

# CACTUS COURIER

*Newsletter of the Palomar Cactus and Succulent Society*

Volume 60, Number 4

April 2014

The Meeting is the 4th Saturday

**APRIL 26, 2014**

**Park Avenue Community Center**

210 Park Ave  
Escondido, CA 92025

**NOON!!**



Erik Gronborg under a chain fruit cholla



## ***“Prickly Pears: Botany & History”***

•• Erik Gronborg ••

For most people who are not part of our cactus-loving group, the prickly pear most likely is the only cactus they know.

The *Cactaceae* family of plants has been divided into 3 sub families, the *Pereskias* with about 20 species

in a single genus, the *Opuntias* with 15 genera and about 250 species, and all the rest in 100 genera and 1000 species. Until recently various sources had listed the genus *Opuntia* as having anywhere from 250 to 900 species, with all the cacti sharing certain characteristics such as glochids and random growth of joints included

in one big happy family. A recent article in the San Diego Natural History Museum publication by Jon Rebman clarifies the latest status. The former genus *Opuntia* has been divided into 5 genera for the North American plants: *Opuntia*, with flat pads, *Cylindropuntia* (the Chollas), *Grusonia* (the low growing club-chollas), and *Nopalea* and *Consolea*, found only in Florida. In addition there are a number of South American genera, among them *Maihuenia*, *Austrocylindropuntia* and *Tephrocactus*.



In this presentation **Erik Gronborg** will show some of the large commonly grown and attractive species in the newly established genus *Opuntia*, with its 200 species ranging from Canada to the southern parts of South America, the widest distribution of any cactus genus.



The prickly pear, the popular name for *Opuntias*, was an important part of life for the indigenous people in America, and if you go to a Mexican market today you will find a number of edible products coming from the prickly pear. The *Opuntia* is even in the national seal of Mexico. The European settlers also loved it, so much that they spread it all over the world. The program will present some of the interesting history of the human contact with the prickly pear.

You may get to love the prickly pear.

.....

**Erik and Irina Gronborg** have been members of the Palomar Cactus and Succulent Society for more than 30 years. They are both artists of amazing talent, and have taught art in several colleges and universities. Over nearly 40 years, they have created a garden which includes a substantial number of cacti and succulents. Many tour groups have visited the garden, and articles about it have been in a number of magazines.



## **BOARD MEETING • PLANT SALES • BRAG PLANTS • EXCHANGE TABLE**



### **REFRESHMENTS**

**That elusive Refreshment Sheet has escaped – again!! It has apparently found a new “safe place” to hide!**

**(If anyone knows where, please contact Your Friendly Editor ;-)**

***Please plan to bring something to share – it really does make the day more social and fun!***

## PRESIDENT'S MESSAGE •• APRIL 2014

Our Spring Plant Sale and Show went well – I received many votes of approval for this new concept we had. I want to thank Brita Miller for all her hard work to make this happen. She is the brain behind this new concept, planning, setup, and show. We will do this again next year, so start getting your plants ready, take your cuttings, sow those seeds. I want to thank Annie and all the rest of the volunteers for a great job, kudos to you all.

I will be missing the next couple of meetings due to event scheduling conflicts. I will not see you again until the July meeting. During this period of time two important events will happen, Attila Kapitany will be our guest speaker in May and will do a talk on the “Future of Succulents” for us and “Australian Succulents” for San Diego CSS. I recommend that you see both presentations, he is a very fun and entertaining speaker. I have seen him at the last two CSSA conventions. Fantastic!!!!

In July on Saturday the 19th there is the Palomar Water Wise event at Palomar College. We will need volunteers to man an information table – more details will be forth coming, as they are made available to me. There will be many displays that celebrate and demonstrate low-water plants.

This year, if you want to attend the CSSA (Cactus and Succulent Society of America) Show and Sale you will need to pick up a pass or you will have to pay entrance fees to the Huntington. If you have a name badge you will need to wear that as well. To pick up a pass, see Annie Morgan, we are given 25 passes, if we need more we will need to know soon so that we have time to order and pass them out.

If anyone needs to contact me email [hciservices@gmail.com](mailto:hciservices@gmail.com)

Peter Walkowiak, President



## Palomar Cactus & Succulent Society

P.O. Box 840, Escondido, CA 92033  
*Membership Application*

I/We wish to join/renew membership in the  
**Palomar Cactus & Succulent Society**

**Single Membership, mailed newsletter - \$25**  
**Single Membership, emailed newsletter - \$20**

**Dual Membership, (one address) mailed newsletter - \$30**  
**Dual Membership, (one address) emailed newsletter - \$25**

**(Half price after June 30th)**

There is a **\$5 discount** on the fees if you choose to receive your newsletter by email-only. Save money, leave a small carbon footprint, and reduce Eleanore's workload!

Please **print!** We have to be able to read it!

Email \_\_\_\_\_

Name \_\_\_\_\_ Phone\_\_ Address \_\_\_\_\_

\_\_\_\_\_ City\_

\_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Make checks payable to:  
**“Palomar Cactus & Succulent Society”**  
P.O. Box 840, Escondido, CA 92033



## 2014 MEETING SCHEDULE

**26 April** Park Ave. Community Center

**17 May** Park Ave. Community Center

**NOTE !!! 3rd Saturday !!**

**28 June** Park Ave. Community Center

**26 July** Park Ave. Community Center

**23 August** Picnic & Auction SD Botanic Gdn

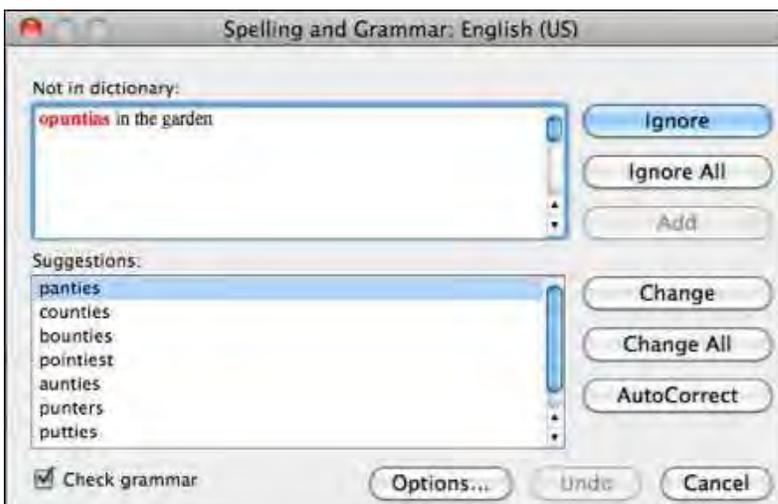
**27 September** Park Ave. Community Center

**25, 26 October** San Diego Botanic Garden

**22 November** Park Ave. Community Center

**20 December** Park Ave. Community Center

**NOTE !!! 3rd Saturday !**



**Officers • Palomar Cactus & Succulent Society**

**Peter Walkowiak – President & Program Chair & Show Chair**

**Brita Miller – Vice-President & Librarian**

**Annie Morgan – Treasurer**

***Your Name Here!! – Secretary***

**Don Nelson – Board Member**

**Francis Granger – Board Member & Exchange Table**

**Leon LaFreniere – Board Member**

**Fran Komarek – Board Member**

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**Dick Henderson – Garden Representative**

**Vicki Martin – Assistant Librarian**

**Tina Zucker – Show & Sale Vendor Coordinator**

**Bruce Barry – Refreshments & Exchange table**

**Dennis Miller – Raffle & Plant Sales & Membership Co-Chair**

***We need an Assistant for the Plant Sales***

**Eleanore Hewitt – Newsletter & Membership Co-Chair**



**Huntington Botanical Gardens  
40th Annual Spring Plant Sale**

**April 25-April 27, 2014**

Members:

**April 25, 26 & 27 (Friday– Sunday) 10:30 a.m.–4:30 p.m.**

Public:

**April 27 (Sunday) 1–4:30 p.m.**

Whether your tastes run to dry-climate succulents or heirloom vegetables, you'll find a great selection of all the new arrivals and old favorites that have made the Spring Plant Sale an annual rite for Southern California gardeners. Among the highlights to look for this year are a wide selection drought-tolerant Southwestern and California natives, vintage roses that have been custom propagated from The Huntington's own rose collections; unusual cacti and succulents, an abundant assortment of herbs for the kitchen garden, plus tropicals, trees, vines, groundcovers, and much more. The sale will be held in the Botanical nursery area. For convenient shopping, bring a wagon or cart to carry your purchases. *Not a Member yet? New Members may join at the sale entrance. The public is invited to shop on Sunday afternoon from 1 to 4 30 p.m.*

We still need a **Secretary** to take the minutes.  
It is a part-time job! Really.  
And a sit-down one as well!



•• 2014 ••  
**Southern California Events**

**April 25-27**

Huntington Botanical Gardens 40th Annual Spring Plant Sale, Fri & Sat Preview Sale-Members Only 10:30am-4:30pm, Sunday Members 10:30am-4:30pm, Sunday Afternoon Open to the Public 1pm-4:30pm, 1151 Oxford Rd., San Marino; info: 626-405-2160, [www.huntington.org](http://www.huntington.org)

**May 3 & 4**

Sunset C&SS Show and Sale, Veterans Memorial Center, Garden Room, 4117 Overland Ave, Culver City; Info: 310-822-1783, [www.sunsetsucculentsociety.org](http://www.sunsetsucculentsociety.org)

**May 4**

South Bay Epiphyllum Society Show and Sale, 9am-4pm, South Coast Botanical Gardens; Info: 310-833-6823

**May 10 & 11**

San Diego Epiphyllum Society 44<sup>th</sup> Annual Mother's Day Show (Sunday only) & Sale (Sat. & Sun.), 9am-4pm, Balboa Park, [www.sandiegoepi.com](http://www.sandiegoepi.com)

**May 16 & 17**

Gates C&SS 33rd Show and Sale, Fri & Sat 9am-4:30pm, Landscapes Southern California Style, 450 Alessandro Blvd., Riverside; info: 951-360-8802.

**May 17 & 18**

Long Beach C&SS Plant Show and Sale, Sat & Sun 10am-5pm, Rancho Los Alamitos, 6400 Bixby Hill Rd., Long Beach; Info: 310-922-6090, [www.lbcss.org](http://www.lbcss.org)

**May 24 & 25**

Central Coast C&SS Annual Summer Show & Sale, 10am-4pm, Ludwick Center, 864 Santa Rosa, San Luis Obispo CA; info: 805-237-2054, [www.centralcoastcactus.org](http://www.centralcoastcactus.org)

**June 7 & 8**

San Diego C&SS, Summer Show & Sale, Balboa Park, Room 101, San Diego, CA; info: 858-382-1797, [www.sdcss.net](http://www.sdcss.net)

**June 28 & 29**

San Diego Bromeliad Society Show & Sale, Balboa Park, [www.bsi.org/webpages/san\\_diego.html](http://www.bsi.org/webpages/san_diego.html)



Georgia O'Keefe

**THE GLOBAL GARDEN**  
– Jeff Spurrier



(photo by Ann Summa)

**Little attention – lots of color**

**Santa Rita prickly pear**

– a summer splash of purple in the garden

Prickly pear cactuses are so common in Southern California that they blend into the background, even now when the fruit, or tunas, are turning red-purple and dropping off.

For the Santa Rita variety (*Opuntia violaceae* var. *santa rita*), it's not about the fruit but rather the ornamental appeal. During stress from cold or drought, the palm-sized paddles turn a brilliant red-purple, adding a bright splash of color to the monotonous of a dry garden.

This is an accent plant that requires almost no care, especially if you want the color. In spring, when a profusion of blooms arrive, it's merely icing on the cake.

"They produce a peach flower and then that becomes a marble yellow," said Roy Dowell. He and his partner, Lari Pittman, both artists, have Santa Ritas planted in a three-quarter-acre garden in the Verdugo Hills. "They get tunas but they're very small, not like the other *opuntias*. And the deer don't bother them, surprisingly."

Molly Thongthiraj of California Cactus Center says that's because of the small clusters of tiny barbed spines that can fly off the paddle with the slightest movement.

"The deer will try the young ones but then they grow back even more spiny," she said. "The spines are small but painful and hard to get out. They just fly all over your clothes, even your lungs. That's why we don't move them much."

She suggests wearing leather gloves and clothes that you don't mind discarding. Given that the spines are so fine and travel so easily in the air, you'll probably need to throw them away. Her advice: Wear an old painter's jumpsuit for maximum protection. (You can remove spines from skin by

applying an adhesive such as duct tape or Elmer's glue to the afflicted area.)

Once the Santa Ritas are in place, Thongthiraj said, forget about them. The only time to consider watering is during the hottest days of the summer, and even then, no more than weekly. Given water (or shade), these cactuses will stay green. To heighten the coloration, Thongthiraj positions plants close to a source of radiant heat, such as next to a wall.

Santa Rita prickly pears adapt to bad soils, even clay, but won't do well in a commercial cactus mix. The peat moss in most mixtures is too acidic. If planting from a recently cut paddle, let it harden off for two weeks before putting it in the ground. Add mycorrhizal fungi to aid root development, and water sparingly for the first month. Then do nothing.

The less water they get, the more purple they become. They're slow-growing compared with other *opuntias*, rarely getting higher than 6 feet. Sources include California Cactus Center and Worldwide Exotics.



PCSS member **Steve Toth** has a number of plants to share with the Club. He has a bunch of very tall potted plants, both cactus and succulents, that he would like to give away. You will probably need a pickup truck, and maybe a helper, too! Contact Eleanore for details.



Spring is the time of year that garden clubs throughout the southland plan visits to their members' gardens. There are a number of these Garden Walks over the next few weekends. I've looked at the pictures from the last couple of years, and they look like a lot of fun.

**April 27**

**12th Annual Seaside Native Plant Garden Tour  
– Oceanside**

Plant experts and locals lead this 1½-mile walking tour past 18 front-yard gardens in Oceanside's historic Seaside neighborhood.

Time: 2 p.m. Tour-goers meet at St. Mary's School parking lot, 515 Wisconsin Ave., Oceanside.

Tickets: Free; donation requested for map and plant list.

Info: [www.BVAudubon.org](http://www.BVAudubon.org) (Buena Vista Native Plant Club) or [www.OCNA.info](http://www.OCNA.info) (Oceanside Coastal Neighborhood Association), or call the Buena Vista Nature Center at (760) 439-2473.

Come see over 18 California Native Plant Gardens in the historic Seaside Neighborhood of Downtown Oceanside! Plant experts and neighborhood locals lead an informative 1.5 mile walking tour to see these wonderful front yard gardens. Meet at 2pm Sunday, April 27th at St. Mary's School parking lot at 515 Wisconsin Avenue. The guided walk is free. Donation requested for map and plant list. Local kids sell lemonade and cookies along the route. St. Mary's School is one block east of the 101 Cafe at Coast Highway and Wisconsin Ave. This annual event is sponsored by the Buena Vista Native Plant Club and the Oceanside Coastal Neighborhood Association. Go to [OCNA.info](http://OCNA.info) or call the Buena Vista Nature Center at 760-439-2473 for more information.

**May 2-4**

**17th Annual Alpine Sage & Songbirds Garden Tour**

Five owner-designed gardens debut on this tour by CHIRP for Garden Wildlife. Succulent and native landscapes, plus a sprawling edibles garden, are featured, along with a wildlife rehabilitation center.

Time: 10 a.m. to 4 p.m.

Tickets: \$20 (\$15 in advance, purchase by April 1); \$10 per person for groups of 10 or more.

Info: [www.chirp.org](http://www.chirp.org) or (619) 445-8352

**May 10**

**"Beyond the Gate"  
16th Annual Mission Hills Garden Walk**

This 2.5-mile walking tour stops at 10 gardens, large and small, that surround cottages and estates, some with spectacular views. Artists and musicians are in residence. Included is a Garden Festival at Mission Hills Nursery with vendors, wine tasting and more.

Time: 9 a.m. to 4 p.m. (rain or shine)

Tickets: \$25 in advance; \$30 on tour day. Free for children 12 and under.

THE 2ND ANNUAL SUCCULENT CELEBRATION  
AT WATERWISE BOTANICALS, JUNE 6-7

Info: [www.missionhillsgardenclub.org](http://www.missionhillsgardenclub.org)

**May 10**

**Fallbrook AAUW Country Garden Tour**

A half-dozen gardens in this North County community are open for visits. A marketplace and refreshments are at the tour start, historic Palomares House at 1815 Stage Coach Lane, Fallbrook.

Time: 10 a.m. to 4 p.m.

Tickets: \$20 in advance; \$25 on tour day

Info: [www.aauwfallbrookca.org](http://www.aauwfallbrookca.org)

**May 10 and 11**

**20th Anniversary Mother's Day Weekend Art, Garden and Studio Tour – Encinitas & Solana Beach**

Eight gardens in Encinitas and Solana Beach include artwork displays by artist-members of the San Diego Art Guild, tour sponsors. Among them is a seaside succulent display and rambling Mediterranean landscape.

Time: 10 a.m. to 4 p.m.

Tickets: \$20 (on sale April 7), children under 12 are free

Info: [www.offtrackgallery.com](http://www.offtrackgallery.com) or call (760) 942-3636

**May 14**

**16th Annual Bonita Valley Garden Club Tour & Plant Sale**

Six gardens on this South Bay tour showcase earth-friendly landscapes with water-wise plants, lawn replacement, gray-water irrigation, solar-powered lighting and recycled hardscape and accents.

Time: 10 a.m. to 3 p.m.

Tickets: \$15 in advance; \$20 on event day (for sale at Bonita/Sunnyside Library, 4375 Bonita Road, Bonita)

Info: Call Vera Mathias at (619) 479-0429



**THE 2ND ANNUAL SUCCULENT CELEBRATION AT WATERWISE BOTANICALS, JUNE 6-7**



[www.waterwisebotanicals.com](http://www.waterwisebotanicals.com)

32183 Old Hwy 395

Escondido, CA 92026

760-728-2641

For more information contact: **Mikayla Taylor**

[mikayla@waterwisebotanicals.com](mailto:mikayla@waterwisebotanicals.com)

North San Diego County's Waterwise Botanicals nursery will host the spectacular two-day event, Succulent Celebration, on Friday and Saturday, June 6 -7, 2014.

This one of a kind event in Southern California celebrates the versatility, sustainability, and beauty of succulents. Come to Waterwise Botanicals to enjoy a kaleidoscope of color, creation, and education on drought tolerant landscaping, and living art at its best.

Also featured is the exciting reinvention of Garden Design magazine and its creators.

The superior lineup of speakers includes best-selling author and photojournalist Debra Lee Baldwin; plant explorer and hybridizer Kelly Griffin of Altman Plants; Peter Loyola of Oceanside's Succulent Café; Robyn Stockwell, owner of Succulent Gardens in Northern California, and Tom Jesch of Waterwise Botanicals.

All are invited to experience "the best garden event of the year" with acres of nursery and display gardens to explore, hands-on workshops, a grand assortment of succulents and low-water plants for sale, the chance to speak with industry experts, arts and crafts vendors with succulent-themed gifts, food trucks and more.

Hours 9:00am to 5:00pm both days. Free parking and admission. Event details can be seen at:

[www.succulentcelebration.com](http://www.succulentcelebration.com)

Waterwise Botanicals, established in 2010, is a 20+ acre wholesale/retail nursery located in the rolling hills of Escondido, in North County San Diego. Just off Interstate-15 northwest of the highway at 32183 Old Hwy 395 Escondido, CA 92026

## •• 2014 Spring Member Event ••



### What a great start!

We had about 20 show exhibitors!

We had twice as many plants for sale as expected! And sold most of them!  
The workshops were very educational and well attended!

Some of the comments were:

*"How nice it was have some real time to talk with the other members"*

*"I learned some great tips at the workshops"*

*"The Show had some plants that I hadn't seen shown before - I can do this!"*

We want to thank all the great volunteers. You are the backbone of an event like this. Thanks go out to:

**Our Experts**, who presented workshops, judge the Show, brought some beautiful show plants to inspire us and were there to patiently answer all of our questions. *Phyllis Flechsig, Peter Walkowiak, Deb Batey, Andrew Wilson, Dick Henderson, Jean O'Daniel, Mitch Bahr, Stan Yalof*

**Sales Table**: *Dennis Miller, Susan LaFreniere, Julie Kort, Annie Morgan (treasurer), Inacia Mathens*

Show area: *Patti Nelson, Lorie Johanson*

**Set-up, take-down and everything else in between**: *Jean & Bill O'Daniel, Carol Carrillo, Fran Kormack, Mike Nelson, Don Nelson, Francis Granger, Beverly Ficuciello, Vicki Broughton, and Gloria Medina, Bruce Barry and everyone else who chipped in as needed.*

### An Extra Thanks goes to those who did double duty!

This is just a start. With sights on next year's event (and other activities throughout the year), your input, ideas, suggestions and comments will make this event even better next time. We want to make sure we hear from everyone, especially new members.

Now that you have gotten your feet wet, so to speak, bring in your plants for the monthly Brag Table. FYI – for those of you who don't know, you can bring some of your plants to sell at the monthly meetings. Show them off and earn some points to boot. We use the two-tag system and percentage as we did last month.

– Brita Miller



**• • Winning Plants at the Spring Member Event • •**



**Novice Leaf Succulent**

- |                                  |   |
|----------------------------------|---|
| 1 <sup>st</sup> Vicki Martin     | <i>Crassula perforata</i>               |
| 1 <sup>st</sup> Lori Johansen    | <i>Senecio haworthii</i>                |
| 1 <sup>st</sup> Leon Lafreniere  | <i>Dudleya brittonii</i>                |
| 1 <sup>st</sup> Lori Johansen    | <i>Aeonium arboreum</i>                 |
| 1 <sup>st</sup> Robert Kopfstein | <i>Sansevieria kirkii</i>               |
| 2 <sup>nd</sup> Vicki Martin     | <i>Aloe</i>                             |
| 2 <sup>nd</sup> Leon Lafreniere  | <i>Aeonium sedifolium</i>               |
| 2 <sup>nd</sup> Julie Kort       | <i>Gasteria bicolor var. liliputana</i> |
| 2 <sup>nd</sup> Bill Diangelo    | <i>Agave</i>                            |
| 2 <sup>nd</sup> Bill Diangelo    | <i>Agave</i>                            |

**Novice Stem Succulent**

- |                                  |                                |
|----------------------------------|--------------------------------|
| 1 <sup>st</sup> Leon Lafreniere  | <i>Euphorbia bupleurifolia</i> |
| 1 <sup>st</sup> Leon Lafreniere  | <i>Euphorbia Crest</i>         |
| 2 <sup>nd</sup> Robert Kopfstein | <i>Pelargonium</i>             |

**Novice Root Succulent**

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1 <sup>st</sup> Lorie Johansen  | <i>Veltheimia bracteata</i>    |
| 2 <sup>nd</sup> Inacia Merthens | <i>Senicio Tropaeolifolius</i> |

**Novice North American Cactus**

- |                                  |                                     |
|----------------------------------|-------------------------------------|
| 1 <sup>st</sup> Robert Kopfstein | <i>E. of Ciudad Victoria Mexico</i> |
| 2 <sup>nd</sup> Bill Diangelo    | <i>Trichocereus</i>                 |
| 2 <sup>nd</sup> Leon Lafreniere  | <i>Cephalocereus senilis</i>        |
| 2 <sup>nd</sup> Leon Lafreniere  | <i>Thelocactus texensis</i>         |

**Novice South American Cactus**

- |                                  |                              |
|----------------------------------|------------------------------|
| 1 <sup>st</sup> Bill Diangelo    | <i>Cephalocereus senilis</i> |
| 2 <sup>nd</sup> Robert Kopfstein | <i>Rhipsalis</i>             |

**Novice Dish Garden**

- 2<sup>nd</sup> Sandy ??  
2<sup>nd</sup> Sandy ??



**Intermediate Leaf Succulent**

- |                               |                             |
|-------------------------------|-----------------------------|
| 1 <sup>st</sup> Jean O'Daniel | <i>Sanseveiria fischeri</i> |
| 1 <sup>st</sup> John Barkley  | <i>Crassula sp.</i>         |
| 2 <sup>nd</sup> Annie Morgan  | <i>Gasteria Hybrid</i>      |
| 2 <sup>nd</sup> Annie Morgan  | <i>Aeonium cabernet</i>     |

**Intermediate Stem Succulent**

- |                               |                                |
|-------------------------------|--------------------------------|
| 1 <sup>st</sup> John Barkley  | <i>Pelargonium cotyledonis</i> |
| 2 <sup>nd</sup> Jean O'Daniel | <i>Euphorbia francoisii</i>    |

**Intermediate South American Cactus**

- |                              |                              |
|------------------------------|------------------------------|
| 2 <sup>nd</sup> John Barkley | <i>Sulcorebilia arenacea</i> |
| 2 <sup>nd</sup> John Barkley | <i>Oroya peruviana</i>       |

**Intermediate Dish Garden**

- |                              |                   |
|------------------------------|-------------------|
| 1 <sup>st</sup> John Barkley | <i>Pleispilos</i> |
| 2 <sup>nd</sup> John Barkley | <i>Echevaria</i>  |
| 2 <sup>nd</sup> John Barkley | <i>Aloe</i>       |



**Advanced Leaf Succulent**

- |                                  |                 |
|----------------------------------|-----------------|
| 1 <sup>st</sup> Phyllis Flecksig | Vertical Garden |
| 2 <sup>nd</sup> Stan Yalof       | <i>Agave</i>    |

**Advanced Stem Succulent**

- |                                |                        |
|--------------------------------|------------------------|
| 1 <sup>st</sup> Dick Henderson | <i>Euphorbia obesa</i> |
|--------------------------------|------------------------|

**Advanced North American Cactus**

- |                                |                           |
|--------------------------------|---------------------------|
| 1 <sup>st</sup> Dick Henderson | <i>Ariocarpus retusus</i> |
|--------------------------------|---------------------------|

**Advanced South American Cactus**

- |                            |                                 |
|----------------------------|---------------------------------|
| 1 <sup>st</sup> Stan Yalof | <i>Pilosocereus pachycladus</i> |
|----------------------------|---------------------------------|

