

# Central Spine

Newsletter of the Central Arizona Cactus and Succulent Society



CENTRALARIZONACACTUS.ORG



CENTRALARIZONACACTUS



The outdoor set up for our Annual Mega Auction will be similar to last year (above). An email with the event registration link will be sent out the first week of October.

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**Sunday, October 17, 2021**

**Drop off plants: 10 a.m. – noon | Auction: 12 - 2 p.m.**

*First and foremost, please remember that we are guests of the Desert Botanical Garden, and at all times we must follow the safety rules they have established.*

This event is limited to 130 individual CACSS members, including volunteers. This event is not open to the public. Capacity will be monitored at all times. An email with the event registration link will be sent out the first week of October. Please do not make a reservation if you think that you might not be able to attend.

All activities will be held outdoors in Boppart Courtyard. Be prepared for the day's weather.

You may park behind Dorrance Hall and drop off plants between 10 a.m. - noon. After dropping off plants, you need to immediately move your vehicle to the main parking lot.

All participants must be wearing their CACSS badge. A greeter will be stationed before entering Boppart Courtyard to check your name off the guest list and provide you a bid paddle. You will use this number in place of your name when placing bids during the Silent Auction. We request you bring something to write with.

All walkways past the plant tables will be one way and clearly marked. Please do not linger in front of any plants. After placing your bid, please keep moving so that others may come and look at the plants and maintain a respectable social distance. You may return to check on your bid after exiting the bidding area.

During the Live Auction, all participants must maintain a respectable social distance. There will be seating available should you want to sit and rest.

After the auction ends, please wait until our volunteers use a highlight marker to indicate the winner. You may then collect your plant and bid sheet and proceed to the cashier.

Credit/debit cards will be the preferred method of payment, however, cash and checks will be accepted.

Plant donations will be accepted. If you wish to donate plants, you can drop them off at the DBG that day and depart and not be counted in the participant total. Reach out to us on Facebook or via email and you will be contacted. There will be no free plants at this event.

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#### PURPOSE OF THE CACSS IS TO:

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- study, propagate and cultivate cactus and succulents
- educate members and the public
- aid conservation programs
- support the Desert Botanical Garden and similar institutions

Gone are the oleanders, the palms and anything else that “didn’t belong.” Gone is the layer of plastic just under the surface. Time to landscape. Having the good fortune to be a member of CACSS, I was able to participate in numerous rescues that afforded me many beautiful specimens.



A Lutheran church, on Lincoln Drive, contacted the club because it was expanding its parking lot and several saguaros were in the way. I was able to harvest three saguaros: one single spear and two double spears (left). These three have grown vigorously and now command a stately presence in our backyard. After sixteen years, the tallest one has several arms and is now the home to birds that we often watch coming and going from the nest they built.

When Verrado was being developed twenty-five miles west of Phoenix, literally thousands of barrel cacti and saguaros were in the way as streets and homesites were carved out of the desert. I borrowed a truck and trailer from work and harvested about fifty barrels. Twenty-five came home with me and twenty-five went to friends and neighbors. The back corner of our property became known as barrel land.



At a club meeting, I was fortunate to get a small *Stenocereus almosensis* cutting. I liked its growth habit so much that we planted a mesquite tree nearby to encourage its growth with some filtered light. It’s now grown into a sprawling and crawling living jungle.

Bob Torrest was kind enough to give me a cutting from a *Cereus huntingiana* (left), and it has become one of our favorites growing in full sun and exploding with large pink and white flowers. We come out early in the morning to see it in full bloom, full of bees seeking pollen. Another cutting I was able to plant was a *Stetsonia coryne*, and it has grown into a very handsome addition to the landscape.



Two wonderful specimens came from a residential rescue in Glendale. New homeowners were removing all their cacti and planting turf. I harvested an organ pipe (left) and won the drawing for a four cluster golden barrel that many members wanted. Both plants were extremely difficult to transport, but well worth the trouble.

Another rescue adventure was due to a natural gas transmission line being installed north of Phoenix. Markers designating the right of way for the pipeline showed us where we could dig. Terrain was challenging, but I was able to secure a few saguaros and four hedgehogs.

A neighbor was digging a pool and the contractor dug up a large totem pole. How do you transport a good sized totem pole? No problem: I built a sled out of plywood and 2 x 4's and rolled the plant onto the sled. Then I tied the sled to the bumper of the car and drove home. It helped that the plant was just around the block.



The landscape was coming along, but one problem still needed to be solved: where to hold our container plants, many that cannot take full afternoon sun. We had a lovely ramada, but this structure created total shade. Between the ramada and our block wall was ten feet of empty space. A perfect area for container plants, except for one small detail. Our intense Sonoran sun broiled this area. The solution: I bolted 2 x 4's to the top of the block wall and nailed rafters from the ramada to the top of the wall using joist hangers and covered it with 50% shade cloth purchased from Arizona Bag Company (left). The cloth is made of polypropylene, and after 16 years in the sun, it hasn't deteriorated. Display tables were made of salvaged lumber covered with expanded metal (steel with little diamond shaped punch outs). I was good to go. We now enjoy about forty cacti in containers.

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## HELP WITH PLANT PROBLEMS

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The Facebook page has had a number of questions/problems submitted seeking advice with many answers given. There are lots more answers to cactus and succulent problems to be found on the club website [centralazcactus.org](http://centralazcactus.org). Hover over the Newsletter tab, select the Newsletter Indexes and click on that. You'll find help in the Plant and Miscellaneous Indexes for many plant issues, such as a few of the articles below. Once you've found an article you want to read, go back to the Newsletter tab and find the article under the month and year listed at the end of the article title.

- *Agave Treatment to Prevent Snout Weevils* by Tom Gatz, 3/01
- *Where do I Get Started Growing Under Lights?* by Ken Luiten, 6/18
- *How to Stop a Cactus from Rotting* by Sue Hakala, 4/19
- *What Plants Grow in Full Sun* by Lee Brownson, 6/20
- *Fungal Infections of Cactus* (unknown author), 6/98
- *Soils and Pots* by Leo Martin, 2/01
- And so much more

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## DESERT BOTANICAL GARDEN FALL PLANT SALE

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Save the dates October 14-15 for members 7 a.m.-3 p.m., and general admission October 16-17, 7 a.m.-3 p.m. for the fabulous fall plant sale at the garden. Remember that volunteers are needed to help the sale run well.

Hundreds of plants will be available for all levels of gardeners. Pick your perfect sustainable landscape items like cactus, succulents or, new this year, a DBG grown plant to add to your garden. Reserve your time to shop. Horticulture experts will be on-site to help you find the perfect item.

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## PUMICE PILE

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Mark your calendar for the upcoming pumice pile and fertilizer sale. All sales will be from 8-11 a.m. Wait until you get an email from Coordinator Tom Briggs to be sure that the sale is on before each date. **DO NOT GO TO THE LOCATION AT ANY OTHER TIME.**

- November 13
- December 11
- January 8
- February 12
- March 12



Mary Florence Irish, 72, died on Wednesday, August 18, 2021 in San Antonio, Texas. She was born in Austin, Texas on March 17, 1949, to Ed and Amy Kutac. Born on St. Patrick's Day, Mary sealed her fate when she married Gary Irish in 1980.

Mary earned her BA from the University of Texas at Austin and her MS at Texas A & M University. She began her career as an environmental consultant for Dames & Moore, in Houston and New Orleans.

In 1986, Mary and Gary moved to Scottsdale, Arizona where Mary worked as horticulturalist, consultant, teacher, public speaker, and author.

She was the public horticulture specialist at the Desert Botanical Garden for many years.

She was an author of 11 gardening books (see below), including a memoir of her life and garden in Scottsdale titled *A Place All Our Own*, and a large number of magazine articles.

Among her proudest achievements was her work as consultant on the Annenberg Foundation's gardens at Sunnylands, Rancho Mirage, California; serving as president of the board for the Boyce Thompson Arboretum; making a guest appearance on the nationally televised *Martha Stewart Living*; hosting a Saturday morning radio show in Phoenix, *The Arizona Gardener*; being a garden columnist for *The Arizona Republic*, the largest newspaper in the state; and being a member of the editorial advisory board for the American Horticulture Society.

In 2011, Mary and Gary moved to Castroville, Texas, where she directed the plant sales program at the San Antonio Botanical Garden. Mary's passions included her own large personal gardens of unusual plants and vegetables, reading murder mysteries and quilting. She was also an excellent and avid bird watcher.

Mary is survived by her husband, Gary; sisters, Lucy and Richard Jalbert, Amarillo, TX, and Anne Jones, Tyler, TX; three nephews; and five grandnephews.

Mary once described herself for the *Arizona Republic* as "noisy and fun-loving," and everyone who knew her would agree. She had a golden personality loved by all who knew her. One of her friends said, "Mary was one of those people that you had to pinch yourself to believe you were lucky enough to have known."

In lieu of flowers, the family requests memorial donations be made to: Friends of Castroville Regional Park, P.O. Box 173, Castroville, TX 78009. On the check, mention for Botanical Trail Project.

Books by Mary Irish in the CACSS library are listed below. As a gardener who grew plants here in the low desert and thoroughly knew the conditions, they will help make you a better grower.

- *A Place All Our Own*
- *Agaves, Yuccas and Related Plants*
- *Arizona Gardener's Guide*
- *Gardening in the Desert*
- *Month-by-Month Gardening in the Deserts of Arizona*
- *Perennials for the Southwest*

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## PRESIDENT'S MESSAGE

By Cricket Peterson

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Wow! I can't believe it's already October and the October 17 Silent Auction at the DBG is right around the corner. There are going to be a lot of great plants, so bring your money and let's have a great auction. Hope to see you there!

November 21 will be our regular meeting to be held at the Papago Buttes of Brethren Church located at 2450 North 64th Street at 2 p.m. The speaker will be Jason Wiley, director of horticulture at Boyce Thompson Arboretum.

It's already time to start planning for the holiday party that will be held at Papago Park (Ramada 9 and 10) on December 5. If you have ideas for some activities or organizing the party, please see Cricket Peterson, Nick Diomedede or Sue Glenn. Thank you.

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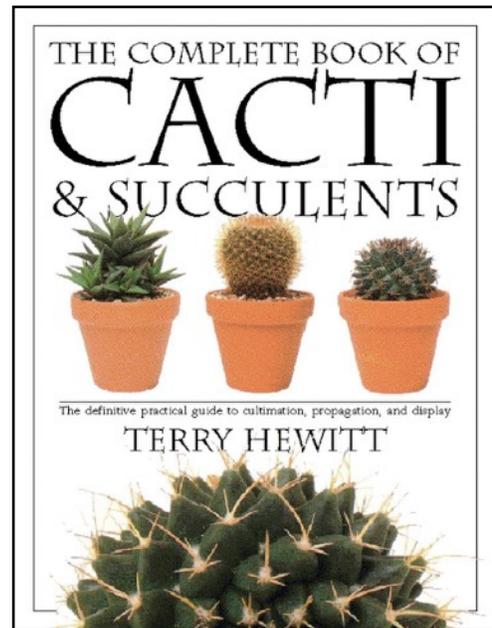
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**BOOK REVIEW: *The Complete Book of Cacti & Succulents* by Terry Hewitt**  
All photos and review by Stephanie Halcrow

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*The Complete Book of Cacti & Succulents*, by Terry Hewitt, is the perfect companion for anyone growing succulents. I first read Mr. Hewitt's book for basic information when I began growing succulents, and I still use it today for inspiration. If you were to have only one book on succulents in your personal library, I would recommend this one.

*The Complete Book* is just that—complete. The book begins with information about what a succulent is as well as where succulents come from. The book emphasizes that all cacti are succulents, but not all succulents are cacti. In general, succulents are highly specialized plants that store water in their leaves, stems and roots. Because of this, succulents can survive long periods of drought. This ability to survive stressful environments makes succulents great plants for beginners. Not only is this background information interesting, it provides the foundation for enjoying and appreciating succulents.



*Aeonium in a pot.*

One of the most useful parts of the book is the plant catalog. Divided into two sections, one on cacti and one on other succulents, the plant catalog is filled with bright stunning pictures of specimens as well as useful information about each individual succulent's ideal growing conditions. I particularly appreciate the information about how large a succulent will grow, depending on whether it is grown indoors or outdoors.

I'll highlight two of my favorite succulents found in the book. The first are *Aeoniums*, which are striking to look at, as they are characterized by colored leaves formed in a rosette at the end of a long thick stem. Even so, in the introductory class I teach on succulents, I don't include *Aeoniums* because I find them fussy. They are particular about their light and water, and they

don't like to be moved. Hewitt must have also loved *Aeoniums* as the book contains a two-page spread on these lovely succulents.

The second plant of note is the *Testudinaria* (below), also sometimes referred to as *Dioscorea*. Specifically, *Dioscorea elephantipes* (elephant foot plant) is a yam family vine from southern Africa with a slow growing caudex (fat, swollen stem) covered in bark that looks like the back of a tortoise shell. This is one of my favorite succulents because I was gifted a 26-year-old *Dioscorea elephantipes* from an aging local grower who was reducing his stock. When you see the photo in the book, I think you'll want to acquire one as well.



Whether you choose to grow an *Aeonium* or a *Testudinaria*, a challenge for many new succulent owners is figuring out the right combination of soil, light and water. Hewitt covers all three. His book also includes directions on how to propagate succulents from seed, cuttings, division, or grafting. I've used his information to improve my own propagation efforts. The book covers the types of equipment one might need to grow succulents and even provides helpful tips on how to decorate your house with succulents.

*The Complete Book of Cacti & Succulents* was first published in 1997. Like succulents, Mr. Hewitt's book has survived the stresses of time and remains the complete word on succulents. It is available in the CACSS library or to purchase online in both paperback and hardcover editions.

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## CANDIDATES FOR THE BOARD

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Nominating Committee Chair Jo Davis and assistant Cindy Capek present the following people for nomination to the board of CACSS. You will receive an email from Tom Briggs who is overseeing our electronic voting process detailing how to vote online. The Society extends a big thank you to outgoing board members: Pam Edsall, Russ Faust, Eric Holst and Lauren Marks.



**VICE PRESIDENT - CHRIS GINKEL** I have been a member of the CACSS for over 10 years, and I have been trying to help the club in many ways since joining. I hope to continue on as a board member to help build upon the success we have had as a society and help guide us through what I see as a bright future.

**SECRETARY - JOANNE JOHNSON** My husband and I moved to Tempe in 1984. We both worked and raised two children. Though we had busy lives, I have been and am currently in the task of the ups and downs of home landscaping. Through the years of trial and error, I have become obsessed with cacti, succulents and desert plants.

I have been a volunteer for VNSA charity book sale since 2002, member of the DBG since 2008, have completed the Master Gardener program in 2015, and been a member of CACSS since 2015.

Since the first meeting, I have felt the positive vibes of this group. Now, I am retired and want to become more involved, so you voted for me as a member-at-large last year. I haven't done much during the COVID era. To become more involved, I hope to be secretary for CACSS.

### MEMBER-AT-LARGE NOMINEES



**PAT ADLER** Having moved from the Midwest to the Valley of the Sun over 45 years ago means I have lived in the Sonoran Desert for most of my life. Even before moving here, cacti and succulents intrigued me. I feel fortunate to live here and enjoy the natural environment. I don't recall when I first joined CACSS—it was many years ago. I appreciate the sharing of knowledge and plants that CACSS provides.

I am also a long-time member of the Desert Botanical Garden and recently the Boyce Thompson Arboretum. I became a Master Gardener in 2012 where I co-chaired two successful Garden Tours. As a CACSS member, I have volunteered for the Annual Show and Sale. In my own community, I chair the landscape committee that has responsibility for the oversight of the landscaped common areas that include both

cacti and desert adapted plants, as well as turf. My Master Gardener education has been valuable in this capacity. I look forward to serving on the board where I will work to keep CACSS a vibrant and engaging entity.



**KIM ANDREWS** As a lifelong gardener who enjoys expanding my experiences with plants, I consider cacti and succulents, along with their environmental adaptations, the most fascinating plants! Membership in CACSS increases my learning about these amazing plants, as well as bonding with others with similar interests. My increasing cacti and succulent collection provides opportunities to share with others.

As a member of Arizona Master Naturalists and Maricopa County Master Gardeners, I have a well-rounded outlook toward our natural environment and the preservation of all plants. After transplanting to Phoenix from Texas with my husband Don Begley, I joined the CACSS in 2018 and have written some articles for the *Central Spine* newsletter. The CACSS board opportunity provides the way to use my corporate management skills to contribute more to the Society's stability and growth.



**DON BEGLEY** I am excited to be a member of CACSS and energized by the passion and enthusiasm of the Society's members. I am driven by a curiosity that feeds my desire to learn. My membership in the Arizona Master Naturalists, participant in the Desert Defenders programs and past Texas Master Naturalist have taught me much and boosted my desire to help protect our environment. Having lived and worked internationally in many different situations and environments, I have gained experience in working with people of wide and varied backgrounds.

I have been a CACSS member since 2018 after moving to Phoenix from Texas with my wife Kim Andrews. As a board member I look forward to contributing to the Society's bright future and influence in the community.

**STEVE GILBERT** No bio submitted

**JOAN MCDONNELL** No bio submitted

**MARY MILLER** I was raised on a Wisconsin dairy farm and learned at an early age gardening and respect for Mother Earth. I was a florist for several years. My husband David and I moved to Tempe in 1985 from the western slope of Colorado. I was immediately fascinated by the vegetation of the Sonoran desert, and it became an obsession. My plant choices are *Stapelias* and *Sansevierias*. Inside, I grow African violets and Christmas cactus. I make a feeble attempt at growing orchids.

I look forward to the opportunity of serving on the board. The energy and education that CACSS has is wonderful and I am constantly learning, thanks to this organization.

I've been living in the Phoenix area for several years and have tried growing cacti and other succulents by trial and error (mostly error). The classes at the Desert Botanical Garden have been very helpful, but joining the CACSS two years ago has given me the confidence that I can grow these plants.



I recently found that I enjoy growing young plants from pups. It all started with the PEG meetings titled, *Annual Agave Extravaganza* that were generously held by Tristan Davis. There were so many different agave pups available—all free and many with no roots. Combined with the pups or plants available on the free table at the meetings, I have a good variety (left).

I'm fairly sure that when I explain how I grow these plants, many experienced gardeners will say it is not the best method. I may be just a lucky beginner, but it works for me (I've lost just one out of over 20). Maybe this will be helpful for new members or anyone willing to try.

First, the location I have to use is on the west side of the house (yes, very bad), but it is shaded by a large tree. The area gets part sun in the mornings and early evenings. The plants are placed on shelves against the house. I also have a few on the back porch (east facing) that only gets sun from dawn until 8 a.m.

The soil I use is a mix: half Tanks Pro Cactus & Succulent Mix (purchased at the DBG plant sale) and half commercial cactus potting mix. I plant the pups in small individual pots with the slightly moistened mixture. I don't water them the first day or two and then just lightly water using a squeeze bottle. The water is either rain water, I collect when available, or from our small koi pond where any chlorine has already dissipated. Since the pots are small, I water them lightly every day during the summer. I began to water them with a watering can, to let the water run through the bottom, once I thought they were established (showing new growth).

It is interesting to see how quickly/slowly each pup began to grow, from the slowest, *Agave victoriae-reginae* and *Agave* 'Royal Spine,' to speedy *Agave desmettiana*, that seemed to grow overnight. The plants I have growing are *Agave*, *Aloe* and *Mangave*. Now there are quite a few plants I can donate to the CACSS auction and to future meetings. I appreciate all that CACSS has to offer and am happy to contribute what I can. One more note, there have been a few meetings where someone has donated small used pots. These are very appreciated (thank you).

The DBG has 25,000 accessioned plants that represent more than 4,400+ species and 400 rare and endangered species in more than 100 plant families. Scientific records are kept on 27,000+ individual plants. It boasts many varieties of cactus, agaves, aloes, and other flora of the Sonoran Desert and deserts of the world.

### CACTUS COLLECTION

The collection have been designated as The National Collection of Cactus by the North American Plant Collections Consortium (NAPCC), now know as Plant Collections Network (PCN) of the American Public Gardens Association.

- Over two-thirds of the total number of species in the cactus family are held in the Garden's collection.
- Eighty percent of the species in the cactus collection are represented by at least one individual of wild origin. This greatly increases the value of the collection for scientific research, as well as for display and education.
- The Garden features the world's most complete collection of the subfamily *Opuntioideae*, displaying 208 of the 261 species and varieties recognized.
- Other major groups in the collection include *Copiapoa*, *Coryphantha*, *Echinocereus*, *Eriosyce*, *Echinopsis*, *Ferocactus*, and *Mammillaria*.

### AGAVE COLLECTION

The collection have been designated as The National Collection of Agave by the North American Plant Collections Consortium (NAPCC) now know as Plant Collections Network (PCN) of the American Public Gardens Association.

- The Garden displays 186 of the 212 known species and varieties in the genus agave, making this the most prominent agave collection in the United States and perhaps in the world.
- Seventy-five percent of the total taxa in the agave family make up the collection.
- More than half of the plants in the collection have known wild provenance and nearly 80 percent of the seeds in the collection are of wild origin, greatly increasing the value of the collection for scientific research, as well as for display and education.
- Other significant collections within the family include *Yucca*, *Furcraea*, *Hesperaloe*, *Manfreda*, and *Hesperoyucca*.

### GARDEN GIRLS

- The DBG had one female founder and one female executive director.
- It has 15 female researchers and scientists with 76 females currently on staff.
- It has one senior research botanist that has collected over 32,734 specimens for the herbarium collection.

## THE HERBARIUM

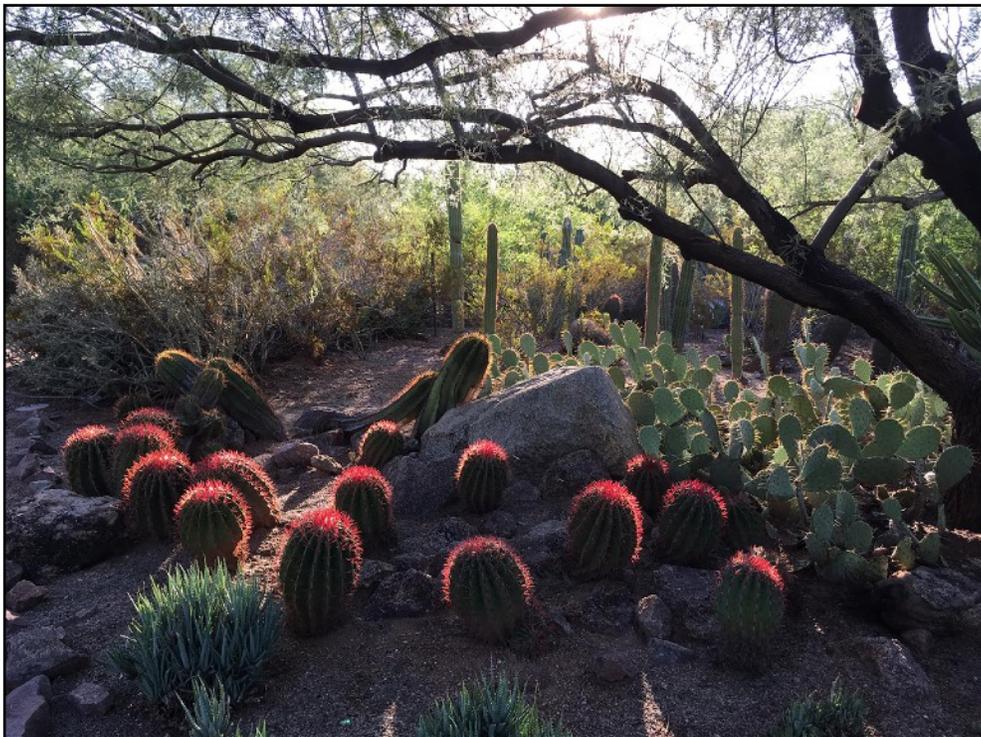
The Desert Botanical Garden Herbarium is the largest herbarium in the state that is supported by a nonprofit institution. It is the fourth largest herbarium in Arizona (behind the three state university herbaria). It holds more than 93,000 accessions in the collection. The accession of the initial core collections was started in the 1950s. In 1972 it was designated as a National Resource Collection.

## SEED BANK AND SEED PHOTOGRAPHY LABORATORY

The Desert Botanical Garden seed bank housed in the Ahearn Desert Conservation Laboratory contains more than 4,000 seed accessions representing some of the rarest plants in the world. The collection is primarily focused on the conservation of desert plants, particularly those of the cactus and agave families. The Garden also works in collaboration with the Smithsonian and the North American Orchid Conservation Center to conserve seeds from the numerous orchid species of the Southwest, some of which are extremely rare. Although seed banking is no substitute for protecting the habitat of these plants, the preservation of their seeds acts as an insurance policy to prevent extinction.

## RARE AND ENDANGERED

The collection has nearly 400 rare, threatened or endangered desert plant species. The Garden maintains 52 rare species as part of the National Collection of Endangered Plants, in cooperation with the Center for Plant Conservation. Additionally, the Garden's seed bank of desert species stores frozen seeds and pollen of rare plants.



*Wendy Barrett took this photo of Ferocactus in the early morning light at the DBG.*

Following are some highlights from this month's Facebook postings. One of my favorite posts this month was from member Fifi Vaslin. Fifi lives in Niort, France and has an extensive collection of *Echinocereus*. Her posting on September 27 showed an absolutely stunning display of blooms from 2021.

CentralArizonaCactus FB members Robert Serrano and Devin Frazee have posted photos many times of their lovely cactus garden in Chandler. It contained many perfectly grown specimens of cactus and succulents.

They recently moved to a new home in Peoria which had very few plants. They couldn't bear the thought of leaving their babies behind, so they decided to move their favorites with them to their new home.

Robert posted many times in September, detailing the intricacies of the move, planting the new garden and construction of a shade house structure from a kit. Excellent posts and photos, thank you Robert!

Eric Lundberg's thoughtful post from September 17 showed photos of two species of cactus which are tolerant of different light levels. The photos showed each plant grown in full sun and low light conditions and their differences in appearance.

You can join the CAC FB page at: <https://m.facebook.com/groups/cacss2/>

Each month a photo of a cactus and succulent posted by a CentralAZCactus member is selected for recognition.



Cactus of the Month: *Cereus jamacaru* posted September 10 by Ronald Souder (left).  
Succulent of the Month: *Adenium* posted August 31 by Linda Branum Hoefner (above).

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## OFFICERS AND BOARD OF DIRECTORS 2021

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**Officers:** President **Cricket Peterson** | Vice President **Eric Holst** | Secretary **Lauren Marks** | Treasurer **Nick Diomede**

**Members-at Large** serving through December 2021: **Tom Briggs** | **Pam Edsall** | **Russ Faust** | **Celeste Gornick** | **Lois Schneberger**

**Members-at Large** serving through December 2022: **Chris Ginkel** | **Emily Glenn** | **Joann Johnson** | **Barbara Macnider**

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## CACSS PROGRAM AND COMMITTEE CHAIRS 2021

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**Annual Show/Sale Chair 2022:** Nick Diomede

**Archivist/Historian:** Lois Schneberger

**Audit Committee:** Mike Gallagher

**Central Arizona Cactus Swap and Shop Page:** Chris Ginkel, Dan Smith

**CSSA Representative:** Mike Gallagher

**Facebook Coordinators:** Chris Ginkel, Celeste Gornick, Ken Luiten, Dan Smith, Thom Young

**Fertilizer Sales:** Eric Holst

**Holiday Party 2021:** Sue Glenn

**Librarians:** Wendy Barrett, Dana Rogers

**Keeping in Touch with Members:** Jo Davis

**Membership:** Beth Kirkpatrick

**Newsletter:** Sue Hakala

**2021 Auction Chair:** Nick Diomede

**Plant Rescue:** Lee Brownson

**Private Plant Sales at meetings:** Sue Tyrrel

**Programs and Room Setup:** Elaine Hu

**Propagation Education Group (PEG):** Tristan Davis

**Pumice Sales:** Tom Briggs

**Refreshments:** Maggie and Amanda Hines

**Website:** Beth Kirkpatrick

**Website Technical Assistance:** Anna Rosa Lampis

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## SPECIALISTS TO CONTACT WITH QUESTIONS

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**Nancy Mumpton**

Librarian for CACSS collection.

**Tom Briggs**

Manages the pumice pile.

**Nicky Davis**

Manages the Seed Depot.

**Tristan Davis**

Specializations include plant propagation, and heading PEG (Propagation Education Group).

**Doug Dawson**

Specializations include growing from seed, flora of Namibia, *Lithops*, other *Mesembs*, *Melocactus*, and miniature cacti and succulents of Arizona.

**Chris Ginkel**

Co-manages the Facebook page along with Celeste Gornick, Ken Luiten, Dan Smith, and Thom Young, and co-manages CACSS Swap and Shop page with Dan Smith.

**Eric Holst**

Manages the fertilizer program.

**Beth Kirkpatrick**

Membership chair, and manages the website

**Anna Rosa Lampis** provides technical support.

**Ken Luiten**

Manages the Instagram page.

**Dean Patrick**

Specializations in softwood stem-cuttings, plant division and seed starting, rooting cacti, *Agave* and *Aloe*.

**Dan Smith**

Specializes in *Adenium*, raising *Adeniums* from seed, grafting and *Adenium* culture in general.

**Bob Torrest**

Specializations include desert landscaping, unusual (including rare fruit) trees and shrubs, *Aloes*, *Agaves*, and columnar cacti.

**Sue Tyrrel**

Manages selling at meetings.

Send comments, suggestions and submissions to Editor Sue Hakala  
[cacsscentralspine@gmail.com](mailto:cacsscentralspine@gmail.com)