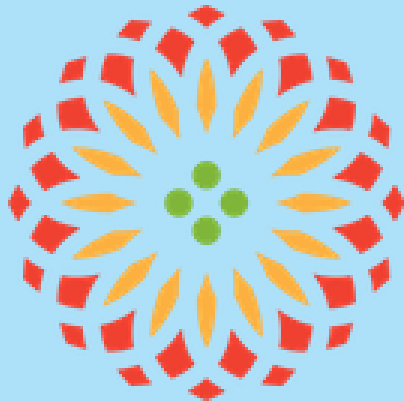


The Colorado Cactus & Succulent Society promotes education, enjoyment, cultivation, and conservation of cacti and other succulents among our members and the larger community



## Colorado Cactus & Succulent Society

### Remember, January is Dues Month

Newsletter editor, [Linda Meyer](#)  
Please send ideas, comments,  
critiques, and kudos to enhance  
future newsletters

### Meeting January 18, 2020 Oaxaca: Off the Beaten Path

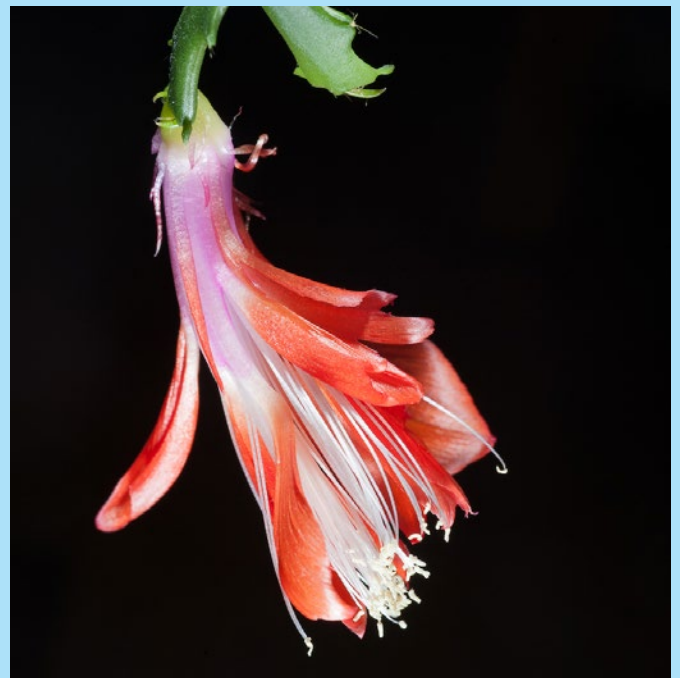
Over the course of nearly three weeks, Nick Daniel and Dan Johnson covered about 1200 miles of rural roads and managed to visit all the major life zones of the Mexican state of Oaxaca, from desert scrub and tropical deciduous forest to the highest cloud forests of the Cerro de Flores. Cacti and succulents were found in every zone, and the diversity never failed to astonish. From giant cacti to delicate and rare echeverias and all the plants and cultures that share their world, you'll want to come along.

**Date:** Saturday, January 18, 2020  
**Time:** 11:00 am  
**Location:** Gates Hall,  
Denver Botanic Gardens  
1007 York Street,  
Denver, CO 80206

### January Show Plants:

Mammalaria and Aloe

See photos & 2020 monthly schedule on p2



What would January be without a Christmas Cactus? Scott says "This is the flower of a Schlumbergera "Enigma". It's sort of a Christmas Cactus that produces flowers with random shapes and colors from the same plant. Nobody know the exact species...We suspect that it's a monstrose form." Scott's photo and plant

# CCSS Membership Form

## CCSS Membership Renewal - \$20

Date: \_\_\_\_\_

First Name: \_\_\_\_\_

Last Name: \_\_\_\_\_ -

Phone: \_\_\_\_\_

?Land or ?Cell (circle one)

Em a i l : \_\_\_\_\_

( i f n o n e , w r i t e n o n e )

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_

-

State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_

Team Cactus ? or Team Succulent ?  
(circle one)

Current Favorite Plant \_\_\_\_\_

2020 Dues Paid . . . . . Amount: \$ \_\_\_\_\_

Please clip this membership form with your dues.- with the new database system, we are updating our member information, so if you wish to mail in your dues, PLEASE clip and include the completed membership form...thanks

It is time to renew your CCSS membership or join the CCSS to take advantage of all the benefits of CCSS Membership. You can do this on-line via the CCSS website page, at our January 18th meeting, or send a check to the Colorado Cactus & Succulent Society at P.O. Box 12543, Denver, CO, 80212. Your dues go to fund our meetings and social events, the Annual Show & Sale, the CCSS scholarship, our website and social media, raffle plants, guest speakers, and minor administrative costs. Thanks to all our members who have already renewed at our November and December meetings; we appreciate your support and dedication to the CCSS.

- Monthly meetings at the Denver Botanic Gardens to network with other cacti and succulent enthusiasts
- Monthly presentations by expert guest speakers
- Free plants
- Field trips, hikes, local garden tours, and social events
- Annual Cactus & Succulent Show & Sale
- Workshops & Education
- Annual members' banquet and Holiday Pot Luck Meeting
- Advice on how to care for your plants
- Affiliation with the Cactus & Succulent Society of America
- Monthly newsletters
- Opportunities to buy unusual and exotic plants

## 2020 Monthly Show Plant Schedule

Month	Cactus	Succulent
January	Mammillaria	Aloe
February	Stenocactus, Echinofossulocactus	Haworthia
March	Echinocereus	Adromischus
April	Favorite Cactus	Favorite Succulent
May	Gymnocalicium	Caudiciforms
June	Rebutia, Aylosteria, Sulcorebutia, Weingartia,	Echeveria
July	Astrophytum	Stapeliads (Stapelia, Huernia, Orbea, etc.)
August	Mini (3in or less)	Mini (3in or less)
September	Discocactus, Uebelmania	Agave, Manfreda, (inc. x Mangave)
October	Variegated Cactus	Variegated Succulent
November	Turbincarpus	Pelargonium, Sarcocaulon, Tylecodon
December	Holiday Party	Holiday Party



*Left “Kelly Griffin Hybrid” Aloe. Photo by Scott Burkholder*

*Right Mammillaria sanchez-mejoradae in bloom This is Jackson Burkholder’s plant and photograph.*



## Notes from the Re-Potting Bench

As we begin the new year, we have many activities underway and others that need to be started which include the following:

- Launching the new CCSS website & membership system – nearly complete
- Preparing for the 2020 Show & Sale (March 27-29 at Summit in Aurora again)
- Seeking a new CCSS President – to replace me when I move to the Pacific NW this

### Spring

- Finalizing our slate of speakers for 2020
- Planning the 2020 Spring Field Trip, workshops, and special events
- Social Media transition to Jorge Lopez - completed
- Membership renewals
- Maintenance of the APEX Xeric Garden in Arvada
- Planning for the 2021 CSSA National Convention hosted by CCSS

If you're interested in volunteering, please let me or any of the other CCSS Board members know, especially Scott Burkholder who is the Show & Sale Chair. Our first volunteer activity this year was moving all the CCSS "stuff" to a new storage facility in Lowry, between the Summit Center and DBG. The heavy lifting was done by Jackson, Justin, Rod, Roswitha, Scott, Sharon, and myself. The survivors are pictured below:



We're reverting back to having members bring in snacks to the monthly meetings, with members with last names starting with the letter A through H to bring snacks to our January meeting. We hope to see you there!

Jerry Vaninetti  
Interim President

[jerry@vaninetti.com](mailto:jerry@vaninetti.com)

We're hoping to get many of our 5,300 Facebook followers to officially join the CCSS to add to the nearly 200 current members. Please tell your friends of the benefits and have them sign up on the CCSS website (see page 2).

The location and schedule of our monthly meetings may vary over the next few months as DBG completes its construction activities – we'll keep you posted via social media, membership emails, and the monthly newsletter. Our next meeting will be at DBG – Gates Hall on Saturday, January 18th starting at 11:00 AM, and then will revert back to our normal meeting schedule of the third Tuesday of every month starting at 6:30 PM.

## Support these Industry Partners

### **Tagawa Gardens**

7711 S Parker Rd, Centennial, CO 80016  
303-690-4722

### **Nick's Garden Center**

2001 S Chambers Rd, Aurora, CO 80014  
(303) 696-6657  
<https://nicksgardencenters.com/>

### **Southwest Gardens**

4114 N Harlan St, Wheat Ridge, CO 80033  
303-423-5606  
<https://www.instagram.com/swgardens/>

### **Echter's Nursery & Garden Center**

5150 Garrison St, Arvada, CO 80002  
303-424-7979  
<http://www.echters.com/>

### **O'Tooles Garden Center**

1404 Quail St, Lakewood, CO – Phone 303-232-6868  
5201 S Federal Blvd, Littleton, CO – Phone 303-347-8027

### **Front Range Gardens (Emerald Leaf affiliate)**

10195 Wadsworth Blvd, Broomfield, CO 80021  
(303) 469-3369  
<http://www.frontrangegardens.com/>

### **Cold Hardy Cactus/Prairie Storm Nursery (Kelly & Jorge)**

by appointment  
Arvada, CO  
501-786-5569  
[www.coldhardycactus.com](http://www.coldhardycactus.com)

### **Blazing Star Greenhouse (Gary Davis)**

Bennett, CO  
720-883-3047  
<https://www.facebook.com/garydavis51/>

### **Precision Cactus (Jackson Burkholder)**

Ken Caryl, CO  
<https://precisioncactus.us/>

### **Ethical Desert (Donnie & Don Barnett)**

selling via mail-order  
Pueblo, CO

## Winter-Growers & Summer-Growers

*by Jerry Vaninetti*

This article has been compiled from multiple website sources (especially Liffle.com), reference books, and personal experience, involving feedback from the northern, southern, eastern, and western hemispheres – as applied to Colorado.

The care of cacti and succulents is influenced by when they want to grow and when they want to go dormant, which is generally a function of where they originated/evolved and the season in which they normally receive moisture. Watering them when they want to be dormant and not growing is sure to result in root rot and dead plants. Conversely, withholding water when they want to grow will also kill them off, particularly when their roots get “cooked” in the heat of the day.

While cacti and succulents are sometimes categorized as “summer-growers” and “winter-growers”, this is misleading as most of these plants tend to do some growing in the spring and/or fall. I’ve found it more helpful to focus on when they go dormant, using this tabulation compiled by a CSU PhD student in 2005 and published on the succulents.us website (with a few edits). That will help you to know which plants to avoid watering when they’re dormant. page 5

## Figure 1 – Dormancy Tables

### WINTER DORMANT (Summer-Growers)

Adenia, Adenium, Agave, Alluadia, Aloinopsis rubrolineata, Brachystelma, Bursera, Calibanus, Ceropegia, Cissus, Cyphotstemma, Didieria, Dorstenia, Echeveria, Encephalartos, Euphorbia, Ficus, Fockea, Huernia, Ibervillea, Ipomoea, Jatropha, Lithops, Monadenium, Moringa, Operculicarya, Pachypodium, Pedilanthus, Plumeria, Pseudolithos, Pterodiscus, Raphionacme, Sempervivum, Siningia, Stapelianthus, Synadenium, Tillandsia, Titanopsis, Trichocaulon, Trichodiadema, Xerosicyos

### SUMMER DORMANT (Winter-Growers)

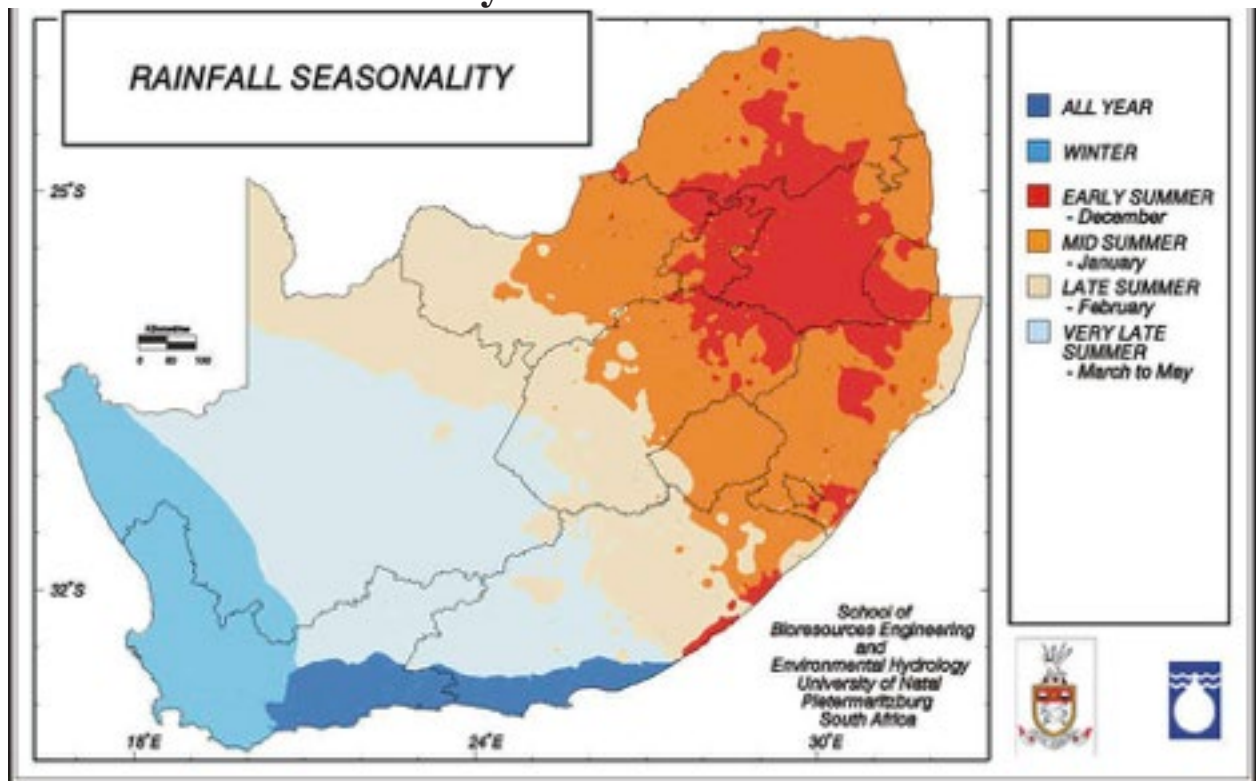
Adromischus, Aeonium, Aloe, Anacampteros, Astroloba, Avonia, Bowiea, Bulbine, Ceraria, Conophytum, Cotyledon, Crassula, Dioscorea, Dudleya, Fouquieria, Gasteria, Gibbaeum, Graptopetalum, Graptoveria, Haemanthus, Haworthia, Kalanchoe, Neohenricia, Othonna, Pachycormus, Pachyphytum, Pachyveria, Pelargonium, Peperomia, Portulacaria, Sansevieria, Sarcocaulon, Sedeveria, Sedum, Senecio, Stomatium, Talinum, Tylecodon

*By James Feucht, PhD, 2005 Colorado State University Cooperative Extension ~ Dormancy in Northern Hemisphere plants is caused by chemical changes within plant cells. It is stimulated by cooling temperatures and shorter days in late summer and fall. This “binds” water so it cannot freeze and injure plant cells. To break dormancy, plants must first go through a period of cold (about 40 degrees F or colder) for an average of 63 days. This cold period triggers changes which, when warm weather appears, allows plants to “deharden” and resume growth.*

Cactus: Cacti evolved in the Western Hemisphere and tend to start growing in the Spring (regardless of whether they come from the Southern or Northern Hemispheres), and take vacations during the heat of the Summer when most of them go semi-dormant, only to start growing again in late Summer and Early Fall, before going into their winter sleeping period. I’ve found that a rest period in 40-50° F temperatures is necessary for them to later explode with flowers – with the exception of tropical cacti from Brazil that need to be kept warmer (such as Discocactus, Melocactus, and Ubelmannia). Cacti from Chile (Copiapo & Eriosyce etc.) thrive on coastal fogs, so they need misting at night year-round to simulate Atacama Desert conditions. Another exception are cacti from the Baja California which tend to be winter-growers since they get coastal rainfall in the winter. Note: while most cacti bloom in mid-Spring, many start early and/or continue well into the Summer and Fall (especially, Turbinicarpus and Stenocactus).

Succulents (i.e., non-cacti): Unlike Cacti which evolved in the Western Hemisphere, succulents evolved in both hemispheres, with South Africa a major region for succulent evolution (although Central America is also a succulent evolution hotspot for Echeverias, Dudleyas, Graptoveria, Graptopetalums, etc.). Things get really complex for succulents that evolved in South Africa due to differences in weather conditions there (Figure 2). Their growing requirements are largely dictated by the season in which they are used to getting rainfall, regardless of conditions in Colorado. Plants that evolved in the winter rainfall areas along the west South African (and Namibian) coast, tend to be “winter growers” – because they get rain in their winter, not because the seasons are reversed in the southern hemisphere. These include many (but not all) Haworthias, Aloes, Gasterias, Adromischus, Mesembs, Cotyledons, Crassulas, Tylecodon, Dioscorea, and Kalanchoe – although some species of these plants which evolved out of the winter rainfall areas don’t fit this pattern. Lithops are a special case – they are winter-growers, but get thirsty when they’re dormant. The “summer growers” evolved in more inland settings which get summer rains, and include most Euphorbias, Stapeliads, Fockea, Lithops, Sempervivum, Aloinopsis, and Titanopsis. Note: Most of these South African plants don’t like cold weather, so keeping them above 50° F is a must.

**Figure 2: Rainfall Seasonality in South Africa**



In summary, (1) know where your plants originated so that you can anticipate their growing requirements, (2) don’t water them when they want to go dormant, and (3) don’t withhold water when they want to grow. Cacti are pretty easy, while the care of non-cacti succulents is more complex, especially if they originated from South Africa.

## Members' Industry Resources: Nurseries and Garden Centers

### **Nick's Garden Center**

Full-service, garden center, with a good selection of cacti & succulents

2001 S Chambers Rd, Aurora, CO 80014

(303) 696-6657

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

### **Cold Hardy Cactus/Prairie Storm Nursery (Kelly & Jorge)**

Cactus and succulent nursery, selling via mail-order and visits by appointment

Arvada, CO

501-786-5569

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

### **Tagawa Gardens**

Full-service garden center, with a good selection of cacti & succulents

7711 S Parker Rd, Centennial, CO 80016

303-690-4722

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

### **Blazing Star Greenhouse (Gary Davis)**

Local grower of cacti & succulents, selling at local farmers' markets

Bennett, CO

720-883-3047

[www.facebook.com/garydavis51](https://www.facebook.com/garydavis51)

### **Southwest Gardens (Cary West)**

Locally owned – with a passion for growing succulents & plants

4114 N Harlan St, Wheat Ridge, CO 80033

303-423-5606

[www.instagram.com/swgardens](https://www.instagram.com/swgardens)



## **Members' Industry Resources: Nurseries and Garden Centers**

### **Englewood Camera (Bryce)**

5855 S Broadway, Littleton, CO 80121

303-797-0700

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

### **TGM Greenhouses of Colorado (Eric)**

Hobby greenhouse distributor, by appointment only

2020 Kipling St, Lakewood, CO 80215

720-258-8337

### **All Its Own (William Haggerty)**

Boutique store: nature-spirit-home

9703 W. Colfax Ave, Lakewood, CO

720-572-4993

[www.all-its-own.com](http://www.all-its-own.com)

### **Ethical Desert (Donnie & Don Barnett)**

Grower of outdoor cacti & succulents suited to Colorado, authors of "Cacti of Colorado" book, selling via mail-order

Pueblo, CO

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

### **Precision Cactus (Jackson Burkholder)**

Local cactus & succulent grower, by appointment only

Ken Caryl, CO

[www.precisioncactus.us](http://www.precisioncactus.us)

### **Etcher's Nursery & Garden Center**

Full-service garden center, with a good selection of cacti & succulents

5150 Garrison St, Arvada, CO 80002

303-424-7979

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### O'Tooles Garden Center

Full-service garden center, with a good selection of cacti & succulents

1404 Quail St, Lakewood, CO 80215 – Phone 303-232-6868

5201 S Federal Blvd, Littleton, CO 80123 – Phone 303-347-8027

9400 Wadsworth Pkwy, Broomfield, CO 80021 – Phone 303-423-8361

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

### Yatahai Gardens (Thad Johnson)

Large hanging succulent baskets, all locally grown

6870 Nelson Road, Longmont, CO 80503

303-532-3338

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

### Front Range Gardens (the Emerald Leaf Guys)

Full-service garden center

10195 N Wadsworth Blvd

Broomfield, CO 80021

303-469-3369

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

## Upcoming Programs and Events

**March 27-29 CCSS 2020 Annual Show and Sale**

**July 2021 Cactus & Succulent Society of America Convention  
(in Colorado Springs)**

## MAIL-ORDER CACTI & SUCCULENT SPECIALISTS

### Miles2Go

Tucson, AZ

<http://www.miles2go.com>

### Arid Lands Greenhouses

Tucson, AZ

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

### Grigsby Cactus Gardens

Vista, CA

<http://cactus-mall.com/grigsby/>

### Mesa Garden

Belen, NM

<https://mesagarden.com/>

### J&J Cactus

Midwest City, OK

<http://jjcactus-succulents.net/>

### Cactus Lands

Tucson, AZ

<http://www.cactuslands.com>



photo and plant from Scott Burkholder

Lithops transitioning leaves, or as Jackson would say, “growing!”.

Scott says, “I want to remind everyone not to water a Lithops at this stage. The plant is transferring moisture and resources from the outer, old leaves to the inner, young leaves and it’s important to not interrupt this process with external water. Ever since Leo Chance shared this tip with us, I have had a lot more success with this species, and with Mesemb in general!”



## **2019 COLORADO CACTUS AND SUCCULENT SOCIETY BOARD OF DIRECTORS**

### **Jerry Vaninetti**

Interim President

vaninetti\_jerry@yahoo.com

### **Randy Tatroe & Panayoti Kelaidis**

Vice-Presidents, Programs

rtatroe@q.com | 303-699-8958

KelaidiP@botanicgardens.org | 720-865-3604

### **Sharon Bolton**

Treasurer

sharonbolton4599@gmail.com

### **Kathleen Ryan**

Membership

kathleen.e.ryan@gmail.com

### **Steve Harley**

Secretary

ccss@paper-ape.com | 303-777-6475

### **Sara Randall**

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sara.j.randall@gmail.com | 805-218-5779

### **Scott Burkholder**

Show & Sale Co-Chair

seisnoir@comcast.net | 720-480-4165

### **Michael Roll**

Conservation and Hiking;

MichaelJRoll@gmail.com