



*Gates Cactus
and
Succulent Society*

JULY 2006

NEXT MEETING: " WEDNESDAY " JULY 5th

AT THE SAN BERNARDINO COUNTY MUSEUM

I- 10 AT CALIFORNIA STREET IN REDLANDS, CA.

PROGRAM

FOR THE JULY MEETING

Happy Birthday Gates C&SS! Founded in July 1959, we are now 47 years young. Bring your pictures of people especially older members and your CD's of your latest cactus & succulent related events. Blooms in your yard, a new succulent planting bed, a trip to a cactus wonderland. We'll try to show everyone's pictures and have them explain them. Try to limit your presentation to 10 minutes or so, so that everyone will have a chance. We are promised pics of Amber & Dennis' trip to Argentina last fall with Guillermo & Woody.

JULY Plants of the Month

Stapeliads, Stapelia, Orbia, Hoodia Huernia
Caralluma etc.

Ferocactus, Echinocactus

PRESIDENT'S MESSAGE

We really had a good **Show and Sale** day. Great weather, more customers, more viewers of the show, more of everything that our Show and Sale should be. It looks like we will retain a net profit, after all expenses of around \$600. Thanks to all who participated and worked on the event. It's a ton of work, but the results are certainly worth it in my book.

We will have a **re-hash get together at Buck & Yvonne's house on Saturday, July 15 at 5:00 PM.** It will be a pot-luck dinner, and Buck will cook up something on the BBQ. All members who participated in any way for the Show & Sale are invited. We try to make this a session where we can learn what is needed to make our annual event better.

The list is full for **Lotus Land.** August 5th is the date. Yvonne will be taking sandwich orders

President	951.360.8802	Buck Hemenway
E-mail:	BuckHem@earthlink.net	
Vice-Pres	951.235.6678	Mike Green
Treasurer	951.369.7180	Karen Roholt
Secretary	909.947.5841	Ina O'Kane
Past Pres	951.243.5940	Amber Jones
Membership	909.793.5395	Joe Casey

Director	951.485.1816	Dennis Kucera
Director	909.795.	Judy Horne
Director	951.683.7390	Dan Griffith
Director/Editor	909.793.5395	Joe Casey
E-mail:	joekc@juno.com	
Librarian	909.796.6417	Barry Urman

LEADERSHIP TEAM -- 2006

at the July meeting. We plan to meet near the Ontario Airport. Please try to have the balance of your payment ready to give to Karen at the meeting. The total cost is \$60.00 so if you've made a \$25.00 deposit, then you owe \$35.00.

Don't forget the **CSSA Show & Sale** at the Huntington Library on June 30-July 2. The show is open on July 1&2 only. No charge for the show and sale (unless, of course, if you buy several boxes full of plants at the sale.

We are sti;; working on a guided tour at the **Huntington** for November. Will should have the date by next month.

AND NOW WE NEED YOUR HELP!!

Your Board of Directors would like to appoint a person to become the overall Show & Sale Coordinator. This person would not necessarily be a current sitting board member, but would have board status so that their input would be a part of the record of the club. If anyone in the club would care to take on this job, we can say that there will be a lot of support. As your President and approaching the magic 65 I feel the need to have someone in charge with the focus to make sure that all of the details required to put on an event as complex as the Show and Sale are dealt with. We have tons of back up written material, check lists, etc. to get the new Coordinator started. The Coordinator, will not do all of the work. The idea is to have a committee organizational set up so the work can be handled by a majority of the members in the club.

See you at the meeting!

Buck

SUCCULENTS

Marilyn Reimann, Dennis Kucera judging

ADVANCED

- 1st Dennis Kucera
- 2nd Joella Olson

KALANCHOE

- small, 6" pot or less
- Kalanchoe tomentosa
- Kalanchoe ladysmithensis

ADVANCED

- 1st Dennis Kucera
- 2nd Bob Laughlin

- LARGE, over 6" pot
- Kalanchoe orgyalis
- Kalanchoe pumila

MINI-SHOW RESULTS FOR JUNE 2006

MELOCACTUS

DISCOCACTUS

Marilyn Reimann, Dennis Kucera judging

ADVANCED

- 2nd Joella Olsen
- 3rd Bob Laughlin

- small, 6" pot or less
- Melocactus violacea
- Melocactus azureus

ADVANCED

- 1st Bob Laughlin
- 2nd Buck Hememway
- 3rd Bob Laughlin

- LARGE, over 6" pot
- Melocactus azureus
- Melocactus ernestii
- Melocactus concinnus

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CACTUS and SUCCULENTS OF THE MONTH FOR YR 2006

JULY Stapeliads, Stapelia, Orbia, Hoodia Huernia Caralluma etc. Ferocactus, Echinocactus

AUGUST Ficus, Dorstenia, Didieria, Alluardia Echinocereus

SEPTEMBER Pachypodium, AdeniumPlumeria Rebutia

OCTOBER Portulacaria, Anacamperos Copiapoa, Thelocactus, Coryphantha, DEAD cactus



MINI-SHOW RESULTS FOR JUNE, 2006

JULY BIRTHDAYS

Our Very Best Birthday Wishes to these members:

7/04	America	(***)
7/14	Sharlene Mauritz	(69)
7/18	Yvonne Hemenway	(57)
7/22	Eleanor Grecian	(79)
7/26	Edna Osborn	(??)
7/27	Peg Parks	(69)

Look at those seniors, all 57+!

JULY ANNIVERSARIES.

Our congratulations and Best Wishes for the Future to both couples:

7/10	Gayle & Stewart Lease	(30)
7/25	Karen & Chris Roholt	(24)



Other Awards & Statistics

Number of entries in Show:	322
Number of exhibitors:	18
High Points Cactus:	Judy Horne
High Points Succulent:	Robert Laughlin

Overall High Points "SWEEPSTAKES":
Robert Laughlin



JULY MINI-SHOW CACTUS OF THE MONTH ECHINOCACTUS and FEROCACTUS

By Dennis Kucera

These two genera are very closely related and Dr. Edmund Jaeger used only the genus Echinocactus. In his Desert Wildflower book. Over 50 years ago botanists split the genus into Ferocactus and Echinocactus. Of the three tribes of the cactus family these two genera belong to the cereus tribe, Cereeae, known by its ribbed fleshy stems of continuous growth. There are eight sub tribes in the cereus tribe. These two genera belong to the Echinocactaneae sub tribe, the barrel, ball and star cacti. About 25 genera are included in this sub tribe including Ariocarpus, Astrophytum, Chilenia, Frailea, Gymnocalycium, Lophophora, Notocactus, Parodia, and others. Ferocactus are commonly named barrel cactus, fish hook cactus, or visnaga. There are about 25 species of these large ribbed ovoid cactus of the southwestern U. S. and Mexico. their stems are cespitose, mostly simple globose to cylindrical, strongly ribbed and spiny. The larger spines are often flattened and hooked. The flowers are solitary on the upper side of the areoles, campanulate to funnel form, yellow to red, and staying open for several days. The tube and ovary are densely scaly, stamens numerous, fruit oblong and fleshy, seeds are black and pitted.

Ferocactus *acanthodes* is the common barrel cactus of our deserts in California with a range extending into Utah, Nevada, Arizona and Baja California. This plant can live 30 years or more forming a cylindrical stem one foot thick and seven feet tall. It has a crown of yellow flowers in spring.

F. Gatesii, named for Howard E. Gates, is a cylindrical cactus up to five feet tall. The flowers are red, funnel form 2 1/2 long and wide. It is native only to Smith Island of Baja California.

F. viridescens is a small coastal barrel of San Diego County coast into northern Baja California.

F. wislizenii, the fish hook cactus, grows to ten feet high with orange red flowers 2 1/2 inches long and wide. It grows wild in Arizona to Texas and northern Mexico.

Echinocactus has 16 species found wild in Mexico and the southwestern U. S. It has similar growth characteristics as *Ferocactus*, except the crown is woolly and the fruits are woolly.

E. grusonii, the golden barrel is a common favorite easily grown from seed. It has a large simple stem up to three feet wide and tall with bright golden spines. The older larger plants may grow several globular offshoots at its base. This species originally from central Mexico may be extinct in the wild from over collecting. It now survives in cultivation and is fortunately commonly grown.

E. ingens the Mexican giant barrel is globose to four feet wide and high. The cultivar cv., *helephoras* is heavily banded with purple when young.

E. polycephalus with red spines forms clusters of globose stems up to 30 in a cluster. Each stem is one foot thick and up to two feet high. This species is native to south eastern California Nevada, Utah, western Arizona and northern Mexico.

Bring your handsome specimens of barrel cactus for the MINI-SHOW

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**SUCCULENTS OF THE MONTH
JULY 2006 STAPELIADS
CARALLUMA, EDITHCOLA, ORBEA
ECHIDNOPSIS, HOODIA, HUERNIA
ORBEOPSIS, ORBEANTHUS,
STAPELIA, STAPELLIANTHUS,
TAVARESIA, TRICHOCAULON,
TROMOTRICHE, PIARANTHUS**

These leafless succulent stem plants are members of the milkweed family,

Asclepiadaceae. There are about 300 genera and 2,800 species of plants in this family. They come from most continents from temperate to tropical and desert climates. They can be leafy shrubs, vines or clump forming low leafless succulents.

We are most interested in the **Stapeliae** group listed above. These leafless, thick stem succulents have very reduced leaves or tubercles or teeth. Their very succulent flowers have 5 petals or petal lobes and often are very bad smelling. The reddish brown color and smell of rotting meat of the flower attract carrion fly's, blue tailed fly's and other insects for pollination. They are native to the deserts of Arabia, Africa and Madagascar.

Edithcola has 2 species with 5 angle stems to 12 inches tall from eastern Africa and Yemen. *E. grandis* has reddish brown and yellow star shaped flowers to 5 inches across.

Caraluma, syn. Frerea, is a genus of 80 to 100 species of clump forming perennial succulents from Africa, Socotra, Arabia, India, and Burma. They have open, bell shaped flowers with 5 lobes. *C. barchardii* is a cushion forming, leafless succulent with gray green stems to 3 inches. They have clusters of small reddish brown flowers in summer. It comes from Morocco and the Canary Islands. *C. joannis* is another leafless succulent to 4 inches tall with purple green stems. In summer it has clusters up to 10 flowers each 1 inch across. These bell flowers are red spotted inside with velvety purple lobes tipped with fine hairs. It comes from Morocco.

Hoodia is a genus closely related to **Trichocaulon** with about 20 species of erect branching perennial succulents with spines. They come from Angola, Botswana, South Africa and Namibia. They produce large saucer to cup shaped flowers with a fowl odor. *H. bainii* is a subshrub to 8 inches high with erect stems with up to 15 angular ribs with brown spines. The dull yellow flowers are up to 3 inches across. It is

native to S. Africa and Namibia. *H. currorii* is an erect shrub to 24 inches with spiny ribs. The terminal flowers are cupped shaped up to 8 inches across, green to ivory to pink. It comes from Angola and Namibia.

Huernia is genus of about 65 species of low growing erect succulent from S. Africa to Ethiopia and Arabia. *H. pillansia* from S. Africa has short 1 ½ green stems that are very bristly. It has starfish shaped flowers to 1 ½ inches across cream, pink or red. *H. zebrina* from Namibia, Botswana and S. Africa has creamy colored flowers with numerous purple brown bands.

Orbea is a genus of about 20 species of dwarf, clump forming, leafless succulents, closely related and originally called Stapelia. They come from dry rocky hillsides of eastern and southern Africa. Their flowers are 5 pointed stars with a carrion scent that attracts blue bottle flies for pollination. *O. ciliata* grow into a 2 inch high mat of erect 4 angled toothed stems that are green with red tips. Bowl shaped yellow, purple spotted flowers, 3 inches across develop in summer. *O. variegata*, Syn. *Stapelia variegata*, is commonly called starfish cactus and they do smell fishy when in flower. It forms a clump of 4 inch high erect toothed gray green stems mottled purple. In summer it produced groups of up to 5 flat, very wrinkled dark brownish red, yellow mottled flowers. It comes from the east coast of S. Africa. *Stapelia* is a genus of about 45 species known as the carrion flower. They come from hilly terrain of tropical and southern Africa. *S. gigantea*, syn. *S. nobilis*, is a clump forming succulent with 4 angled, velvety, light green stems to 18 inches high and 1 inch thick. Its fowl smelling yellow and dark red flowers are up to 14 inches across and are fringed with silky red hairs. *S. grandiflora* has erect 12 inch stems that are toothed and mid-green about 1 inch thick. Dull purplish red flowers to 9 inches across are produced in summer. It is native to the western and eastern coasts of S. Africa

OTHER TABLES Plant Sales, Discussion, and Refreshment Tables will be open for the July 2006 Meeting.

If you can, bring some 'Goodies' to support the **Refreshment Table**. They will be appreciated.

And a special thank you to those who frequently bring the goodies we enjoy so much.

If you have a plant or two that you wish was not there taking up valuable space on your bench(es), it will look great on our raffle table!



Calendar of Garden Events - 2006

Jun 30th- Jul 2nd CSSA Annual Show and Sale – Sale (30th- 2nd)- Show (1st- 2nd) Huntington Botanical Garden, 1151 Oxford Road, San Marino, CA (626) 405-2160 or 2277.

July 8th-9th Sim's TLC Open Gardens in conjunction with Parade of Ponds.
9:00am to 5:00pm

July 15-16th Los Angeles Cactus and Succulent Society Show and Sale Sepulveda Garden Center, 16633 Magnolia Blvd., Encino, CA Show
Info call (818) 363-3432

July 15th The Hemenways, Pot Luck, Discuss the Show and Sale, the Good and the Bad, 5PM.

August 19th-20th 21st Annual Intercity Cactus and Succulent Show and Sale, LA County Arboretum, 301 N. Baldwin Ave, Arcadia, CA .
Info Call Tom Glavich
(626) 798-2430 or Gene Oster (818) 998-9306.

September 2nd Huntington Botanical Gardens Succulent Symposium All Day at the Huntington.

September 24th Long Beach C&SS Annual Auction, Dominguez Adobe, 18127 So. Alameda St., Compton (Dominguez Hills), CA.

October 14th-15th SGVC&SS Winter Show and Sale, LA County Arboretum, 301 N. Baldwin Ave, Arcadia CA.

Trophy and Ribbon Awards 2006

		Urman	Barry & Kim
			Best Ferocactus: chrysacanthus
			Ferocactus
Best Plant in Show: bispinosum	Pachypodium		Robert Laughlin
	Buck & Yvonne		
Hemenway			Best Haworthia: parksiana
			Hawarothia
Best Cactus in Show: apozolensis	Mammillaria	Hemenway	Buck & Yvonne
	Manny Michelson		
			Best Lithops:
Best Succulent in Show:	Agave potatorum		Lithop sp.
	Buck & Yvonne		Joella Olson
Hemenway			
			Best Mammillaria: hahniana
Best Cactus in Advanced: engelmannii	Echinocereus		Mammillaria
	Dennis Kucera		Judy Horne
			Best Mexican Cactus: capricorne v. niveum
Best Succulent in Advanced: submammillaris	Euphorbia		Astrophytum
	Buck & Yvonne	Hemenway	Buck & Yvonne
Hemenway			
			Best South American Cactus: gibbosum
Best Cactus in Intermediate: Echinofossulocactus sp.			Gymnocalycium
	Eva Dye	Urman	Barry & Kim
Best Succulent in Intermediate: inermis	Euphorbia		Best Aloe:
	Eva Dye		Aloe cv. 'Jaws'
			Dennis Kucera
			Odd-ball Plant:
Judge's Choice 1: kotschoubeyanus	Ariocarpus		Euphorbia sp.
	Frank Nudge		Eva Dye
			Best Sanseveria
Judge's Choice 2:	Eriosyce sp.		Sanseveria patens
	Barry & Kim		Robert Laughlin
Urman			
Best Cactus Novice: stoloniferus	Echinocereus		
	Michael J. Green		
Best Succulent Novice:	Aloe Juconda		
	Karl Osborn		
Best Euphorbia:	Euphorbia sp.		

THIS and THAT

Leo Pickoff

SIGN: ATTENTION

Dog Guardians

Please pick up after your dog, Thank You.

Attention Dogs

Grr, bark, woof. Good Dog

District North Vancouver

We have come to the conclusion that summer has arrived. We goy this rather peculiar feeling after temperatures were reaching 98EF one day and 97EF the next. Then the weather man sneaks in a triple digit day. It is too hot to plow. Therefore, we are not getting a lot done outside.

The butterflies like our garden and Lillian sees a lot of them feeding on the plants she planted. She has seen a number of them feeding on plants in the front yard. Since we can sit at our table and look into the backyard, I put a sign in the front yard telling them not to feed on the plants there. Plenty of food is in the back. They are not reading my sign.

We discovered our hummingbird feeder is not just for the hummingbirds. Finches like sugar water and to our surprise, so dose the Golden-fronted Woodpecker. It has a red cap, a gold nape, and black and white stripes on its wings and back. As soon as we saw it, Lillian got out our feeder with two larger openings and a wood bar for a perch. The dumb woodpecker would come in and hang upside down and bend upward to feed. We don't see them every day.

The Texas Sage or Purple Sage, *Leucophyllum frutescens*. A Texas native what we first encountered in Big Bend National Park. We now have a couple growing in our front flower bed. The name comes from the Greek *leucos*, white, and *phylon*, leaf. The species name means shrubby. As you can see from the picture, it is aptly named.



It is nice to have an old friend from our years of going to Big Bend living with us now. We don't have a lot of planting room left. Don't know what Lillian would do if we found another old friend we would like to invite into our garden.