



*Gates Cactus  
and  
Succulent Society*

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**SEPTEMBER 2008**

**NEXT MEETING: " WEDNESDAY " 7:30PM " SEPTEMBER 3rd**

**AT THE SAN BERNARDINO COUNTY MUSEUM**

**I- 10 AT CALIFORNIA STREET IN REDLANDS, CA.**

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**PROGRAM**

Our speaker for September is **Buck Hemenway**. He will discuss "The ABC's of Cacti and Succulents". A refresher on all things important about our hobby with emphasis on growing succulents in the ground. It sounds easy until you try it. if time permits, an additional presentation on how show judging works.

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**MINI-SHOW PLANTS FOR SEPTEMBER**

**SUCCULENTS** Pachypodium, Adenium and Plumeria

**CACTI** Copiapoa, Thelocactus, Coryphantha

**PLANTS MUST BE ON THE TABLE BY 7:15**

**HOLD THESE DATES!**

Our 21<sup>st</sup> Annual **BBQ** will be held on Saturday, October 4 at Sims' Tree Learning Center (TLC). The club buys the meat (burgers, chicken, dogs) and water/soft drinks, and our members are asked to bring side dishes and desserts. Don't forget your entry for the Cactus Cook-off. Arrival time is 4:00 to look around and set up the Cook-off. We plan on eating at 5:30 or so. Full details in next month's Open Gates.

Our Fall **Home Tour** will be held on Saturday, October 18. We will visit the Green's, Craig's and Marino's yards with lunch at Tony's. After lunch, on to The Mexican Hat Cactus Nursery for a tour of the facility as promised by Harvey at our August meeting. This will be an all day affair, morning, yard tours and afternoon at the nursery. Details and maps in the October Open Gates. *Buck*

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Director	714.235.2376.	Daryl Craig			

## Gates By-Laws.....A Modification

At the last meeting of the Board of Directors, a new class of membership was devised. The new class will be Lifetime. It will allow a member to pay a one-time membership fee and become a member for life. This requires an amendment to our by-laws and a vote by the membership. In accordance with the by-laws, the membership is here-with advised of the pending vote at the September meeting. The Membership Article in the By-Laws will be revised as follows. The added section is underlined:

### ARTICLE II: MEMBERSHIP AND DUES

There shall be three classes of Membership:

a. **ACTIVE:** Any person or organization interested in cacti and other succulent plants is eligible for membership.

b. **HONORARY:** Any member of The Society may nominate a person for Honorary membership. It will be conferred upon approval by a two-thirds vote of the Board of Directors (hereafter called The Board). A person who has given long and devoted service to The Society or one who has made outstanding contributions to the advancement of knowledge of cacti and other succulent plants is eligible for Honorary membership. Honorary members shall have the rights and privileges of Active members, but are not required to pay dues.

c. **LIFETIME:** Any person otherwise eligible for membership may purchase a "Lifetime Membership". The Lifetime Membership will apply to the individual recipient only.

## HOST/HOSTESS DUTY THIS MONTH

### SEPTEMBER 2008

**Chriss & Karren Roholt** have graciously accepted the responsibility for the operation of the kitchen and refreshment tables for this Meeting. Ask if you wish to help. Speaking of help, we need someone for the October Meeting. And we could use another helper for the November Auction Meeting. Tell Joe. Thanks.

## MINI-SHOW RESULTS FOR AUGUST 2008

### PHOTOGRAPHS Succulents and or Cactus

*Dan Griffith judging*

#### NOVICE

1<sup>st</sup> Ann Reynolds            Hylocereus undatus  
2<sup>nd</sup> Ann Platzer            Epiphyllum "Oscars Red"

#### INTERMEDIATE

1<sup>st</sup> Karl D. Osborn Sr.    Cymnocalycium Bruchii  
2<sup>nd</sup> Dan Griffith            Agave species  
3<sup>rd</sup> Karl D. Osborn Sr.    Echinocereus longisetus  
H.M. Karl D. Osborn    Aeonium arboreum

#### ADVANCED

1<sup>ST</sup> Barry, Kim Urman Echinocereus 'Patty Cake'  
2<sup>nd</sup> Barry, Kim Urman Leuchtenbergia principis  
3<sup>rd</sup> Barry, Kim Urman Ferocactus species  
H.M. Kim Urman        Browingia species

## MINI-SHOW RESULTS FOR AUGUST 2008

### DISH GARDENS AND PLANTERS

*Janet Burnham, Dennis Kucera judging*

#### NOVICE

1<sup>st</sup> Ann Reynolds  
2<sup>nd</sup> Betty Ann Kent        Cacti  
H.M. Betty Ann Kent    Succulents  
H.M. Betty Ann Kent    Mixed

#### INTERMEDIATE

1<sup>st</sup> Judy Horne            Succulents  
1<sup>st</sup> Carlos Ruiz            Succulents  
2<sup>nd</sup> Ina Schweitzer  
2<sup>nd</sup> Judy Horne            Planter  
2<sup>nd</sup> Don, Mary Alice McGrew  
3<sup>rd</sup> Don, Mary Alice McGrew

#### ADVANCED

1<sup>ST</sup> Dennis Kucera        Crassula goat food forest  
2<sup>nd</sup> Joella Olson  
3<sup>rd</sup> Bob Laughlin        Succulent planter

## MINI-SHOW PLANTS FOR SEPTEMBER 2008

SUCCULLENTS    Pachypodium, Adenium and Plumeria

CACTI    Copiapoa, Thelocactus, Coryphantha

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## REMAINING 2008 MINI-SHOW PLANTS

SEPTEMBER Succulents; Pachypodium  
Adenium, Plumeria,  
Cactus; Copiapoa, Coryphantha

OCTOBER Succulents; Stapelia, Huernia,  
Hoodia, and relatives  
Cactus; Melocactus

NOVEMBER ANNUAL AUCTION

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**NOVEMBER AUCTION.** This is an early reminder. With only two months to go it is time to think about your offering to this yearly fun event. But more than that, the auction is a major fund raiser for the *Gates C&S Society*. Further, it is an opportunity for you to bid and buy large and sometimes rare specimen plants. To encourage greater attendance, interest and participation in the auction and bidding, we need specimen plants. That's where you come in! We ask each member to grow, pamper, baby, fertilize, talk to, groom, polish and stage **ONE GOOD PLANT**, to be **donated** to the Society. **Just One Plant as Beautiful as You can make it.** You are not limited to just **ONE** plant, however if everybody brings just **ONE GOOD PLANT** we'll have a **GREAT AUCTION** and have a lot of fun to boot. † ^ \$



Visit the Gates Cactus & Succulent Society at:  
[www.gatescss.org](http://www.gatescss.org)

### Calendar of Garden Events - 2008

- \*Oct 4 GCSS 21<sup>st</sup> Annual BBQ at the Sim's TLC
- \*Oct 18 GCSS Home Garden Tour
- \*Oct 18-19 UCR Botanic Garden Fall Plant Sale, UC Riverside. 951.784.6962 [www.gardens.ucr.edu](http://www.gardens.ucr.edu)

## SEPTEMBER BIRTHDAYS

Our Very Best Birthday Wishes to all of these members:

- 9/01 Don Zeber (72)
- 9/03 Jerry Horne (74)
- 9/03 Carol Wujcik (65)
- 9/10 Amber Jones (47)
- 9/12 Joe Strzelec (??)
- 9/13 Jill Coleman (62)
- 9/13 Alan Towar (53)
- 9/15 Monica Dirac (66)
- 9/21 Don McGrew (74)
- 9/24 Herman Mauritz (82)
- 9/25 Diana Higdem (61)
- 9/26 Ruth Reis (??)
- 9/29 Janet Burnham (67)
- 9/29 Judy Horne (67)
- 9/29 Gary Sims (62)
- 9/30 Teresa Hernandez (44)

Only three are under 60! WOW!!  
To all 16, we send our *very best wishes* especially to Herman on his 82th BD.

## SEPTEMBER ANNIVERSARIES

- 9/06 Edna & Karl Osborn (38)
- 9/10 Sharlene/Herman Mauritz(42)
- 9/20 Peg & Mel Parks (52)
- 9/20 Jodee & Alan Towar (11)
- 9/25 Diana & Jim Higdem (43)

**Congratulations on your special day. May you be able to do all that you used to do or wish to do!**



## CACTUS OF THE MONTH SEPTEMBER 2008 Copiapoa, Thelocactus, Coryphantha

### COPIAPOA

This small genus of about 15 species are native to the dry coastal deserts of northern Chile. These slow growing spherical plants may be solitary or in clumps. These light gray green plants have numerous ribs indented below the areoles with few to many spines depending on the species. Water modestly during the hot months and keep dry during winter and covered during our winter rains.

**C. cinerea** has 8 inch wide spherical stems that are gray white with as many as 30 ribs. The dark brown areoles may have only 1 or 2 spines. In summer it may produce bright yellow flowers 1 1/2 inches long.

**C. hypogaea** syn. *C. barquimensis* may be solitary or form clumps of dark brownish green stems to 3 inches across. The white woolly areoles have a few white radial spines. In summer it may bloom with yellow flowers, 3/4 inch long.

**C. krainziana** forms clumps up to 3 feet across of spherical gray green stems 5 inches across. Each head may have up to 24 ribs with gray areoles and many gray spines. In summer it may produce golden yellow flowers 1 1/2 inches across.

### THELOCACTUS

This genus has about 11 species occurring wild in southwestern U.S. and deserts of Mexico. They are small generally ribbed plants closely related to *Ferocactus*. They grow actively during the warm months with modest watering, but should have no watering or rainwater in winter.

**T. bicolor**, syn. *Ferocactus bicolor* is usually a solitary plant 4 inches across. It is native to Texas and north Mexico. The spherical bluish green stems have up to 13 ribs that may spiral. The areoles which have nectar secreting glands produce many spines that are red, yellow or white in color. In summer it may produce large 3 inch wide flowers that are dark pink with a red throat.

**T. leucanthus** usually forms clusters of small cylindrical pale green stems each up to 14 ribs. The areoles with nectar glands may have up to 20 spines in each areole. In summer it may have funnel shaped flowers to 2 inches across.

**T. macdowellii** syn. *Echinomastus macdowellii* is usually a solitary small stem plant that are pale green. Each stem will have up to 25 warty ribs. White felted areoles are tightly arranged with numerous usually white spines. The funnel shaped magenta flowers are 2 inches across.

**T. setispinus**, syn. *Ferocactus setispinus* and *Hamatocactus setispinus*. This usually solitary small stem cactus are spherical to short cylindrical dark green stems. The stems will have up to 15 notched ribs. Rounded straw colored areoles have many white or brown spines. In summer and fall they have 2 inch yellow flowers with red throats.

### CORYPHANTHA

This genus is related to *Mammillarias* and has about 45 species of spherical and cylindrical spiny cacti. They are native to arid southwestern U.S. and Mexico. In summer they may have funnel shaped flowers. Grow in very well drained soil mix, water in summer and keep dry in winter.

**C. alversonii** is our local native found in the Eagle, Chuckawalla and Little San Bernardino mountains near interstate 10. This species is called the fox tail cactus and usually has just one cylindrical stem to 12 inches tall with many white spines. The 1 inch wide flowers are light purple.

**C. cornifera** is a small spherical cactus to 5 inches tall and 3 inches thick. It comes from central Mexico. The gray green stems have angular tubercles with areoles containing up to 12 spines. In summer it has yellow flowers 2 1/2 inches across.

**C. elephantidens** is a low growing mid green plant up to 6 inches tall and 18 inches wide, coming from southwestern Mexico. The stems have prominent tubercles, knobs, with white wool at the base of the tubercle, and white wool on the crown. Each tubercle has up to 8 curved spines. In summer it may have dark pink flowers 4 inches across.

**C. heiteri** is a clump forming plant with dark green stems covered with cone shaped tubercles. The areoles have up to 16 stiff spines. In summer it has bell shaped light purple flowers about 1 inch across.

**C. macromeris** comes from the southwestern U.S. and Mexico and is a variable species usually forming clumps. It has spherical gray green stems. The areoles may have up to 15 red spines. Deep pink or purple flowers to 3 inches across appear in summer.

**C. scheeri** from the southwestern U.S. and Mexico grows into clumps with 7 inch tall mid green stems. In summer this plant has yellow, white or pink flowers 3 inches across.

**C. vivipara** is now called *Escobaria vivipara*

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## SUCCULENTS OF THE MONTH SEPTEMBER 2008 PLUMERIA, PACHYPODIUM, ADENIUM

These 3 genera are members of **Apocynaceae** the dogbane or oleander family. This family has about 215 genera and about 1300 species. They are mostly tropical plants that grow as herbs, shrubs, vines or trees. Usually they have milky juice with toxic alkaloids and glucosides. Several species are sources of medicinal products. Members of this family have simple, pinnately veined leaves with smooth edges like oleander. The flowers have 5 petals united at the base, tubular, that flair out above, horizontally like propeller blades, each petal is angled. Each flower has 5 stamens. Some other genera of this family that are used as ornamentals are *Carissa macrocarpa* the Natal plum, with edible fruit, *Trachelospermum jasminoides*, the very fragrant star jasmine, *Vinca major*, periwinkle a blue flowered cover plant and *Catharanthus roseus*, the Madagascar periwinkle a shrublet with showy pink or white flowers and has medicinal properties.

**Plumeria, commonly called frangipanni**, is a genus of 8 species from tropical and subtropical America. They are drought and cold deciduous shrubs or trees with round succulent stems.

They have large showy clusters of very fragrant 5 petaled flowers that are white, pink, yellow or purple depending on the species. Visitors to Hawaii may be presented with a frangipanni flower lei strung on a long string. They can be rooted from cuttings or seed grown. The stems have abundant toxic milky sap, so use care.

**P. acutifolia** is a species native to Baja California Sur south of La Paz and Mexico. They can grow to 20 feet and often bloom before leafing out forming a showy mass of white flowers with yellow centers.

**P. alba** of Puerto Rico and other nearby islands is called the west Indian jasmine. It forms a sparsely branched tree to 20 feet with very thick stems. It has yellow eyed white flowers 2 ½ inches across summer and autumn.

**P. rubra** is the more common frangipanni with rose pink or sometimes red to bronze flowers. It is native to Mexico southward to Panama. For most of us it is best to grow as a large container plant that can be protected from frost and moved under a patio corner or in the house.

**Adenium** is a genus of about 6 species or one extremely variable species with many varieties. They are found in semi-arid regions of the Arabian Peninsula, eastern and southwest Africa. Be very careful in handling these plants since the milky sap that oozes when cut is very poisonous. Wash your hands thoroughly.

Adenium is a smooth, spineless succulent stem shrub or tree with a very swollen caudex. The coarsely branched stems are tipped with clusters of simple leaves.

**A. obesum**, called desert rose, is a variable perennial succulent with a thick bottle shaped caudex up to 6 feet tall when mature. Many short succulent brown branches produce oval leaves 4 inches long in the summer. Very showy red or pink flowers each 1 ½ to 2 ½ inches across are in small terminal clusters in summer. This more commonly grown species is very frost tender and must be protected from winter frost and rain. Keep dry and warm in winter since it will go dormant and drop its leaves. This species is native to Kenya Tanzania and Zimbabwe.

**A socotrana** from the island of Socotra, south of the Arabian peninsula is similar to *A. obesum* but

grows much larger.

**A. oleifolium, or subspecies oleifolium** has an almost oval caudex with 1 to 5 slender branches with clusters of lance shaped gray green leaves. The plant grown only to 18 inches tall. In late summer it has clusters of pink to red flowers. It comes from Botswana and Namibia.

**A. somalense or subspecies somalense is** from eastern Africa has a very tall, cone shaped caudex up to 9 feet tall at maturity. It has short upright branches with clusters of blue green leaves with wavy margins. The smaller 3/4 inch flowers are white or pink.

**Pachypodium** is a genus of about 17 species of spiny stemmed perennial shrubs or trees mostly from Madagascar and 5 species from south Africa. Many have swollen bottle shaped caudices; pachy, thick, podium base. They are very frost tender also and must be grown in a frost free area or under cover.

**P. lamerei** from southern Madagascar is a tall thick trunked spiny succulent to 20 feet tall. It branches near the top at maturity. It has shiny lance shaped dark green leaves 10 to 16 inches long. In summer it produces white flowers 3 inches across and has yellow throated white flower up to 4 1/2 inches across.

**P. geayi** of Madagascar is similar to P. lamerei growing to 25 feet. The spiny branches have more narrow linear leaves to 16 inches long. In summer it produces flowers 3 inches across.

**P. namaquanum** of south Africa and Namibia has usually a simple thorny trunk to 8 feet tall and 12 inches thick. The single cluster of leaves are 2 to 5 inches long with slightly hairy and wavy edges. In summer it has tubular yellow green to purple red flowers.

**P. saundersii** from the Natal of S. Africa, and Zimbabwe is a shrubby, less thorny plant. It has smaller oval shiny green leaves. The showy white flowers have red stripes. There are many more Adeniums and Pachypodiums than mentioned above. Bring them in for the mini-show or discussion table.

## OTHER TABLES

Plant Sales, Discussion, and Refreshments Tables will be open for the September 2008 Meeting.

Bring your Show and Tell plants to discuss or to get identified or to brag on.

If you can, bring some 'Goodies' like fruit or cookies. We do appreciate your support of our very popular *Refreshment Tables*.

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

What a great bunch of Cactophiles we have.

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**Gates Members, FYI.**

**Steven Ingram** is the author of a new book "Cactus, Agaves and Yuccas of California and Nevada." The California Native Plant Society has invited him to speak and present his book at one of their regular meetings on Wednesday, September 17. Their flyer is attached.

Yvonne and I have the book and it is excellent. This is a good chance to learn more about our local succulents from the guy who's been studying them.

*Buck Hemenway*

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## Looking for Plumerias?

Monalisa's Tropical Plants 626.367.3581  
monalisastropicals.com

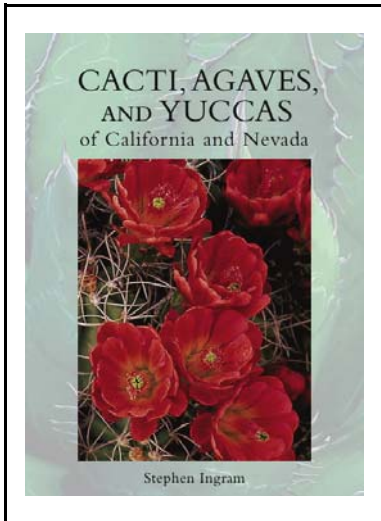
I purchased their Plumeria cuttings at a garden show earlier this year. Two of three cuttings are now in bloom!!

Last week, WalMart had 2 foot, one gallon, white or pink plumerias for 11 bucks. None were in bloom.

*Joe*



**California Native Plant Society**  
*Riverside-San Bernardino Chapter*  
**Cactus, Agaves, and Yuccas of  
California and Nevada**  
**A Multi-media presentation  
with Author Stephen Ingram**



Stephen Ingram's multimedia presentation explores some of the unique attributes of the cacti, agaves, and yuccas. These spiny succulents -- which share many of the same arid habitats -- have long been a source of fascination for explorers, naturalists, and scientists. With stunning images of their colorful blossoms and unusual growth forms, this program showcases species and varieties that occur in California's deserts and coastal areas.

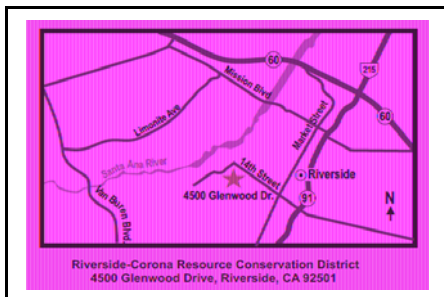
With his new book, "Cacti, Agaves, and Yuccas of California and Nevada" botanist, writer, and photographer Stephen Ingram examines the natural history of these fascinating plants, including their origins, ecology, and conservation, practical horticultural advice for cultivation, and some of the best places to see these succulents in the wild. The author traveled more than 30,000 miles to search out, study, and photograph the cacti, agaves, and yuccas of California and Nevada. The book is a detailed, highly readable, and beautifully illustrated natural history and field guide. "Cacti, Agaves, and Yuccas

of California and Nevada" is an engaging and substantive reference book that can be enjoyed by novice and expert alike.

**Wednesday, September 17, 2008**  
**7 p.m.**

*Riverside-Corona Resource Conservation District,  
Building F Conference Room  
4500 Glenwood Drive, Riverside*

*Following the presentation, Stephen will sign copies of his new book from Cachuma Press,  
"Cacti, Agaves, and Yuccas of California and Nevada."*



*Copies of the book will be available for purchase*

The Riverside-Corona Resource Conservation District entrance is located at 4500 Glenwood Drive, near the intersection of 14th Street and Glenwood Drive, at the base of Mt. Rubidoux.

For directions see: <http://www.rcrcd.com/about.htm>; For information, please contact (951)683-8850 or [kate.cnb@verizon.net](mailto:kate.cnb@verizon.net).