

VOLUME 58 • NUMBER 04 • APRIL 2023



# ESPINAS Y FLORES

ASTERIAS • BRAG TABLE RESULTS • SUMMER SHOW INFO & more!

NEWSLETTER OF THE SAN DIEGO CACTUS & SUCCULENT SOCIETY  
AN AFFILIATE OF THE CACTUS AND SUCCULENT SOCIETY OF AMERICA





**ON THE COVER**

Icy agaves at Rain Shadow Succulents  
 Photo © Matt Maggio,  
 used here with help from Kelly Griffin

**TABLE OF CONTENTS**

President’s Message pg 3

April Speaker, Pre-meeting Speaker & Workshop pg 4

Member section pgs 5 - 6 • Plant of the Month pgs 7 - 12

2023 Winter Show Results & Recap pgs 13 - 21

Upcoming Society & Affiliate Events pg 22

**SDCSS SCHEDULE**

Our next event:  
**April 8<sup>th</sup>**

Next upcoming meeting:  
**May 13<sup>th</sup>**

**EXECUTIVE BOARD**

<b>President</b>	Pam Badger
<b>Vice President</b>	Chris Miller
<b>Secretary</b>	Olga Batalov
<b>Treasurer</b>	John McCann

**DIRECTORS**

Pat Bryan, Candy Garner, Jerry Garner, Jen Greene,  
 Kelly Griffin, Dean Karras, and Jared Petker

**COMMITTEES & SUB COMMITTEES**

<b>Conservation</b>	Herb Stern
<b>Brag table</b>	Denise Huntsman-Griffin & Susan Hopkins
<b>Plant of the Month</b>	Pam Badger
<b>Summer/Winter Show</b>	[open]
<b>Historian</b>	Jerry Garner
<b>Grants</b>	Jerry Garner
<b>Library Committee</b>	Luis Gonzalez
<b>Exchange Plants/Seeds</b>	Michelle Heckathorn
<b>Annual Sales</b>	Chris Miller
<b>Auction &amp; Holiday Plants</b>	Kelly Griffin
<b>Show Auction Manager</b>	[open]
<b>Monthly Plant Sales</b>	Chris Miller
<b>Benefit Drawing Table</b>	Allen Clark & Chuck Ramey
<b>Programs</b>	Kelly Griffin
<b>Reception</b>	Susan Hopkins & Candy Garner

<b>New Member Orientation</b>	Patricia Bryan & Jay Crowley
<b>Monthly Regalement</b>	Sandy Wetzel-Smith
<b>Picnic Regalement</b>	[open]
<b>Coffee in the Garden Coordinators</b>	Julie Dixon & Chuck Ramey

**LIAISONS**

<b>Balboa Park Desert Garden</b>	Susan Hopkins
<b>CSSA Affiliate Rep</b>	Rick Bjorklund
<b>SD Botanic Garden</b>	Phyllis Flechsig
<b>SD Botanic Foundation</b>	Lynn Elliot
<b>SD Floral Association</b>	Jeanette Dutton
<b>SD Zoo Safari Park, Baja &amp; Old World Gardens</b>	May Fong Ho
<b>Palomar CS Society Liaison</b>	Brita Miller

**MEMBERSHIP, BUSINESS, & PUBLICITY**

<b>Membership</b>	May Fong Ho
<b>Business Manager</b>	Donna Roden
<b>Newsletter Editor</b>	Der-shing Helmer
<b>Webmaster</b>	Jared Petker
<b>Publicity</b>	Christie Lathrop

**CONTACT SDCSS**

membership@sdcss.net

**CONTACT EyF EDITOR**

eyf.editor@gmail.com

Opinions expressed in articles and editorial comments are solely the opinions of the author or the editor, and do not necessarily represent the opinion of the SDCSS, the board of Directors, or the organization as a whole. All material submitted to the *Espinas y Flores* for possible publication may be edited in form and content and shared on the club’s social media with attribution. All material contained in the *Espinas y Flores* may be reprinted by other non-profit organizations unless permission is expressly denied in a note accompanying the article. Reproduction in whole or part by any other organization without the express consent of the editor is prohibited.

# PRESIDENT'S MESSAGE

**G**reetings! Well, we have had a few Spring-like days, though as I write this, another storm is blowing through—it has been a cold, wet Winter. My tortoises are up and about after their 6 month hibernation, lizards are everywhere and a nest of hummingbirds in my yard are half grown, so I know Spring is actually here, though I'm still looking for some warm weather.

Thanks to all who attended the March meeting—it was a good one! **Jen Greene** did a wonderful job at the pre-meeting workshop teaching us how to grow from seed, and I had fun sharing my fascination with Tylecodons and Cotyledons in Plant of the Month. *Update: I am just finishing up a new garden featuring Winter-growing plants—including several Tylecodons—and noticed many of them are starting their bloom cycle!* I hope you are planning to attend our Mini Garden Tour on April 1 so you can see how they are doing.



The brag table was quite interesting, and judged by our main speaker, **Woody Minnich**. There were a lot of fantastic plants in the intermediate and advanced categories, though the novice category was a bit light. The Brag Table is a great place to practice showing your plants and get tip from the experts, so please, bring in a plant or two for the next meeting—you can win Plant Bucks! Woody also gave a great talk, as usual, accompanied by his wonderful photography. Thanks again, Woody, for an educational presentation. **Chuck Ramey** has been doing the Benefit Drawing and had a nice and eclectic group of plants for the drawing. I actually won a cool little plant for my new garden... thanks Chuck! I hope everyone is enjoying the plant exchange, it is a good opportunity to pick up something for your garden. Thanks as well to **Michelle Heckathorn** who manages this table every meeting!

Our April meeting is shaping up to be a good one! If you have never been to a presentation by **Guillermo Rivera**, it is not to be missed. **Dean Karras** is doing a workshop on repotting and staging plants, and **Jen Greene** will talk about Astrophytums for our Plant of the Month. Of course, there will also be a Benefit Drawing, plant and pottery sales, the library, and the exchange table so mark your calendar for April 8.

See you all on the 8th at the meeting!

*Pam Badger*

March 21, 2023

## SHARE YOUR PASSION!

Have you ever read the *Espinas Y Flores* Newsletter 'Plant of the Month' article and thought - "I could do that!" Why not participate by writing a piece for our **Plant of the Month** feature?

Pick a genus or species that interests you, do a little research, find or take a few pictures and create an article to share with the club!

Contact Pam Badger: [pambad1@mac.com](mailto:pambad1@mac.com)

## SDCSS ONLINE

FACEBOOK:

[www.facebook.com/sdcss](http://www.facebook.com/sdcss)

TWITTER: [SanDiegoCactus](https://twitter.com/SanDiegoCactus)

INSTAGRAM: [#sdcss](https://www.instagram.com/sdcss)

WEBSITE: [www.sdcss.net](http://www.sdcss.net)

## SDCSS APRIL SPEAKER



Join us **Saturday, April 8th** for our awesome guest speaker: **Guillermo Rivera: “Diversity of Cactus in Central Brazil.”**

### Our Speaker Topic:

The presentation will focus on the variety of cacti from Central Brazil, particularly the states of Minas Gerais and Bahia. The habitats of Cerrado, Caatinga, and Atlantic Forest are well represented in these states, allowing for a great diversity of many Brazilian genera of cacti: *Uebelmannia*, *Micranthocereus*, *Melocactus*, *Pilosocereus*, among others. A journey of over 4000 km—worth the drive!

**About Our Speaker:** Born in Argentina, Guillermo Rivera is the owner of Plant Expeditions (formerly South America Nature Tours), a company dedicated to the organization of tours for the last 17 years, throughout South America (Chile, Argentina, Brazil, Peru, Colombia, Bolivia, Ecuador), Mexico and South Africa, Madagascar, and Namibia, with emphasis on plants: bromeliads, orchids, cacti, and other succulents. A former researcher at the University of Cordoba, Argentina, Guillermo holds a BS degree in Biology from the University of Cordoba, an MS Marine Biology from Northeastern University, and a PhD in Botany from the University of Cordoba.

For the rest of 2023 we are scheduled to travel to Baja California, Ecuador, Peru and Chile-Argentina. In 2024 we return to Socotra, Namibia, Brazil, and South Africa! If you wish to be kept informed about our future trips, please send email to Guillermo ([info@plantexpeditions.com](mailto:info@plantexpeditions.com) or [plantexpeditions@gmail.com](mailto:plantexpeditions@gmail.com)), or visit the website: [www.plantexpeditions.com](http://www.plantexpeditions.com).



**See you at the meeting!**

## PRE-MEETING WORKSHOP & PLANT OF THE MONTH

Join us at **11am** for the April **pre-meeting workshop** featuring board member **Dean Karras** with his advice and demonstration on when and how, and with what tools to repot your plants for staging!

This month's **Plant of the Month** will be ***Astrophytum***, presented by **Jen Greene**. Read Jen's article in this issue!



## MEMBER SECTION



## SAN DIEGO ZOO SAFARI PARK OPEN GARDEN

As many of you know, San Diego Cactus and Succulent Society has been a major force behind the Old World Succulent and Baja gardens at the Safari Park. Volunteers from SDCSS and the Palomar Society have maintained and expanded the plant collections in these gardens for over 40 years. Every few years we are invited to an Open Garden event to experience these extensive gardens.

On **Friday, April 28** we will be doing this for the first time since the pandemic! We have been gifted 75 free tickets to the park for that day, and the folks who volunteer will be available to show us arounds, answer questions, and share the new developments. At the April meeting we will be taking sign-ups (if you have a Zoo membership you can attend with your card) and arranging car pools for those interested. If you are interested in attending but can't make it to the April meeting, contact me at [pambad1@mac.com](mailto:pambad1@mac.com).



## MEETING SNACKS?

*Members with last names beginning with M-Z are encouraged to bring snacks to the April meeting.*

We all enjoy having some treats during the break at the meeting. Thanks to all have been bringing in goodies. I have heard comments that the table is often heavy with sweets, so I am challenging folks to bring a bit more variety! Thanks!

**PAM BADGER**

## PLEASE RETURN YOUR LIBRARY BOOKS!

Looking for Steven Hammer's book on Lithops or Philippe de Vosjoli's Guide to Growing Pachycaul and Caudiciform Plants, but when you come to a meeting you leave disappointed because the books haven't been returned? The SDCSS Library is here to support everyone's love for cactus and succulents. Please return your books in a timely fashion so others get a chance to enjoy them. We'd rather not have to impose fines so let's keep books circulating. We will be conducting an inventory of our book cases this Summer. Thanks for your cooperation and support in keeping our library resources available to all.

**LUIS GONZALEZ**



## MEMBER SECTION

### FROZEN FANTASY!

**Matt Maggio** at Rain Shadow Designs photographed these in-ground succulents after a recent freeze! Thanks to **Kelly** for getting permission for the Newsletter to share these great images with the club.





## PLANT OF THE MONTH FEATURE

# ASTROPHYTUM ASTERIAS

## Growing the Sand Dollar Cactus

by Jen Greene



These small little cacti are extremely popular for how small they stay and their complete lack of spines. They grow in a single, small globe shape, with their growing and blooming season in summer. Grown well, they are rarely more than 3" tall, and can get as wide across as 6". Their care is straightforward on the surface, but many growers find them surprisingly challenging to grow.

### POTTING YOUR ASTROPHYTUM ASTERIAS

These small cacti need small pots, but not too small – generally only slightly larger than the cacti are around. The pot should be taller than you might expect: the asterias grown on their own roots can have a

surprising amount of roots, with a main tuber or tubers of tap root that are thick and turnip-like. I have the best success with mine in simple 4" plastic pots, or similarly sized terra cotta pots. My oldest plant is in a 6" azalea pot, and last I repotted it, the roots had completely filled the pot! I recommend trying to stay smaller if you can, however, as the plant in the larger pot is overgrown. The soil must be very porous and well-draining. I prefer to mix a good pre-made succulent soil mix with about 50% pumice – the pumice doesn't float to the top of the pot like perlite tends to, and ensures a nice airy mix that the roots love. If you are a chronic overwaterer, consider increasing the pumice ratio even further, up to 75%.



## PLANT OF THE MONTH FEATURE



Jen Greene

### WATERING YOUR ASTERIAS

The trickiest part of growing these is watering, which is heavily influenced by how you have them potted. The more organic material in your mix (such as pure miracle grow, for example), the less often you should water, while more inorganic material (such as pumice) means you can water more often. They need far less water than you might think, and in my experience, this is the hardest part of growing them. In summer, their active growing season, watering can be regular but should not be often. The pictures of plump, round asterias you often see? Typically overwatered or young plants. Well loved, well-cared for asterias are prone to dying young (according to the internet), and to extend their life, a bit of benign neglect is ideal. Water sparingly during the months with nights above 50F, watching carefully for the cactus to show signs of deflating somewhat, or getting a starfish-like shape. This is an indication that it's using internal water reserves and is ready for a drink. If you're in a mild microclimate, this may be as little as once a month! That's okay. In winter, while nights are below 50F, avoid watering at all. If growing outdoors, bring under eaves or sheltered so that the cactus doesn't get rained on. If you have a particularly warm day or few days in a row, a light sprinkle would be appreciated by the plant, but don't sweat if you miss it.

### SHOULD YOU FERTILIZE YOUR ASTERIAS?

The less organic material in your soil mix, the more fertilizer you should expect to provide your *Astrophytum asterias*. That being said...they don't need much! I've seen the most consistent blooming and robust growth with a balanced 1:1:1 fertilizer at half strength used about once a month. I grow mine in a greenhouse, and during peak summer weeks when the greenhouse is over 115F every day, I may fertilize as often as once a week! I don't do this for more than a few weeks, however, and it's important to note I use a highly inorganic mix with my cacti. I offer more fertilizer in high temperatures and long summer days as that's when the cacti use the nutrition most! If you are growing in more typical patio or outdoor conditions, fertilizing once a month during summer is more than enough. In winter, you shouldn't be fertilizing them at all, because you shouldn't be watering them! If you do provide a light winter spritz for unusual warm stretches, you shouldn't include any fertilizer when you do so.



Jen Greene



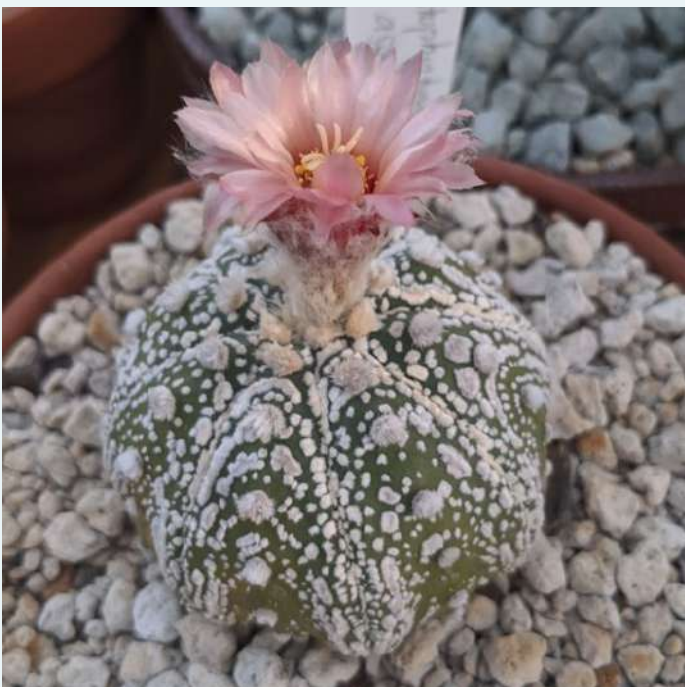
## PLANT OF THE MONTH FEATURE

### LIGHT EXPOSURE FOR ASTERIAS GROWTH

Depending on the high temperatures where you keep them, the light preferences for this cactus vary. In cloudy or mild coastal areas, you can keep them in pretty much full sun and see good growth, with some sun-stress darkening of deep green or even reddish-brown blushing. The further inland you go, the more likely you are to need to provide shade during the hottest part of the day, or risk scorching. Typically, the concern is over too little light rather than too much. These are not well suited for indoor growing unless you're able to keep them in a south facing window, and are willing and able to provide supplemental lighting when the sun is not in view. It is certainly possible to grow them indoors – many in colder climates do – but here in San Diego, if you have the opportunity to grow them outdoors in nearly full sun, they will do much better for it.

### POLLINATION, SEED COLLECTION, & GERMINATION

While these can be relatively short lived for a cactus, one of the most delightful aspects of growing them is how easy they are to breed and grow from seed! The easy nature of pollinating and germinating seeds, and that they reach flowering size within 3 to 5 years, makes them ideal candidates for selective breeding for unique characteristics.



Jen Greene

### POLLINATING YOUR ASTROPHYTUM ASTERIAS

These little cacti start blooming in spring, and can continue through summer if kept watered (but not overwatered!). You'll need at least two to get fertile seeds. The flowers are 'perfect', as in they have both male and female parts, but they can't fertilize themselves. I use a paintbrush to dust pollen from one flower to another, repeating at least once a day while the flowers are open, sometimes two or three times during midday to get as complete a pollinated flower as possible! Repeating the pollination effort an hour or two after first dusting pollen is a trick I learned from a club workshop pre-COVID; many cactus flowers become more receptive to pollination after being initially stimulated. Some growers see success by using tweezers to grab the tiny stamens from one flower, and placing them on the stigma of the one they intend to pollinate. This has worked for me as well, but my entirely arbitrary personal preference is to use a paintbrush.

### COLLECTING AND PREPARING SEEDS

I will be the first to admit I can't remember how long it takes for my pollinated flowers to become seed pods, but I want to say it's as quick as a month or two. You'll know they're ready when a gentle wiggle or tug dislodges the fruit. With practice, you'll get an eye for seeing that they've ripened without even needing to tug on them. Ripe fruits range from a greenish hue to gray-red, and the seeds are big, glossy little nuggets within. I find it easiest to collect them by opening up the fruit, and scraping out the flesh within onto a paper towel. I let them dry, and then use tweezers to carefully pick them up afterwards for sowing. If you're as forgetful as I am, using the paper towel to dry them also means you can write what the seeds are directly on it! When dry, the seeds can be carefully scraped off into a paper envelope, and kept for a year or more. Longer periods of storage tend to result in lower germination rates, but even my 2 or 3 year old seed has tended to germinate at 50% or better.

### SOWING YOUR SEEDS

To grow *Astrophytum asterias* from seed, you'll need appropriate soil, and ideal conditions for the young plants. I use a mix that is nearly identical to my regular potting mix, with 50% pumice as the base. I add 25%



## PLANT OF THE MONTH FEATURE

succulent mix, and 25% houseplant potting soil, with a scoop or two of decomposed granite into my mixing bucket. I use the houseplant potting soil for the added organic material, and for how well it hangs onto moisture. I typically mix up my soil in a bucket, fill a 2" or 4" plastic pot with the mix, then add a very thin layer of the houseplant soil over the very top. This gives the seedlings a nutrient-rich soil right where their roots will need it, with high humidity and moisture retention, but the bulk of their growing medium is the type of well-draining mix they do best in. Once I have a few pots (typically a tray worth) full of soil, I'll get a large pot of water boiling. I then use a ladle or measuring cup to distribute the near-boiling water into each pot, ensuring all the soil on top has been dampened by the scalding water. This kills most, if not all, of the bacteria or fungi in the soil that can kill the tender seedlings. This is significantly easier if you have a kettle; simply fill it, let it start to whistle, and then pour over each pot. I've heard you can also bake your soil to sterilize it, but this tends to upset my partner and makes the oven smell. As an avid cook, I'd rather cook food than dirt in the oven, but it's up to you! You can similarly microwave your soil, but you'll want to be sure to use a glass container. I find it challenging to sterilize enough soil in an oven or microwave for more than a pot or two of seeds, but it can be done. If you do go this route, you'll still need to thoroughly saturate the soil afterwards. For this reason, I prefer the boiled water method – thoroughly saturated and sterilized in one step. Let the soil cool, and once you can comfortably stick a finger in the dirt and it's at most, warm to the touch, you can begin sowing! If you're a very diligent, perfectionist type of seed-sower, you can use tweezers to diligently place each seed. I am more of a chaotic type, and tend to simply use my fingers to sprinkle the seeds over the surface of the soil. For your initial sowing, you can go fairly dense. I use 4" square pots and will sow 20 – 30 seeds per pot, expecting to re-pot them after the first year. Once the seeds are set on the soil, a light dusting of something to "set" them helps keep the seedlings stable as they first grow. I use a scoop of clean, dry play sand in a very thin layer. If your soil is adequately wet, it'll darken the sand almost immediately. If uncertain, err on the side of too little sand than too much; you should be able to see the soil beneath the



*Cultivar "Super Kabuto V-type"*

Alex Gonzalez

sand, or even see spots of soil through the sand due to how thin the layer is. Last, my favorite method for creating a humidity chamber is to cut a piece of Saran Wrap and use scotch tape to keep it taut over the top of the pot. This is a crucial step that is important not to skip! The seedlings need high humidity to germinate. You can also seal the pot in a plastic bag, or cover it with glass, and achieve the same outcome. I've had the best success with Saran wrap, but you may find it easier to use plastic sandwich bags! Experiment until you find what works.

### FIRST WEEKS WITH SEEDLINGS

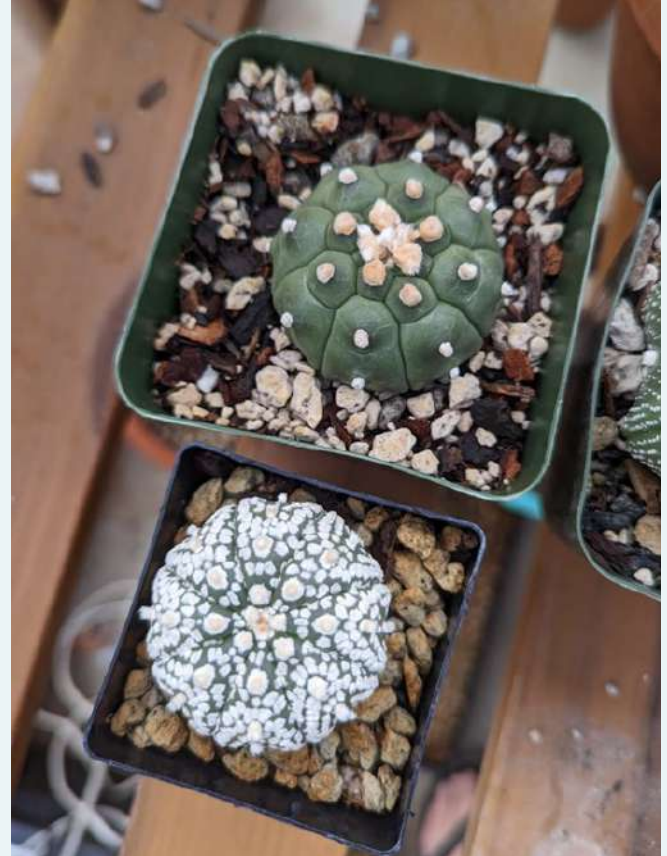
Once you see the first green seedlings sprout, it's crucial to keep them in a very well lit area, but not in direct sun. If the light isn't strong enough, they'll stretch, and struggle to thrive. I use seedling mats to keep my pots warm and start seeds around this time of year. This keeps the pots around 70 – 80F, which they need to germinate successfully. I keep them on the mats until the first tiny seedling leaves give way to the tiny cactus body, and then move them to a similarly well-lit spot. At this time, I



PLANT OF THE MONTH FEATURE



My oldest asterias, purchased in 2016 at about half the diameter  
**Jen Greene**



A 'Super Kabuto' seedling, and an *A. asterias kikko nudum*  
above it  
**Jen Greene**



Cultivar "Hanazono" known for excessive areoles and blooms  
**Alex Gonzalez**



Cultivar "Kikko" (variegated) known for segmented ribs  
**Alex Gonzalez**



## PLANT OF THE MONTH FEATURE

also remove the Saran Wrap covering them. They need to stay moist and consistently watered, but I find leaving the covering on for too long leads to fungal issues. This is the first step to “hardening off” the seedlings. When nights are above 50F consistently, I will move them out to my greenhouse, with 40% shade cloth. For example, seeds I start this weekend (02/26) I can expect to germinate within a week, be off the seedling mat in two weeks, and ready to move to the greenhouse by late March or early April. Without a greenhouse, you can still follow a similar schedule for moving your seedlings to natural light exposure. When nights in your area are regularly above 50F, you can move them out to a sheltered spot that is shaded during the brightest part of the day and protected from rainfall. As they get older and larger, they become more resilient. By 6 months, I generally treat my seedlings as I do the older plants, although I’m more generous with watering. After the first year, they are repotted in spring, and treated exactly as the older plants are.

### CULTIVARS AND VARIETIES

Thanks to the generosity of Alex Gonzalez, we can see a selection of the cultivars and varieties of *Astrophytum asterias* that are available to grow [see [previous page](#)]. His private collection is an amazing example of the range of the plants and is directly responsible for how dearly I seek some cultivars! You can see his collection and follow along with his growing at [@cactusupdate](#). [see [cover image](#) as well].

From Alex: “Here in Tucson I grow them in 75/25 pumice/compost and water twice a week in the summer, lightly every other week in the winter. It seems like at least one dies every winter but that seems to be the way of the *asterias* with everyone I know who grows them. They really are delightful spheres that reward you with generous blooms from spring to fall!”

**JEN GREENE**



*Cultivar “Ooibo”, known for oversize areoles*

**Alex Gonzalez**



# MARCH 2023 BRAG TABLE WINNERS GALLERY

SDCSS members came through and shared lovely winter plants at the March Meeting's Brag Table, judged by Woody Minnich!

Thanks for participating in the brag table! Remember, we have a Brag Table every meeting. Novices have a great chance of winning club bucks, so why not give it a try? We'd love to see your plants!



BRAG TABLE: NOVICE SUCCULENT



1st: *Aeonium arboretum* 'Atropurpureum'

Lien Lieu



2nd: *Euphorbia tortirama*

Jared Petker



3rd: *Sempervivum* hybrid

Lien Lieu



BRAG TABLE: INTERMEDIATE SUCCULENT



1st: *Haworthia cuspidata variegata*

Chuck Ramey



2nd: *Dudleya virens ssp. hassei*

Jen Greene



3rd: Aloe 'Princess Jack'

Chuck Ramey

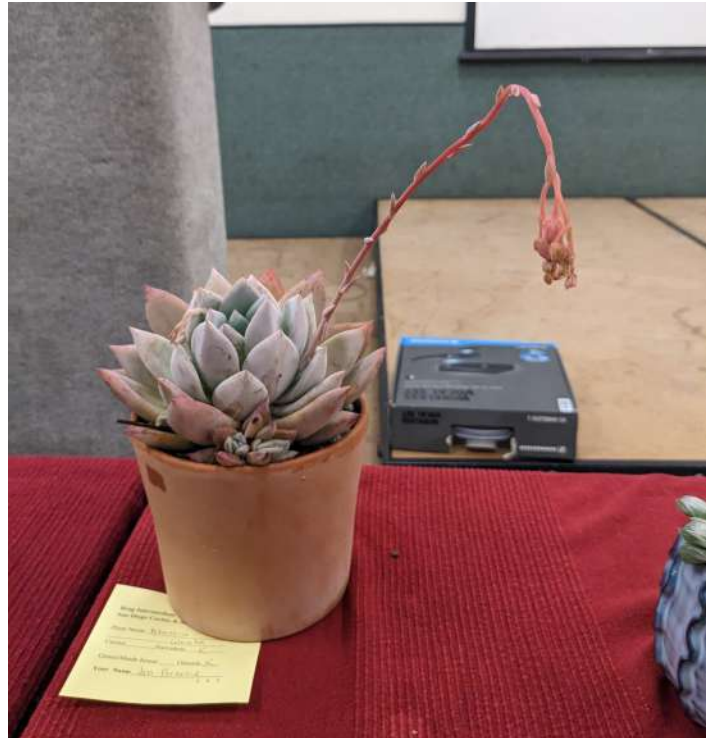


BRAG TABLE: INTERMEDIATE SUCCULENT



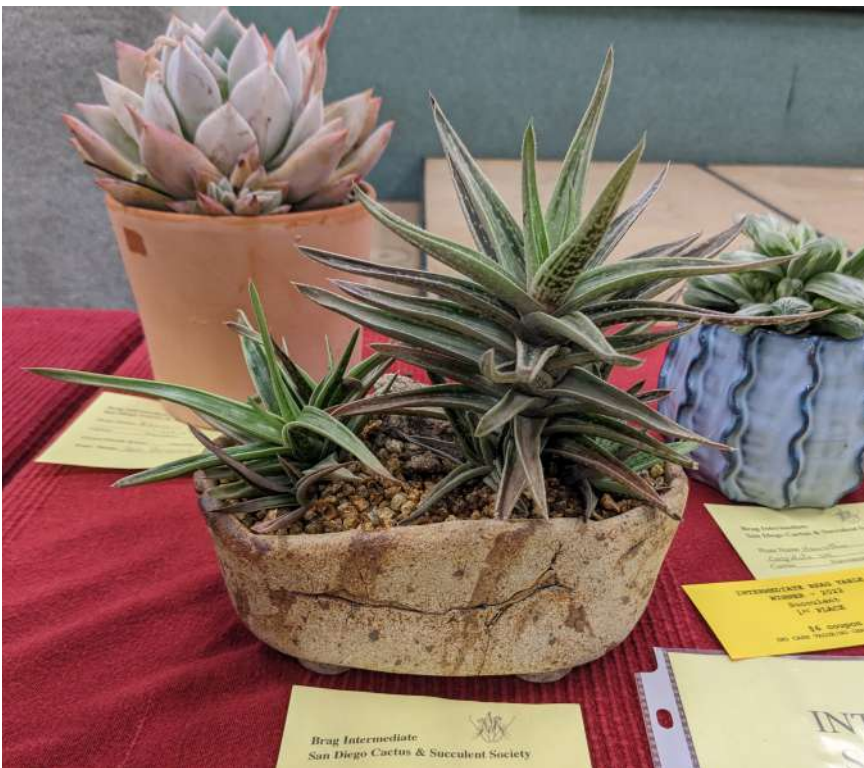
*Huernia bayeri*

Jen Greene



*Echeveria colorata*

Jen Greene



*Gastraloe* cv 'White Wings'

Chuck Ramey



*Lithops aucampiae*

Peter Hagopian



## BRAG TABLE: ADVANCED SUCCULENT

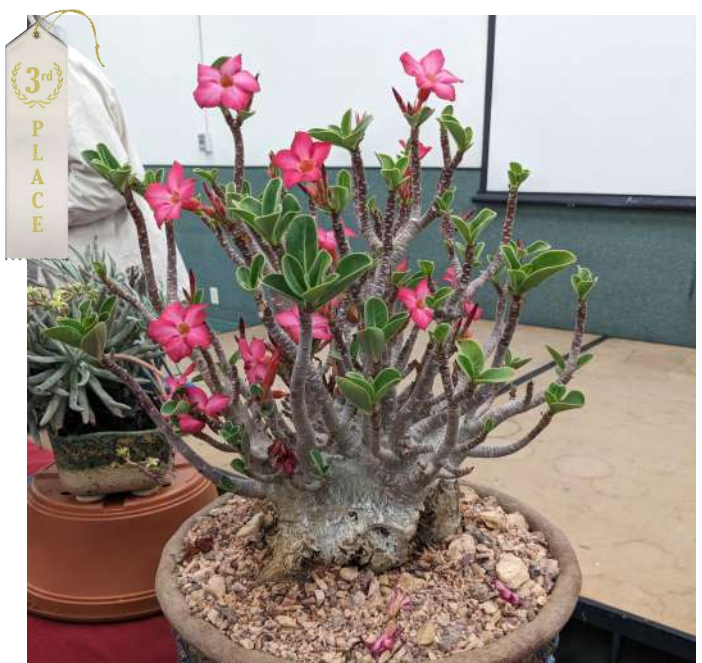


1st: *Pachypodium densicaule* (*densiflorum* x *brevicaule*)

Peter Walkowiak



2nd: *Euphorbia flanagani* x hybrid Peter Walkowiak



3rd: *Adenium arabicum compacta*

Peter Walkowiak



BRAG TABLE: INTERMEDIATE CACTUS



1st: *Notocactus buiningii*

Jen Greene



2nd: *Mammillaria spinosissima f. rubrispina* Chuck Ramey



3rd: *Gymnocalycium monvillei*

Peter Hagopian

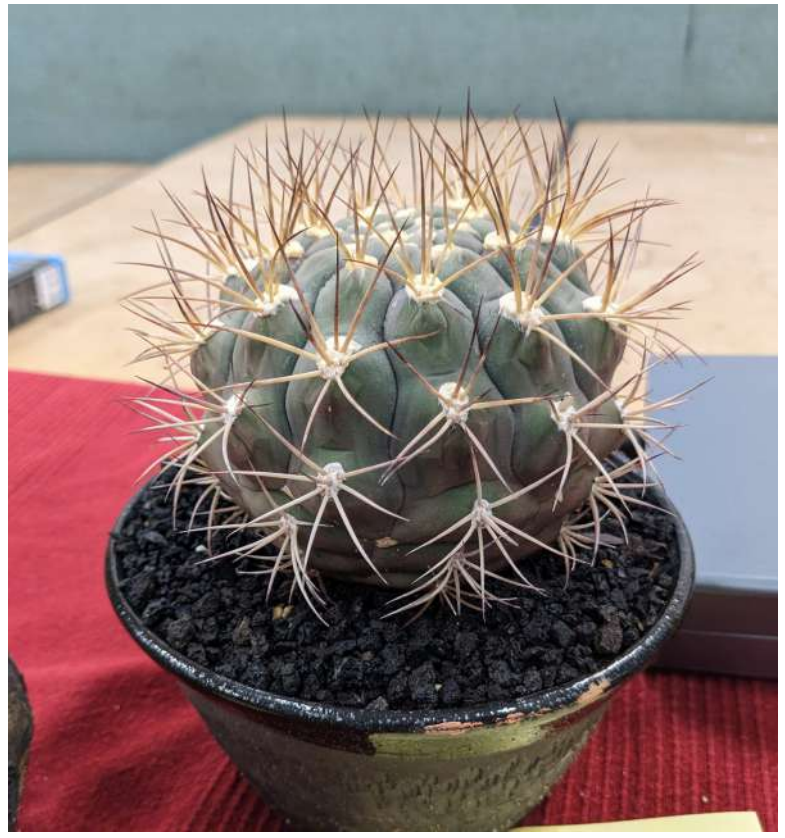


BRAG TABLE: INTERMEDIATE CACTUS



*Stenocactus* sp.

Peter Hagopian



*Gymnocalycium pflanzii* v. *albipulpa*

Jen Greene



*Gymnocalycium amerhauseri*

Jen Greene



*Gymnocalycium bodenbenderianum*

Peter Hagopian



BRAG TABLE: ADVANCED CACTUS



1st: *Echinocereus coccineus*

Peter Walkowiak



2nd: *Gymnocalycium vatteri* Peter Walkowiak



3rd: *Neoporteria multicolor* Brian Shepherd

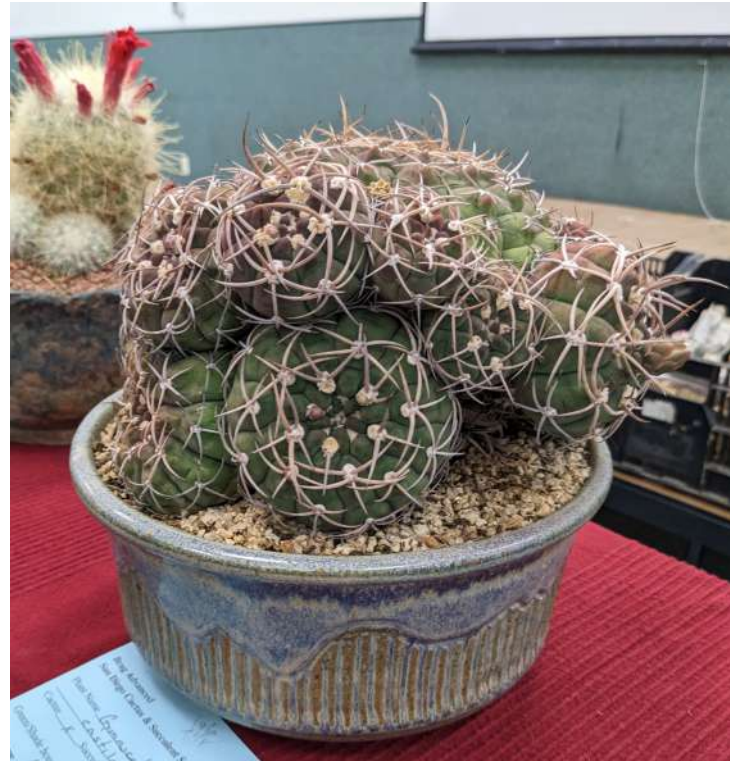


BRAG TABLE: ADVANCED CACTUS



*Mammillaria senilis*

**Peter Walkowiak**



*Gymnocalycium castellanosiifulticolor*

**Peter Walkowiak**



*Gymnocalycium andreae*

**Peter Walkowiak**



UPCOMING SOCIETY AND AFFILIATE EVENTS



*Gates Cactus and Succulent Society*  
*48<sup>th</sup> Annual Sale*

Plant Sale – Friday & Saturday, May 12–13, 2023

Exhibit Show – Saturday, May 13, 2023

9:00am – 4:00pm Both Days

Redlands Church of the Nazarene

1307 East Citrus Avenue, Redlands, CA 92374

**FREE ADMISSION**

Thousands of rare and unusual cacti and succulents for sale.

Learn growing tips from professional growers about drought-tolerant plants.

Unique handmade ceramic pottery for your plants.

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

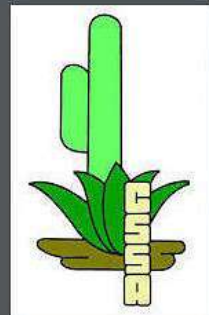
(909) 910-9195



*Cactus and Succulent Society of America*  
*2023 Biennial Convention*

*July 12 to 16, 2023*

*Succulents with Altitude*  
*Colorado Springs, Colorado*



**2023 CSSA Convention in Colorado Springs, CO**

The Colorado Cactus and Succulent Society invites you to the CSSA 39th Biennial Convention in beautiful downtown Colorado Springs, Colorado. The convention is from July 12 to July 16, 2023, with field trips on July 13th. This year we will also feature an optional field trip prior to the convention. There will be excellent speakers, plant and pottery vendors, live auction, and silent auction, local sales area, an opening reception, and awards banquet.