

Espinas y Flores

Newsletter of the San Diego Cactus and Succulent Society, Inc.

Affiliated with the Cactus and Succulent Society of America

Volume 37, Number 3, Saturday, March 9, 2002 at 1:00 PM



Pediocactus winkleri by Ken Heil *et al*



Pediocactus bradyi by John Gafton



Pediocactus peeblesianus by Ken Heil *et al*



Pediocactus sileri by Ken Heil *et al*



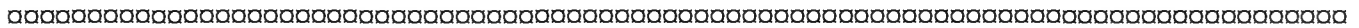


SOUTHWESTERN TOUR

Juergen Menzel will be our guest speaker at the March meeting. He will be sharing photographs of many unusual cacti of the southwest, but will focus primarily on *Pediocactus* and *Scelerocactus*. The images we will see were taken over the last 20 years as a result of 7 - 10 trips he made to our country. They feature many famous cacti localities like Marble Canyon, the Grand Canyon, and Little Colorado.

Juergen has been growing cacti since the very youthful age of 15. He started in Germany but eventually moved to Spain where he co-founded a cactus club in Majorca that is still active today. He has been producing seeds of rare cacti since the early 1980's and has sold them to large distributors like Koehres in Germany.

Juergen is a consummate grower and plant explorer. He was honored by Hochstaetter for the discovery of a new form of *Navajoa peeblesiana* which bears his name, forma *menzeli*. Our club is truly fortunate to have such a experienced grower as a member who is willing to share his wonderful plants through the brag table and his vast experiences through his slides. His program will start approximately 2:30 PM on March 9, at Casa del Prado, Balboa Park, but come early and listen to a talk on Show preparation by Lee Badger and learn about the genus *Dorstenia* from Alan Weiss. Our meeting begins at 1:00 PM.



Please send your letters, artwork, poetry, Cactus or Succulent of the Month articles, puzzles, comments, or criticisms, etc. to:

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Phone 619-462-1805 e-mail eyf 2000
Call ahead for FAX 858-569-8510

NEWSLETTER SUBMISSIONS ARE DUE BEFORE THE 14TH EACH MONTH UNLESS OTHER ARRANGEMENTS ARE MADE.

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PRESIDENT'S MESSAGE MARCH 2002

We had a great turnout for the February meeting - 75 members signed in and 26 guests! We had four new members sign-up and many of our guests requested a complimentary one month subscription to the newsletter - we offer this as an incentive to attract new members - I hope you guests enjoy this issue and will consider joining us on a regular basis!

It was a major treat to have such a renowned guest speaker as Dr. Alfred Lau and hear of his adventures in plant hunting through the years. His treks into the far back country to find rare species made many an old cactus hunters' heart soar.

Thanks to Phil Bunch for his talk on *Cheiridopsis* - these are such cute little plants and lots of fun to grow. Phil is an inspiration to try on some of these unusual and interesting plants. Thanks also to Phyllis Flechsig and Joe Quijada for their talks on growing plants from seed. I have always been fascinated by this process, though never very successful - I will try some of their hints and hopefully have some positive results - they make it look so easy!

Thanks to all of you who renewed your memberships. If you are not sure when your dues expire you can always check the label on your newsletter which shows when yours dues expire. Thanks also for those of you who took me up on the invitation to purchase and wear name badges. I do think this makes our meetings even more "user friendly" and hope all of you will remember to wear your badges at the next meeting.

We will be participating in three events in the next three months - educating the public about the benefits and joys of growing cactus and succulents, the purpose of our organization, selling a few plants, and recruiting new members. The events are: March 1, 2 & 3 the Spring Home/Garden Show at the Del Mar Fair Grounds; April 21, Earthfair 2002 in Balboa Park; and May 18 Buds & Blooms, also in the park. We can always use a little help so if you can help out for an hour or two - give me a call or look us up at the event.

We are planning a BUS TRIP for April 14 - probably to The Living Desert, Zoo and Gardens in Palm Desert - this is a fantastic Garden and cultural exhibit near Palm Springs. As usual, we will keep the cost very reasonable and hope many of you will be able to participate. Please keep this date and look for details at the March meeting and the next newsletter.

If you have not brought snacks in a while, please bring something to the meeting....THANKS!
See you on the 9th! Pam Badger pambadge@earthlink.net

A P O S T E R C O N T E S T

We are having a contest to choose artwork to publicize our June Show. If you have some original artwork - drawing, painting, or a photograph, that you think would make a good poster, and cover - bring it to the March meeting. Everyone will have a chance to review the entries and vote on a winner. This should be lots of fun - I know we have many creative people in this club and I look forward to a good showing. The winner will receive \$50.00 in script for plants at our meetings - so please PARTICIPATE!

A NOTE ABOUT LAST MONTHS MAILING LABELS

Sorry for the confusion regarding the mailing labels last month. If your label had a code on it that you thought was wrong it probably was. The membership person (me) made a little 'search and replace' mistake - sorry about that. Please do remember though to take a look at your mailing label this time and see when your dues expire. This code on the top right corner of your mailing label. If it reads 2003/01, it means you are paid up to January 2003. If it reads 2002/03, this is your last issue and you need to renew now. PLEASE, If you think that there is an error call the membership chair and let him know, phone number is on the last page.

Thanks, Joey Betzler

CALENDAR OF UPCOMING EVENTS

MARCH — 2002 —

30-31 Do you want to see a phenomenon of the Denver area? Then go to the annual Colorado Cactus and Succulent Society Show and Sale. It is at the Denver Botanic Garden. For more info contact: Pamela Story (Pam) - 303-979-8171 or Helen Norton - 970-353-9581 or jcuscaden@aol.com.

APRIL

7-13 27th Congress of the International Organization for Succulent Plant Study (IOS) at the Desert Botanical Gardens, Phoenix, AZ. See IOS Web Page: www.iosweb.org or nempe@aol.com.

MAY

18 SDCSS participates in Buds n'Bloom, Balboa Park, call Pam at 619-589-1223 to help with this event!

JUNE

- 1-2 SDCSS Spring Show and Sale. Start planning for those award winners, it is never too soon!
7-9 Mid-West Regional Conference, Kansas City, MO. Details: Eva Allen 816-444-9321 or e-mail: emallen@earthlink.net Check out their web page at <http://ourworld-top.cs.com/kccss1809>
8-9 C&SS of Queensland Show and Sale Mt.Cootha Botanic Gardens. Details from club, e-mail: cssq@powerup.com.au or check out their web page at <http://www.powerup.com.au/~cssq>

JULY

- 6-7 CSSA Show and Sale at The Huntington Botanical Gardens.
26-28 Pacific Northwest Regional Conference, in downtown Seattle, hosted by the Cascade CSS.
Info: Eugene Collias, 206-633-5570 or e-mail him at eugeneec@aol.com

AUGUST

- 15-16 British CSS Convention at Loughborough University. Email Charles@btinternet.com
31 Huntington Succulent Symposium. Call 626-405-2160 for details and topic.

FYI FOR YOUR INFORMATION FYI

⇒ It is that time of year again ... time to plan a visit to Quail Botanic Gardens. There are all sorts of events planned for the weeks and months ahead. From gardening to art and kids events. Take a look at: <http://www.qbgardens.com/qbgframed.html>, or their home page for information about virtual tours and help with the plans for the Children's Garden Project. Call the Horticulture Office for more information: 760-436-9516.

⇒ Who are these special 23 people? Since last August, they are the newest members to our club. Do you know anyone that should be a member? Let them know about us and invite them to a meeting, it is free. Here is the list: Kenneth Adelson, Gloria G. Bakst, Phyllis & Richard Clarke, Richard Disraeli, Jacqueline Flink, Susan Fortune, Jeremy Gerckez, Fred Hoefler, Linda & Kim Hutsell, Michael Jarcho, Margaret Long, Roger Martin, Arlene Mattioli, Wesley D. Miller, Merle & Lorna Sue Odegaard, Rosmarie Sauer, Ramona Serrano, Betty Strickland, Gary Tamman, Karen D. Wilson, Shirley Wixson, Michael Wong, and Christopher Worton. *THANKS for joining us!*

⇒ The Regalement Committee *needs new members* please offer to help, we need you! Call Lee Badger at 619-589-1223. The regalement committee is responsible for the snacks and food at events like: monthly meetings and our special June Show luncheon. There is always plenty of help at the special events, we need some assistance with our monthly meetings. Thanks!

⇒ Don't forget to call Chris Miller to put your special touch on the Baja and Old World Succulent garden this spring. The volunteers are putting a lot of energy into the gardens this year. Helping in the spring means that the garden will look good into the summer and fall. Chris can be reached at 619-258-9915 or c.miller@home.com. Everyone is welcome ... come early and often!

This is an updated version of an article that originally appeared in the May 1998 issue of The Baltimore Areole, newsletter of The Cactus & Succulent Society of Maryland. Anyone interested in more information on the club should see the website at <http://www.cactus-mall.com/clubs/maryland.html>.

THE SUCCULENT SPECIES OF *DORSTENIA*

Stephen Jankalski

The mulberry family (*Moraceae*) is a cosmopolitan one of mostly shrubs and trees. It is not one in which you would expect to find succulents. Aside from a few pachycaul species of Fig (*Ficus*), there are several species in the genus *Dorstenia* that are sometimes seen in collections of succulent plants.

The genus *Dorstenia* was named by Carolus Linnaeus in 1737 in honor of the German botanist Theodore Dorsten (1492-1552). As typical of the family *Moraceae*, most of the species are woody shrubs but a few have a prominent fleshy caudiciform rootstock or fleshy stems. The genus is found primarily in the New World tropics. It is also found in the Old World in Africa, Madagascar, Soqotra, the Arabian Peninsula and peninsular India. Most remarkable and typical of the genus is the broad, disc-shaped receptacle, called a hypanthodium, upon which the small flowers arise. The hypanthodium often has tentacle-like bracts along its margin which differ in shape and length in the different species, giving the plants a rather odd and alien appearance.



Dorstenia crisper

Engler (1898) included all the African succulent and/or tuberous species of *Dorstenia* in his section *Kosaria*. Later, Rendle (1916) restricted sect. *Kosaria* to species with an unlobed style, returning the species with a two lobed style to sect. *Dorstenia* (as sect. *Eudorstenia*). However, the latter species (here called the *D. benguellensis* group) are vegetatively indistinguishable from their counterparts in the *D. cuspidata* group. Berg & Hijman (1977) believe that the succulent species form a natural group, citing their distinctive seeds. Airy Shaw & Taylor (1980) suggested these species form a single group but are recognized here as distinct as they differ in floral features. Friis (1983) recognized two distinct species groups of sect. *Kosaria* occurring in the horn of Africa, here called the *D. barnimiana* and *D. foetida* groups. In all, four well-marked groups of succulent and/or tuberous species in *Dorstenia* section *Kosaria* can be recognized from Old World. The section may eventually be defined to include most of the herbaceous, non-woody African species.

Several authors have noted that many species of *Dorstenia* are self-fertile and apomictic resulting in the formation of "microspecies" which may appear uniform in

certain vegetative and floral characters but often overlap from population to population. In the past, they have been described as separate species. Mostly the plants are monoecious with self-fertile flowers but there are rarely dioecious forms with plants entirely male or female. Modern reviewers of the genus prefer instead to recognize broadly defined species, many of which are considered extremely variable. This may be convenient for the taxonomist but is distressing news for the plant grower who recognizes his different plants as obviously distinct horticulturally even though it may now be considered the same species. It now becomes important for the grower to clearly label the plants with the collector number together with the plant name to identify each horticulturally desirable variant with a pedigree. Some species, such as *Dorstenia foetida*, now have several distinctive variants available in the horticultural trade.

The *D. hildebrandtii* group includes species with fleshy stems that arise from a tuberous rootstock. The rootstock may be epigeal (above ground) or hypogeal (below ground) and the stems may be evergreen or deciduous in the various species. *D. hildebrandtii* Engler is an extremely variable species with evergreen stems. Hijman (1989) divides it into two varieties and five unnamed forms, however the forms do correspond to taxa previously described as species and currently in cultivation. Typical *D. hildebrandtii* is widely grown in cultivation for its attractive epigeal caudex and fleshy stems. In the past, it has been grown under the synonymous *D. braunii* and plants under that name might still be seen. Typical *Dorstenia hildebrandtii* var. *schlechteri* (Engler) Hijman (form b of Hijman (1989)) differs by its caudex being below ground and is sometimes grown under the misapplied name of *D. radiata* (a synonym of *D. foetida*). *D. hildebrandtii* var. *schlechteri* form c corresponds to *D. carnosula* De Wildeman (often misspelled as *D. carnulosa*) and differs by having shorter hypanthodium lobes. *D. hildebrandtii* var. *schlechteri* form a is most remarkable for its few, often only four lobed hypanthodium and was previously named *D. rennyi* Airy Shaw & Taylor based on plants grown at Kew Gardens. *D. bergiana* Hijman is similar to *D. hildebrandtii* var. *schlechteri* but has stems with prominent raised leaf scars appearing as podaria. The allied *D. benguellensis* Welwitsch differs by having stem deciduous in the winter.



Dorstenia ellenbeckiana



Dorstenia gypsophila

The species of the *D. cuspidata* group are vegetatively identical to those of the *D. hildebrandtii* group but have female flowers with unlobed rather than apically two lobed styles. The variable *D. cuspidata* Hochstetter may be difficult to distinguish from *D. benguellensis* when not in flower and like it has deciduous stems. However, it does not appear to be in cultivation. *Dorstenia zanzibarica* Oliver has evergreen stems like *D. hildebrandtii* but the hypanthodium is distinctive by having a triangular disc with flattened lobes. *D. goetzei* Engler is distinctive for its weak, creeping to ascending stems.

The *Dorstenia barnimiana* group has three Cyclamen-like tuberous species. *D. barnimiana* Schweinfurth is unusual in the genus by having a very narrow green or brown hypanthodium, often lobed only at the top and toward the bottom. The leaves are variable, they are usually heart-shaped and some forms may be maculate with silver or with wavy margins. The name is often misspelled as "*D. bornimiana*" in the literature. A variant with palmately 3-7 lobed leaves was previously called *D. palmata* Engler. *D. barnimiana* var. *tropaeolifolium*

(Schweinfurth) Rendle is similar but with peltate leaves as in the Nasturtium (*Tropaeolum*) and whitish hypanthodia. Friis (1983) recognized the latter as a separate species but Hijman

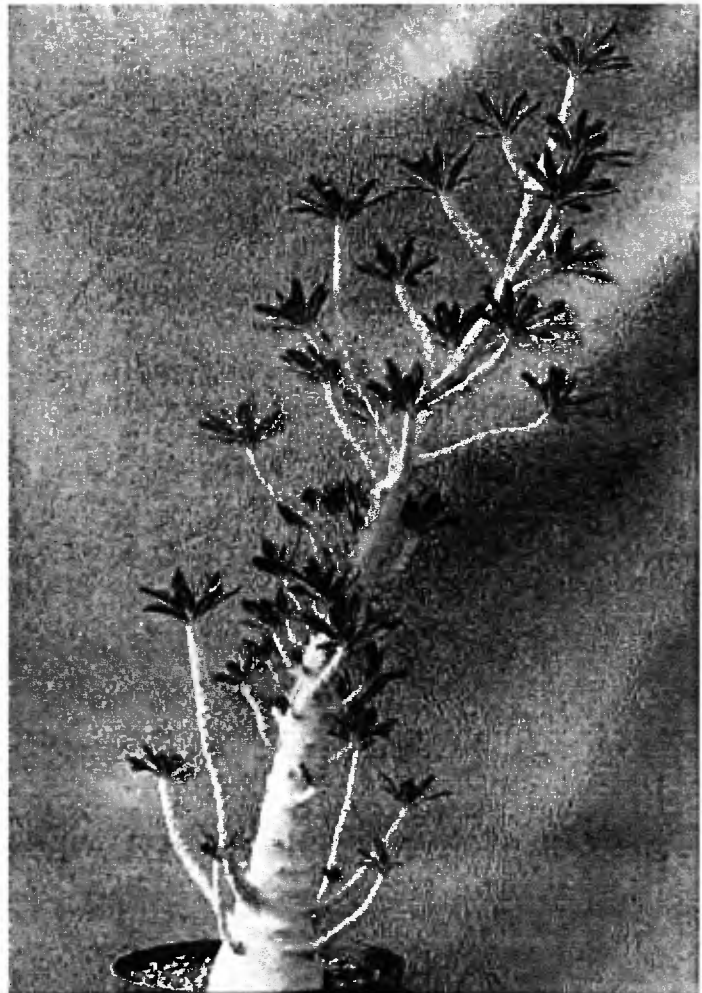
(1989) noted that it intergrades with the typical variety. *D. ellenbeckiana* Engler is similar to *D.*

barnimiana but with circular brownish hypanthodia. The recently described *D. socotrana* A.G. Miller, endemic to Soqotra, has circular hypanthoidea similar to *D. ellenbeckiana* but it is pale green or orange in color and has cordate to reniform leaves closer to those of *D. barnimiana*. These species are stemless with have subterranean tubers and are completely deciduous in winter but they can be grown in pots with the tuber above ground.

The *Dorstenia foetida* group includes three fleshy stemmed and pachycaul succulent species which are the most sought after by succulent growers. They are also easily recognized by the closely set prominent corky leaf scars that adorn the stems. *Dorstenia foetida* (Forsskal) Schweinfurth is defined by Friis (1983) as an extremely variable species and he recognized three taxa based on the extremes in leaf form. On the other hand, Hijman (1989) does not distinguish any varieties within this species, something that is extremely distressing from a horticultural point of view as the amount of variation within this species is enormous. The stems may be green, blackish or silvery with the stipules persistent or deciduous, leaves may have margins entire, toothed or crisped, the hypanthodium is variable in size and may be above or below the leaves, with the larger lobes slender to broad, with smaller lobes present or absent. There are many outstanding forms available in the trade, mostly under collector numbers, particularly from Somalia, with various combinations of these characters. See Horwood (1974) for a discussion of the various forms. Friis (1983) noted that the type for *Dorstenia foetida* has crisped leaves otherwise typical for *D. crispa* Engler, so the two must be considered synonymous. Plants seen in the literature and collections as *Dorstenia crispa* usually belong to the lanceolate leafed form now called *D. foetida* ssp. *lancifolia* (Rendle) Friis. *Dorstenia gigas* Schweinfurth and *D. gypsophila* Lavranos are the two giants in the genus and the most prized species in cultivation. Both have persistent fleshy branches and a thickened main trunk. In the wild, both are found growing on rock outcrops. *D. gigas* grows on granite cliffs on the island of Soqotra while *D. gypsophila* grows only on gypsum hills in Somalia.

The culture of *Dorstenia* usually presents no problems. Plants will respond well to liberal watering during the summer growing season. Plants require less water during the winter resting season. Since these species are native to tropical regions, they are sensitive to cold and the temperature must not go below 50°F during the winter. Bottom heat with a heating cable or pad may be helpful. Treatment with a systemic insecticide will keep the plants free of the usual pests of succulent plants.

Propagation of self-fertile species such as *D. foetida* is too easy and it may become a weed when the self-sown seedlings appear in pots of other plants. As in *Euphorbia*, the mature seeds are explosively discharged and care must be taken to collect them by loosely covering the hypanthodium with gauze before they are lost. Other species, such as *D. hildebrandtii*, may be propagated from stem cuttings taken in summer, treated with rooting hormone and placed in moist sand. Species of the *D. barnimiana* group can be propagated only from seed.



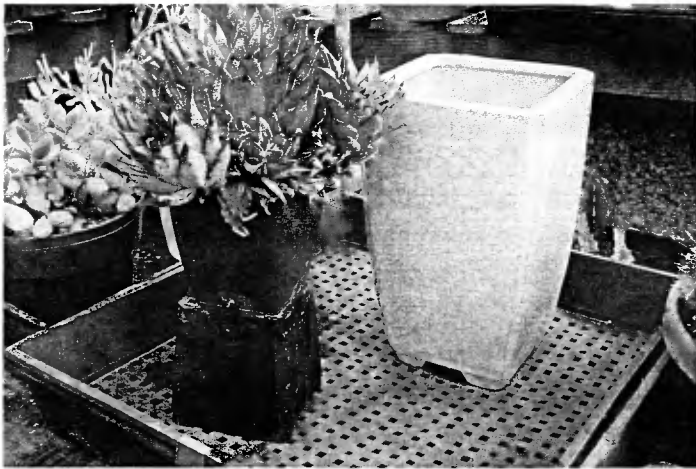
Dorstenia gigas

For a complete list of the references and plant synonymies check the website <http://www.gpdessert.com/Succulent%20species%20of%20Dorstenia.html>

Showing Plants, Badger Style

By Lee Badger

A CLUB MEMBER AND FRIEND ASKED ME IF I THOUGHT A NEWSLETTER ARTICLE ABOUT exhibiting plants for brag or show was a good idea. While I remember saying yes, I do not remember saying I would write it.



Echeveria agavioides in a flat next to the intended pot.

table, June show and Non-judged. i.e. our January show.) Judged shows are considered competitive and are judged by a panel of experts and ribbons and trophies are awarded. To learn more about the judging process, you might consider volunteering for one of the 'clerk' positions - people who assist the judges with this process. In this article, I am talking specifically about showing in June, but the general guidelines apply to all displays.

The competition in judged shows comes not necessarily from judging one *Mammillaria* against the one sitting next to it, but against the standard for the genus and species. The judging scale for specimens is supposed to go as follows: Condition 70%, Staging 15%, Size and Maturity 10%, and Nomenclature 5%. Of course judges are people and their expertise, experience, and personal preferences enter in as well. For example, five *Mammillaria laui* may be exhibited on the same table by five different exhibitors. Each Mam. will be judged against the "perfect" *M. laui* in that judge's experience.

Generally, I give myself a couple of months before the event to procrastinate and prepare. Most difficult for me is just making up my mind which plants to show. For the June show, I start about March or April and make a list of favorite plants I would like to show. The list is always too long, many of the plants too big and heavy to transport, but it gives me pleasure to include them in this "wish list.". As I plan to exhibit as many plants as will fit in one car load, I trim this list down to a manageable size.

So step one is creating a realistic list of plants that I will show. On this list it is also helpful to note the Division (i.e. I - Cactus or II - Other Succulents) and the class (i.e. 4 - Notocactus; 20 - Ferocactus; 39 - Echeveria, etc.) From this list you can fill out the show tags. The tags come in three colors - depending on the Category you are entering: Green Tags for those who have won less than 10 blue ribbons earned in a judged show, Yellow Tags for those who have won more than ten blue ribbons, and Blue Tags for commercial growers and advanced collectors who want to compete with them. This information is available in the Show Schedule which will be published in the May/June edition of the Newsletter. If you are not sure of names or classification, don't let this hinder

I can think of dozens of other members, much more experienced than me, thus more qualified to write this article. I like to think of "plant exhibiting" as opposed to "showing". As a relative newcomer, the word show can make me nervous (perhaps I had a bad experience with "show and tell" in elementary school). The following represents my feelings and experiences with the display process. I hope that those of you who are thinking of exhibiting for the first time will gain some confidence to show and maybe the veterans will get a laugh or two from this article.

For our club and most others, exhibits fall into two categories: judged (i.e. monthly brag



Euphorbia fianarantsode next to its new pot.



Echeveria agavoides after, ready for exhibition. dress up or camouflage this method.

The weekend before the event I take a relatively easy, yet most important step. As dictated by show etiquette and just good manners, it is important to be sure your plants are pest free. I will not go into treatment of all the bugs here but suffice to say - treat it or leave it home. When I have my selected plants staged for transport I sprinkle lightly with Diazon granules to run off the ants then mist spray with Safer Soap to run off spiders and other general pests that may be hanging around. I make sure all the spider webs are gone as they are unsightly and are a sign that other, more damaging pests are present. I make sure there is no sign of spine mealy, even if they are dead it is important to take a small brush and remove any trace of the buggers. The Show Chair will remove plants with any sign of insects, so be sure they are as clean as can be!

Now, that is not so much trouble is it! One more thing that can make life a little smoother is careful planning for transport to and from the event. I can tell you from experience that to arrive at a meeting with a brag plant, or at a show with a plant that went upside down because I had not properly prepared to transport it with careful packaging, is frustrating at best. I can just bet that by putting my plants loose on the back seat, some air head on a skateboard will cause me to break and send my show stopper airborne. It is also a good idea to bring along a small container of your top dressing to touch up your plants after their journey and get them looking their best.

When participating in shows, as exhibitor or volunteer, I notice how more experienced members trans-

you. The Friday evening before the show, there are always lots of people and resources to help with identification and classification. Having a comprehensive list is also important to make sure you come home with all the plants you take! Now for me, the tough stuff is done ... the decisions.

In the following days and weeks I assemble the plants in a pleasant working environment and begin the grooming, pruning, and general preparations for transport and show. Now is the time for careful inspection. I remove old flowers, dirt, leaves, dead bugs, do a bit of pruning, and clean up the pots if necessary. Cleaning the pots, whether plastic or terra cotta is a chore. For the white stains on terra cotta caused by the salts in our water, try vinegar and a scrub brush. I have also had some success with WD-40 and a scrub pad. For broken, damaged, or weathered pots (they won't clean up), I have another short cut, other than repotting. I go to my local garden shop and purchase some 6"-10" terra cotta pots, the short ones, and set my crummy pots (with my best plants) into the new pots for display. After all I want to emphasize the plant and not let a messy pot distract from the plant. I do this same thing in my home, keeping permanent pottery in place and rotating plants as time and bloom dictate. Sphagnum moss or some other material can be used to



Euphorbia fianarantsode in its new pot ready to display.

port their plants. I have noticed many innovative and creative packaging styles involving special boxes, flats, and cartons (one lady I remember used a vintage hatbox to transport a large, splendid Echeveria.) Typically, tall plants need taller boxes and newspaper to wedge in around to prevent tipping. Like putting jigsaw puzzles together, it is best to get as many plants as close together in your containers as possible - then wedge, wedge, wedge!

There is room to store your custom containers in the showroom so you can easily pack up at the end of the show. Plants are safe left in the room during the show as the room is locked over night and volunteer members are always on duty during the show providing security and assure our plants do not leave the room without us.

The last stage is the packing up on Sunday evening. This is where your list comes in very handy - going around the room to the different areas and retrieving your plants and the ribbons they have won - making sure no plant is left behind. This is a fun time of fellowship and appreciation for a job well done - by the plants, the volunteers, the vendors, and all members who help out. So much quality put together by such a fine group of people to produce such a first class show.

As I drift asleep on Sunday night after a long weekend, I have visions of the marvels of the plant world I have witnessed. I would have to travel the world to see the plants which have been so finely displayed in this show. It is a pleasure to display plants along with so many quality collectors.

SHOWING PLANTS CAN BE VERY REWARDING

In selecting plants, you become more aware of your collection and set goals for future collecting; in staging your plants you find those that need attention; in classifying your plants you learn more about nomenclature; in transporting your plants you learn what works in moving these plants around. Best of all you get a chance to socialize with a great group of people who are also in love with these plants. Do it —you'll like it!

VOLUNTEERS ARE THE KEY

The key to our clubs success is volunteers. They help make our events work as we spread the word about Succulent plants. There are many volunteer opportunities connected with the June show beyond showing plants. Please go to the last page and call one of the board members and offer to get involved and join the fun!

[Editor's Note: Lee's article hit an important note, we need new articles by new authors. Everyone has a point of view on an old subject. Please take the time to write an article for *EspinasyFlora*. One of the great things about the San Diego Cactus and Succulent Society is its membership and the help we all get with the newsletter. - PLEASE take the time to write an article for the newsletter!

Show Chair's Note: Bring in plants that are free of pesticide smells, if you follow Lee's methods you will be safe, and it is better to bring in plants that are on the dry side, rather than wet, generally the dryer the better.]

BRAG TABLE WINNERS

Judging by: Dylan Hannon and Michael Buckner

CACTI

- First- Rare *Mammillaria* Collection Juergen Menzel
- Second- *Turbinicarpus pulcherrimus* Juergen Menzel
- Third- *Pelecyphora strobiliformis* Mark Fryer

OTHER SUCCULENTS

- First- *Aloe erinacea* Phyllis Flechsig
- Second- *Pseudolithos dodsonii* Juergen Menzel
- Third- *Boweia volubilis* and *Pelargonium balsamifera* Rudy Lime

Car Camping Weekend

March 15 - 17, 2002 (call 714-534-4477 if you are interested, ASAP)

Come join the Orange County Cactus and Succulent Society for a desert camp out in beautiful Anza-Borrego State Park in the Colorado Desert portion of the Sonoran Desert. March is the perfect time to enjoy Anza Borrego. Temperatures are moderate and wildflowers are at their peak.

The plan is to meet at a group site at the Borrego Palm Canyon Campground on Friday night. This campground has water, bathrooms, tables, shade ramadas, fire rings and coin showers. On Saturday there will be a tour the Visitors Center to enjoy the slide program and exhibits on desert geology, plants and wildlife. Many wonderful books and other items are available there. Then, the group will pack a lunch and take a leisurely walk up the scenic Palm Canyon Trail, examining all the plants. In 1½ miles we will come to a waterfall in a palm oasis. In the evening there will be a potluck dinner and a Ranger Program to attend.

On Sunday, the group will drive over to Yaqui Pass to Kenyon Overlook Foot Trail and hike ¼ mile to an excellent view. The next stop will be the Cactus Loop Trail at Tamarisk Grove. The on to the Narrows Earth Trail for a look at the local geology. From there a tour of the 'Cactus Garden area'. This area was so named because of its profusion of cacti. Six of the twelve varieties of cacti indigenous to this desert are found there. Also in abundance are ocotillo, ironwood tree, smoke tree, desert lavender and indigo bush.

The camping fee is \$10 per car (parking is limited). To secure your spot, make check out to Kathy McNair. Participants will receive additional information including driving directions and a list of things to bring. Trip leader: Kathy McNair, 13732 Flower St., Garden Grove, CA 92843. Phone number: 714-534-4477



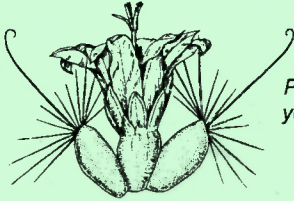
Opuntia erinacea, the Old Man Pricklypear in flower last spring, 2001

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Please check the top line of your label for, year/month
your membership expires. If the date is getting close –
PLEASE RENEW. THANKS for your help.



ESPINAS Y FLORES

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The SAN DIEGO CACTUS AND SUCCULENT SOCIETY, INC. is open to all persons interested in growing cacti and other succulent plants. Meetings are held the second Saturday of each month (except June, Sept. and Dec.) at 1:00 PM in room 101, Casa del Prado, Balboa Park. Executive Board meetings are open to all members; call any officer or director for the time and location. Annual dues are \$15.00 per single member per year, \$5.00 for each additional (associate) member within the same household. Single copies of *Espinas y Flores* are \$2.00 per copy sent within the USA; foreign subscriptions are \$30.00. Affiliated with the CACTUS AND SUCCULENT SOCIETY OF AMERICA, INC. The *New* SDCSS Web Page is: SDCSS.COM - please take a look and give feedback to the webmaster.