show, as is an alphabetical listing of names -> classes

★ DIVISION II - SUCCULENTS	
#	Euphorbias - African
54	<i>Euslia</i> group:
	<i>balsamifera</i> , <i>lamblii</i> , <i>autropurpurea</i> , etc
55	<i>Treisia</i> group:
	<i>garipina</i> , <i>hamata</i> , <i>halleri</i> , <i>lignosa</i> , etc
56	<i>Geophytes</i> , deciduous stems and leaves:
	<i>trichadenia</i> , <i>bogensis</i> , etc
57	<i>Geophytes</i> , deciduous leaves:
	<i>tuberosa</i> , <i>primifolia</i> , <i>selenifolia</i> , <i>crispa</i> , etc
	<i>Pseudoeuphorbia</i> group:
58	<i>bupleurifolia</i> , <i>clava</i> , <i>halleri</i> , <i>loricata</i> , etc
59	<i>Medusae</i> , Western cape:
	<i>clavarioides</i> , <i>flanaganii</i> , <i>pugniiformis</i> , etc
60	<i>Medusae</i> , Eastern cape:
	<i>inermis</i> , <i>esculenta</i> , <i>caput-medusae</i>
61	<i>Medusae</i> , persistent peduncle:
	<i>pentops</i> , <i>suppressa</i> , <i>decapia</i> , <i>arida</i> , etc
62	<i>Pseudomedusae</i> :
	<i>multiramosa</i> , <i>namaquensis</i> , <i>fasciculata</i> , <i>schoenlandii</i> , etc
63	<i>Dactyloctenium</i> group:
	<i>globose</i> , <i>polyccephala</i> , etc
64	<i>Melieuphorbia</i> group:
	<i>suzanniae</i> , <i>obesa</i> , <i>mefloromis</i> , <i>tubigians</i>
65	<i>Anthracantha</i> group:
	<i>ferox</i> , <i>horrida</i> , <i>eropla</i> , <i>stellaspina</i> , etc
66	<i>Grandifolia</i> group:
	<i>neritola</i> , <i>unispina</i> , <i>poissonii</i> , etc
	<i>Scotopendriae</i> group, capsules not ex-
	truded:
67	<i>clavigera</i> , <i>groenewaldii</i> , <i>aeruginosa</i> , <i>buru-</i>
	<i>ana</i> , etc
68	<i>Scotopendriae</i> group, extruded capsules:
	<i>stellata</i> , <i>fanshawei</i> , <i>knuthii</i> , etc
69	<i>Trigona</i> and <i>Polygonae</i> groups:
	<i>trigona</i> , <i>canariensis</i> , <i>grandicornis</i> , <i>hetero-</i>
	<i>chroma</i> , <i>fruticosa</i> , <i>columnaris</i>
	<i>Tetracanthum</i> and <i>Tetracanthum</i> groups:
	<i>ballyana</i> , <i>glochidiata</i> , <i>subsalsia</i> , <i>ellen-</i>
	<i>beckii</i> , etc
# Euphorbias - Madagascar	
70	
	<i>Lacanthus</i> , <i>lophogona</i> group:
71	<i>lophogona</i> , <i>pachypodioides</i> , etc
	<i>Lacanthus</i> , <i>mili</i> group:
72	<i>mili</i> , <i>beharensis</i> , <i>horombensis</i> , <i>genoudi-</i>
	<i>ana</i> , etc
73	<i>Lacanthus</i> , <i>vilgieri</i> group:
	<i>vigueri</i> , <i>neohumberti</i> , etc
74	<i>Pedilanthioides</i> and <i>Perreri</i> groups:
	<i>croizatii</i> , <i>didieroides</i> , <i>pedilanthioides</i> , etc
75	<i>Ankarensis</i> group, with caudex:
	<i>cylindrofolia</i> v <i>tuberifera</i> , <i>decaryi</i> v <i>tube-</i>
	<i>rosa</i> , <i>francoisi</i> , <i>pitumillifolia</i> , etc
76	<i>Ankarensis</i> group, prostrate stems:
	<i>decaryi</i> v <i>decaryi</i> , <i>decaryi</i> v <i>sprostita</i> , <i>cylindrofolia</i> v <i>cylindrofolia</i> , etc
	<i>Ankarensis</i> group, shrub type:
77	<i>milloiti</i> , <i>moratii</i> , <i>ankarensis</i> , <i>capsalint-</i>
	<i>maritensis</i> , etc
78	<i>Bosseri</i> group:
	<i>bosseri</i> , <i>platyclada</i> , <i>hedycotoides</i> , etc
79	<i>Trinacall</i> group:
	<i>trinacalli</i> , <i>sternoclada</i> , <i>leucodendron</i>
Euphorbias - New-World	
80	<i>Agaloma</i> group:
	<i>miseria</i> , <i>antisiphilitica</i> , <i>webbtraueri</i> , <i>xanthi</i>
# Other Euphorbiaceae	
81	<i>Monadenium</i>
82	<i>Jatropha</i> , <i>Pedilanthus</i>
Crassulaceae	
83	<i>Kalanchoe</i>
84	<i>Corydodon</i> , <i>Tylecodon</i>
85	<i>Crassula</i> , <i>Adromischus</i>
86	<i>Aeonium</i> , <i>Sedum</i> , <i>Sempervivum</i> , etc
87	<i>Pachyphyllum</i> , <i>Graptopetalum</i> , <i>Tactus</i> , etc
88	<i>Echeveria</i>
89	<i>Dudleya</i>
# Liliaceae	
90	<i>Aloe</i> , African:
	<i>variegata</i> , <i>melancantha</i> , <i>dorothea</i> , <i>striata</i>
91	<i>Aloe</i> , Madagascar:
	<i>conifera</i> , <i>haworthioides</i> , <i>capitata</i> , etc
92	<i>Aloe</i> hybrids

Plant Entry Classification Schedule

93	<i>Gasteria</i> , <i>Astroloba</i>
94	<i>Haworthia</i>
95	<i>Sansevieria</i>
96	<i>Agave</i> , <i>Yucca</i>
97	<i>Beaucarnea</i> , <i>Calibanus</i> , <i>Dracaena</i>
# Aizoaceae	
98	<i>Lithops</i> , <i>Conophytum</i> , etc
99	<i>Argyrodema</i> , <i>Aibonopsis</i> , <i>Pleiospilios</i> , <i>Fensteraria</i> , etc
100	<i>Mestoliera</i> , <i>Trichodactena</i> , etc
# Asclepiadaceae	
101	<i>Caralluma</i> , <i>Huernia</i> , <i>Stapeia</i> , <i>Hoodia</i> , <i>Pseudolithos</i> , etc
102	<i>Hoya</i> , <i>Ceropegia</i> , <i>Gynanchium</i> , <i>Sar-</i>
103	<i>costarum</i> , etc
	<i>Fockea</i> , <i>Raphionanthe</i> , <i>Petropentia</i> , etc
# Apocynaceae	
104	<i>Adenium</i>
105	<i>Pachypodium</i> , Africa
106	<i>Pachypodium</i> , Madagascar
107	<i>Adenia</i>
	<i>Portulacaceae</i> :
108	<i>Portulacaria</i> , <i>Ceraia</i> , <i>Anacampseros</i> , <i>Axonia</i> , <i>Tallium</i> , etc
109	<i>Dideraceae</i> :
	<i>Allulardia</i> , <i>Didierea</i> , <i>Decaryia</i> , etc
110	<i>Asieraceae</i> :
	<i>Seneceo</i> , <i>Chirona</i>
111	<i>Geraniaceae</i> :
	<i>Pelargonium</i> , <i>Sarcocaulon</i>
112	<i>Viaceae</i> :
	<i>Cissus</i> , <i>Cyphostemma</i>
113	<i>Moraceae</i> :
	<i>Ficus</i> , <i>Dorstenia</i>
114	<i>Fouquieria</i>
	<i>Cucurbitaceae</i> :
	<i>Iberilla</i> , <i>Gerardanthus</i> , <i>Kedrositis</i> , <i>Seyrigia</i> , <i>Xerosicyos</i> , etc
115	<i>Bromeliaceae</i> :
	<i>Deuterochona</i> , <i>Dyckia</i> , <i>Hechtia</i> , etc
116	<i>Pachycaus</i> , New World:
	<i>Bursera</i> , <i>Pachycornus</i> , <i>Bombax</i> , etc
117	<i>Pachycaus</i> , Old World:
	<i>Commiphora</i> , <i>Adansonia</i> , <i>Operculicarya</i>
118	<i>Gaudichaudia</i> and <i>Geophytes</i> :
119	<i>Iponomea</i> , <i>Dioscorea</i> , <i>Sinningia</i> , etc
120	<i>Orchids</i>
121	<i>Bulbs</i>
122	Crested Succulents
123	Monstrose Succulents
124	Variegated Succulents
125	Cycads
★ DIVISION III - COLLECTIONS AND ARRANGEMENTS	
# Collections*	
126	Cacti
127	Succulents
# Arrangements**	
128	Dish Gardens
129	Anything Goes:***
★ DIVISION IV - SPECIALTIES, COMBINING CACTI AND SUCCULENTS	
130	San Diego County Succulent
131	Baja Succulent
132	Mexican Succulent
133	Grafted Succulent
134	Seed grown by exhibitor
135	Miniature, less than 3 inches
136	Winter Show mini pots
137	Succulent bonsai
★ DIVISION V - DISPLAYS	
138	Displays and Exhibits
★ DIVISION VI - ART	
139	Paintings
140	Photography

* Collections - A set of 6 - 10 different specimens that are related by a common theme, genus, form, color or other character

** Arrangements - The combining of one or more plants for a scene or theme

*** Anything Goes -The creative use of succulent plants, pots and other media

Program

Guillermo Rivera

"Succulents of Western South Africa: from Cape Town to the Richtersveld"



Guillermo was born in Argentina. He earned BS and PhD (Botany) degrees from the University of Cordoba, Argentina, and an MS in Marine Biology from Northeastern University, Boston. He worked as a researcher for 6 years at the University of Cordoba, with more than 20 articles in scientific magazines (including a co-authorship in Nature). He also worked as a researcher for the National Park Service in the U.S. Virgin Islands.

He is the owner of South America Nature Tours (formerly Cactus Expeditions), a company dedicated to the organization of tours throughout South America (Chile, Argentina, Brazil, Peru, Bolivia, and Ecuador) with emphasis on plants (bromeliads, cacti, and orchids), or birding.

His presentation describes a recent trip he lead into South Africa.

Passings

We sadly report the passing of one of our clubs longest members, **Warren Buckner, Michael's** dad. He died Mar. 30, 2012 at age 92. **Warren** served our club in many, many capacities: President from 1977 through 1978; Treasurer in 1971 and again from 1983 through 1985; Membership Chair from 1983 through 1985; many years a Board Member; many Committee Chairs, and always a helping hand. He was also a pioneer in the field of water conservation, and **The H. Warren Buckner Water Conservation Garden** at Cuyamaca College attests to that fact. A great club member, and he'll be remembered by all.



He was interviewed by **Marcia Monroe** in the June 1980 issue of EyF, whence came the photo on the right. You can read the article via EyFLibrary.com.

The photo on the left was taken at the 2010 Holiday Party.



Pcss spring sale

The Palomar Cactus and Succulent Society will be hosting a Spring Plant Sale / Meeting on Saturday May 19 from 10AM- 4PM at the beautiful Alta Vista Gardens, 1270 Vale Terrace Drive, Vista CA. At 10 AM there will be a lecture by Peter Walkowiak PCSS President on the Basics of Growing Succulents. At 12:30 there will be a tour of the garden and garden art by Bryan Morse, President / CEO of Alta Vista Gardens. A wide variety of succulents grown by members and vendors will be available for purchase. Club members will be happy to answer your questions and assist you in your selection. Pack a picnic lunch and make a day of it. Bring the children to enjoy the fantastic Children's Garden. If you have questions phone Vicki 760-741-7553 or email palomarcactus@cox.net.

Trophy BENEFIT AUCTION:

Peter Walkowiak



The proceeds from the auction were originally slated to support a speaker, Susan Carter, for the CSSA Convention in Austin. She has turned down the invitation. The auction proceeds will now go to refurbishment and updating of the trophies for the summer show. Many of the trophies have been full (no room for new names) for over ten years. The plan is to add plaques to the trophy that will include the name of the trophy and the SDCSS. Each plaque will have room for 30 new names. About half of the trophies are currently full (about 12. Each plaque will cost about \$90 plus the cost of engraving the letterhead and the names. Also some trophies need refurbishing. The plants for the auction will be all-donation. I have donated five plants so far and will likely donate more. All donations can be used as a tax deductible donation for next years' taxes. A letter will be sent out after the auction with the full amount that the plant sold for after our auction. Plants should be brought in on Saturday so that people can see the plants ahead of time. A table or two will be setup in 101 with a sign about the auction. The auction will be held at 1:00pm, Sunday June 3rd after lunch. If you plan to donate plants to the auction please notify me so that plans can be made and room set aside for them, hciser-vices@gmail.com.

Snacks for the Break:

If your last name begins with A-M, please bring a snack to share at the break.

Coffee in the garden For may 26

at the **NEWCOMERS**

Marilyn Newcomer

Ric bought his first cactus (a Mammillaria for 25 cents) in 1955 from Handy Dandy Home Center in Covina. Another was to follow and the rest is history. Many plants were lost while he served in Viet Nam but that made him even more determined to build up his collection again. His mentors and friends at that time were **Gil Tegelberg**, **Charles Glass** and others who steered him toward the "right" plants and helped him build up his collection.



In 1991 I showed up – and while I am 4th in his life after his cacti, red truck and his dog – I gave up my passion for tropical plants and joined the hunt for the "perfect cactus plants". Of course I wanted my own greenhouse so we now have "his and hers" 14' x 20' greenhouses. Naturally he claimed the backyard too (1/3 acre) and landscaped it with his plants beautifully! (I claimed the patio!) After digging in my heels for 12 years to keep grass in the front yard – I finally gave in and he transformed it into a very artistic and outstanding cactus garden. Even I'm impressed!

We hope you will drive up on the 26th to see how creative he is and also to find that special plant you have been looking for. We will have many big tables of nice sale plants as well as snacks and drinks. Directions: 15 frwy north to 215 frwy. to Menifee. Exit McCall Blvd., turn left over freeway to Valley Rd. (McCall Blvd. ends at Valley Rd.) Left to Sun City Blvd. turn right and then an immediate right on Milky Way and up hill to 25265 Lyra Ct. (top of hill, last street on right side) Visit and sale starts at 10:00 to 1:00. Cell phone 951-566-6743 or 951-672-3074.



Photos by the **Newcomers**



Espinas Y Flores
Digitization
Paul Maker and Sharon Wirth



The editors effort to digitize all back issues of *Espinas y Flores* is well under way. **Sharon Wirth** has completed extracting information from all issues of the EyF, and the searchable data base is now online. It lists each issue's content and can be viewed at www.EyFLibrary.com This information provides a powerful and valuable reference tool for club members researching many, many plant species and the activities of our

Erratum

Life Member **Pat Mooney** is still with us! The Editors apologize sincerely for stating in the March issue that she was no longer with the club. This was revealed when we visited the home and garden of **Martin and Pat** last week, where he passed into our care his collection of back issues of *Espinas y Flores*, complete back to 1970. This will fill in most of the issues needed to complete the digitization project. **Martin's** greenhouse contains what must be the world's greatest collection of *Welwitschia mirabilis*. To read about **Martin's** early contributions to our club, go to EyFLibrary.com and click on issue 2 of 1980



El ibet's corner



First appeared in
Vol 25 No 5, May
1990

Staging WORKSHOP

Peter Walkowiak



There will be a new staging workshop to be held at 11:00am before our next meeting outside room 101. I will repot and stage several of my plants. After this is completed there will be time to have some of your plants staged. Bring your plants to the workshop with a pot that you would like to plant it in. You can purchase pots in room 101. Soil and top dressing will be supplied for those who participate. If you have some interesting rocks bring them too. All unused top dressing will be given to the audience at the conclusion of the workshop.

UPCOMING EVENTS

May 5 & 6: Sunset Cactus & Succulent Society Show and Sale, Veterans Memorial Center, Garden Room, 4117 Overland Ave., Culver City, CA. Info: 310-822-1783

May 6: South Bay Epiphyllum Society Show and Sale, 9am To 4pm, South Coast Botanical Gardens. Info: 310-833-6823

May 12: SDCSS Monthly Meeting.

May 13: San Diego Epiphyllum Society 42nd Annual Mother's Day Show, 10:30am, Casa del Prado, Balboa Park, room 101.

May 13: Huntington Plant Sale, 10 To 5, Huntington Botanical Gardens, 1151 Oxford Road, San Marino, CA. Info: 626-405-2160

May 18-19: Gates Cactus & Succulent Society 31st Sale 9-4:30 Fri & Sat, Show Sat 9-4:30, Jurupa Mountains Cultural Center, 7621 Granite Hill Drive, Glen Avon, CA. Info. 951-360-8802

May 19: Palomar Cactus & Succulent Society Sale, 10 to 4, Alta Vista Gardens, 1270 Vale Terrace Drive, Vista. Info, directions:

www.altavistagardens.org

May 26-27: Central Coast Cactus & Succulent Society, Annual Show & Sale 10-4, Ludwick Center, 864 Santa Rosa, San Luis Obispo, CA. Info. 805-237-2054, www.centralcoastcactus.org

May 26-27: EPICON 13, the 13th International Epiphyllum Convention. Day 1 at California Center for the Arts, Escondido, 8:30 To 5, \$50. Day 2 at San Diego Zoo Safari Park Epi Display House, 8:30 To noon, \$15 including continental breakfast. Cost goes up \$5 after April 1. Info: Cindy Decker, ddecke@juno.com.

June 2 & 3: San Diego Cactus & Succulent Society Summer Show & Sale, Balboa Park, Room 101, San Diego, CA. Info: www.sdcss.net

June 29-July 1: CSSA Annual Show & Sale, Sales Fri Thru Sun, Show Sat & Sun. Free To The Public. Huntington Botanical Gardens, 1151 Oxford Road, San Marino, CA. Info: 626-405-2160 Or 2277.

We need Bags of Bags Joe Kraatz



We are in need of paper bags with handles for our monthly plant sales and with the upcoming June sale we need to stock up. These bags can be grocery bags, gift bags, etc. Thanks

Pics from April meeting and visit



Top: Visitor with hair-cut fit for a cactus lover, and a beautiful *bruchii* (*Gymnocalycium*)
 Middle: **Kienan Parr** manning a wonderful Benefit Drawing table
 Bottom: Learners at **Peter Walkowiak's** workshop.

Electronic Espinas Y Flores

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 hard-copy. 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. Further, updates and errors found in the hardcopy are corrected in the electronic version. To cancel your hard copy, contact the membership chairperson **Collette Parr** at collette.parr@cox.net.

SDCSS WANT ADS

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

Strategic Team Members to support the Strategy Owners in initiating changes in SDCSS	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.
Tour Chair to arrange Coffee in the Garden tours on a monthly basis	Workshop Chair to run workshop program, set up speakers and topics	Trophy Chair to maintain trophies and oversee their refurbishment
Volunteers for WAP Gardens: For garden maintenance, new area development, plant identification and to work in the greenhouse. Our next project will be to build a greenhouse and we hope to start later this fall	Holiday Party Decorating Committee Members: to help decorate for the Holiday Party.	

Contact **Chris Miller** if you are interested.

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.

Otherwise unaccredited photos are the handiwork of the Editors.

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 _____
 First class delivery USPS (Paper Newsletter) \$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 Department
 c/o Collette Parr
 7924 Grape Street
 La Mesa Ca 91941-6323**

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: **Cathy Clark**

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 Zoo Safari Park Baja & Old World Gardens: **Chris Miller**

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

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