

C A C T U S CHRONICLE

M A Y 2 0 2 3

VOL. 91 ISSUE 05

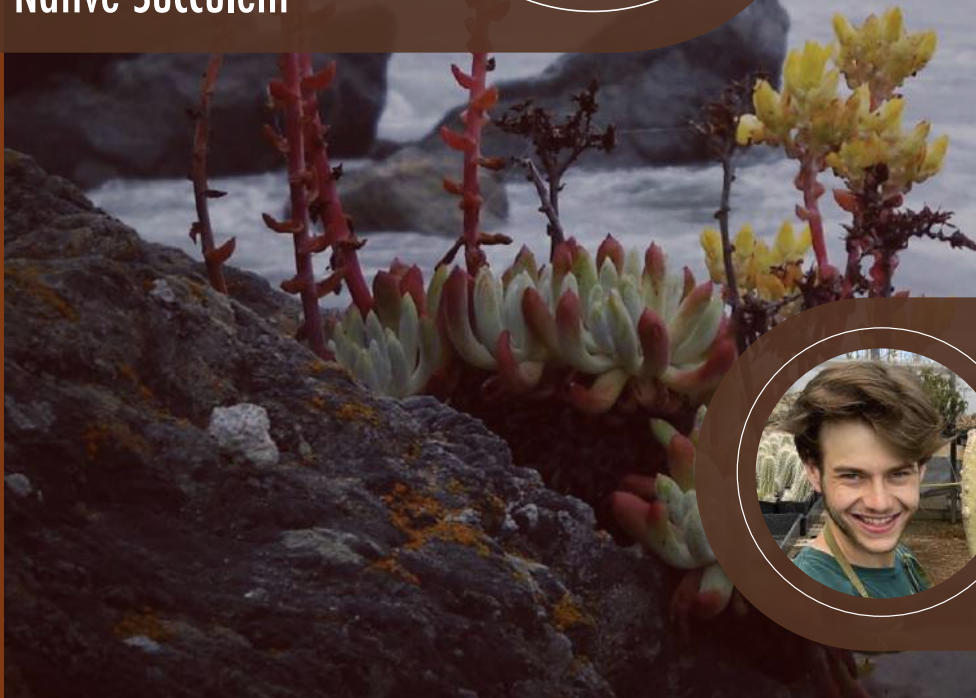
MONTHLY PROGRAM

DEAN KARRAS

Dudleyas
Our Native Succulent



**REFRESHMENTS
THIS MONTH:
LAST NAMES
BEGINNING WITH
'D, E and F'**



ARID PLANTS A-Z

ELI COHEN

Remember to bring in
your problem plants, plant ID
+ special interest plants

MEETINGS ARE HELD EVERY FIRST THURSDAY OF THE MONTH

MEETING START TIME: 7PM, DOORS OPEN AT 6:15PM

ONE GENERATION: 18255 VICTORY BLVD. RESEDA CA.

DUDLEYAS

THIS MONTH'S
PROGRAM

OUR NATIVE SUCCULENTS

Dudleya is a genus of soft succulents that had often been overlooked until a recent explosion of interest in them by succulent collectors and native plant enthusiasts alike. Southern California is their center of geographic distribution and a hotspot of their diversity, although they occur as far south as the tip of the Baja Peninsula, as far north as Oregon, and as far east as the Mojave Desert and Sonoran Desert regions of Nevada and Arizona respectively. In this program Dean will share his field observations of a variety of different species both south of the border and in several US states occupying biomes as diverse as coastal chaparral, low desert, and high elevation pine and oak forest woodlands.

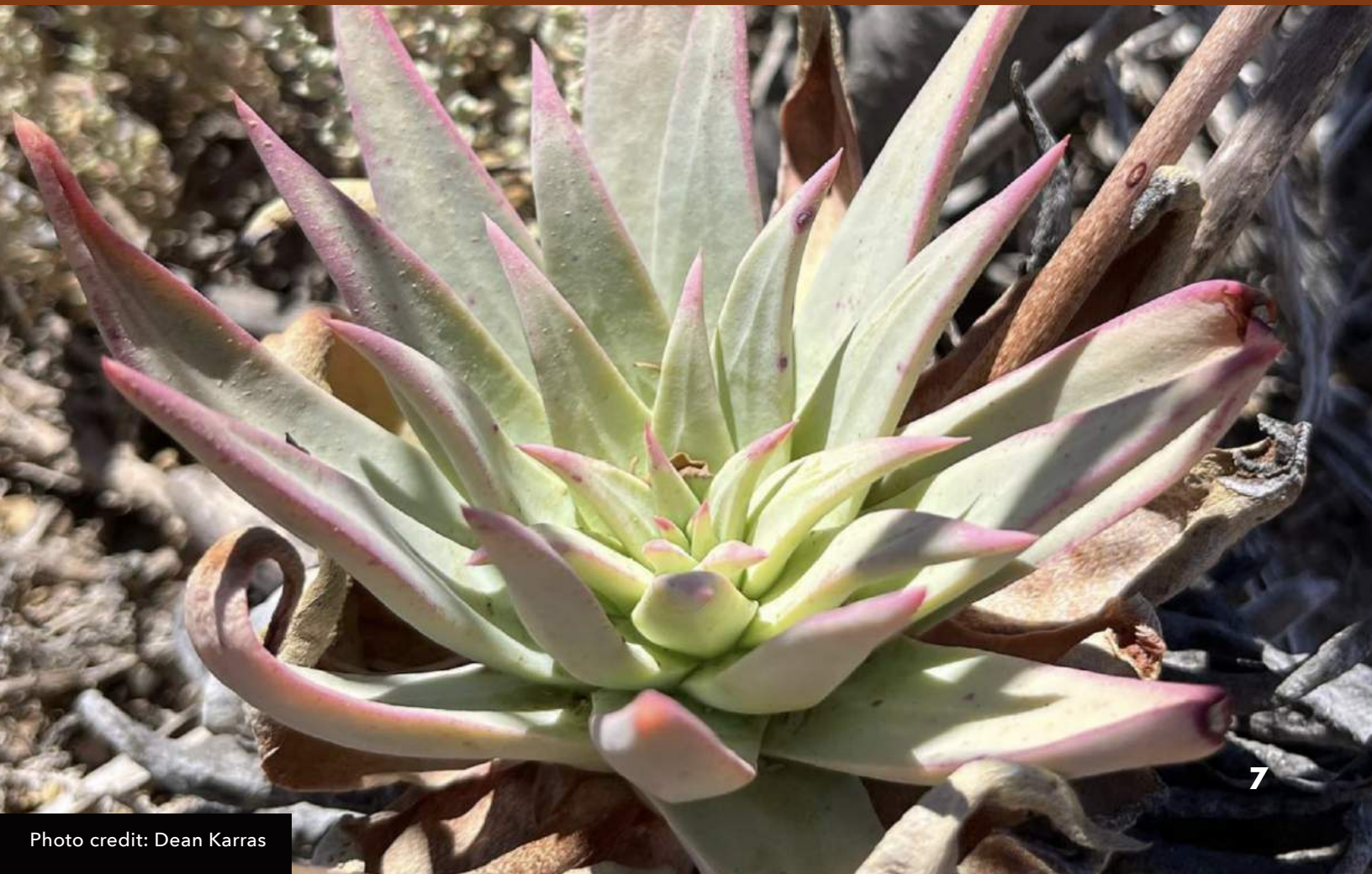




Photo credit: Dean Karras

DEAN KARRAS

Dean Karras began collecting and growing cacti from seed as a hobby in 2008. He has been a member of the Palomar Cactus & Succulent Society since 2017, and a member of the San Diego Cactus & Succulent Society since 2019, where he now serves as Board Member and Show Chair. Some of his favorite succulent genera are: Aloe, Agave, Dudleya, Trichocereus, Echinocereus, Astrophytum, and Ferocactus. Dean is also partial to mesembs, caudiciforms, and xeric bromeliads, although his passion for plants extends far beyond succulents to include organic gardening & permaculture practices, natives, edibles, and ethnobotanically significant plants. He realized his long-standing dream of owning his own nursery to serve the local community when he opened Gnosis Nursery in July of 2020, which he now runs full-time. When not busy propagating and selling plants, Dean can be found exploring and photographing the Desert Southwest and Baja.



GNOSIS
NURSERY

663 CA-78,
Ramona, CA 92065
(480) 363-4460

FROM THE

M E S S A G E PRESIDENT

Hi Everyone,

EXCITEMENT, ENTHUSIASM, EDUCATION, EXHAUSTION

You are thinking that I am talking about my last trip to the DMV... Well, not so much.

Actually, I am referring to our recent Festival. Our first in several years. We felt like we were starting all over again. It was successful in all aspects!! **Kids' Day had over 100 kids in just three hours!** In addition to the usual variety of vendors, we were joined by the dog rescue: Samson's Sanctuary, the "kitchen pail" distribution representatives from Councilmember Nithya Raman's office and the information table for the Sepulveda Basin Vision Plan. Our volunteers performed their duties with diligence and their usual good humor. As an extra bonus, some of the volunteers were first-timers and are now the proud wearers of our famous day-glo t shirt!

A BIG THANK YOU

to all of you who participated in making this a very wonderful event.

It wouldn't be right if I didn't also mention the inside show. This is the best collection of competition plants ever. Every plant could have been a winner. Congratulations to the winners. And another **BIG THANK YOU** to the exhibitors. Geraniums, Bromeliads, and Agaves – oh my. Pleading the last "E" above, I refer you to our newsletter, the "Cactus Chronicle" for details regarding the upcoming events.

See you soon.

Joyce

B O A R D OF DIRECTORS

2 0 2 3

LACSS MISSION STATEMENT

The Los Angeles Cactus and Succulent Society (LACSS) cultivates the study & enjoyment of cacti & succulent plants through educational programs & activities that promote the hobby within a community of fellow enthusiasts & among the greater public.

CO PRESIDENTS

Artie Chavez + Joyce Schumann

PAST PRESIDENT

Kim Thorpe Chavez

1ST VP, PROGRAMS

Ron Behar

2ND VP, PLANT OF THE MONTH

Manny Rivera

3RD VP, EDUCATION

Cande Friedman

SECRETARY

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Nick Steinhardt

DIRECTOR 1 MEMBERSHIP

Kelsey Osterman

DIRECTOR 2 SPECIAL EVENTS

Jim Esterle

CACTUS CHRONICLE EDITOR

Kimberly Gomez-Tong
newsletter@lacactus.com

MEETING REFRESHMENTS

Angela Clubb

WEBMISTRESS

Nancy Neymark

CSSA LIAISON

Roxie Esterle

SALE + FESTIVAL CHAIR

Kimberly Gomez-Tong

INTER-CITY REPRESENTATIVES

Manny Rivera
with Artie Chavez + Kimberly Gomez-Tong

MONTHLY DRAWING

Al Mindel

PLANT PROCUREMENT

Collin O'Callaghan

HISTORIAN

Sandy Chase

AWARDS DINNER CHAIR

Vacant

LIBRARIAN

Joyce Schumann

POM PLANT DESCRIPTIONS

Kyle Williams

SOCIAL MEDIA COMMITTEE

Kim Thorpe Chavez
Dan Curran
Kimberly Gomez-Tong

Refreshments!

A warm "HELLO" to LACSS members! We have seen an increase in attendance at our monthly meetings after bringing back refreshments. Since most of our members (excluding retirees) come straight from work, it is nice to have a snack while enjoying the LACSS meeting.

It is a collective effort and responsibility each month to supply our members with sustenance, **THIS BRINGS US TO THE MONTH OF MAY AND THE ALPHABET ASSIGNMENT IS FOR THE MONTH IS LAST NAMES BEGINNING WITH LETTERS "D, E, AND F."**

If your last name begins with that letter, please bring something to share, enough for approximately 10 people. If you'd like to bring more that is okay too.

To facilitate set-up and clean-up, we ask that your contribution be in individual portions and/or a disposable container. At the end of the meeting, all leftovers, including containers, will be discarded. If you are available to help set up or tear down the refreshment center, please see me at the meeting at the Refreshment Table.

If you are unable to contribute, the club will also have a jar/bowl at the refreshment table if you would like to donate money so that the club can continue to supplement refreshments brought by the attendees.

May - Members whose last name begins with "D, E, F"

June - Members whose last name begins with "G, L, Y"

July - Members whose last name begins with "I, J, K, P"

Aug - Members whose last name begins with "M"

Sept - Members whose last name begins with "S, T"

Oct - Members whose last name begins with "N, W, Z"

Nov - Members whose last name begins with "B, V"

Jan - Members whose last name begins with "O, R"



PLANT OF THE MONTH

JANUARY

Matucana, Submatucana, Oroya
Aeonium

FEBRUARY

Coryphantha, Neolloydia, Neobesseya
Sarcocaulon

MARCH

Echinocactus
Anacampseros, Avonia, Grahamia

APRIL

Aztekium, Epithelantha
Aloinopsis, Antimima, Aptenia, Argyroderma

MAY

Cacti staged as miniature
Succulent staged as miniature
(Diameter of pot
NO LARGER THAN 3")

JUNE

Favorites

JULY

Melocactus
Euphorbia Medusoid

AUGUST

Mammillaria (Dichotomous & 2 Heads)
Gasteria, Astroloba

SEPTEMBER

Cacti from Coahuila
Nolina, Calibanus, Beaucarnea

OCTOBER

Espositoa
Fouquieria

NOVEMBER

Crest and Monstrose

DECEMBER

Holiday Awards Party

P L A N T O F T H E M O N T H

MINIATURES

B Y K Y L E W I L L I A M S

This month we aren't focusing on a specific genus or family of plants. Instead we will look at a growth form that everyone has space to grow, miniatures! It is important to note that because we are dealing with a descriptive term, not a botanical one, there is no hard and fast rule for what a miniature plant is. The closest we have is a pot size rule, which limits the maximum pot size to 3" diameter and requires the plants to be naturally small, not just a juvenile. For our meeting we'll be a little more relaxed and allow juvenile forms, within reason of course (no overgrown plant in a tiny pot!).

A miniature is not necessarily the same thing as a dwarf plant. For example, a number of Agave species are considered dwarf sized because they only get a couple feet in diameter. That is very small compared to a huge *A. americana* that can be 10 feet or more across, but isn't really what we mean by miniature.

Another example would be a *Bursera microphylla*, the Elephant Tree, which can form a huge shrub or small tree. It is often grown as a caudiciform bonsai just a couple feet tall. That plant has been dwarfed but it still is not a miniature!

So what are some examples of true miniatures?

Two great examples for cacti would be *Copiapoa laui* and *Blossfeldia liliputiana*, the two smallest species in the family. They both form small clumps, but individual heads are usually 1/2" or less in diameter. Even slightly bigger species such as *Ortegocactus macdougallii*, *Mammillaria theresae*, or *Puna clavaroides* are ideal miniatures so long as the clump hasn't become too big.

While there are quite a number of miniature cacti, the number of miniature (non-cactus) succulents is even bigger. One of the best places to look for miniatures is among the mesembs. Some species of *Conophytum* are the very definition of miniature, in that some species such as *C. pellucidum* are so small that you could have upwards of 100 heads in a three-inch pot! Many species of *Lithops* work well too. Also consider some of the mesembs that aren't living stones types such as *Titanopsis* or *Aloinopsis* species. Outside mesembs, consider some of the smallest *Crassula*, *Haworthia*, *Sedum*, or *Avonia*. These are just suggestions, but if you have a plant that looks good and proportional in a three inch or smaller pot then you have a miniature!



Neohenrichii sibbettii



Conophytum ectypum



Escobaria minima



Avonia alstonii ssp. quinaria



A miniature entry at the SGVCCS Winter Show
Photo credit: Kimberly Gomez-Tong

INTERMEDIATE YELLOW OPEN BLUE

Preparing Your Winter Growers for Summer

written by Gianluca Bacci



Figure 1. Many winter growers putting on their spring colors.

As the heat of summer rapidly approaches, the winter growing season is coming to a close. Winter-growing plants are all native to Mediterranean biomes: areas which receive a majority of their rainfall in winter. These regions comprise California, Baja, Southwestern South Africa, The Mediterranean of Europe, and the southeast tip of Australia. Plants from these regions can be broken up into two groups, which I refer to as the Opportunistic Winter Growers, and the Obligate Winter Growers. The Opportunistic Winter Growers are plants like Aloes, Aeonium, Pelargoniums, Sempervivum, many South African Euphorbias, and a handful of other plants. All of these are most active during the colder months, but will also grow through the summer, if water is available. The Obligate Winter Growers are plants which exclusively grow in the winter, and will most likely die if forced to grow through the summer. They include many South African bulbs such as Oxalis, Lachenalia, Massonia, Albuca, etc. as well as Tylecodons, Othonnas, Bulbine, and even some Avonia (This is why many people find Avonia quinaria incredibly rot prone as a summer grower: it is in fact a winter grower which should be left dry in the summer).

If you're new to the hobby, or just starting to collect winter growers, the effects of the first hot days can be nerve-wracking: leaves turn yellow and fall off, stems might begin to change color, and the epidermis of Tylecodons and Othonnas often begin to crack. If you don't know what's happening,

it's easy to think your plants are suddenly starting to die. In reality, these plants are just going into their natural dormancy. In the same way a deciduous tree drops its leaves in the fall, the long hot days trigger winter-growing plants to drop their leaves in preparation for the hot dry season to come. Once the leaves of a winter grower start to turn yellow, the best thing to do is stop watering; let all the leaves dry up and fall off. Once the plant is dormant, I like



Figure 2. *Oxalis namaquana*: one dormant, one green



Figure 3. Dormant *oxalis palmifrons*

to move them to a cool shady spot for summer storage. Some people like to keep their dormant winter growers underneath benches (as long as they don't get wet from watering plants above), and I know of others who store their bulbs in the garage during the summer. I personally like to cover them with a very heavy shade cloth, or tuck them deep under the eaves of my house. The important thing is to keep them dry, and prevent the pots, with your dormant plants in them, from baking in the intense summer sun. For those who live near the coast it is very easy to get away with keeping dormant winter growers bone dry. For those who live more inland, where it is hotter and dryer, I find it is useful to lightly mist dormant plants about once a week to help prevent total desiccation, though water should never penetrate more than a centimeter down the soil line. When I moved from Marin to Davis, this is one of the modifications I made to my growing technique in order to prevent dry rot in the summer.

To summarize, once the leaves of obligate winter growers begin to turn yellow, stop watering, move them to a shady spot, and keep them dry until late August or September, when it is time for them to start growing again. Winter-growing plants are some of the most interesting species in my opinion, and I hope these growing tips will help more people enjoy and be rewarded by these beautiful plants and their magnificent displays of unique form, and, often, beautiful flowers.

My name is Gianluca Bacci, and I am an avid succulent collector. I have grown plants for over 15 years, and have been working professionally in the horticultural industry for the past 7. I currently manage and care for the xeric plant collection at the UC Davis Botanical Conservatory, which has well over 2000 species of succulents and cacti. I am also a physics major, and current student at UC Davis. Photo: E. Sandoval





Photo credit: Kimberly Gomez-Tong

LACSS COMMUNITY PROJECT FOR ONE GENERATION

A JOB WELL DONE!

report by Roxie Esterle

On April 15, LACSS volunteers installed about 200 plants in two large planters for the new Community Room at the ONEgeneration Farmers' Market Site. The landscape is now complete with gasterias, aloes, bromeliads, agaves, aloes, alluadias, jade plants, trichocereus, and more, most of which were donated by:

JOHN MATTHEWS COLLIN O'CALLAGHAN
BONNIE IKEMURA SOO MARASIGAN
KAREN OSTLER TIM HARVEY

LACSS members joyfully shoveled and planted, having such a good time that some of the construction workers joined in the fun. Many thanks to:

JAN WITTENBERG DESIREE ALEXANDER
BONNIE IKEMURA CARYN WANDER
LESLIE RAYMOND MIKE SCHAPER
NANCY NEYMARK RICARDO FONG
SOO MARASIGAN

for their generous assistance. The project was initiated and coordinated by **ROXIE AND JIM ESTERLE.**



JAN WITTENBERG



LESLIE RAYMOND



NANCY NEYMARK



RICARDO FONG



SOO MARASIGAN

*continues next page

Kenneth Kang from ONEgeneration brought us a delicious lunch and sent the following note:

“SO GREAT TO MEET ALL THE WONDERFUL VOLUNTEERS, THANK YOU AGAIN FOR YOUR KIND AND HARD WORK HELPING TO MAKE OUR COMMUNITY BUILDING SUCH A BEAUTIFUL MEETING PLACE, THE PLANTS, LANDSCAPING AND LOVING CARE YOU ALL ADDED REALLY MAKES OUR BUILDING A MORE WARM AND DELIGHTFUL WELCOMING HOME.”

Our thanks to all of you for your enthusiasm, expertise, and commitment.



SAVE THE DATE

JUNE 17 8AM-430PM

**FEW
SPOTS
LEFT!**

LACSS DOUBLE FEATURE FIELD TRIP TO



LOTUSLAND & ALOES IN WONDERLAND

MONTECITO

JEFF CHEMNICK'S AMAZING
SANTA BARBARA GARDEN

Transportation and Admission fees are \$20 per person with LACSS underwriting the remainder of the cost

MEMBERS ONLY. FEW SPOTS LEFT!

Reserve your space by emailing Jim Esterle
jimesterle@gmail.com

L A C S S S A T U R D A Y PROGRAM

On Saturday, March 11th, Dean Karras was scheduled to speak to us about potting and staging our plants. Unfortunately he had car issues and was unable to make it. Luckily both Sandy Chase, and Artie Chavez were there in attendance to save the day! They stepped up and spoke to us and potting, staging, and care of out plants. They answered all the questions that were asked. Thank you Artie and Sandy!

ARE YOU CRAZED BY DIFFERENT PEOPLE, TELLING YOU DIFFERENT SOIL MIXES TO USE FOR YOUR PLANTS? PUMICE OR PERLITE? SAND OR DECOMPOSED GRANITE? WELL COME TO OUR SATURDAY PROGRAM WITH

MATT MAGGIO

**SATURDAY,
MAY 13TH 2023
SEPULVEDA
GARDEN CENTER
10AM**



In demonstrating his gratitude towards LACSS, Matt will return to his San Fernando Valley roots for a **RARE** public presentation! The topic will be a comprehensive crash course in soil science, as it pertains to succulent cultivation. Matt will crystalize his hands-on knowledge of habitat ecology, landscaping and nursery propagation into gems of wisdom for the practical hobbyist. There are many dug-in opinions on the subject of soils. Matt hopes to erode some stubborn myths and deliver some clear, unbiased concepts. This will be a demo-type presentation, making heavy use of live props. His talk on soil promises to cover a lot of ground.

Matt will discuss some of the key physical and chemical properties of soils: texture, drainage, porosity, microbes, cation exchange(nutrient holding) capacity and pH. He will discuss factors that go into a soil mix; type of plant and the application (e.g. landscape vs. container culture, commercial grower vs. hobby collector, seed starting or other propagation), your local microclimate, availability of materials and lessons from habitat.

There will be a soil mixing and repotting demo, repotting a succulent you find in a commercial mix, into a better mix. He will also open a bag of store bought cactus mix, providing his critique and how we might doctor it for different scenarios.

**IF YOU ARE INTERESTED IN ATTENDING,
PLEASE EMAIL LEEARC@AOL.COM**

IS IT YOUR TIME? LET'S FACE IT. IT TAKES VOLUNTEERS TO LEAD A GROUP OF PEOPLE.

All nonprofit organizations like the Los Angeles Cactus and Succulent Society require a Board of Directors who volunteer their talents, time, and passion. A position on the LACSS Board requires dedicated people who are aficionados of the field (be it expert or novice), who are willing to serve.

We need dedicated volunteers to serve on the Board of Directors in order to keep this highly respected club viable for the future. We need members who want to work with the current board members and learn what it takes to run a first-class Club. And let me add that LACSS is a first-class Club.

I am an example of a member who ended up on the Board of Directors. I think cactus and succulents are beautiful but if I am going to get my hands dirty, it is going to be for a plant I can eat. Not one that bites back. With this attitude, you know I am not an avid cactus lover, but over the years I have worked alongside a number of members who have graciously volunteered their time at the Club's various events and functions. I was just a worker bee, who really didn't get involved in the social aspect of the Club.

I didn't realize the greatness of this Club until I got on the Board. Its commitment to its membership and to the community is real. The members not only share their knowledge willingly, but also providing social comradery and purpose.

During the Covid Pandemic I was drafted as the Membership Director. On an administrated level, it gave me a wonderful opportunity to meet each of you through membership emails. I have met some mighty talented and interesting people who love cactus and succulents but also enjoy the companionship of other like minds. You have been friendly, inclusive and colorful in sharing good times while "playing in the dirt".

While they shared their love for plants, I experienced the comradery and sheer joy they demonstrated while they worked. I watched these volunteers who helped clean out a fellow citizens unkept cactus garden; who worked alongside high school students in creating cactus and succulent garden boxes at their school; and who cleaned over grown cactus pots that were donated to the Club into lovely potted plants. They laughed and talked with busy hands. Both new and senior members alike.

Is it now your time to talk with a current Board Member and ask if you can tag along as an "intern" so that you can learn the responsibilities and show your abilities to be a board member in the future?

To help you decide what you can be, check out the newsletter that lists the officer's positions and names.

SO, IS IT YOUR TIME TO LEAD LACSS INTO THE FUTURE?

BY, ROSEMARY POLITO

TEXAS BULL NETTLE

BY JACKSON BURKHOLDER precisioncactus@gmail.com

While enjoying deep fried cassava chips or a pie thickened with tapioca, it is difficult to imagine that you're eating a plant in the Euphorbia family, much less the closest relative of a genus of plants that packs one of the nastiest stings in the vegetable kingdom. Cassava plants are indeed Euphorbiaceae, in the genus *Manihot*, which has a range that covers South & Central America. The northern most extent of the genus just reaches into the United States with *M. walkerae* being found in S. Texas and *M. angustiloba* being found in Arizona. But, this is only one of the two genera found in the tribe Manihoteae. The other is its much more sinister cousin - *Cnidoscolus*.

With common names like "Bull Nettle" and "Mala Mujer" in Spanish, *Cnidoscolus* has a nasty reputation, which it lives up to with stings much more painful than true nettles. Like *Manihot*, *Cnidoscolus* has a wide range across the New World, with the south eastern US being its northern extent. One of the species native to the United States is *C. texanus*, the Texas Bull Nettle. This species has a large range, native to Texas, Louisiana, Oklahoma and Arkansas where it grows in open grassland habitats.

Those that live in its native range often view it as a nuisance - something to steer clear of while working on their ranch or hiking in a state park, but if you aren't used to seeing them, they are quite beautiful. The plants form spikey mounds up to 18" tall and have highly dissected palmately compound leaves covered in glistening white stinging hairs. Under the microscope it is easy to see the mechanism of how these stinging hairs inflict their torment. However, it is not easy to align the hair for sectioning. Figure 3 shows an oblique section through one of these stinging hairs. The dark red oval (arrow) is a thin section of the hard, glassy cell wall of the single cell that makes up the majority of the hair. This cell fills with a painfully irritating fluid created by the dense secretory cells in the base of the hair below it. The top of this cell comes to fragile point which, when broken, acts like a shard of glass introducing the venom inside into the broken skin of its victim.



Fig. 1 - *Cnidoscolus texanus* growing in Bastrop State Park, Bastrop Co., TX. Note the prominent stinging hairs covering all parts of the plant



Fig. 2 - Some *C. texanus* samples in the lab preparing to torment students - but with a plant quiz instead of their stinging hairs!



Fig 3. – Cross section of a *C. texanus* stem showing a stinging hair in oblique section. The top of the hair is a single cell with a hard, glass-like cell wall that is filled with toxin. Underneath it is a base filled with dense secretory cells.

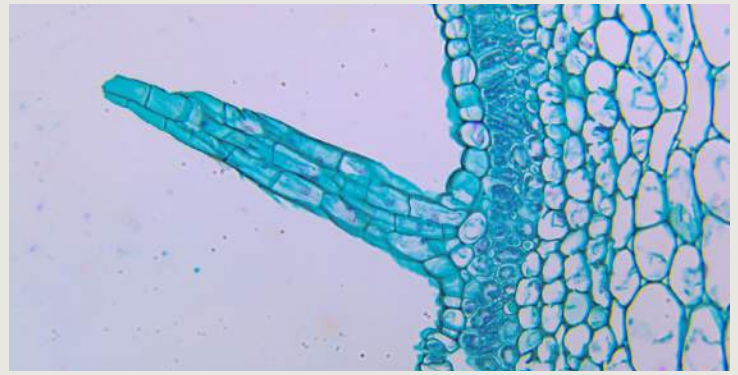


Fig 4. – A non-stinging trichome

Aside from these stinging hairs, the rest of the stem anatomy is relatively unremarkable, save for an interesting hardened layer of cells that makes up the inner layer of the cortex (fig. 4). The material in the cell walls that gives them rigidity picks up red stain and reacts with polarized light causing it to be highlighted under this kind of illumination (fig. 5). What is remarkable however are the flowers, which are surprisingly large for a member of the Euphorbia family. They have delicate white petals which can be close to 1" long which erupt from heavily guarded buds.

Of even more interest to succulent collectors, *C. texanus* develops a massive underground taproot similar to a cassava root. Could this be eventually raised as a caudex? Maybe one day an adventurous succulentophile will hide a magnificent specimen on a show table among *Jatropha*, *Phyllanthus*, and other drought adapted members of the Euphorbiaceae.

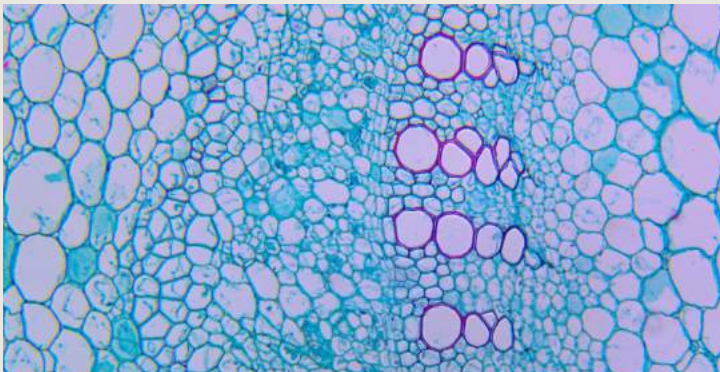


Fig 5. – A close up of the vascular cylinder of the stem. From left to right – Cortex, hardened layer, Phloem, Xylem, Pith.

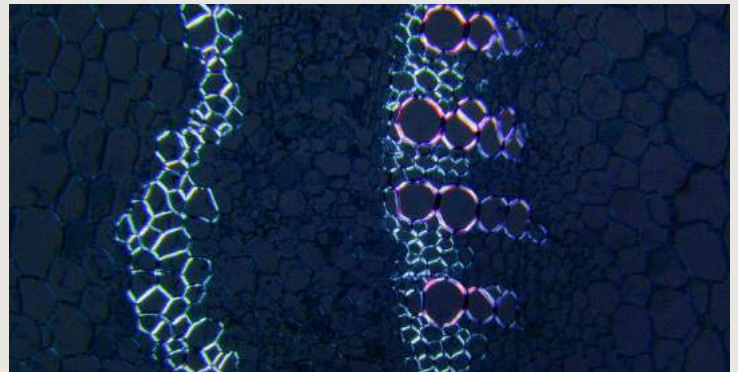


Fig 6. – The same view as above under polarized light, highlighting the ring of cells with sclerified (hardened) walls towards the inside of the cortex (left side of image). The xylem (or water conducting cells), right, have the same kind of hardened cell walls.

Another similarity to cassava is that the roots of *C. texanus* were cooked and eaten like potatoes by Native Americans. Other species of *Cnidoscolus* are also edible - even the leaves! For example, the leaves of *C. aconitifolius* have smaller stinging hairs and are eaten in many central American countries (but have to be cooked to neutralize the hairs and toxins before consumption). Maybe these sinister looking plants have more in common with the tapioca in pie after all!

If you are growing any species of *Cnidoscolus* as an ornamental (I know there are a few species out there in the trade) please let me know!



Jackson Burkholder has been growing cacti and succulents for over twenty years. He grew up attending Colorado Cactus and Succulent Society events, and what started as one or two small plants every year has turned into an obsession with desert flora. He is currently serving on the Board of the Cactus and Succulent Society of America and the leadership team of the International Cactaceae Academic Network. His focus is on well-documented South American cacti that thrive in the high elevations and cool nights of Colorado as well as winter hardy species from North America.

Jackson is also interested in restoring and using antique scientific equipment and experimenting with traditional scientific techniques. He combines both of his passions by studying plant anatomy and is working on finishing his master's thesis on this subject at Texas State University.



CSSA's Special Invitation to the 2023 Colorado Springs Convention

Succulents with Altitude

2023 Biennial Convention | July 12th—16th

Colorado Springs, Colorado

To all CSSA Affiliate Cactus and Succulent Societies

All of the members of the Colorado Cactus and Succulent Society look forward to meeting many convention attendees from the many CSSA affiliate societies on July 12-16 at the Colorado Springs CSSA Convention. The incredible view of 14,115' Pikes Peak outside the convention hotel will inspire and refresh, as will the 70-80F days and cool nights in the low 60's.

The line-up of speakers of particular interest to CSSA members includes, Ernst van Jaarsfeld, Elisabeth Sarnes from Germany, speaking for the first time at one of our conventions, Panayoti Kelaidis, and Stefan Burger. All of the speakers' biographical information and presentation topics are detailed on the CSSA website.

We would also encourage CSSA affiliate societies to sponsor a speaker of their choice, acknowledging the CSSA affiliates generous contributions at previous CSSA conventions.

There is so much more: field trips, an enormous plant sale, the auction and banquet, and, not least, the opportunity to meet and have in depth conversations with the speakers and your fellow succulent enthusiasts from the other affiliate chapters.

Please take a good look at the CSSA website for additional information and I look forward to meeting each of you in July.

Rod Haenni, Convention Co-Chair
President, CSSA

RESOURCES

[Convention Homepage](#)

[Register ONLINE](#)

[Mail-In Registration](#)

[Daily Schedule](#)

[Hotel Info](#)

[Speakers & Lectures](#)

[Tours & Field Trips](#)

[CSSA Website](#)

[Vendors](#)



The Cactus and Succulent Society of America presents...

Succulents with Altitude

2023 Biennial Convention | July 12th—16th Colorado Springs, Colorado

The Colorado Cactus and Succulent Society invites you to the CSSA 39th Biennial Convention.

CSSA members, join us for this years convention in beautiful Colorado Springs. Experience field trips to wild cacti populations, world renowned speakers on cacti and succulent topics, the traditional welcome banquet, plant auctions, cacti and succulent vendors, and so much more await you.



Speakers

Hear from a range of engaging speakers including Don and Donnie Barnett, Woddy Minnich, Karen Ostler, Peter Breslin, Ernesto Sandoval, Elisabeth Sarnes, Rob Wallace, and many others.



Field Trips

Explore multiple points of interest from the Colorado Plateau to Pikes Peak Cog Railway. Take your pick of several field trips to botanical collections, national parks, private gardens, and more.

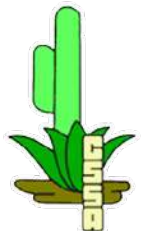


Lodging

Our primary hotel is the Colorado Springs Marriott. A limited block of rooms are available for \$176.00 per night plus taxes — including a full daily breakfast. **All convention events will be held at the Marriot.**

2023 Vendor Lineup

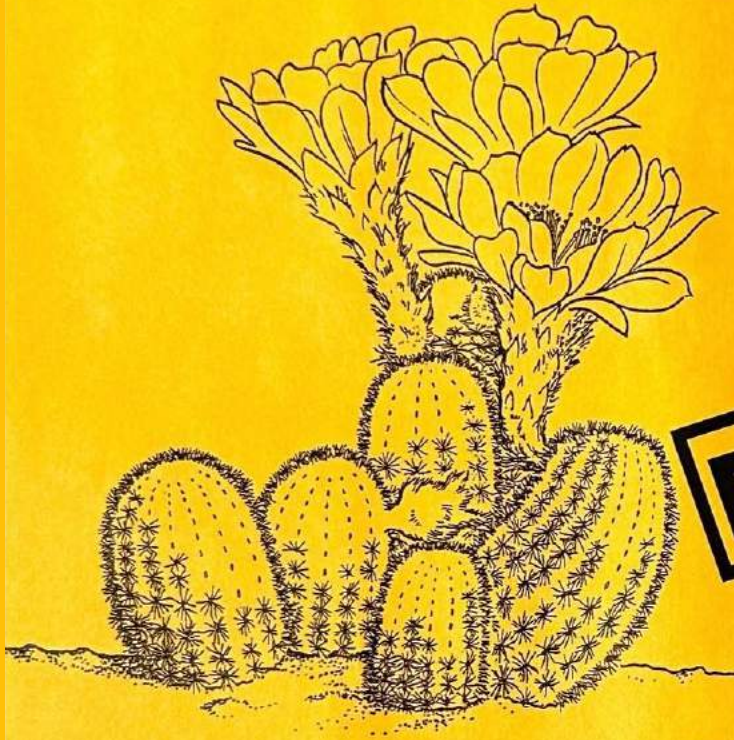
- Ethical Desert
- J & J Cactus and Succulents
- Cold Hardy Cactus
- LA Succulents
- Precision Cactus Growers
- PW Plants
- Prickly Prospects
- Cactus Data Plants
- Rare Succulents
- Desert Creations
- Front Grange Gardens
- Friendly Valley Studio
- The Clay Center of Northern Colorado



2023 CACTUS AND SUCCULENT CALENDAR OF UPCOMING EVENTS

- MAY 5-7 SACRAMENTO CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
DAILY 9AM-5PM INFO. WWW.SACRAMENTOCSS.COM
SHEPARD GARDEN AND ARTS CENTER, 3330 MCKINLEY BLVD., SACRAMENTO, CA
- MAY 6-7 SUNSET CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
DAILY 10AM-4PM INFO. CALL 310-822-1783
VETERANS MEMORIAL CENTER, GARDEN ROOM,
4117 OVERLAND AVE., CULVER CITY, CA
- MAY 7 LONG BEACH CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
INFO. CALL 714-553-6914
WOMEN'S CLUB OF BELLFLOWER, 9402 OAK ST., BELLFLOWER, CA 90706
- MAY 12-13 GATES CACTUS AND SUCCULENT SOCIETY SALE
DAILY 9AM-4PM INFO. WWW.GATESCACTUSANDSUCCULENTSOCIETY.COM
OR CALL 909-910-9195 REDLANDS CHURCH OF THE NAZARENE,
1307 E. CITRUS AVE., REDLANDS, CA 92374
- MAY 20 SANTA BARBARA CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
MEMBERS EARLY ENTRY 9:30AM, GENERAL PUBLIC 10AM-3PM.
MORE INFO AT WWW.SBCACTUS.ORG
- MAY 27-28 CENTRAL COAST CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
SAT. 10AM-5PM, SUN. 10AM-4PM INFO. WWW.CENTRALCOASTCACTUS.ORG
NIPOMO HIGH SCHOOL, 525 N. THOMPSON AVE., NIPOMO, CA
- JUNE 3-4 SAN DIEGO CACTUS AND SUCCULENT SOCIETY SUMMER SHOW AND SALE
BALBOA PARK, ROOM 101, SAN DIEGO, CA INFO: CALL 619-990-2051
- JUNE 10 - 11 FRESNO CACTUS AND SUCCULENT SOCIETY ANNUAL SHOW AND SALE
SAT 10AM - 5PM, SUN 10AM - 4PM. FRESNO FAIRGROUNDS COMMERCE BLDG,
1121 SOUTH CHANCE AVE, FRESNO, CA
- JUNE 16 - 18 SAN FRANCISCO CACTUS AND SUCCULENT SOCIETY SHOW AND SALE
FRIDAY MEMBER-ONLY PREVIEW.
INFO: SCHEDULE & DETAILS AT WWW.SFSUCCULENT.ORG
SAN FRANCISCO COUNTY FAIR BUILDING, 1199 9TH AVE, S.F., CA 94122
- JUNE 23 - 25 **CSSA ANNUAL SHOW AND SALE - RESERVATIONS REQUIRED SAT & SUN**
HUNTINGTON BOTANICAL GARDENS, 1151 OXFORD ROAD, SAN MARINO, CA
10AM TO 5PM RESERVATIONS: WWW.HUNTINGTON.ORG
INFO: SHOW/SALE CALL NICK RENTERIA 323-428-2215

CACTUS & SUCCULENT SHOW & SALE



MAY 6&7
... free admission
and parking ...

**SPECIAL: LA BALLONA BROMELIAD SOCIETY
SHOW & SALE
MULTI PURPOSE ROOM - Same Location
Saturday Only**

PLANT SALE: SATURDAY 9 - 4
SUNDAY 9 - 4

SHOW: SATURDAY 12 - 4
SUNDAY 9 - 4

Information: 310/822-1783



Club Meetings: 1st Tuesday of each month
(except July & August) at 7:00 PM
Burton W. Chace Park
13650 Mindanao Way
Marina del Rey

**teen center, veteran's memorial bldg.
4117 overland (at culver), culver city**

**All Students &
Families Welcome!**

JACK LONDON SCHOOLS



**PEACE
CONFERENCE**

SATURDAY, MAY 13, 2023

9:00 A.M TO 1:00 P.M.

**ANY DONATIONS
OF PLANTS, GRAVEL
AND TWINE WOULD
BE GREATLY
APPRECIATED.**

FOR MORE INFO:

JENNY BASS
HOME LANDLINE 818-716-5750
SCHOOL LANDLINE 818-756-2794
EMAIL JBASS@LAUSD.NET

Volunteer:

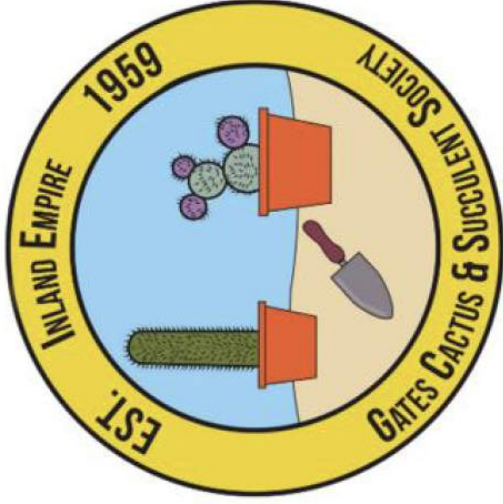
- COURTYARD CLEANUP
- ACTIVITY SET UP
- ACTIVITY FACILITATOR
- GENERAL GOOD DEEDS

Donations:

- POTS
- POT DECORATING MATERIALS
(RIBBONS, GIFT BOWS)
- POT SOIL
- PLANTS
- SPORTS EQUIPMENT

**MUSIC & FOOD
CAMPUS BEAUTIFICATION
SERVICE LEARNING CREDIT
LADYBUG RELEASE WORKSHOP
MURAL UNVEILING**





Gates Cactus and Succulent Society

48th 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

(909) 910-9195



56TH ANNUAL
CSSA SHOW & SALE

JUNE 23-25, 2023



THE HUNTINGTON
LIBRARY, ART MUSEUM,
AND BOTANICAL GARDENS

ALOE BRUYNSII



FOR TICKETS:

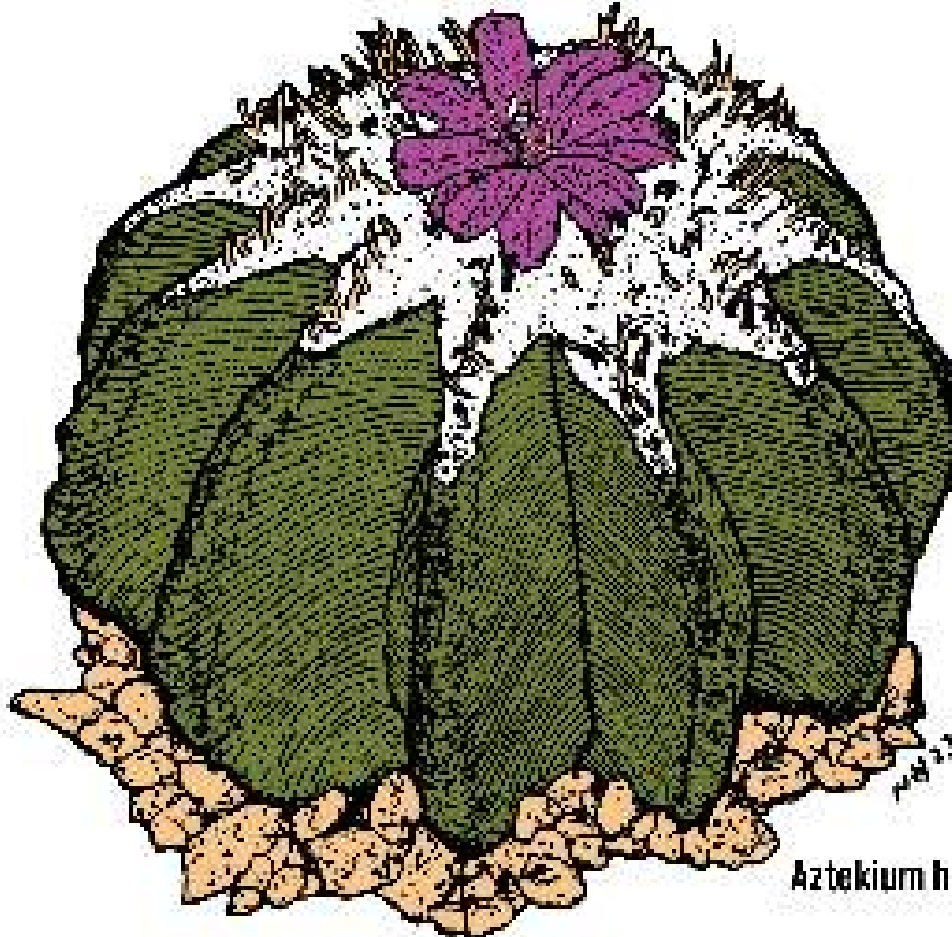
HUNTINGTON.ORG

MORE INFO:

CSSASHOW.COM

OPEN TO THE PUBLIC WITH PAID ADMISSION OR HUNTINGTON MEMBERSHIP. ADVANCE ONLINE TIMED ENTRY RESERVATIONS ARE REQUIRED ON WEEKENDS FOR BOTH VISITORS AND MEMBERS. NO WALK-INS. FRIDAY RESERVATIONS STRONGLY RECOMMENDED.

37th Annual **Inter-City**
Cactus & Succulent
Show and Sale



Aztekium hintonii

August 4th, 2023 - Sale 8AM-5PM

August 5th & 6th, 2023 - Show & Sale 8AM-5PM

Los Angeles County Arboretum - www.intercityshow.com

Hosted by the Long Beach, Los Angeles and San Gabriel Valley Cactus & Succulent Societies

Instagram: @intercityshow Facebook Group: intercityshow

We encourage you to bring your own box to the sale