



*Gates Cactus
and
Succulent Society*

FEBRUARY 2007

NEXT MEETING: " WEDNESDAY " FEBRUARY 7th

AT THE SAN BERNARDINO COUNTY MUSEUM

I- 10 AT CALIFORNIA STREET IN REDLANDS, CA.

Program

OUR TRAVELS IN SOUTH AMERICA

The February program will be a presentation of two expeditions that **Amber & Dennis** took to South America in November 2005 and November 2006. I am sure you will enjoy the travelogue of time spent in Argentina, Bolivia and Chile. Beautiful scenery, wonderful cities and of course lots of plants in bloom - cacti, succulents, bromeliads and much, much more!

PRESIDENT'S MESSAGE

First of all I need to apologize to those who went to the Huntington Gardens on Saturday and were not able to get in. It is my fault for not having read the notice more closely.

Please take note of the **Members Home Garden Tour** happening on Saturday, **February 24th**

We will meet at Dennis Kucera's house in Moreno Valley at 9:30 AM. We'll spend about 1 hour there and go to his neighbor, Bob Orth's house which is just around the corner. After about 1 hr there, we'll go to Judy Horne's home in Yucaipa, arriving at about 12:00. Bring your sack/box lunch and we'll have cool drinks for all. Maps are in this Newsletter.

I'm really looking forward to seeing Amber's presentation this month. As I understand it, the program will cover her and Dennis' two trips to South America over the last two fall seasons and feature the wonderful plants and places that they saw. It should be very informative and entertaining.

We're looking for volunteer yards for a home tour in October. Please see any of the Board of Directors to offer your place.

Be sure to mark Saturday, June 23rd on your

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	951.683.7390	Ina O'Kane
Past Pres	951.243.5940	Amber Jones
Membership	909.793.5395	Joe Casey

Director	951.485.1816	Dennis Kucera
Director	909.384.6819	Dan Griffith
Director	909.794.7130	Judy Horne
Director/Editor	909.793.5395	Joe Casey
E-mail:	joekc@juno.com	
Librarian	909.796.6417	Barry Urman

LEADERSHIP TEAM -- 2007

calendar. That's our next field trip. We have asked Kelly Griffin to show us around at Rancho Soledad, and then we'll go to the Quail Botanic Gardens and probably one more. Should be a great day.

While you have your calendar out, mark June 9. That's our Show and Sale. We're frantically trying to rescue some plants from the ravages of the cold.

I forgot to mention the winners of the Newman award in last months Open Gates. Karen and Chris Roholt do wonderful, unsung things for us. From supplying cold drinks for all of our functions, to Karen's taking on our treasurer role and Chris' efforts selling raffle tickets at the Show and Sale, they are always there helping out and making the Gates experience better for all of us. Thanks you guys, and no one is more deserving.

Take note that the March meeting of the society will be held at the Jurupa Mountains Cultural Center, on the regular day (Mar. 7) regular time.

See you at the Meeting! *Buck*

MINI-SHOWS

EVERYBODY COME join the fun of the Mini-Shows, open to ALL members. We want to see your plants. Each month we will have a different cactus and other succulent genus like the ***Crassulas & relatives. And Echinopsis for February.***

There are 3 levels, Novice, Intermediate (for 2 years) and Advanced for old timers. You may enter up to 2 larger plants, over 6" pot, and 2 smaller plants, 6" pot or less, in each of the 2 plant categories. Just have clean healthy plants, clean pots, with some top dressing over the soil, such as sand, gravel or pebbles. You may enter only 1 of a species, not 2 or 3.

Bring your plants for the show by 7:15 P.M. or earlier. On the entry card write your name and plant name twice. Dennis Kucera and others can help you name your plants and place them on

the show table. If you bring many plants January through October (but not on July 4 this year!) You may earn enough points to win a beautiful pot at the next Christmas party. See you and your plants next meeting. *Dennis*

@ @ @ @ @ @ @

And here is the correct Mini-Show listing.
Really, not to different from the 2005 list.

GATES 2006 MINI-SHOW TOTALS

1. 400 points, Bob Laughlin
2. 262 Dennis Kucera
3. 210 Buck and Yvonne Hemenway
4. 208 points Joella Olsen
5. 145 Judy Horn
6. 115 Mary Alice McGrew
7. 90 points Chris and Karen Roholt
8. 65 Karl D. Osborne
9. 50 William and Valesca Dwyer
10. 45 points Betty Anne Kent
11. 30 Alice Beardsley
12. 27 Barry and Kim Urman
13. 25 points Ina O'Kane
13. 25 Michael J. Greene
14. 15 Janet Burnham
14. 15 points Helen Hughs
14. 15 Don McGrew
15. 10 Bertie Lou Hazel
16. 5 points Frank Nudge

@ @ @ @ @ @ @

Member Spotlight; by Karen Roholt

Neal Landrum, a retired high school math teacher, joined Gates in 2005 to develop his knowledge of cacti. His favorites are Ferocactus latispinus and mammillaria dioica.

Member Spotlight contd.

Barry and Kimberly Urman joined Gates in 1988 to lend their support to the club and to learn more about cactus. Barry is an ambulance driver for the V.A. Hospital in Loma Linda. He is a past-President, a past-Treasurer and currently the Librarian for our club. He is a member of the Cactus and Succulent Society of America (CSSA) and the American Kennel Club [Black Labs]. Barry likes *Leuchtenbergia principis*, golden barrels, and red-spined *Ferocactus*. Kimberly is a clerk/cashier at the campus store at Loma Linda University. She is a member of CSSA, the American Genealogy Society, and various craft clubs. Her favorite plants are gymnos, *Ferocactus*, agaves, and aloes. At the meetings you will find Kimberly at the table selling raffle tickets and encouraging us to "sign in".

CACTUS AND SUCCULENTS OF THE MONTH FOR 2007 Changes possible.

FEBRUARY ECHINOPSIS, includes
Trichocereus and Lobivia
CRASSULA, COTYLEDON, TYLECODON

MARCH PILOCEREUS CEPHALOCEREUS,
CLEISTOCACTUS AEONIUMS

APRIL HAWORTHIA GASTERIA
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 SHOW / NO MEETING

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

SEPTEMBER AGAVES and RELATIVES
ASTROPHYTUM and GYMNOCALYCIUM

OCTOBER EUPHORBIA OPUNTIA

FEBRUARY BIRTHDAYS

Our Best Wishes to holders of these February Birthdays.

- 2/06 Terry Ann Menees (59)
- 2/07 Tom Brooks (81)
- 2/12 Joyce Rasske (74)
- 2/14 ClaraJones (63)
- 2/19 John O'Kane (44)
- 2/20 Christina Anderson (51)
- 2/21 Blanca Wilkey (??)
- 2/24 Ann Platzner (75)



Last year we had two 84 year old member Bds (they just don't come anymore); this year we have Tom. We salute Tom Brooks his 81st BD.

Again, look at all the seniors still attending, how wonderful! And Happy Birthday!



FEBRUARY ANNIVERSARIES

Congratulations to the Colemans on their Very Special Day.

- 2/22 Jill & Brooks Coleman (27)



DUES ARE DUE

Yes, It Is 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 can then e-mail the info to the membership. Also, of us simply do not have enough time to search the internet, and alas, there is so much useable info to be found there. And 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.

OTHER TABLES

Plant Sales, Discussion, and Refreshments Tables will be reopened for the January 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.

We will need to circulate a list so that you can sign up to be a Hostess/Host for one month this year. If you didn't take a turn last year, why not give it a try this year. You only get to do this every three or four years!

**MINI-SHOW RESULTS FOR JANUARY 07
SUCCULENTS, ALOE**

Danielle Milligen and Dennis Kucera judging

NOVICE small, 6" pot or less
2nd Mike Green. A. "Dorian Black" X
A. meyeri
3rd Mike Green A. cv. "Spikey"
H.M. Betty Ann Kent Aloe species
H.M. Betty Ann Kent Aloe species

NOVICE LARGE, over 6" pot
1st Karl D. Osborn Aloe jucunda
2nd Mike Green Aloe nubigena
3rd Don, Mary Mc Grew Aloe variegata

INTERMEDIATE small, 6" pot or less
3rd Dan Griffith Aloe petricola

INTERMEDIATE LARGE, over 6" pot
2nd Dan Griffith Aloe species
2nd Chris, Karen Roholt Aloe sinkatana

ADVANCED small, 6" pot or less
1st Joella Olson Aloe millottii
2nd Buck, Yvonne Hemenway A. aristata
2nd Buck and Yvonne A. jacunda x sinkatana
2nd Bob Laughlin Aloe harlana
2nd Dennis Kucera Aloe cv. "Jaws"
2nd Bob Laughlin Aloe wickensii
2nd Dennis Kucera Aloe andongensis
2nd Joella Olsen Aloe somaliensis
3rd Bob Laughlin Aloe variegata
3rd Joella Olsen Aloe haworthioides

ADVANCED LARGE, over 6" pot
1st Judy Horne Aloe species
2nd Bob Laughlin Aloe jucunda
2nd Judy Horne Aloe andongensis
2nd Dennis Kucera Aloe sinkatana
3rd Joella Olsen Aloe juvena

@ @ @ @ @ @ @

MINI-SHOW RESULTS FOR JANUARY 07 CACTUS MAMMILLARIA

Francisco Perez and Dennis Kucera judging

NOVICE small, 6" pot or less
 1st Monica Durac M. gemnispina
 2nd Neal Landrum M. hahniana
 3rd Don, Mary Alice Mcgrew M. spinosissima

3rd Don, Alice McGrew M. wildii
 3rd Nancy Hotaling M. microthele
 3rd Betty Ann Kent Mammillaria species
 H.M. Neal Landrum M. karwinskiana collinsii
 H.M. Don, Mary Alice Mcgrew M. spinosissima
 H.M. Karl D. Osborn M. longimamma
 H.M. Mike Green M. veburnensis

ADVANCED LARGE, over 5" pot
 1st Monica Durac M. compressa
 2nd Karl D. Osborn M. bombycina
 2nd Monica Durac M. hahiana
 2nd Kathy Rose M. elongata
 2nd Danhane M. parkensonii
 3rd Kathy Rose M. compressa
 3rd Mike Green M. longimamma
 3rd Nancy Hotaling M. pseudoperbella
 3rd Don, Mary Alice, McGrew M. species
 3rd Neal Landrum M. rhodantha
 H.M. Neal Landrum M. dioica
 H.M. Betty Ann Kent Mammillaria species
 H.M. Betty Ann Kent Mammillaria species

INTERMEDIATE LARGE, over 6" pot
 1st Alice Beardsley M. candida
 2nd Chris, Karen Roholt M. voburnesis

ADVANCED small, 6" pot or less
 1st Joella Olsen M. microthele
 2nd Buck and Yvonne M. grasclilis
 2nd Joella Olsen M. matudae
 2nd Bob Laughlin M. microthele
 3rd ?????????????? M. perezdelarosa
 3rd Joella Olsen M. gracilis
 H.M. Joella Olsen M. nejapensis

ADVANCED LARGE, over 6" pot
 1st Yvonne and Buck M. magnifica
 2nd Buck and Yvonne M. rodantha
 3rd Bob Laughlin M. candida v. ortiz rubiana

3rd Bob Laughlin M. hahniana
 H.M. Bob Laughlin M. carmenae

FEBRUARY 2007 CACTUS OF THE MONTH ECHINOPSIS includes Trichoceus, Lobivia

By Dennis Kucera

Botanists now have combined the 3 genera into one genus. This makes a large group of over 100 species of extremely variable in size. The peanut cactus *E. Chamaecereus*, syn. *Chamaecereus silvestrii* with ½ inch thick stems to the giant Fat Boy, *E. terscheckii*, syn. *Trichocereus terscheckii*, is a columnar cactus growing up to 39 feet with an 18 inch thick trunk. The plants in this expanded genus have many straight ribs with many spiny close set areoles lining the ribs with deep furrows between the ribs. These plants have relatively large trumpet shaped flowers in spring or summer. These plants are native mostly to Argentina, Bolivia and southern Brazil. Some of the more common species in gardens are listed below.

E. backebergii, syn. *Lobivia backebergii* is a clump forming cactus with 2 inch oval stems. In summer it may have red or violet 2 inch flowers. It comes from E. Bolivia.

E. candicans, syn. *Trichocereus candicans*, is a clump forming plant with cylindrical, light green stems to 2 feet tall and 6 inches thick. In summer it has large fragrant flowers at night. It comes from W. Argentina.

E. chamaecereus, syn. *Chamaecereus sylvestrii*, is the peanut cactus with white spines on short ½ inch thick stems. In summer it will produce orange to scarlet flowers 3 inches long.

E. Cinnabarina, syn *Lobivia, cinnabarina* is a single stem spherical cactus 6 inch thick. In Spring and summer it may have rich scarlet 1 ½ inch wide flowers. It comes from Bolivia.

E. Ferox, syn. *Lobivia ferox*, is a solitary plant with round, pale green stems to 12 inches thick.

White pink 4 inch flowers are produced in summer.

E. *hauscha*, syn *Trichosereus huascha* is a clumping, usually erect cactus to 3 feet high with 2 to 3 inch dark green stems with yellow areoles. In summer they have 4 inch golden yellow or red flowers. It is from Argentina.

E. *maximiliana*, syn. *Lobivia caespitosa* is a clump forming cactus with round or cylindrical, light green stems 3 inches thick. In summer they have 3 inch red flowers with orange yellow throats. This species comes from S. Peru and N. Bolivia.

E. *Oxygena*, syn. *E. multiplex*, os air favorite Easter Lilly Cactus. It is a clustering plant wllith round or cylindrical, mid green stems to 8 inches thick, offsetting at the sides. In summer it produces spectacular flowers with 8 inch stems up to 5 inches across. Usually pink or white. The Huntington Gardens has released many wonderful hybrids of this plant with vibrant colors pink, orange, yellow, red, magenta, purple and combinations of colors.

E. *pentlandii*, syn. *Lobivia pentlandii* is a clump forming cactus with round or oval green stems, 6 inches thick, In spring or summer it has yellow orange, pink, purple or red flowers, 3 inches long with white throats. It comes from S. Peru and N. Bolivia.

E. *Schickendantzii*, syn. *Trichocereus shaaferi*, is a shrub like cactus with cylindrical green stems 2 ½ inch thick stems to 12 inches tall. White flowers to 8 inches long develop in spring and summer. It comes from W. Argentina.

E. *spachiana*, syn. *Trichocereus spachianus*. is a large clump forming cactus . This species is not found native in S. America, but is common in California gardens, This plant is a hybrid of unknown origin that grows easily in our gardens. It has cylindrical stems to 6 feet high with 10 to 15 ribs with numerous lines of yellowish areoles. It has large 8 inch fragrant white flowers at night in mid summer.

FEBRUARY 2007 SUCCULENTS OF THE MONTH CRASSULA COTYLEDON TYLECODON

By Dennis Kucera

The family **Crassulaceae** includes about 30 genera, 1,500 species of annual to mostly perennial succulent herbs and shrubs. They are widely distributed through-out the world especially in temperate regions. They are *Adromischus*, *Aeonium*, *Cotyledon*, *Crassula*, *Dudleya*, *Echeveria*, *Graptopetalum*, *Kalanchoe*, *Monanthes*, *Pachyphytum*, *Rochea*. Some of the better known genera in this family *Sedum* *Sempervivum*, *Tacitus* and *Tylecodon*

The genus **Crassula** includes over 300 species of succulent, mostly perennial herbs native mostly to Africa especially South Africa. The leaves are opposite each other being united around the stem. They have no leaf stems. The flowers are usually 5 parted, white to red or yellowish, in large clusters of small flowers. Some of the more commonly grown species are;

C. *arborescens* known as the silver jade plant or silver dollar. This glabrous shrub can grow to 10 feet The leaves are up to 3 inches long and are gray with red margins, conspicuously dotted. It is native to S. Africa.

C. *ovata*, originally *C. argentea*, is the jade tree or jade plant. It has glossy elliptical medium green leaves to 1½ inch leaves with red margins. The flower clusters are white or pink and freely flower outdoors in So. California. Cultivars called *Pacifica tricolor*. Cv. *Gollum* and *variegata* are listed.

C. *falcata* is called the airplane plant, sickle plant and scarlet paintbrush It is shrub up to 2 ½ feet high with sickle shape 3 inch long silver gray leaves. The inflorescence is a dense cyme of numerous bright red flowers.

C. muscosa, syn. lycopodioides, is called the moss crassula, rattail crassula, toy cypress and watch chain. The numerous upright stems to 2 feet have a woody base. The stem has 4 rows of light green scale like leaves.

C. multicava is freely open branching perennial succulent with gray green oval leaves 1 to 3 inches long. It produces star shaped light pink flowers in an open clusters.

C. perforata is called the string of buttons, and grows into a small shrub to 2 feet. The opposite leaves are united surrounding the stem.

C. tetagona, called the miniature pine tree and turnstile plant forms a glabrous shrub to 2 feet. Awl shaped leaf pairs alternate in direction.

C. rupestris is called the bead vine, necklace vine and rosary plant. It has roundish leaves about ½ inch diameter on long pendulous stems. The **genus Cotyledon** has 11 known species of compact often clump forming, perennial succulents. They are native to the deserts of E. Africa, southern Africa up to N. E. Africa.

C. ladismithensis is a many branched small shrub with 2 inch long green leaves with 2 to 4 soft teeth. In fall it has clusters of brownish red tubular flowers ½ inch long.

C. orbiculata v. oblonga syn. C. undulata, is a small shrub of many branches with large wedged shaped leaves. The cultivar 'silver queen' has silver leaves with a wavy apex. It is native to the Cape province of S. Africa. The more common **C. orbiculata** is a shrubby erect freely branching succulent with thick fleshy branches. It has spade shaped white or gray leaves are 5 inches long. It has open clusters of tubular red flowers on stems up to 2 feet long.

Tylecodon is a genus of 46 known species. The different species vary in size ranging from dwarf single leaf succulents to large thick stemmed plants like T. paniculatus. This plant forms large shrubs to 8 feet high. Tylecodons grow succulent leaves during the cool winter rainfall periods.

During the dry hot summer months the leaves dry and fall. Therefor they are drought deciduous. Do not water them in summer. Good species to grow are:

T. cacaloides a succulent subshrub producing clusters of yellow flowers.

T. grandliflorus with bright red flowers.

T. paniculatus is a thick stemmed, branching succulent to 8 feet and peeling yellow bark.

T. pearsonii is a dwarf , branched succulent with very thick stems and 3 inch linear leaves.

T. reticulatus grows a very thick trunk and stems with peeling yellow bark up to 12 inches high.

T. wallichii is a low sparcely branched shrub to 20 inches high with gray linear leaves.

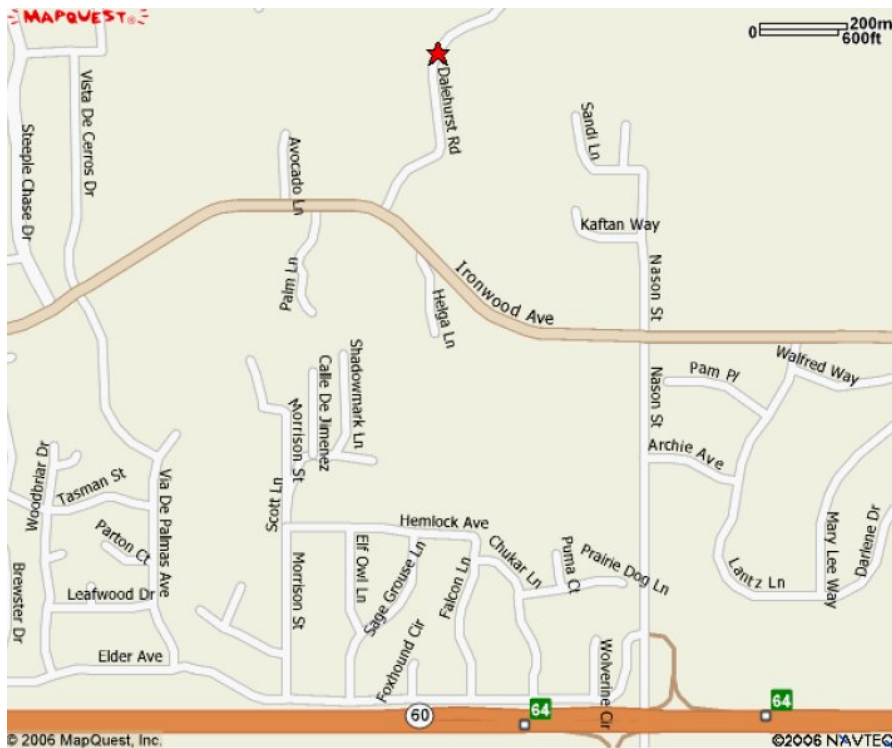
@@@@@@@

Landscape Design Study Program, February 21 & 22, 2007

Learn about this fascinating topic in a certificated program taught by Landscape Design professionals. See Buck or call 951.360.8802.

Gates Cactus & Succulent Society Home Garden Tour

Saturday, February 24, 2007



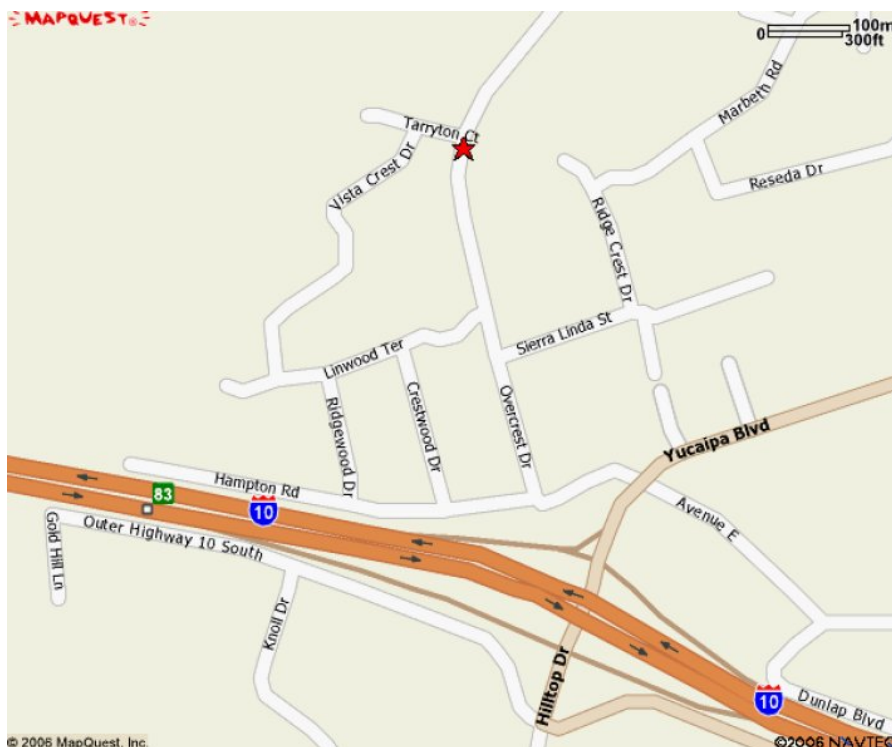
DENNIS KUCERA
11681 Dalehurst Rd.
Moreno Valley, CA 92555

(951) 485-1816

Arrival 9:30 AM

Directions:

Driving on Highway 60 in Moreno Valley, exit at Nason Rd. Turn north to Ironwood Ave and turn left. The first road on the right side is Dalehurst, turn right and follow to 11681.



JERRY and JUDY HORNE'S
12212 Overcrest Dr.
Yucaipa, CA 92399

Arrival 12:00 noon

Directions:

Driving east or west on I-10 east of Redlands, exit at Yucaipa Blvd. Turn north and immediately turn left on Avenue E. Mobil gas and Chevron on the right and left side. Go to Overcrest, turn right to 12212.