



*Gates Cactus  
and  
Succulent Society*

**MARCH 2007**

**NEXT MEETING: " WEDNESDAY " MARCH 7th  
AT THE JURUPA MOUNTAINS CULTURAL CENTER  
~~AT THE SAN BERNARDINO COUNTY MUSEUM~~**

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

**PROGRAM**

**OUR TRAVELS IN SOUTH AFRICA**

**Buck** Says,  
I'm looking forward to this next meeting. **Yvonne** and I have the great pleasure of sharing a small part of our South African trip with all of you. This talk is about the places we found that promote the growth of our special succulent plants under the most extreme conditions. Quartz Flats and Granite Caps, hold Succulent Treasures of the South African Veld.

**THIS MONTH ONLY**

We can't repeat this too many times. Our March Meeting will be held at the Jurupa Mountains Cultural Center, JMCC. Regular date, March 7 and regular time. Hope to see everyone there.

**PRESIDENT'S MESSAGE**

The Home tour was a success and the weather man came through with a nice, not too cool day with light winds. We activated a phone call by the board members to remind every one of the tour and we did have a nice turn-out. Thanks to **Dennis, Judy and Bob Orth** for showing their Gardens.

Our Board of Directors meeting last Tuesday was very interesting. Most of the talk around the table had to do with the damage from the freezing weather in January. No doubt, everyone lost plants. Our gardens are slowly recovering and many plants have some life left in them. If you can stand to look at them, those with a little green here and there will recover to their former glory with time.

I want to add my welcome to our new members. The enthusiasm in our group is contagious.

President	951.360.8802	Buck Hemenway	Director	951.485.1816	Dennis Kucera
	E-mail: BuckHem@earthlink.net		Director	909.384.6819	Dan Griffith
Vice-Pres	951.235.6678	Mike Green	Director	909.794.7130	Judy Horne
Treasurer	951.369.7180	Karen Roholt	Director/Editor	909.793.5395	Joe Casey
Secretary	951.683.7390	Ina O'Kane		E-mail: joeke@juno.com	
Past Pres	951.243.5940	Amber Jones	Librarian	909.796.6417	Barry Urman
Membership	909.793.5395	Joe Casey			

**LEADERSHIP TEAM -- 2007**

We're adding members at an unprecedented rate. Take the time, please to introduce yourself to people with unfamiliar faces. Our group is so friendly, we need to show that side to the new members as they become part of our group.

We have confirmation from our judges for our annual Show and Sale on June 9. I hope that we were able to take care of our specimen plants, so they will be looking good for the June Show.

Keep the dates of March 24 and 25 clear. The Hemenways' 7th annual Open Gardens and Sale happens that weekend. You are all invited.

Our upcoming speakers are among our favorites, Kelly Griffin in April and Woody Minnich in May.

See you all at the meeting.

Remember, just this one is at the Jurupa Mountains Cultural Center. *Buck*

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### **The Secrets of Photography**

*Daniel P. Griffith*

{there are none}

Most photographers I know believe in this simple philosophy that in photography there are no secrets, as with any other path in life, the path is to be shared so that all may walk it in peace.

### **The Bright Sunlit Flower**

While shooting a flower in bright sunlight the best approach is to place yourself or a piece of cardboard so that a shadow covers the entire field of view you have in your viewfinder, this will eliminate any bright spots in the background as well as the subject (the flower). Now that the image in the viewfinder is neutral we are ready to place some light into it, place a white piece of cardboard or a white tee-shirt facing the sun to an angle so that light is reflected on to the bloom. Move the reflected light around and get the best light you can. This next move might require a helper or a stand to hold the reflector. While moving the light look thru the viewfinder and see what the light is doing to the flower, when the

light does what you like, take the shot! I prefer a soft light but others may prefer a bright light say from a mirror. Happy Shooting!

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### **Lotusland the Gates Field Trip of 2006**

Hello All, this is **Dan Griffith** asking for images from members who went on the club fieldtrip to Lotusland. I am putting a photographic program together to be shown in June before the club. If you want to participate please get your images to me no later than the April meeting, that will be the dead line for submitting images.

Please take your time in selecting your images, a limit of 10 images per member is the most I will allow in the program, so make them your best one's. If every member that went on the trip submits 10 images we may have to cut a few images from the program so as to fit time constraints.

Images should be on a CD in jpeg format, image size must be 800dpi on the long side. Color or Black & White are welcome. Together we will have a great display of our day together at Lotusland. This program is to share our memories with our members especially those who did not make the trip. I will wager that what your neighbor shot was not the same thing you did even while you were standing shoulder to shoulder taking the pictures!

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"If life were fair, Elvis would be alive and all the impersonators would be dead." --Johnny Carson

"Bigamy is having one wife/husband too many. Monogamy is the same." --Oscar Wilde

"Everybody's got to believe in something. I believe I'll have another beer." - W. C. Fields

## Member Spotlight; by Karen Roholt

Leon and Alice Beardsley joined GCSS in 1968. They initially came to a meeting at the invitation of a neighbor, Sylvia Gould. Alice is a retired beauty operator and likes mammillarias. Leon is retired from Norton Air Force Base and likes echeverias.

Felix Musso joined Gates in 2006 because he is fascinated with succulents. He is retired and also belongs to the Redlands Horticulture and Improvement Society.

## DUES ARE DUE (Last Call)

Yes, It Is past That Time again. The dues remain at \$12, Twelve Bucks, a dollar a month, far less than the cost of our world famous Society Newsletter, Open Gates.

To make it easier on me, and to pick up mistakes on our mailing list, I'll have some renewal slips at the Meeting. You'll need to fill one out in order to renew.

There will be a place for your e-mail address. The Board is asking you to consider receiving "The Chapter Newsletter" by e-mail. You'll receive it earlier (maybe, even on time!), pictures will be in color and the Society will save \$1, one buck, every month. At the moment, we spend near \$100 a month on printing and postage. More importantly, We'll can send you members e-mail addresses, on request. Also, you can send any important info discovered on the web, as a FYI, to Buck or Joe. We are always looking for articles for the Open Gates.

## You can mail your dues to:

GCSS % Joe Casey  
307 Westwood Lane  
Redlands, CA 92373

Please attach your phone number and email address to your check.

## MARCH BIRTHDAYS

3/05	Felix Mosso	(72)
3/10	Earlene Ketchum	(53)
3/10	Lois Ritter	(70)
3/15	Marilyn Alford	(71)
3/17	St. Patrick	Old
3/17	Barry Urman	(58)
3/18	Bill Downie	(86)
3/22	Joe Wujcik	(65)
3/23	Karl Osborn	(71)
3/24	Mrs. Dieter Kruger	(46)
3/26	Vivian Nightinggale	(74)
3/26	Valesca Dwyer	(54)
3/28	Kimberly Urman	(50)
3/29	Jim Westerhoff	(65)

## Our Best Wishes to all.

We salute our Seniors, *Bill Downey* on his 86th BD and *Vivian Nightinggale* on her 74st BD. We send our very best wishes to all the over half Century BD's. and to Kim, arriving at 50 years! Again, look at all the seniors still attending, how wonderful and are we proud!

Do have a very Happy Birthday!



## MARCH ANNIVERSARIES

NONE! Did I miss anyone?



## OTHER TABLES

Plant Sales, Discussion, and Refreshments Tables will be open for the March 2007 Meeting. Bring your Show and Tell plants to discuss or to get identified. A good picture will also do!

If you can, bring some 'Goodies' to support our popular *Refreshment Table*.

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

To those who signed up to be a Hostess/Host for one month this year, we THANK YOU. If you haven't taken a turn yet, why not give it a try. You only get to do this every three or four years!

## SUCCULENT OF THE MONTH MARCH 07 MESEMBRYANTHEMACEAE SYN.

### AIZOACEAE ICE PLANTS AND RELATIVES

*Dennis Kucera*

This succulent leaf family includes over 100 genera and over 2000 species. These plants are native to southern Africa and grow as small shrubs, spreading cover plants or small stemless plants such as living stones; Lithops species. Their usually showy flowers have numerous petals. The fruit is a hygroscopic capsule which opens when wet to release seeds and closes when dry. This is an adaptation to the arid climates where they grow wild. The different characteristics of the fruit determine what genus a particular Mesem. plant belongs to, according to the botanists. The rest of us can determine many genera by their habit of growth and leaf shapes.

**Mesembryanthemum** *crystallinum* is one of the few remaining species of this genus. It is a spreading ground hugging annual with triangular green leaves about 2 inches long. The leaf and stem surfaces are densely covered with large whitish water cells, vesicles, which look like ice crystals, thus the common name ice plant. This stored water allows the plant to live longer into the hot dry season so the fruit and seed can develop. This species and *M. nodiflora* are naturalized along coastal areas of southern CA and Baja California. In the 1950's botanists split many species of the Mesem. genus into several other genera such as ***Aptenia*, *Carpobrotus*, *Doreanthus* and *Lampranthus*.**

**Lithops** are known as living stones and stone plants. This genus includes about 40 species of dwarf, almost stemless succulent perennials, growing wild among rocks and pebbles in Namibia and S. Africa. On the flat upper surface of each leaf is a window like panel of dots, lines or patches in definite designs according to the species. The showy yellow or white flowers to 1 ½ inches wide develop in mid summer to mid autumn. Well drained soil is needed with careful watering and monthly fertilizing ½ strength in summer to mid autumn. Keep dry during winter and spring.

Other similar growing Mesems without leaf top designs are ***Conophytum*, *Argyroderma*, *Dinteranthus* and *Pleiospilos*.** These living stones with matching pebbles make fascinating pot plants.

**Faucaria** is a genus of over 30 species of clump forming almost stemless perennial succulents from S. Africa. The fleshy spotted leaves with thick marginal teeth can resemble gaping jaws. Large daisy like pink, yellow or white flowers open in afternoon during summer.

*F. tigrina*, tiger jaws is most commonly grown developing golden yellow flowers 2 inches across in summer.

**Titanopsis** is a genus of about 5 species of low clump forming succulents similar to *Faucaria*.

*T. calcarea*, commonly called the jewel plant has spoon shaped bluish green leaves 3 inches long with a dense covering of reddish or light gray tubercles. It has ¾ inch wide golden yellow flowers in late summer.

**Trichodiadema** is a genus of about 30 species of small tuberous, or woody based, shrubby perennials. They have succulent leaves with shiny, stiff bristles at the leaf tips.

Do you have baby toes, *Fenestraria rhopalophala*? This plant has upright club shaped succulent leaves with transparent flat tops.

**Glottiphyllum** is a genus of about 60 species of low growing branching perennial succulents with fleshy strapped shaped leaves that are bright green and glossy.

*G. linguiforme*, tongue shape, produces golden yellow flowers 3 inches across.

**Deloperma** is a genus of 150 species of succulent shrublets or mat forming perennials.

*D. echinata* is a small branchy shrublet with peanut shaped bristly green leaves developing yellow flowers. It makes a nice pot plant.

What would we do without the many useful Mesem. ground covers? They are not very good pot plants but commonly used in landscaping. The freeway ice plant, *Hotentot fig*, *Carpobrotus edulis*, covers thousands of acres of freeway banks in southern California. Rosea ice plant ***Drosanthemum hispidum*** is a thick branchy cover plant with many small juicy green leaves. This is great for banks being drought and fire resistant. In late spring it can become a brilliant mass of pink flowers. The many shrubby ***Lampranthus*** have 180 species. They produce solid displays of brilliant purple, orange, pink or yellow flowers depending on the species. The fastest cover plant in the west is ***Aptenia cordifolia***, "red apple" which is a very fast growing cover plant with red flowers. I will bring in branches of some of these cover plants for discussion and give away at the next meeting.

**CACTI OF THE MONTH    MARCH 2007**  
**CEPHALOCEREUS, CLEISTOCACTUS**  
**PILOSOCEREUS**

**CEPHALOCEREUS** is a genus of 3 remaining species that are closely related to *Pilosocereus*. These tall columnar cacti come from rocky areas of central Mexico. They have ribbed stems with closely set areoles with numerous spines.

*C. senilis*, syn. *Pilosocereus senilis*, is our favorite Old Man Cactus. It has up to 30 ribs hidden under a heavy cover of long white hair like spines. It grows up to 49 feet tall and a trunk over one foot thick. It can branch from the base. In summer older plants will produce 2 inch long pink flowers that open at night. Grow in very well drained soil in full sun. In the spring and summer growing season water moderately, but deep completely dry in winter.

*C. happenstedtii*, syn. *Haseltonia columna-trajani* is a columnar unbranched cactus to 30 feet high and 1 foot thick. The grayish-green stems have about 16 ribs with very close set areoles with numerous whitish spines. These plants develop a pseudocephalium on one side just

below the growing tip where white or pale yellow flowers develop that open at night.

**CLEISTOCACTUS** is a genus of about 50 species from the high mountain areas of Peru, Bolivia, Paraguay and Argentina. These columnar cacti have cylindrical stems with rounded ribs and dense, bristle like spines. Many species branch copiously from the base.

*C. hylacanthus*, syn. *C. jujuyensis*. Is an erect plant, branching freely from the base. The grayish green stems can grow 3 feet tall and 2 inches thick. The stems are covered with bristle like brownish yellow or yellow white spines. In summer it can have pale red flowers 1 ½ inches long. It is native to Bolivia and N.W. Argentina.

*C. strausii* is the Silver Torch cactus. This freely branching erect cactus has stems up to 3 inches thick and up to 3 feet tall. The light green stems have 25 ribs with dense white spines. In summer it can have 3 inch tubular red flowers. It comes from Bolivia.

**PILOSOCEREUS**, syn. *Pseudopilosocereus azureus* is a columnar plant to 16 feet with light grayish blue branches about 3 inches thick. The stems have 7 to 10 ribs with wide set areoles with short yellow brown spines. In summer it can have cylindrical white flowers opening at night. It comes from Brazil.

*C. rosae* is a tall blue stemmed columnar cactus that branches from the base. It has up to 10 ribs with closely set areoles. The spines are yellowish brown. The funnel shaped flowers are white that open at night in summer. This plant is native to Brazil.                    @ @ @ @ @ @ @

***This came from a FYI email***

The State with the highest percentage of people who walk to work: Alaska  
 -----  
 The percentage of Africa that is wilderness: 28%  
 (now get this...)  
 -----  
 The percentage of North America that is wilderness: 38%  
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**MINI-SHOW RESULTS FOR February 2007  
CRASSULA, COTYLEDON, TYLECODON**

*Marilyn Reimann, Dennis Kucera judging*

<b>NOVICE</b>	<b>small, 6" pot or less</b>
1 <sup>st</sup> Betty Ann Kent	Crassula species
2 <sup>nd</sup> Betty Ann Kent	Crassula species
<b>ADVANCED</b>	<b>small, 6" pot or less</b>
1 <sup>st</sup> Buck and Yvonne	Crassula "Devils Horn"
2 <sup>nd</sup> Bob Laughlin	Crassula "Moonglow"
2 <sup>nd</sup> Alice Beardsley	Crassula coralito
3 <sup>rd</sup> Joella Olson	Crassula volkensii
3 <sup>rd</sup> Bob Laughlin	Crassula arborescens variegata
3 <sup>rd</sup> Joella Olsen	Crassula columella

<b>ADVANCED</b>	<b>LARGE, over 6" pot</b>
1 <sup>st</sup> Joella Olsen	Tylecodon pearsonii
2 <sup>nd</sup> Frank Nudge	Tylecodon pearsonii
3 <sup>rd</sup> Dennis Kucera	Tylecodon cacaloides
H.M. Buck & Yvonne	Tylecodon cacaloides
H.M. Joella Olsen	Tylecodon paniculata
H.M. Bob Laughlin	Tylecodon paniculata Var. dinteri

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**A NEW BOOK**

Please join the celebration of the completion and arrival of GCSS Member, Oscar Clarke's;

**FLORA OF THE SANTA ANA RIVER and the ENVIRONS with References to World Botany**

OPEN HOUSE 10AM-10PM  
17 & 18 March

A time to visit, meet new friends and see old friends. If you like, pick up a copy of the book and get it signed by the authors; Oscar Clarke, Danielle Svehla, Greg Ballmer, Arlee Mantalvo. The publisher Malcolm Margolin, will be there. Refreshments will be served.

266 Frost Court, Riverside, CA. 951-369-8809

Please plan to park on city streets (Frost Court or Watkins Drive) unless you need to drive someone up the steep driveway.

**MINI-SHOW RESULTS FOR FEBRUARY 07  
ECHINOPSIS** includes Trichocereus, Lobivia

*Marilyn Reimann and Dennis Kucera judging*

<b>NOVICE</b>	<b>small, 6" pot or less</b>
1 <sup>st</sup> M. J. Green	Echinopsis Hybrid
2 <sup>nd</sup> M. J. Green	Echinopsis species
<b>NOVICE</b>	<b>LARGE, over 6" pot</b>
1 <sup>st</sup> M. J. Green	Echinopsis hybrid
<b>ADVANCED</b>	<b>small, 6" pot or less</b>
1 <sup>st</sup> Buck & Yvonne	Echinopsis leucantha
2 <sup>nd</sup> Bob Laughlin	Lobivia arachnacantha
3 <sup>rd</sup> Joella Olson	Echinopsis hybrid
3 <sup>rd</sup> Bob Laughlin	Chamaecereus sylvestreii Peanut Cactus

<b>ADVANCED</b>	<b>LARGE, over 6" pot</b>
1 <sup>st</sup> Bob Laughlin	E. melanopotamicum leucantha
2 <sup>nd</sup> Judy Horne	Lobivia wrightiana
2 <sup>nd</sup> Bob Laughlin	Trichocereus grandiflorus
3 <sup>rd</sup> Dennis Kucera	Echinopsis oxygena
3 <sup>rd</sup> Dennis Kucera	Echinopsis huasha

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**A NEW BOOK** contd.

Want to know the cultural uses for members of the genus *Galium* or bedstraw? (They were once used to curdle milk.) When is the best time to view the beautiful *Paeonia californica* flower? (Early Spring.) And what bird is responsible for the wide spread distribution of *Tribulus terrestris*, the puncture vine? (The airplane! The spiny fruit stuck to the tires of aircraft and made its way around the world.) Local naturalist, Oscar Clarke, has studied the natural history of the Santa Ana River for over seventy five years and has woven these stories with technical botanical information to produce a much needed and unique perspective suitable for both the amateur naturalist and the professional botanist,

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## Calendar of Garden Events - 2007

**March 17-18** Oscar Clarke, Open House and Book Signing, 10-10pm, 266 Frost Court, Riverside, CA. 951-369-8809.

**March 24-25** The Hemenways' 7th annual Open Gardens and Sale, 9-5 Sat, 9-3 Sun, 5890 Grinnell Drive, Riverside, CA 951-360-8802

**March 31-April 1** UCR Botanic Garden Spring Plant Sale, UC Riverside. 951-784-6962

**April 14-15** Riverside Flower Show, Elk's Lodge, 6166 Brockton Ave., Riverside, CA.

**April 20-22** Inland Region Iris Society, Spring Trek, "The Artists Palette", Ayers Hotel & Suites, 1945 Holt Blvd., Ontario, CA. Includes garden visits, Call for fees & schedule 951-689-7851

**April 21-22** Green Scene Plant Sale, Fullerton Arboretum, 1900 Associated Road, Fullerton, CA. 10-4 both days.

**April 22** South Bay Epiphyllum Show & Sale, South Coast Botanic Garden 26300 Crenshaw Blvd. Palos Verdes Peninsula, CA. 310-831-1209

**April 28-29** Redlands Horticulture & Improvement Society Flower Show & Garden Tour, ESRI Café, 370 New York St., Redlands, CA. [www.rhis.org](http://www.rhis.org)

**May 5-6** Sunset Succulent Society Show & Sale, Veterans Memorial Center, 4117 Overland Ave. Culver Cith, CA. 310-822-1783

**May 20** Huntington Plant Sale, 10-5 Huntington Botanical Garden, 1151 Oxford Road, San Marino, CA. 626-405-2160

**May 20** Epiphyllum Society Show & Sale LA Co. Arboretum, Arcadia, CA. 310-831-1209

**May 25-30** 32<sup>nd</sup> CSSA Biennial Convention – Seattle Airport Double Tree [www.cssainc.org](http://www.cssainc.org)

**June 2-3** San Diego C&SS Show & Sale, Balboa Park, Rm 101, San Diego, CA 619-477-4779

**June 8-10** Los Angeles C&SS Show & Sale, Sepulveda Garden Center, 16633 Magnolia Blvd. Encino, CA. 818-363-3432

**June 9** Gates C&SS Show and Sale. Show 1-4 Sat, ; Sale 9-4 Sat, Jurupa Mountains Cultural Center, 7621 Granite Hill Dr, Glen Avon, CA. 951- 360-8802.

**June 9** Green Faire –Jurupa Mountains Cultural Center, Sat 9-4, Several local clubs will have info and sales booths.

**June 23** GCSS Field Trip, Rancho Soledad, Kelly Griffin to show us around. Then to Quail Botanic Gardens and probably one more. Should be a great day. 951-360-8802

**June 30-July 2** CSSA Show & Sale Huntington Botanical Garden, San Marino, CA. Show July 1-2. 626-405-2160 or 2277

**August 18-19** Intercity Show & Sale, LA Co. Arboretum, 301 N. Baldwin Ave. Arcadia, CA. 626-798-2430

**October 13-14** San Gabriel Valley C&SS, Show and Sale, LA Co. Arboretum, 301 N. Baldwin Ave, Arcadia, CA



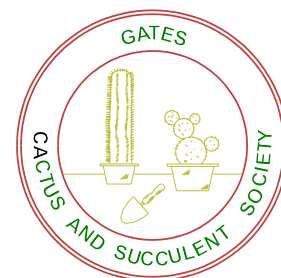
## SAY HELLO TO OUR NEW MEMBERS

Dieter Kruger FEB 07  
Riverside, CA

Sheldon Lisker FEB 07  
Sun City, CA

Gloria & John Martinez FEB 07  
Riverside, CA

Let them know the Gates Cactus and Succulent Society appreciates their Membership. Help them with their concerns. Solve their issues. That's why they came to see us!



**CACTUS AND SUCCULENTS OF THE  
MONTH FOR 2007** (Changes shown in color).

**FEBRUARY**

**ECHINOPSIS**, includes **Trichocereus** and  
**Lobivia**

**CRASSULA, COTYLEDON, TYLECODON**

**MARCH**

**PILOCEREUS CEPHALOCEREUS,**  
**CLEISTOCACTUS**

**MESEMBRYANTHEMACEAE**

**APRIL**

**AGAVE & RELATIVES**

**FEROCACTUS, ECHINOCACTUS.**

Barrel cactus

**MAY**

**SUCCULENTS AND CACTUS**, Crested,  
Variegated or Monstrose

**JUNE**

**PHOTOS OF CACTUS AND  
SUCCULENTS** and

Your Favorite or Best Cactus and  
Succulent, 1 EACH.

**JULY 4 NO MEETING / NO SHOW**

**AUGUST**

**DISH GARDENS, PLANTERS**, mixed or  
combined in 1 pot, 1 each in 3 categories

**SEPTEMBER**

**HAWORTHIA and GASTERIA**

**ASTROPHYTUM and GYMNOCALYCIUM**

**OCTOBER**

**EUPHORBIA**  
**OPUNTIA**

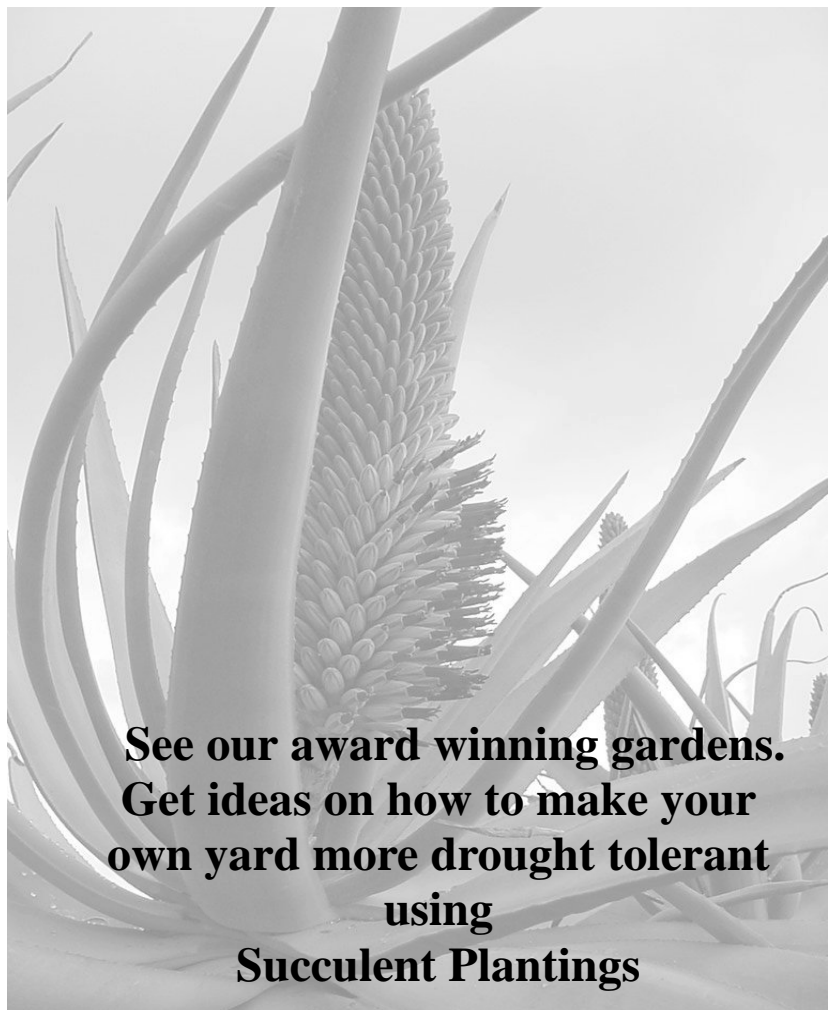


**YOU'RE INVITED  
TO  
BUCK AND YVONNE  
HEMENWAY'S  
7th ANNUAL  
GARDEN TOUR  
AND  
PLANT SALE  
2007**

**When?  
Saturday and Sunday  
March 24th and 25th  
9:00AM till 4:00PM**

See plantings of  
rare and unusual  
Cacti and Succulents.  
Learn how to combine  
leafy plants with succulents  
to create a pleasing  
Southern California Garden

Landscape Sized Plants  
available for your garden,  
Aloes (20 species)  
Agaves (15 species)  
Kalanchoes, Yuccas,  
Golden Barrel Cacti  
Many Many More



**See our award winning gardens.  
Get ideas on how to make your  
own yard more drought tolerant  
using  
Succulent Plantings**

Unusual Plants for Sale  
Variegated, Crested, and Monstrose  
Dasyliroids, Hesperaloes  
Ground Covers (see them in use)  
Rare varieties of Hen and Chicks  
Unusual Euphorbia

5890 Grinnell Dr. Riverside, CA 92509  
(951) 360-8802

