

CACTUS COURIER

Newsletter of the Palomar Cactus and Succulent Society
The North San Diego County Cactus and Succulent Society

Volume 64, Number 6

June 2016

NEXT MEETING

Saturday, June 25th

**Park Ave. Community Center
210 Park Ave., Escondido**

Brag plants, Exchange Table, Benefit Drawing

11:30am - 3:00pm

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REFRESHMENTS

- 1 – Nell McChesney
- 2 – Christine Hays
- 3 – Jean O’Daniel
- 4 – Deborah Pearson
- 5 – Gloria Medina
- 6 – Julie Slater
- 7 – Lyn Renouard
- 8 – Ruta Caldwell
- 9 – YOU!!!

Click here to visit our webpage:

www.palomarcactus.org

We’re on Facebook!

This Month’s Presentation:

From the Window Sill to the Poor House to the Trophy Table: Building and Maintaining a Cactus and Succulent Garden

By Gunnar Eisel

Gunnar Eisel's interest in cacti and succulents can be traced back to his childhood infatuation with photographing night-blooming cereus flowers and a few unfortunate encounters with opuntia glochids. His interest in cacti became intensified through many annual trips to the Anza-Borrego desert.

Born and raised near Heidelberg, Germany, Eisel has taught music at CSULA, CSUF, Whittier College and Fullerton College. He is currently a full-time music theory and history of music professor at Citrus College in Glendora where his students are occasionally subjected to his rantings regarding cacti and succulents

An avid C&S collector, he serves as General Manager of the Cactus and Succulent Society of America (CSSA) and as the President of the San Gabriel Valley Cactus and Succulent Society.



Topics covered will be:

- ~ Why People Collect
- ~ Types of Collections
- ~ Tips on How to Add to and Maintain a Collection
- ~ A Survey of Some Local Collections
- ~ Right-Sizing a Collection
- ~ Over-Wintering and Management
- ~ Record keeping
- ~ Pests

HOW IS YOUR COLLECTION GROWING?



BOARD BRIEFS – By Brita Miller and Annie Morgan

THANK YOU RON! – We first want to thank Ron Chisum for his excellent presentation on Agaves. It was chocked full of great photos and information for the novice or experienced Agave grower. Hopefully we will now all make sure to know the mature size before planting, and how to stay safe when working with them. There sure is a lot of information to learn about just one genus of plants!

HELP WANTED! - Thank you so much for those of you who have volunteered to help so far!

- May Fong Ho will now be updating the monthly speaker information on the website,
- Nell McChesney will be purchasing the Name Tag Drawing plants, and
- Lorie Johansen has offered to help with the August Picnic. More help is still needed for this event!

CLUB LIASONS – Do you belong to other garden clubs? Would you be willing to take flyers, bookmarks, etc. to your other clubs to share information about us and our special events, i.e. October Show/Sale, March Festival?

Brita keeps a list of those who can help out with this so please talk with her by phone, email, or at a meeting so she can add you to her list. She will then give you the materials at the appropriate times.

PLANT OF THE MONTH - HAWORTHIAS

HAWORTHIAS are small dainty succulent plants from 1.2" to 12" in diameter. They come from Southern Africa and the first written references go back as far as the early 1600s when European colonists were discovering the botanical riches of the area. Early explorers took them back to Europe and they have probably been in cultivation for over 400 years.

There are more than 70 species of these almost always small and very slow growing plants. They are generally grown for their great diversity in decorative leaf markings, form, shape and color, and make an easy care collection. In addition they are excellent as gifts suiting either a home or office environment.

Most Haworthias form rosettes and are usually stemless, but in some species stems reach up to 20 in. The inflorescences of may exceed 16 in. in height and their flowers are small, white and very similar between species. The plants can grow solitary or can be clump-forming. Most have firm, tough, fleshy leaves, usually dark green in color, whereas others are softer and contain leaf windows with translucent panels through which sunlight can reach internal photosynthetic tissues.

In cultivation they are an excellent choice for small space collection, inside or out, and tolerate partial to full shade, but should have neither direct hot sunlight nor deep shade. They will get by with watering just once a month, however to get the plant thriving it should to be done at least every 1-2 weeks depending on your climate, and the soil should be allowed to dry between watering's.

Although it is possible to kill a Haworthia, they are generally forgiving of the occasional lapses of ideal care.

(Photos courtesy of Cok Grootsholten of the Netherlands, <http://members.fotki.com/Grootsholten/about/>)



**Haworthia cooperi
var. truncat**



**Haworthia arachnoidea
Meiringpoort**



Haworthia minima



Haworthia truncata



Haworthia bayeri



Brag Plant Winners

NOVICE CACTUS

- 1st Nell McChesney Echinopsis cristata caterpillar
 1st Chet Reed Rebutia spinosissima
 2nd Christine Hays Opuntia
 3rd David Buffington Notocactus scopa ssp. scopa

INTERMEDIATE CACTUS

- 1st Jeannie Zonana Opuntia engelmannii var. broskowitzii
 2nd Victor Zonana Disocactus flagelliformis
 3rd Jerry Kahn Opuntia

NOVICE SUCCULENT

- 1st Harold Dunn Euphorbia polygona snowflake
 1st Chet Reed Fockea edulis
 3rd Bill Diangelo Crassula

INTERMEDIATE SUCCULENT

- 1st Leon LaFreniere Dudleya britonii
 2nd Jerry Kahn Ledbouria socialis
 3rd Jeannie Zonana Kalanchoe orgyilis

ADVANCED SUCCULENT

- 1st Robert Kopfstein Ledebouria
 1st Phyllis Flechsig Ficus palmeri
 2nd Robert Kopfstein Ledebouria
 3rd Robert Kopfstein Ledebouria pauciflora

NOVICE - PLANT OF THE MONTH

- 1st Nell McChesney Agave lophantha 'Quadricolor'
 2nd Nell McChesney Agave 'Blue Glow'
 3rd Bill Diangelo Agave franzosinii

INTERMEDIATE - PLANT OF THE MONTH

- 1st Victor Zonana Agave potatorum
 2nd Maddy Beasley Agave sisalana variegata

ADVANCED - PLANT OF THE MONTH

- 1st Robert Kopfstein Agave victoriae-reginae albomarginata
 2nd Robert Kopfstein Agave bracteata variegata



Rebutia spinosissima



Euphorbia polygona snowflake



Opuntia engelmannii var. broskowitzii



Echinopsis cristata caterpillar



Disocactus flagelliformis



Ledbouria socialis



Ficus palmeri



Agave sisalana variegata



Opuntia



Agave victoriae-reginae albomarginata



Notocactus Scopa ssp. scopa



Dudleya britonii

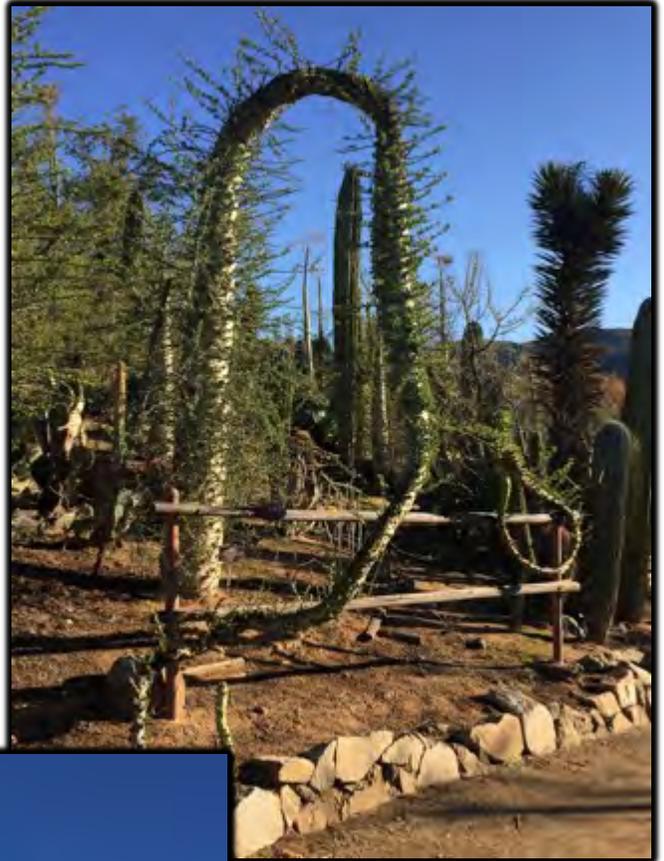
News From the Safari Park Gardens - by Susan LaFreniere

We are looking for more volunteers. Choose the work you want to do: plant, weed, water, propagate, work in the greenhouse, write educational material, write newsletter articles, or work on the Accession Project. New things always pop up.

The process to become a Safari Park volunteer has been simplified if all you want to do is garden. Notify us and we will send the Volunteer Office an email saying you want to join. Then apply on-line at this link, <http://zoo.sandiegozoo.org/content/volunteer/>. Next take the orientation presentation. These are offered twice a month at both the zoo and the park. They are less than 4 hours long. You do not have to take the scavenger hunts unless you want to do more than garden. 60 hours per year minimum is requested to maintain your volunteer status. You can even get in to work the gardens before completing these requirements if you contact us.

Among the several benefits: volunteers can visit both the zoo and the park free all year, they receive a discount for purchases in shops and restaurants, they earn free guest passes - one for each 25 hours worked.

Look here (<http://zoonooz.sandiegozoo.org/category/plants/>) in June for the On-line Zoonooz article on the garden; it's filled with beautiful photos of the Baja Garden. A few new plants were put into the Old World Garden during the past month. Instead our focus has been on getting rid of many kinds of weeds. The chamomile is still waiting for us. We have had a bit of disappointment as some of the deer that wander into the park have found our new plants delectable; Tylecodon and Glottiphyllum look nibbled.



Come join us.
Plant donations
are welcomed too.
Contact us at
info@palomarcactus.org.

“Photos by Susan LaFreniere
used with permission of the
San Diego Zoo Safari Park”

Members' Brag Garden or Plant Photos

Share a section of your garden, a plant that bloomed in-between meetings, or one that's too large or heavy to bring to the Brag Table.

Published photo receives 3 Brag Points; those who email in photos receive 1 point. Email photos with plant names to Annie at info@palomarcactus.org or text to [760-803-8948](tel:760-803-8948)

BRAG PLANT PHOTO MUST BE IN THE SUBJECT LINE!



Paula Debuig's - Echinopsis 'Rainbow Bursts'



Judy Warner's - Mammillaria



Susan & Leon LaFreniere



Susan & Leon LaFreniere's - Notocactus buiningii



Susan & Leon LaFreniere



Lorie Johansen's - Agave guiengola



Lorie Johansen's - Agave Americana 'Variegata'



Bob Schmutz



Bob Schmutz

HELP WANTED - WE NEED YOU!

As you've heard us say before EVERYTHING that happens in the club is done by VOLUNTEERS. These are people just like you and me, who have decided to give a little or a lot back to the club to help things run smoothly.

At this time we have too few people doing too many jobs, which puts undue stress on some people, plus some things are beginning to slip. Following are the jobs that new volunteers are needed for, and a bit of detail as to what they entail.



THIS IS SERIOUS BUSINESS FOLKS. WE NEED YOUR HELP IF OUR CLUB IS GOING TO CONTINUE TO PROVIDE ALL THE WONDERFUL ACTIVITIES THAT IT CURRENTLY DOES.

WEBSITE – NEW - Another website job is:

- Take over maintaining the website overall. This is not a big job and would include: yearly updating of the Calendar pages, the Meetings pages, the Officers and Committees page, plus making any changes that the Board decides on. Website experience would be necessary. This is not a timely job, maybe 6-8 hours per year.

ONLINE PUBLICITY – There is lots of behind the scenes work that goes into getting the word about our club monthly, and for our October event. To start with we would like someone to send in monthly meeting notices to the San Diego Union Tribune. The specifics are:

- Send out monthly notices to the San Diego Union Tribune, and any other sources you discover, with brief details about our monthly meetings, 2-3 sentences. Information will be provided.
- *This will take about 45 minutes per month.*

AV PERSON – We need someone to set up the projector, laser pointer, screen, etc. and then work with the speakers in hooking up their computers. *This will only take about 20 minutes to do before each meeting begins.*

AUGUST PICNIC & AUCTION COORDINATORS –

- We need someone to coordinate the food list and supplies, and to make sure setup and cleanup get done.
- For our AUCTION, which follows lunch, we need someone to get donations of auction items (plants, pottery, etc.) and make sure they are brought to the event. Peter and Annie will handle the auctioning.
- Volunteers may make announcements at monthly meetings, put notices in the newsletter, etc. to help do the job.
- A committee(s) would be very helpful.
- *Each job should take about 2-3 hours overall during the two months before and on the day of the event.*

NEWSLETTER HELP INSERTING PHOTOS – USING A MAC COMPUTER – Hopefully you've noticed that the newsletter now has photos of many of the Brag Table winning plants, the new Brag Photo page, plus as many other photos as there is room for. Annie uses a Macintosh computer and is having trouble adding these multiple photos to a page without them bouncing all around. She is hoping that someone with experience in this could show her some tips and tricks to make it easier. This would be a one-time job with perhaps some follow up phone calls.

Contact Annie Morgan or Brita Miller to discuss any of these exciting opportunities! Contact info is on p. 10.





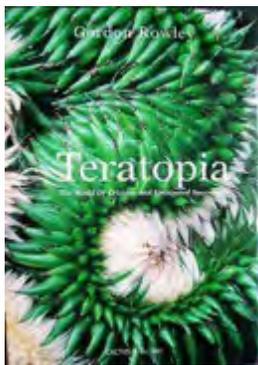
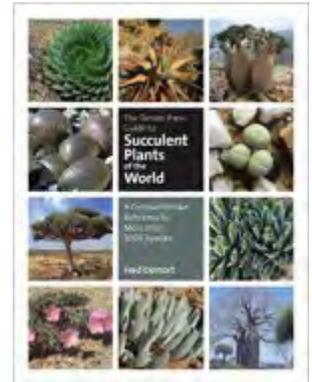
LIBRARY CORNER



Following are the newest additions to the PCSS Library. They will be available for checkout at the June meeting.

**Succulent Plants of the World:
A Comprehensive Reference to More than 2000 Species**

The plants are organized into 28 intuitively logical groups, such as succulent euphorbias, mesembryanthemums, bulbs, succulent trees, aloes, agaves, and haworthias. Each entry includes information on the plant's native habitat, its cultivation requirements, and its horticultural potential. As useful to novice growers as to collectors and those with an existing interest in succulents, this will be the standard reference for years to come.

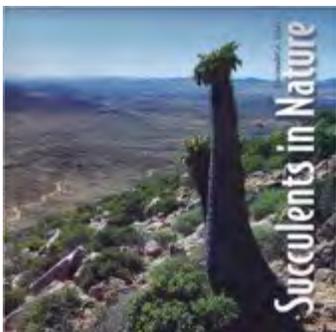
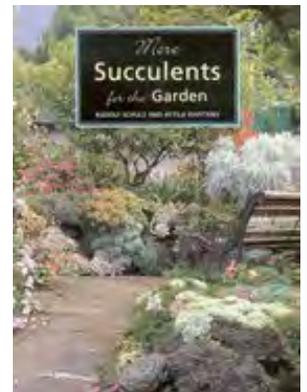


Teratopia - The World of Cristata and Variegated Succulents

With this book Gordon Rowley fills another major gap in the world of Cactus and Succulent literature. In addition to cristate and variegated succulents the book covers all kinds of succulent plant freak growths from chimeras and uncontrolled proliferation to spiral torsion and spinelessness. Gordon explains the botany of how it happens and the consequences, but why it happens in most cases is still not well understood. The book is lavishly illustrated as is appropriate and much of which is pictured here is previously undocumented and unillustrated. The name Teratopia comes from the 19th century name given to the scientific study of monsters.

Succulents for the Garden

Succulents have come a long way since grandma's day when they were represented by a few spiny and neglected specimens in clay pots. Today succulents demonstrate their many advantages in Australian gardens and landscaping through their outstanding color, shapes, form, and textures as well as their maintenance advantages and hardiness. With the advent of water wise gardening, more gardeners are demanding information on how to choose and use these outstanding and care-free plants. No longer just thought of as potted specimens, they are gaining favor as ground covers, borders, living mulches, fire retardants, slope stabilizers and in a host of other exciting roles.

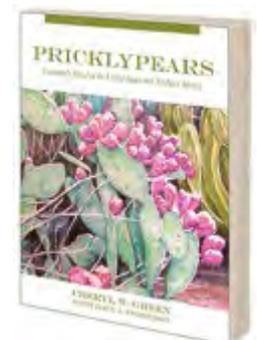


Succulents in Nature

The book is divided in 5 chapters, Introduction, Distribution, Environments and Species at risk, Biodiversity and References and Acknowledgements. The Introduction has sections on Succulence, Other Characteristics, and Adaptive Convergence, History and Photosynthesis. Distribution is divided into the Phytogeographic regions and the Environments and then goes on to discuss each region in detail: Macronesia, The Canary Islands, The Sahara, Southern Africa, Eastern Africa, Madagascar, Socotra, Arabian Peninsular, Sumatra, Australia, North America, Central and Southern America and Europe.

Prickly Pears – Commonly Found in the United States and Northern Mexico

Up until now, there has never been a detailed book on all the forms of Opuntias that we have today. The introduction sets the stage for the identification of 60 prickly pear species, varieties, forms or cultivars commonly found in the United States and northern Mexico. It is loaded with color photographs (300 color photos) in habitat and cultivation, plus numerous line drawings. Each species description includes 5 photographs to show growth habit, stem segments, spines, flowers and fruit.



Palomar Cactus & Succulent Society

The North San Diego County C & S Club!

Membership Application

Membership: Please ✓ a category:

New Member _____

Renewal _____

_____ Annual dues w/color email newsletter \$20

_____ Additional Household Members + \$ 5

_____ Engraved PCSS Name Badge + \$ 6

Total _____

PLEASE PRINT! We must be able to read it!

Name(s) _____

Address _____

City/State _____ Zip _____

Phone # _____

Email _____

Bring form & check or cash to a meeting, or mail it in.
Make checks payable to:

Palomar Cactus & Succulent Society or PCSS
P.O. Box 840, Escondido, CA 92033

Palomar Cactus & Succulent Society

Peter Walkowiak – President & Co-Program Chair

• hciservices@gmail.com

Brita Miller – Vice-President, Show Chair, Event Coordinator

• eventcoordinator@palomarcactus.org

Leon LaFreniere – Treasurer, Membership

Annie Morgan – Secretary, Website, Co- Program Chair

Publicity, Newsletter Editor

• info@palomarcactus.org

Francis Granger – Board Member & Exchange Table

Mike Nelson – Board Member

Carol McAllister – Board Member

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Vicki Martin – Assistant Librarian

Chet Reed – Brag Plant Photographer

Bruce Barry & Sandy Wetzel-Smith – Refreshments

Dennis Miller – Plant Sales & Benefit Drawing

2016 So. California Event Calendar

July 1 – 3 CSSA Annual Show & Sale

Huntington Gardens - 1151 Oxford Road, San Marino, CA.
Plant Sales July 1st - 3rd, Show July 2nd - 3rd
Info. 626-405-3504 **See Annie for FREE tickets!**

July 22-23 Orange County C & S Society Summer Show & Sale

Thurs. 21st 6-8pm, Fri. July 22nd 9am-7pm, Sat. 23rd 9am-5pm
1000 S. State College Bl., (Anaheim United Methodist Church)
Anaheim, CA Info. Call 949-212-8417

Aug. 13-14 31st Annual Intercity Show & Sale at the LA County

Arboretum, 9am-5pm daily - 301 No. Baldwin Ave., Arcadia, CA.
Info. Tom Glavich 626-798-2430 or Artie Chavez 818-482-8795

Sept. 3 Huntington Botanical Gardens Succulent Symposium

All day at The Huntington, Info. 626-405-3504

See January 2016 Newsletter for the complete list of events.



Judy Warner's Aeonium 'Mardi Gras'

2016 PCSS MEETING SCHEDULE

<u>DATE</u>	<u>SPEAKER</u>	<u>TOPIC</u>	<u>PLANT OF THE MONTH</u>
23 July	Ernesto Sandoval	The Needs of Succulents Above and Below Ground and in and out of Pots	Echeveria
27 August		PICNIC & AUCTION at San Diego Botanic (Quail) Garden in Encinitas	Auction
24 September	Woody Minnich	TBA	Staging Workshop
22, 23 October		ANNUAL SHOW & SALE AT SAN DIEGO BOTANIC (QUAIL) GARDEN IN ENCINITAS	YOUR SHOW PLANTS!!!
19 November	Brian Kimball	Gasterias	Gasteria
17 December		Holiday Party!	GIFT PLANTS FOR ALL