

CACTUS COURIER

Newsletter of the Palomar Cactus and Succulent Society

The North San Diego County Cactus and Succulent Society

Volume 63, Number 11

November 2018

NEXT MEETING

Sat., November 17th

This is a week early!

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

Brag plants, Exchange Table, Benefit Drawing

11:00am - 3:00pm

This Month's Presentation:

The New, Rare & Seldom Seen Cactus of Mexico

By: Wendell S. (Woody) Minnick

Mexico is considered by many to be one of the richest regions in the world for cacti. From the United States to the north, to its southern border of Guatemala, there are an amazing number of genera and species to be found. These range from the tiny *Turbinicarpus* to the giant *Pachycereus*. Within the reaches of Mexico, there are many diverse geologic environments. These habitats vary from the coastal and inland low lands to its many high mountain niches. For almost 50 years, I have been lucky enough to have traveled most all of Mexico. Thus, my favorite regions for exploring include the most popular Baja California, to the mysterious Sierra Madre Occidental, and the succulent rich Sierra Madre Oriental. It is from these famous territories that the majority of the highly desired collector's taxa are to be found.

One might think that Mexico, being so close to the United States, would have been totally explored and there would be nothing new to find. Nothing could be further from the truth! We are now finding new species of cacti and other succulents at an astonishing rate. These new finds have become a reality mainly because of the construction of many new roads leading us into what was previously unexplored territory. Coahuila, Durango and Zacatecas embody many of these remote regions where few explorers have had the opportunity to botanize. And now, these areas are rapidly opening up! (Cont. on p. 2)



Mammillaria - newly discovered species

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REFRESHMENTS

**The November Sign-up List
was lost so please do bring
some goodies!**

YOUR NAME HERE!

Website mostly revamped!

www.palomarcactus.org

We're on Facebook!

**Email: info@PalomarCactus.org
with any questions.**

2019 MEMBERSHIP – RENEW NOW!

For 2019 we are again backing up the deadline to renew memberships by one month as this is much less work for our Membership Chair. So the deadline to renew and to keep receiving a newsletter after February will be February 28th. You may pay at our meetings in November, December, January, or February, or you may print out a form or take one at a meeting and mail it in.

The ever-popular genera of: Agave, Dasylium, Fouquieria, Ariocarpus, Astrophytum, Aztekium, Echeveria, Gymnocactus, Mammillaria, Pelecephora and Turbinicarpus, are just a few of the genera where the addition of new species has become common. Due to all of the excitement and interest in these new plants, there have been numerous negative side effects that have evolved. This increased interest in these new plants, combined with the commercial powers of the internet/Google, has created new distribution avenues for the marketing of the rare and/or endangered species. Plants I have seen for many, many years are now facing new threats from commercial collecting. CITES and the enforcement of local and international laws, regarding illegally collected plants, has had very little impact on curtailing the destruction of specific plant populations. This is especially true when plants are new or highly desired because of their scarcity in the collector's circuit.



Come join me, as I will show you many of the new cacti and other succulents of Mexico. Also, I hope to share with you what is happening to these wonderful plants, partly as a result of our new electronic world and the power of money!

Top: Agave albopilosa - These grow on the sides of steep cliffs!

Bottom L to R: Huasteca Canyon, Echinocereus dasyacanthus, and Aztekium ritteri,

Wendell S. (Woody) Minnich

2018

Woody, as he is commonly known, grew up in the Mojave Desert and has had an attraction to desert plants and animals since the early 1950's. He has been involved with the cactus and succulent world as a grower, field explorer, club and organization leader, writer, photographer, lecturer and presenter.

Having been a speaker all over the world, Woody is most often associated with giving presentations on his field work from the places he has traveled, such as: Argentina, Australia, Bolivia, Brazil, Chile, Madagascar, Mexico, Namibia, New Zealand, Peru, Socotra, South Africa, the United States and Yemen. He is also recognized for having operated the nursery Cactus Data Plants since 1975. Woody's show quality plants were often considered one of the standards for staging and horticultural achievement. His favorite genera include: Adenium, Ariocarpus, Astrophytum, Copiapoa, Cyphostemma, Fouquieria, Gymnocalycium, Lithops, Mammillaria, Melocactus, Pachypodium, Turbinicarpus and Pachycauls in general.

Woody has published numerous articles in various journals and his photography is featured in many books including; "The Copiapoa" by Schulz, "The Mammillaria Handbook" by Pilbeam, "The Cactus Lexicon" by Hunt and Charles, as well as many others. As of this last November 2017, he is featured as the primary photographer in the new book "The Xerophile." This book specializes in what the authors call "the obsessed field workers from around the world."



Woody and his wife, Kathy, live in Cedar Grove, New Mexico. He is a retired secondary school teacher of 32 years where he taught Graphics, Art and Architecture. In the cactus and succulent hobby, Woody is recognized for his high energy and creative spirit. As an educator, he has become an important part of the hobby and thus is an honorary life member of ten C&S societies. With 45 years in the hobby and 64 years in the field, he has many experiences to share and numerous photos to show.

~ NOTICES ~

NOVEMBER BRAG PLANTS ~ LAST CHANCE TO EARN BRAG POINTS FOR 2018 GIFT PLANTS ~

~ Everyone who has brought in Brag Plants or sent in Garden Brag Plant photos will receive a plant, with high points winners having first choice. This year we will have a few larger plants for the very top point winners. The updated point chart will be in the December Newsletter.

SPELLING at the Show!!!

~ While it was a fantastic show with so many spectacular entries, there were an astonishing number of SPELLING errors on the entry cards, on the Advanced in particular. It took OVER 10 hours to make the corrections. So please, please, please check the list on p. 10 – 14 and correct your labels NOW! And handwriting, well that's another story.

Holiday Party ~ Saturday, December 8th



This party is early this year, the second Saturday! SO, MARK YOUR CALENDARS NOW.

Please sign up at the November meeting if you are going to attend to make sure you have a seat and that we have enough turkey.
If you miss signing up, please contact Brita.

- ~ Eleanore Hewitt will once again be cooking her delicious turkey thighs! Yeah Eleanore!!! 😊
- ~ Lorie Johansen will be cooking turkey breasts. ~ Peter will be bringing a freshly smoked ham.

The rest of the menu is potluck so be sure to sign up at the November meeting, or contact Brita ASAP if you're not able to be there but will be coming to the party.

THERE WILL BE GIFT PLANT TABLES FOR –

ALL MEMBERS IN ATTENDANCE ~ VOLUNTEERS ~ BRAG PLANT POINT WINNERS!

TABLE DECORATIONS ~ After two years of Evelyn Voth's beautiful reindeer collection she feels that it is time for something new. So, put your thinking caps on!

**Do you have decorations or any ideas to make our tables festive this year?
We will need your help so please contact Brita with your offers and ideas.**

Help is also needed in the following areas and you can sign up at the November meeting. If you miss that, please contact Brita if you can help out.

- ~ **Table Decorations** - Along with the needed centerpieces, we also need festive greenery - i.e. pine cones, pine & holly branches & berries. Starting at 10:30am we need help decorating the tables.
- ~ **Set-up and Serving** - Starting at 10:30am, we need help setting the tables and then people to help with serving the turkey to speed up the line.
- ~ Clean up Crew – You know the drill. Many hands make light work!



* Plant of the Month * – Mammillarias

By Lorie Johansen

They are generally small, delicate plants, usually forming clusters, with a wide variety of color, spination and flowers. Carl Linnaeus described the first species as *Cactus mammillaris* in 1753, deriving its name from the Latin word “mammilla”, meaning “nipple” or “teat” which refers to the tubercles that are among the distinctive features of the genus.



Spines grow at the end of small tubercles rather than on the ribs, and often include one or more longer central spines, which may be straight (pincushion cacti) or curved (fishhook cacti), surrounded by smaller radial spines. (Thus, the categories of straight and hooked spines in shows.) Their flowers do not come from the apex, i.e. the highest part of the ‘nipple’, but from lower down in a ring around the upper part of the stem. Mammillaria spines are

arranged according to the Fibonacci sequence*, which states that each lower row of tubercles equals the sum of the previous two rows. (PCSS will be having a speaker on the Fibonacci sequence in 2019.)

Cultivation: With so many species, growing requirements are varied. Many are easy and fast to grow and will bloom when young, making them very popular. Some are quite hardy while others are more difficult and will rot if kept too cold and/or wet. All require excellent fast-draining cactus mix soil and do best in a shallow pot. Give them strong even light but protection from midday hot searing sun. Make sure to allow them to dry out between watering, then water thoroughly but do not leave sitting in wet soil. Unlike other cacti, mammillarias have raised tubercles from which the spines emerge and when you water the tubercles expand to allow increased water storage. Suspend watering and fertilizer in the winter when they are dormant, which will encourage better flowering. Flowers emerge from the axils of the tubercles on the previous year’s growth.

As they grow, repot as needed, preferably during the warm season. Make sure the soil is dry before repotting, then gently remove the plant, carefully knock away the old soil from the roots, making sure to remove any rotted or dead roots in the process. Treat any cuts with a fungicide. Place the plant in its new pot and backfill with potting soil, spreading the roots out as you repot. Leave the plant dry for a week or so, then begin to water lightly to reduce the risk of root rot.

Propagation: Mammillarias can be easily propagated from offsets, which readily form in clusters around the base of the mother plant. To propagate, carefully remove the offset and allow the cut to dry on a paper towel for a few days. Depending on the size of the cut area, a callus will form over the cut surface. Once the callus has formed, place the new plant in a pot with a cactus potting soil mixture and keep in a warm place until new roots emerge. Once, established, repot it into a regular container.

Local Mammillaria: We do have one Mammillaria that is native to California, *Mammillaria dioica*, shown directly below, which grows in our area and out into the SW Colorado desert into Arizona and down into Baja CA.

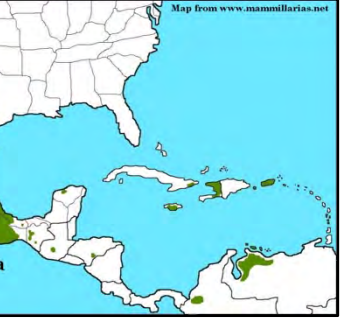


Mammillaria gummifera, native to Texas, New Mexico, Oklahoma and down into Mexico.

*Note how well the Fibonacci sequence shows in this one.



Mammillaria zeilmanniana fma. crestadada, showing flowers and the seed pots that form from them.



Mammillaria spinosissima, native to the SW US, Colombia, Venezuela, and a few in the West Indies. Its greatest diversity is in Mexico.

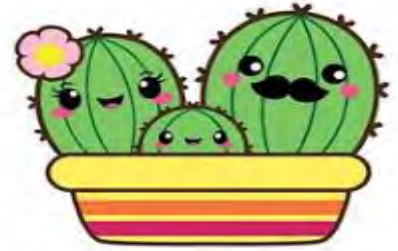
*Note the Fibonacci sequence.



Lorie's new *M. schiedeana*, native to Mexico

SHOW & SALE RECAP

- ♦ What a fantastic event we had overall, and wow what a show!
- ♦ You made it an incredible success by bringing in 387 beautiful plants, and the cactus divisions were especially full!
- ♦ Novice entries were way up, thank you, and Advanced exhibitors brought in many, many amazing and diverse plants!
- ♦ Our new Professional Level was made up of 18 of Peter's astonishing large and old plants. A treat for the eyes!
- ♦ Visitors were as always extremely impressed with the display; our Show takes succulents to a new level introducing them to very unusual plants that they have never seen before!
- ♦ Volunteers, you were incredible and kept everything running smoothly! See pg. 4 for more details.
- ♦ We had 15 vendors so there was no shortage of beautiful plants, pottery, wood, rocks, etc. to purchase.
- ♦ Thus, sales were brisk, 13% higher than 2017, and a new record!
- ♦ This means we will be making a nice donation to San Diego Botanic Gardens.



Huge thanks go to Brita Miller for coordinating this very detailed event!

Thank You Show & Sale Volunteers!

From Brita Miller ~ Show Chair, Event Coordinator

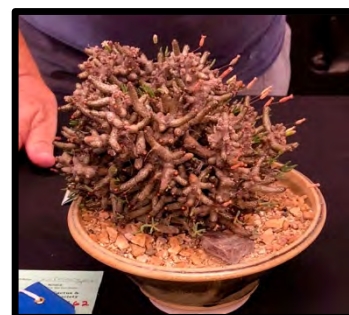
WE COULDN'T HAVE DONE IT WITHOUT YOU!!!

I want to give a personal thank you to all the great volunteers:

- **Setup and/or Breakdown** - Kevin Smith, Richard Miller, Moni Waiblinger, Lorie Johansen, Jerome Kahn, Russel Ray, Charlyne Barad, Jean O'Daniel and all the others who did all the heavy lifting literally and figuratively.
- **Vendor** - Tina Zucker as the Vendor Chair, coordinated with all the vendors and supervised the vendor area setup. Great job! Tina was and is always a great help.
- **Sales** - Leon LaFreniere, as lead cashier with John Barkley, Winston Chan, Julie Kort as the rest of the cashier team. Susan LaFreniere, Dee Morgan, Lyn Mardesich, Sherman Blench scanned, boxed and in general helped the many customers. Pam Dunlap and Moni did a wonderful job manning the Sales area Holding tables.
- **Show** - Heather Chan, Annie Morgan, Lorie, David Buffington, May Fong Ho, Jean and Moni who helped with plant ID, clerking and other Show needs. Bob Schmutz, our security man extraordinaire, along with Richard, Lorie, and Bill O'Daniel's ingenuity which kept the Showroom quiet so we all could hear our very informative judges, Woody Minnich and Kelly Griffin.
- **Welcome & Membership** - Francis Granger and Libbi Salvo did a fantastic job welcoming people and taking care of the Membership Table.
- **Refreshments** - Sandy Wetzel-Smith took care of the food and refreshments so our volunteers, vendors and members didn't go hungry! Lyn and Nannette Wigand filled in when Sandy wasn't available.
- Thanks to everyone who brought in all the delicious food that kept us going all weekend!
- **Various Jobs** – Annie for publicity, emails, FB, etc., Russel, our photographer; Dean Karras, a new member and vendor, who volunteered whenever help was needed; Gloria Medina for getting attendees to vote for the People's Choice Award, and all the others who were great helping at all the other various jobs that came up as the event went along. Sorry, as I'm sure I've missed thanking someone.
- **San Diego Botanic Garden** - For publicizing our event.
- **A huge personal Thank You** to my husband, Richard, who I roped in for all three days of Show & Sale, and for helping out many hours in the weeks before. He also put up with a living room full of empty boxes, banners, parking lot signs, refreshment supplies, tablecloths, membership table material, and all the other Show & Sale items and everything else that might be needed, except the kitchen sink, as SDBG has one.

Thank You!

OCTOBER 2018 FALL SHOW ~ WINNER'S TABLE



Best Novice Succulent
Dee Morgan's
Tylecodon buchholzianus



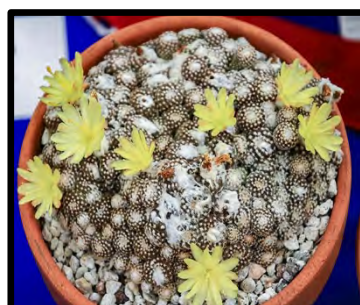
Best Intermediate Succulent
Annie Morgan's
Alluaudia montagnacii



Best Novice Cactus
Heather Chan's
Echinocactus grusonii



Best Intermediate Cactus
Regina Fernandez's
Coryphantha audreae



Best Advanced Cactus
D & J Craig's *Copiapoia laui*



Best Advanced Succulent
Tina Zucker's Aloe hybrid iridescent



Best in Show
Russel Ray's - *Crassula ovata* 'Hobbit'

Judge's Choice Awards



Woody Minnich's *Ariocarpus kotschoubeyanus*



Russel Ray's *Mammillaria parkinsonii*

Peoples' Choice Awards



Peter Walkowiak's incredible *Ceraria namaquensis* won the People's Choice 1st place award!



Lorie Johansen's *Aeonium*, which still has a large crest while the foliage is now growing normally, tied for the People's Choice 2nd place, again this year!

Russel Ray's *Mammillaria parkinsonii*, shown just above in Judge's Choice Awards, was also tied for People's Choice 2nd place.

Show & Sale Videos & Photos

VIDEOS!!! This year thanks to Russel Ray, a newer member and our new Event & Video Photographer, for the first time we have multiple videos of our event. These are listed below and are live links, meaning that you may just click on it and the video will come up. Enjoy! The videos are: Show Plants - <https://www.youtube.com/watch?v=-z4OeUa9k6U&t=10s>
The Sale - <https://www.youtube.com/watch?v=JV90Fv-CMX8>
Still Photos of all Aspects - <https://youtu.be/h7pGX6SCfJM>, including Setup, The Show, The Sale, Judging, The Winners, and Breakdown & Cleanup



Top: A panoramic shot of the Show, by Moni.
Left: Putting the final touches on the Show.
Below L & R: Shoppers with carts so they have room to buy lots and lots, the sales line starts and our cashier crew gets to work for a long day!



Above L - R: The crowd following our esteemed judges, Woody Minnich and Kelly Griffin, as they explain their choices.
R: Decisions, decisions!



**Top to Bottom L to R:
SO MUCH TO BUY!**
Jerry Garner's pottery, John
Matthews top dressing &
plants, Lisa Brosseau's rocks,
Regina Fernandes' pottery, Joe
Wujcik's pottery, plants galore,
Larry's driftwood & tillandsias,
Peter talking with a customer,
lots of plant discussions,
food - this is hard work, Francis
manning the Membership
Table, Moni working at the
Sold & Holding Plant Table.



2018 SHOW WINNERS

DIVISION 1: CACTACEAE

NORTH AMERICAN CACTUS

Class 1 - Ariocarpus, Astrophytum

NOVICE

1 st	Dee Morgan	Ariocarpus fissuratus v fissuratus
2 nd	David Buffington	Ariocarpus retusus

INTERMEDIATE

1 st	Dean Karras	Ariocarpus retusus
2 nd	Jerome Kahn	Astrophytum myriostigma
3 rd	Annie Morgan	Astrophytum capricorne

ADVANCED

1 st	Woody Minnich	Ariocarpus kotschoubeyanus Judge's Choice
2 nd	Robert Kopfstein	Ariocarpus trigonus
3 rd	Russel Ray	Astrophytum capricorne
3 rd	D & J Craig	Astrophytum myriostigma

Class 2 - Aztekium, Pelecypora, Epithelantha, Strombocactus, Obregonia, Encephalocarpus, Ortegocactus

INTERMEDIATE

1 st	Jerome Kahn	Tephrocactus articulatus
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ADVANCED

1 st	John Barkley	Obregonia denegrii
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Class 3 - Coryphantha, Escobaria, Neobessya, Neolloydia, Leuchtenbergia

NOVICE

1 st	David Buffington	Escobaria sneedii v. leei
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INTERMEDIATE

1 st	Regina Fernandez	Coryphantha audrae Best Cactus Intermediate
2 nd	Neila Rybicki	Leuchtenbergia principis
3 rd	Jerome Kahn	Leuchtenbergia principis

ADVANCED

1 st	John Barkley	Leuchtenbergia ferocactus
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Class 4 - Gymnocactus, Turbinicarpus, Stenocactus

NOVICE

1 st	Sherman Blench	Stenocactus multicostatus
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INTERMEDIATE

1 st	Dean Karras	Turbinicarpus schmiedickeanus
2 nd	Jerome Kahn	Stenocactus multicostatus

ADVANCED

1 st	Woody Minnich	Turbinicarpus lavseri
2 nd	D & J Craig	Stenocactus multicostatus

Class 5 - Echinocereus

ADVANCED

1 st	Russel Ray	Echinocereus pacificus
2 nd	Lorie Johansen	Echinocereus fendleri
3 rd	Russel Ray	Echinocereus coccineus



Class 6 - Echinocactus, Ferocactus, Hamatocactus

NOVICE

1 st	Heather Chan	Echinocactus grusonii Best Cactus Novice
2 nd	Richard Miller	Echinocactus grusonii (golden barrel cactus)
3 rd	David Buffington	Echinocactus hamatacanthus

INTERMEDIATE

1 st	Neila Rybicki	Ferocactus gracilis
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ADVANCED

1 st	Russel Ray	Ferocactus stainesii v. pilosus
2 nd	Robert Kopfstein	Echinocactus platyacanthus
2 nd	Russel Ray	Ferocactus rectispinus
3 rd	Collette & Terry Parr	Ferocactus glaucescens
3 rd	Russel Ray	Ferocactus

Class 7 - Mammillaria - hooked spines

INTERMEDIATE

2 nd	Neila Rybicki	Mammillaria plumosa
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ADVANCED

1 st	Candy & Jerry Garner	Mammillaria bombycina
2 nd	Lorie Johansen	Mammillaria bombycina

Class 8 - Mammillaria - straight spines

INTERMEDIATE

1 st	Dean Karras	Mammillaria karwinskiana
3 rd	Neila Rybicki	Mammillaria spinosissima cv. 'Un Pico'

ADVANCED

1 st	Candy & Jerry Garner	Mammillaria voburnensis
2 nd	Russel Ray	Mammillaria parkinsonii Judge's Choice
2 nd	Woody Minnich	Mammillaria mystax
3 rd	Russel Ray	Mammillaria
3 rd	Russel Ray	Mammillaria

Class 9 - Telocactus, Sclerocactus, Pediocactus

ADVANCED

1 st	Russel Ray	Telocactus bicolor var. flavidispinus
2 nd	Russel Ray	Telocactus bicolor

SOUTH AMERICAN CACTUS

Class 10 - Blossfeldia, Fraillia, Ubelmannia

ADVANCED

1 st	Regina Fernandez	Blossfeldia liliputana
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Class 11 - Buiningia, Discocactus, Melocactus

ADVANCED

1 st	Russel Ray	Buiningia brevicylindrica
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Class 12 - Copiapoa

INTERMEDIATE

1 st	Neila Rybicki	Copiapoa cinerea
2 nd	Dean Karras	Copiapoa esmeraldana

ADVANCED

1 st	D & J Craig	Copiapoa laui Best Cactus Advanced
2 nd	Woody Minnich	Copiapoa dura
2 nd	Julian Duval	Copiapoa hypogaea
3 rd	Lorie Johansen	Copiapoa cinerea

Class 13 - Echinopsis, Lobivia

NOVICE

1 st	Sherman Blench	Echinopsis
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ADVANCED

1 st	Russel Ray	Echinopsis Formosa
3 rd	Lorie Johansen	Denmoza rhodacantha
3 rd	Russel Ray	Echinopsis chamaecereus

Class 14 - Eriosyce, Neochileneia, Neoporteria, Pyrrhocactus, Horridocactus

NOVICE

1 st	Tammy Harmon	Neoporteria nidus-senilis
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Class 15 - Gymnocalycium

INTERMEDIATE

1 st	Dean Karras	Gymnocalycium saglionis
2 nd	Annie Morgan	Gymnocalycium mihanovichii friedrichii
3 rd	Neila Rybicki	Gymnocalycium cardenasianum v. armatum

ADVANCED

1 st	Russel Ray	Gymnocalycium saglionis
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Class 16 -Notocactus, Parodia, Ancanthocalycium

NOVICE

1st Winston Chan Notocactus magnificus

INTERMEDIATE

1st Regina Fernandez Notocactus magnificus

ADVANCED

1st Collette & Terry Parr Parodia maassii
2nd Russel Ray Parodia nivosa
3rd Russel Ray Notocactus haselbergii

Class 17 - Rebutia, Sulcorebutia, Weingartia

INTERMEDIATE

1st Regina Fernandez Rebutia heliosa

Class 17 - Rebutia, Sulcorebutia, Weingartia

INTERMEDIATE

1st Regina Fernandez Rebutia heliosa

OTHER CACTI

Class 18 - Matucana, Submatucana, Oroya, Borzicactus

ADVANCED

1st Russel Ray Oreocereus trollii

Class 19 - Ceroids, Columnar Cactus

NOVICE

1st Max McGavin Cephalocereus senilis

INTERMEDIATE

1st Annie Morgan Lemaireocereus thurberi
1st Dean Karras Echinopsis pachanoi
2nd Annie Morgan Carnegiea gigantea saguaro
3rd Annie Morgan Stetsonia coryne

ADVANCED

1st Lorie Johansen Espostoa lanata
2nd Lorie Johansen Oreocereus celsianus
2nd Russel Ray Lophocereus schottii



Class 20 - Opuntioideis

INTERMEDIATE

1st Jerome Kahn Opuntia

ADVANCED

1st Russel Ray Grusonia invicta
2nd Russel Ray Opuntia macrocentra
3rd Russel Ray Opuntia sulphurea

Class 21 - Epiphytic Cactus

ADVANCED

1st Lorie Johansen Rhipsalis cereuscula
2nd Phyllis Flechsig Rhipsalis capilliformis
3rd John Barkley Rhipsalis pilocarpa

Class 22 - Variegates

INTERMEDIATE

2nd Jerome Kahn Opuntia variegates

Class 23 - Crests, Monstrose

NOVICE

1st Winston Chan Opuntia vestita cristata
2nd Charlyne Barad Austrocylindropuntia subulata f. cristata

ADVANCED

1st Mike Nelson Trichocereus



DIVISION 2: NON CACTUS SUCCULENTS

MESEMBRYANTHEACEAE

Class 25 - Lithops, Conophytum

INTERMEDIATE

1st May Fong Ho Conophytum elisae
1st Dean Karras Turbinicarpus knuthianus

ADVANCED

1st John Matthews Lithops aucampiae
2nd John Matthews Lithops hookeri
2nd John Matthews Lithops bromfieldii v glaudinae
3rd D & J Craig Conophytum
3rd John Mathews Lithops leslei

Class 26 - Pleiospilos, Titanopsis, Dinteranthus, Faucaria

INTERMEDIATE

1st Annie Morgan Faucaria 'Super Warty'

ADVANCED

1st Lorie Johansen Faucaria tigrina
2nd Collette & Terry Parr Glottiphyllum peersii
3rd John Barkley Faucaria tigrine
3rd Candy & Jerry Garner Titanopsis fulleri

Class 27 - Mestoklema, Aloinopsis, Trichodiadema

INTERMEDIATE

2nd Pauline Wong Trichodiadema bulbosum

ADVANCED

1st Mike Nelson Trichodiadema bulbosum
2nd Lorie Johansen Mestoklema tuberosa
3rd Lorie Johansen Trichodiadema bulbosum

LILIACEAE

Class 28 - Aloe

NOVICE

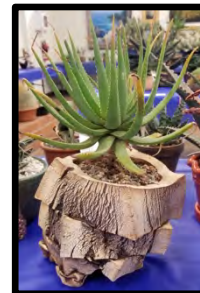
1st Moni Waiblinger Aloe hybrid 'Swordfish'

INTERMEDIATE

1st Libbi Salvo Aloe
2nd Lisa Brosseau Aloe 'Safari Sunset'

ADVANCED

1st D & J Craig
Aloe pearsonii
1st Tina Zucker
Aloe hybrid iridescent **Best Succulent Advanced**
2nd Lorie Johansen Aloe 'Lavender Star'
3rd Tina Zucker Aloe variegata 'partridge breast' aloe
3rd Woody Minnich Aloe 'Christmas Sleigh'
3rd Phyllis Flechsig Aloe albiflora



Class 29 - Gasteria, Astroloba

INTERMEDIATE

1st Regina Fernandez Gasteria 'Little Warty'

ADVANCED

1st Candy & Jerry Garner Gasteria excelsa
2nd John Barkley Gasteria batesiana
3rd Mike Nelson Gasteria brachyphylla
3rd Phyllis Flechsig Gasteria glomerata

Class 30 - Haworthia

NOVICE

1st Julie Kort Haworthia limifolia
2nd Heather Chan Haworthia cymbiformis

INTERMEDIATE

1st Annie Morgan Haworthia
2nd Annie Morgan Haworthia
3rd Kevin Smith Haworthia cymbiformis

ADVANCED

1st Collette & Terry Parr Haworthia truncata
2nd Mike Nelson Haworthia maughanii
3rd Woody Minnich Haworthia

CRASSULACEAE

Class 31 - Cotyledon, Tylecodon

NOVICE

1st Dee Morgan Tylecodon buchholzianus **Best Succulent Novice**
2nd Tony Gurnoe Tylecodon paniculatus

ADVANCED

1st Mike Nelson Tylecodon paniculatus
2nd Tina Zucker Tylecodon wallichii

Class 32-1 - Crassula

NOVICE

1st Tammy Harmon Crassula ovata 'Curly Leaf'

INTERMEDIATE

1st Pauline Wong Crassula capitella
2nd Pauline Wong Crassula ovulate 'Hummel's Sunset'

ADVANCED

1st Russel Ray Crassula ovata 'Gollum' **Best in Show**
2nd Tina Zucker Crassula deceptor

Class 32-2 - Kalanchoe

INTERMEDIATE

1st Pauline Wong Kalanchoe fedtschenkoi
2nd Jerome Kahn Kalanchoe beharensis

Class 33 - Dudleya

Class 34 - Echeveria

NOVICE

1st Moni Waiblinger Echeveria culibra
2nd Patti Nelson Echeveria agavoides 'Ebony'
3rd Moni Waiblinger Echeveria agavoides

INTERMEDIATE

1st Pauline Wong Echeveria adolphii 'Firestorm'
1st Pauline Wong Echeveria 'Raindrops'
2nd Annie Morgan Echeveria setosa
3rd Annie Morgan Echeveria 'Lola'

ADVANCED

1st Russel Ray Echeveria agavoides



Class 35 - Pachyphytum, Graptopetalum, Tacitus, Adromischus, Sedum

NOVICE

1st Dee Morgan Adromischus filicaulis
2nd Pauline Wong Graptopetalum paraguayense
2nd Pauline Wong Graptopetalum paraguayense
3rd Pauline Wong Graptopetalum 'blue pearl'

ADVANCED

1st D & J Craig Adromischus juttiae
2nd Collette & Terry Parr Adromischus marianiae herrei
2nd John Barkley Adromischus cristatus
3rd Collette & Terry Parr Sedum nussbaumerianum

Class 36 - Aeonium

ADVANCED

1st Lorie Johansen Aeonium arboretum zwartkop
2nd Tina Zucker Aeonium zwartkop crested

EUPHORBIACEAE

Class 37 - Stem Type - no spines, no leaves: abdelkuri, obesa, symmetrica, platyclada

NOVICE

1st Tammy Harmon Euphorbia suzannae
2nd Moni Waiblinger Euphorbia globosa

INTERMEDIATE

1st Libbi Salvo Euphorbia suzannae
2nd Neila Rybicki Euphorbia suzannae
3rd Neila Rybicki Euphorbia spiralis

ADVANCED

1st Mike Nelson Euphorbia abdelkuri
2nd Russel Ray Euphorbia anoplia

Class 38 - With Leaves and spines: milii, viguieri, unispina

INTERMEDIATE

1st Neila Rybicki Euphorbia venefica

ADVANCED

1st Tina Zucker Euphorbia unispina
2nd Collette & Terry Parr Euphorbia cylindrifolia v. tuberosa
2nd Tina Zucker Euphorbia multifolia
3rd John Barkley Euphorbia poissonii
3rd D & J Craig Euphorbia poissonii

Class 39 - With leaves, no spines: bupleurifolia, decaryi, francoisii, polygona, bicompecta

INTERMEDIATE

1st Jerome Kahn Euphorbia millotii

ADVANCED

1st Candy / Jerry Garner Euphorbia francoisii
2nd Tina Zucker Euphorbia multifolia

2nd Tina Zucker Euphorbia cylindrifolia
3rd Al Klein Euphorbia bupleurifolia

Class 40 - No leaves, with spines: clavigera, horrida, stellata, stellispina

NOVICE

1st Lyn Mardesich Euphorbia stellata

INTERMEDIATE

1st Kevin Smith Euphorbia mammillaris f. variegata
2nd Neila Rybicki Euphorbia columnaris
3rd Regina Fernandez Euphorbia buruana

ADVANCED

1st Julian Duval Euphorbia squarrosa
2nd Russel Ray Euphorbia knuthii
3rd Russel Ray Euphorbia
3rd Russel Ray Euphorbia ferox

Class 41 - Medusas: caput-medusa, decepta, esculenta, gorgonis, hopetownensis, inermis, suppressa

INTERMEDIATE

1st Neila Rybicki Euphorbia esculenta

ADVANCED

1st Mike Nelson Euphorbia suppressa
2nd John Barkley Euphorbia esculenta
3rd John Barkley Euphorbia

EUPHORBIACEAE - OTHER

Class 42 - Jatropha, Monadenium, Pedilanthus

INTERMEDIATE

1st May Fong Ho Monadenium ellenbeckii

ADVANCED

1st John Barkley Euphorbia neomontana
2nd Mike Nelson Monadenium ritchiei

GERANIACEAE

Class 43 - Pelargonium

ADVANCED

1st Tina Zucker Pelargonium mirabilis
2nd Candy & Jerry Garner Pelargonium alternans
3rd Russel Ray Pelargonium cotyledonis

Class 44 - Sarcocaulon

INTERMEDIATE

1st Lisa Brosseau Sarcocaulon herrei

ADVANCED

1st Candy & Jerry Garner Sarcocaulon herrei

APOCYNACEAE

Class 45 - Adenium

ADVANCED

1st Steve Salley Adenium swazicum hybrid
2nd Steve Salley Adenium obesum

Class 46 - Pachypodium

NOVICE

1st Tammy Harmon Pachypodium lamerei
2nd Winston Chan Pachypodium saundersii v compacta

INTERMEDIATE

1st Brita Miller Pachypodium lamerei
2nd Neila Rybicki Pachypodium namaquanum
3rd Neila Rybicki Pachypodium namaquanum

ADVANCED

1st Steve Salley Pachypodium namaquanum
2nd Steve Salley Pachypodium brevicaulis
2nd Steve Salley Pachypodium lealii saundersii
3rd Steve Salley Pachypodium rosulatum
3rd Julian Duval Pachypodium saundersii

ANACARDIACEAE

Class 84 - Operculicarya

ADVANCED

1st Candy & Jerry Garner Operculicarya decaryi
2nd Julian Duval Operculicarya decaryi
3rd John Barkley Operculicarya decaryi

ASCLEPIADACEAE

Class 47 - Crispa, Fockea, Petopentia, Raphionacme

NOVICE

1 st	Moni Waiblinger	Fockea edulis
2 nd	Winston Chan	Fockea edulis

ADVANCED

1 st	Lorie Johansen	Fockea edulis
2 nd	A Klein	Fockea edulis

Class 48 - Caralluma, Hoodia, Huernia, Stapelia

INTERMEDIATE

1 st	Dean Karras	Hoodia gordonii
2 nd	Regina Fernandez	Pseudolithos
3 rd	Jerome Kahn	Huernia

ADVANCED

1 st	Tina Zucker	Pseudolithos migiurtinus dodsianiana
2 nd	Tina Zucker	Pseudolithos harardtheranus
3 rd	Tina Zucker	Pseudolithos migiurtinus

AGAVACEAE

Class 49-1 - Agave

ADVANCED

2 nd	Lorie Johansen	Agave victoriae-reginae
3 rd	Lorie Johansen	Agave stricta 'Nana'
3 rd	Lorie Johansen	Agave 'Kissho Kan'
3 rd	Phyllis Flechsig	Agave x snow queen

Class 49-2 - Agave Variegata

INTERMEDIATE

1 st	Dean Karras	Agave victoriae-reginae variegata
2 nd	Jerome Kahn	Agave angustifolia

ADVANCED

1 st	Robert Kopfstein	Agave victoriae-reginae variegata
1 st	Candy / Jerry Garner	Agave parviflora
2 nd	Lorie Johansen	Agave isthmensis 'Rum Runner'
3 rd	Lorie Johansen	Agave lophantha 'Quadricolor'



Class 50 - Nolina, Yucca, Beaucarnea, Calibanus

NOVICE

1 st	Moni Waiblinger	Beaucarnea recurvata
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ADVANCED

1 st	Russel Ray	Beaucarnea recurvata
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ASTERACEAE

Class 51 - Senecio

Class 52 - Othonna

1 st	Tina Zucker	Othonna triplinervia
2 nd	Tina Zucker	Othonna triplinervia

BURSERACEAE

Class 53 - Bursera

Class 54 - Boswellia, Commiphora

ADVANCED

1 st	Steve Salley	Boswellia sacra
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DRACAENACEAE

Class 56 - Sansevieria

INTERMEDIATE

1 st	Neila Rybicki	Sansevieria suffruticosa spiralis
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ADVANCED

1 st	Candy & Gerry Garner	Sansevieria concinna
2 nd	John Barkley	Sansevieria
3 rd	Candy & Gerry Garner	Sansevieria suffruticosa
3 rd	Collette & Terry Parr	Sansevieria 'moonglow'

DIDIEREACEAE

Class 58 - Alluaudia, Didiera

INTERMEDIATE

1 st	Annie Morgan	Alluaudia montagnacii Best Succulent Intermediate
2 nd	Annie Morgan	Alluaudia procera
3 rd	Annie Morgan	Didiera

ADVANCED

1 st	Robert Kopfstein	Didiera madagascariensis
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MORACEAE

Class 59 - Ficus

Class 60 - Dorstenia

PASSIFLORACEAE

Class 61 - Adenia

Class 62 - Avonia, Anacampseros, Ceraria, Portulacaria

INTERMEDIATE

2 nd	Pauline Wong	Portulacaria afra
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BROMELIACEAE

Class 63 - Abromaitellia, Dyckia, Hechtia, Deuterocohnia

NOVICE

1 st	Tammy Harmon	Aechmea tayoensis
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INTERMEDIATE

1 st	May Fong Ho	Deuterocohnia lotteae
2 nd	Brita Miller	Bromeliaceae deuterocohnia brevifolia

ADVANCED

1 st	Robert Kopfstein	Hechtia argentea
2 nd	Robert Kopfstein	Dyckia hybrid
2 nd	Candy & Jerry Garner	Dyckia hebdingii
3 rd	Robert Kopfstein	Dyckia bigeneric D. burle-marxii
3 rd	Robert Kopfstein	Orthophytum magalhaesii

Class #64 - Tillandsia

ADVANCED

1 st	John Barkley	Tillandsia
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PACHYCAUL SUCCULENTS (Fat Trunks [Cucurbits])

Class 65 - New World: Pachychormus, Pseudobombax, Fouquieria

ADVANCED

1 st	Candy & Jerry Garner	Bombax ellipticum
2 nd	Lorie Johansen	Bombax ellipticum
3 rd	Robert Kopfstein	Bombax ellipticum

Class 66 - Old World: Adansonia, Sesamothamnus, Chyphostemma, Uncarina, Welwitschia

INTERMEDIATE

1 st	Annie Morgan	Cussonia paniculata
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ADVANCED

1 st	Julian Duval	Cussonia spicata
2 nd	Robert Kopfstein	Cyphostemma uter
3 rd	Tina Zucker	Senna meridionalis

GEOPHYTES (Fat Base or Roots [Cucurbits])

Class 68 - Old World: Dioscorea, Ipomoea

NOVICE

1 st	David Buffington	Dioscorea elephantipes
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INTERMEDIATE

1 st	Dean Karras	Gerrardanthus macrorhizus
2 nd	Neila Rybicki	Gerrardanthus macrorhizus

ADVANCED

1 st	Julian Duval	Dioscorea elephantipes
2 nd	Al Klein	Gerrardanthus macrorhizus
3 rd	Tina Zucker	Gerrardanthus macrorhizus
3 rd	Phyllis Flechsig	Gerrardanthus macrorhizus

Class 69 - Bulbs

NOVICE

1 st	David Buffington	Boophane disticha
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ADVANCED

1 st	Collette & Terry Parr	Ledebouria revolute
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OTHER SUCCULENTS

Class 70 - Variegates - 50% or more variegation

NOVICE

1st Victoria Martin Crassula ovata variegata

ADVANCED

1st D & J Craig Agave victoriae-reginae mediopicta
2nd Phyllis Flechsig Haworthia cuspidata variegata

Class 71 - Monstrose and Crests

NOVICE

1st Heather Chan Euphorbia lactea cristata variegata
1st Mori Waiblinger Euphorbia flanaganii f. cristata
2nd Sandy Wetzel-Smith Aeonium crest
3rd Dee Morgan Euphorbia antisiphilitica crest
3rd Chris Barkley Aeonium

INTERMEDIATE

1st Annie Morgan Echeveria crest
2nd Annie Morgan Crassula mucosa 'Watch Chain' crest
3rd Annie Morgan Echeveria crest

ADVANCED

1st Julian Duval Euphorbia lactea cristata var.
2nd Tina Zucker Euphorbia flanaganii crest
3rd Tina Zucker Aeonium hybrid crest



Class 72 - Succulent Bonsai: a succulent plant presented in a bonsai style

NOVICE

1st Tony Gurnoe Operculicarya decaryi

INTERMEDIATE

1st Al Klein Operculicarya decaryi

ADVANCED

2nd John Barkley Pelargonium

Class 73 - Seed Grown By Exhibitor

INTERMEDIATE

1st May Fong Ho Adenium arabicum

DIVISION 3: OTHER

Class 74 - Collections, 5 - 10 plants, same genus, separate pots

INTERMEDIATE

1st Annie Morgan Sansevieria, 5 various



Class 75 - Theme Collection: different specimens with something in common - genus, form, color pots, or other attributes

Class 76 - Miniatures

NOVICE

1st David Buffington Turbinicarpus pseudopectinatus

ADVANCED

1st Candy & Jerry Garner Masoniana pygmaea
2nd John Barkley Rhipsalis

Class 77 - Grafted

INTERMEDIATE

1st Neila Rybicki Pachypodium brevicaule

Class 78 - All Other Genera

NOVICE

1st David Buffington Pereskiaopsis

spatulata

INTERMEDIATE

1st Jerome Kahn Pereskia aculeate

ADVANCED

1st Julian Duval Encephalartos horridus
1st Al Klein Plectranthus ernstii
2nd John Barkley Maihuenia poeppigii
2nd John Barkley Encephalartos horridus
3rd John Barkley Pereskia aculeate



DISH GARDENS

Class 79 - Anything goes: use of figurines or unusual pots. May be more than one genus &/or species - Creativity is encouraged

INTERMEDIATE

1st Libbi Salvo Dish garden assorted
2nd Pauline Wong Dish garden

ADVANCED

1st Russel Ray Dish garden
2nd Phyllis Flechsig Dish garden



Class 80 - Natural Materials Only: may be multiple genus &/or species, and then rock(s), top dressing driftwood, etc. may be added

INTERMEDIATE

1st Dean Karras Astroloba, Haworthia, Haworthiopsis, Tulista
2nd Pauline Wong Dish garden

ADVANCED

1st John Barkley Dish garden - Ceropegia, Rhipsalis
1st John Barkley Dish garden - Ariocarpus x 4
2nd John Barkley Dish garden - Echinopsis, other cacti
3rd Lorie Johansen Espostoa melanostele

Class 81 - Single Genera: one or more species of one genus in one pot

INTERMEDIATE

1st Neila Rybicki Euphorbia enopla dish garden

Class 83 - Art: made w/plants, materials derived from them, frames, etc.

INTERMEDIATE

1st Brita Miller Art

Palomar Cactus & Succulent Society

The North San Diego County C & S Club!

Membership Application

Membership: Please ☐ a category

New Member **OR** 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 _____

MEMBERSHIP DIRECTORY - Please ☐ which, if any, we may include:

_____ Phone # _____ Email _____ City _____ OR _____ None

Forms available at meetings, just bring a check or cash to a meeting, or print one out and mail it in.

Make checks payable to PCSS.

Credit cards accepted at meetings.

Palomar Cactus & Succulent Society or PCSS

P.O. Box 840, Escondido, CA 92033

Palomar Cactus & Succulent Society

BOARD OF DIRECTORS

Peter Walkowiak – President

Brita Miller – Vice President, Meeting Set-up & Take Down, Show Chair, Event Coordinator, Volunteer Coordinator, Librarian,
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John Barkley – Treasurer

Annie Morgan – Secretary, Program Chair, Publicity, Website, Gift Plants, Business Cards, FB admin., Newsletter Editor (paid position)

Francis Granger – Board Member, Member/Guest Ambassador

Mike Nelson – Board Member, Brag Table Points

* * * * *

OTHER VOLUNTEERS

Vicki Martin – Co-Librarian

Richard Miller – Membership

Kevin Smith – Brag Table

Bruce Barry & Sandy Wetzel-Smith – Refreshments

Brian Magone – Exchange Table

Lorie Johansen – Guest/New Member Ambassador

Chet Reed – Brag Plant Photographer

Russel Ray – Event Photographer, Videos

Nell McChesney – Name Tag Drawing Plants, Membership Table

Libbi Salvo – Meeting Set Up

Cash Register at Monthly Meetings – Dennis Miller

2018 PCSS

Meeting Schedule & Plant of the Month

November 17th

- Woody Minnich
- The New, Rare & Seldom Seen Cactus of Mexico
- ~ Mammilarias - straight & hooked spines

December 8th

- Holiday Party!!!
- ~ **NOTE DATE CHANGE**
- ~ Gift Plants Galore for You!

SOUTHERN CALIFORNIA EVENTS

San Gabriel Cactus & Succulent Society Show & Sale ~

Was 11/10 - 11/2018 - rescheduled for January 12th & 13th

9 – 4 both days, LA County Arboretum, 310 Baldwin, Arcadia,
Info: Manny Rivera 626-780-6957



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