



# PRICKLY NEWS

SOUTH COAST CACTUS & SUCCULENT SOCIETY NEWSLETTER | NOV 2020

Stephen  
McCabe

ZOOM PRESENTATION

Sunday, Nov 8, 2020 @ 1:30 pm  
(Members watch for an email invitation)

Cliff hangers and Flatlanders:  
Dudleya on the Edge



**Greetings!** As the holidays approach, I encourage you to remain safe and continue to avoid large social gatherings indoors. Since The Society is unable to have a holiday potluck this year, I would appreciate any suggestions for a December meeting.

**Zoom meetings:** Our Next Zoom meeting will be on Sunday, November 8th with a social hour at 1 PM and presentation at 1:30 PM. Our presenter will be Stephen McCabe who is an expert grower of Dudleyas. He was the recipient of a grant from our Society for Dudleya propagation and it will be exciting to see how his work is developing.

I will present the Plant of the Month and garden submissions as a Power Point after the presentation. Contact me if you have difficulty managing the Zoom on your computer so we can help you and have more people enjoy the presentation.

**Call For Photos:** Plant of the Month genera for November are Cactus and Succulent: Crested and Monstrose. So I hope to see some interesting plants! Photos will be published and you will be given one Minishowpoint each for a submitted photo of your cactus, succulent or garden (up to 2 points). Please include your plant's full name if you know it (and if you don't, I will seek advice for you). Let me know if you would prefer not to have your name published with the photos. The photos should be as high resolution as possible so they will publish well and should show off the plant as you would in a Mini Show. This will provide all of us with an opportunity to learn from one another and share plants and gardens. You may send as many photos as you like. E-mail them to me at [minniecap@icloud.com](mailto:minniecap@icloud.com) by November 7th so I may present them at the upcoming Zoom meeting.

Stay well and keep in touch!  
MARIA CAPALDO

SHARE YOUR GARDEN OR YOUR FAVORITE PLANT




Email me with photos of your garden and/or plants that we can publish as a way of staying connected.  
[minniecap@icloud.com](mailto:minniecap@icloud.com)

To learn more visit [southcoastcss.org](http://southcoastcss.org)

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# Cliff hangers and Flatlanders: Dudleya on the Edge

BY STEPHEN MCCABE



Stephen McCabe has been studying and growing Dudleya for over 30 years and has been growing other succulents since he was a child. He is the Emeritus Director of Research for the UC Santa Cruz Arboretum and is currently a researcher at the UC Santa Cruz Environmental Studies Department and a private consultant. His interests are in the classification, evolution, ecology, and conservation of Dudleya and other plants. His hobbies include rock climbing and hybridizing similar species to each other within the following genera: Dudleya, Gasteria, and California monkey flowers.

These succulent beauties grow on the West coast from Oregon to the tip of Baja California in a wide range of habitats and microclimates. They face challenges hanging on to cliffs, being trampled on mesas, and lasting through the summer dry season. Development, fires, poaching, and climate change present additional threats. Like many succulents, they grow in somewhat extreme places. There will be a little emphasis on some of the local species and issues in the Santa Monica Mountains and nearby.



What's in your garden?



*Sally Fasteau's garden*



Thank you for sharing!  
What's in your garden?

[minniecap@icloud.com](mailto:minniecap@icloud.com) share by November 7



What's in your garden?



*Bill Wilk's garden*



Thank you for sharing!  
What's in your garden?

[minniecap@icloud.com](mailto:minniecap@icloud.com) share by November 7

What's in your garden?

*Bernard Johnson*



*Anita Caplan*



Thank you for sharing!  
What's in your garden?

[minniecap@icloud.com](mailto:minniecap@icloud.com) share by November 7



2020-2021

Mini - Show Plant Calendar



Mini-Show Plants for 2020-2021

November	Crested and Monstrose	Crested and Monstrose
December	<i>Lobivia saltensis</i>	<i>Lobivia saltensis</i>
January 2021	Mammillaria - Hooked Spines	Caudiciform (Beaucarnia, Calibanus, Dioscorea, Fockea, etc.)
February 2021	Eriosyce, Neoporteria, Neochilenia, Islaya	Crassula
March 2021	Echinocereus	Gasteria and hybrids
April 2021	2021 Show and Sale	2021 Show and Sale
May 2021	Coryphantha, Escobaria, Acharagma	Dudleya, Cotyledon
June 2021	Gymnocalycium	Pachypodium
July 2021	Lobivia, Echinopsis	Sansevieria
August 2021	Ferocactus, Leuchtenbergia	Stapeliads (Stapelia, Huernia, Orbea)
September 2021	Discocactus, Uebelmania	Kalanchoe
October 2021	Miniature (3in or less)	Miniature (3in or less)



NOVEMBER

## Monthly Cactus: Crested and Monstrose

Crested and monstrose is the occurrence of growth mutations throughout the plant kingdom, but we happen to be most interested in the topic as it applies to succulents, especially cacti and euphorbias, aeoniums, echeverias, and other succulents too.

Crested and monstrose plants are those that exhibit abnormal, distorted or disfigured growth. This happens when a mutation occurs during cell division. But rather than perfectly flat layers of tissue resulting, the damage to the central growing point creates multiple growing points that crowd and push against each other. Peculiar shapes form from this energy — such as those resembling brains, fans, coral, and snakes.

In monstrose growth, the mutation typically makes random multiple growing points that are not stacked next to each other — there's one here, another over there, pushing the body of the plant all out of shape in disorderly fashion. The crested and monstrose forms generally occur because of injuries to the plant at a young age. In reaction to this injury, the cells at the tip of the branch where growth occurs begin to multiply at a much faster rate and the normal growing tip creates crested plants.

In monstrose specimens, each of those growth tips behaves as if it were the primary point. The result is messy, lumpy, monster-like growth. Cristates look more neat and symmetrical in comparison.

Plants can exhibit mutated and regular growth at the same time. Crests and monstrose growth are unpredictable; no two are precisely alike. That goes for plants of the same species.



By Tom Glavich

### Cactus: Crested and Monstrose



*Tricocereus bridgesii*  
*forma. monstrosus*



*Lophocereus schottii*  
*forma. monstrosus*



*Tricocereus bridgesii*  
*forma. monstrosus*



*Tricocereus bridgesii*  
*forma. monstrosus*



*Mammillaria mystax*



*Opuntia microdasys pallida*



*Myrtillocactus geometrizans*  
*'Elite'*



Crest Monstrose



NOVEMBER

Monthly Succulent: Crested and Monstrose



*Echevaria 'Cubic frost' f. cristata*



*Euphorbia leucadendron f. cristata*



*Euphorbia lactea f. cristata*

Succulent: Crested and Monstrose



Crested Echevaria



*Echevaria cuspidata var. zaragozae f. cristata*



*Echevaria 'Cubic frost' f. cristata*



*Gasteria nigricans f. monstrosa*



By Tom Glavich



# Latin Lookup

Loquerisne Latine (Do you speak Latin)?  
The meanings of latin plant names on the previous pages  
– from <http://davesgarden.com/guides/botanary/>

## CACTUS

**bridgesii** [brid-JES-ee-eye] English Botanist Dr. Thomas Bridges, 19th century plant collector in Bolivia.

**cristata** [kris-TAY-tuh] Crested.

**geometrizzans** [jee-oh-MET-rih-zans] Geometric; having markings in a formal pattern.

**Lophocereus** [lof-oh-KER-ee-us] From the Greek lophos (crest) cereus (genus name for cactus, meaning torch).

**Mammillaria** [mam-mil-AR-ee-uh] Nipple- or teat-like.

**microdasys** [my-kro-DAS-is] small and bushy.

**monstruosus** [mon-STROH-sus] Strange, wonderful; monstrous; also spelled monstruosus.

**Myrtillocactus** [mir-til-oh-KAK-tus] From the Greek myrtillus (small myrtle) and cactus; referring to the myrtle-like fruits.

**mystax** [MY-staks] From the Latin, meaning moustache.

**Opuntia** [op-UN-shee-a, op-UN-tee-a] Named after Opus (Greece), an area where other cactus-like plants were grown.

**pallida** [PAL-lid-duh] Pale, pallid.

**schottii** [SHOT-ee-eye] Named for Arthur Carl Victor Schott, 19th century German-born naturalist on the Mexican boundary survey.

**Trichocereus** [try-koh-KER-ee-us, trihk-uh-SIH-re-uhs] From the Greek trichos (hair) and cereus (cactus), referring to the hairy floral tube.

## SUCCULENT

**cristata** [kris-TAY-tuh] **Crested.**

**cuspidata** [kus-pi-DAY-tuh] Sharp-pointed.

**Echeveria** [ech-eh-VER-ee-a, ech-eh-ver-EE-a] Named for Anastasio Echeverria y Godoy, 18th century Spanish botanist.

**Euphorbia** [yoo-FOR-bee-uh] Named for Euphorbus, Greek physician to Juba II, King of Mauretania.

**Gasteria** [gas-TAIR-ee-uh] From gaster, (belly, stomach); referring to swollen base on flower.

**lactea** [lak-TAY-uh] Milky.

**leucadendron** [lew-kuh-DEN-dron] From the Greek leukos (white) and dendron (tree); for the white foliage.

**monstrosa** [mon-STROH-sa] Strange, wonderful; monstrous; also spelled monstruosa.

**nigricans** [ny-grih-kans] Black.

<https://davesgarden.com/guides/botanary>

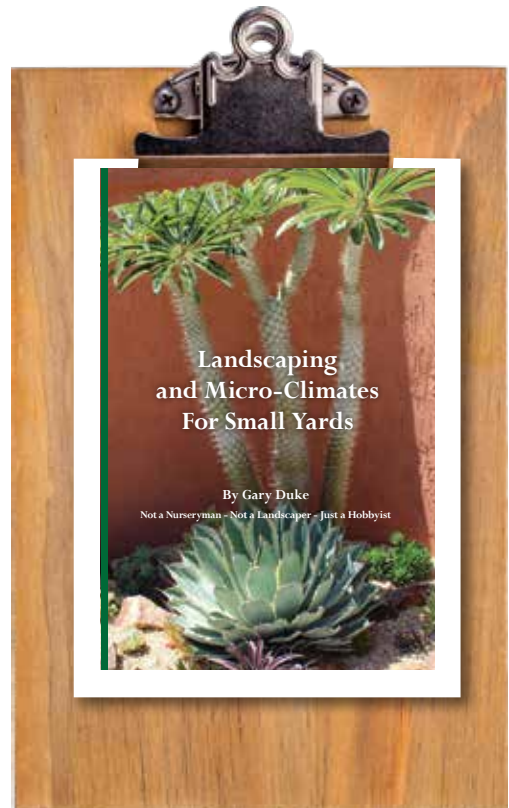
NOVEMBER

Clippings: The Duke of Long Beach



<https://www.youtube.com/watch?v=LYvr5LeCXi4>

Join @VariegatedTroy and Hunter of **Cactus Quest** as they take you into the world of Gary Duke @Garyduke53. He is an author, cactus grower and hobbyist who has been growing, collecting and exploring the cactus world for over 60 years. Make sure you follow Gary on instagram and message him directly to purchase a copy of his book. ***Landscaping and Micro-climates For Small Yards.***







OCTOBER

Virtual Mini-Show: **NOVICE / SUCCULENT**

SUCCULENT CATEGORY: NOVICE



*Graptopetalum pentandrum*  
by Gretchen Davis



*Graptoveria 'Fred Ives'*  
Crested by Gretchen Davis



*Graptopetalum pachyphyllum*  
by Gretchen Davis



*Graptopetalum*  
by Terri Staub



Virtual Mini-Show: **NOVICE / CACTUS**

CACTUS CATEGORY: NOVICE



*Cylindropuntia esmeraldana*  
by Terri Straub



*Cylindropuntia tenuissima*  
by Jim Tanner





Virtual Mini-Show: **SUCCULENT / INTERMEDIATE**

SUCCULENT CATEGORY: INTERMEDIATE



*Graptopetalum*  
by Anita Caplan



Virtual Mini-Show: **CACTUS/ INTERMEDIATE**

CACTUS CATEGORY: INTERMEDIATE



*nihil hic hoc septimana* sp.  
by anonymous



Virtual Mini-Show: **OPEN / SUCCULENT**

SUCCULENT CATEGORY: OPEN



*Graptopetalum macdougallii*  
by Phyllis DeCrescenzo



*Graptopetalum paraguayense*  
by Phyllis DeCrescenzo



*Graptopetalum paraguayense*  
by Phyllis DeCrescenzo



*Graptoveria 'Fred Ives'*  
by Phyllis DeCrescenzo



*Graptopetalum paraguayense*  
by Sally Fasteau



*Pachyveria glauca 'Little Jewel'*  
by Phyllis DeCrescenzo



*Graptoveria 'Opalina'*  
by Maria Capaldo



*Graptoveria*  
by Maria Capaldo



*Graptopetalum paraguayense*  
by Sally Fasteau



*Graptoveria 'Debbie'*  
by Maria Capaldo





Virtual Mini-Show: **OPEN / CACTUS**

CACTUS CATEGORY: OPEN



*Copiapoa cinerea*  
by Gary Duke



*Copiapoa krainziana*  
by Gary Duke



*Copiapoa dealbata*  
by Laurel Woodley



*Copiapoa dealbata*  
by Sally Fasteau



*Copiapoa esmeraldana*  
by Laurel Woodley



*Copiapoa hazeltoniana*  
by Gary Duke



*Copiapoa humilis*  
by Bill Wilk



*Copiapoa marginata*  
by Bill Wilk



*Copiapoa coquinbana*  
*v. pendulina*  
by Phyllis DeCrescenzo



*Copiapoa hypogaea*  
by Laurel Woodley



*Copiapoa tenuissima*  
by Laurel Woodley



*Copiapoa tenuissima*  
by Sally fasteau



*Copiapoa humilis*  
by Phyllis DeCrescenzo



## SCSS Mini-Show October 2020 Standings

[Click here for sortable standings](#)

Novice Class	Cactus	Succulents	Total	Intermediate Class	Cactus	Succulents	Total	Open Class	Cactus	Succulents	Total
Bantad, Sonita	3	3	6	Caplan, Anita	1	3	4	Capaldo, Maria	22	16	38
Bjarkman, M.A.	3	9	12	Johnson, Bernard	15	28	43	DeCrescenzo, Phyllis	24	22	47
Bjerke, Martha	0	2	2	Johnson, Ted	5	16	21	Duke, Gary	21	16	37
Cottrell, Diane	7	9	16	La Forest, Dale	8	8	16	Fasteau, Sally	7	21	28
Cozzolino, Karin	0	2	2	Lott, Lemono	1	4	5	Gardner, Jim	12	5	17
Davis, Gretchen	3	7	10	Neely, Jade	3	3	6	Hanna, Jim	0	8	8
Diaz, Gloria	0	2	2	Nettles, Coni	22	15	37	Wilk, William	10	4	14
Dorsey, Martin	1	10	11	Short, Mike	1	10	11	Woodley, Laurel	7	9	16
Nisewaner, John	0	12	12								
Sams, Nancy	2	4	6								
Seiver, Cheryl	1	1	2								
Sover, Suzane	0	1	1								
Straub, Terri	22	13	35								
Straub, Matt	0	2	2								
Tanner, Jim	11	14	25								
Tillotson, Joseph	2	5	7								
Unrine, Judy	0	6	6								
Wong, Clif	0	1	1								
Youssefzadeh, Aya	1	4	5								
Youssefzadeh, Jacob	5	15	20								

### SCSS Mini-Show Rules

A Mini-show is scheduled for all meetings except April (Show and Sale) and December (Holiday Potluck) as a way for members to show their prized plants and staging skills; and for everyone, especially novices to learn how to grow and show theirs. Lists of eligible plants are printed in the newsletter and on our Society's website.

#### There are three entry classes:

Novice, Intermediate and Open.

New members may enter at any level, but once a level has been entered members may not regress to a less advanced class.

There are two plant categories, Cactus and Succulent. Up to three entries per member may be entered in each category.

Exhibitors must be club members in good standing and present at the meeting.

One member's name representing a household must be used unless plants are grown and shown separately. We trust you.

Any container may be used, including plastic. The containers and plants must be free of pests and disease. Only one plant/container is permitted but this includes rosettes/offsets/pups connected by rhizomes, stolens,

and above ground clusters. Dish gardens are an exception if they are the category of the month. Novice and Intermediate entries must be grown by the exhibitor for a minimum of six months, and open class entries for one year.

Usually our speaker (as an unbiased expert) will be asked to judge, but if the speaker is a Society member, one or two members who are not showing will be asked to judge. Remember, judges may not be experts and usually judge based on how well the plant is grown and staged.

The following point system is used.

1st place= 6

2nd place=4

3rd place=2

**Entries not disqualified receive 1 point.**

After the November meeting, point totals will be reviewed by the Board. Novice and Intermediate members with more than 64 points or with at least 6 first place awards may be asked to move to the Intermediate or Open class if their entries show them qualified. This is a subjective judgment.

### Mini-show Virtual Points

1 Mini show point each for a submitted photo of your cactus and succulent (up to 2 points)

Up to 2 points for those submitting garden photos if you had **not** submitted Mini-show photos.





## Upcoming Events

[Click here for Full List](#)



SOUTH COAST  
CACTUS & SUCCULENT  
SOCIETY

### ZOOM MEETING

**Cliff hangers and Flatlanders:  
Dudleya on the Edge  
Sunday, November 8**

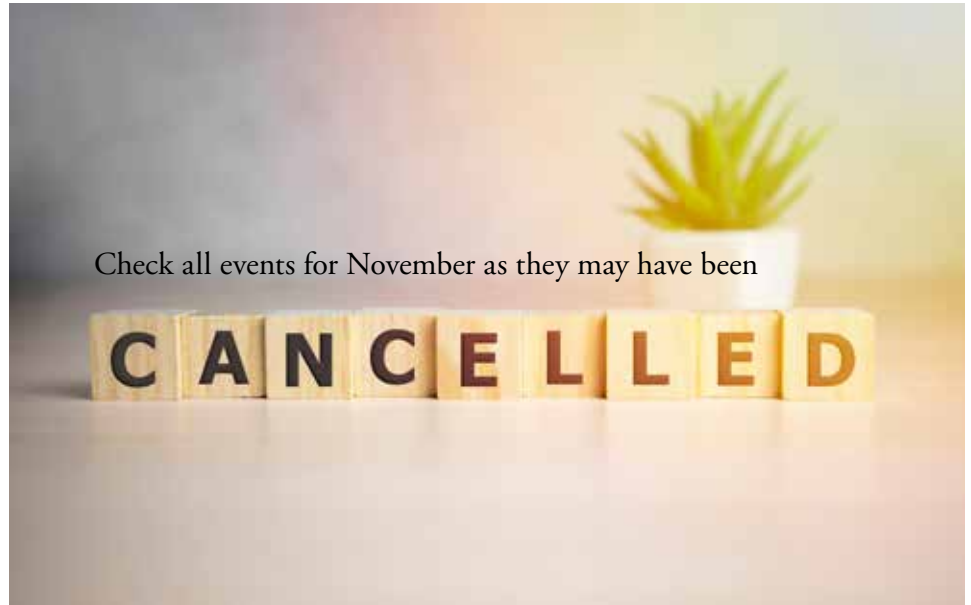
Invitation will be sent  
by e-mail, and also will be available  
by streaming on U-tube.

**Speaker:**

Stephen Mccabe

**Start time:**

1:30 pm



Check all events for November as they may have been

[For more information and to learn more](#)

## Board of Directors 2020-2021

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**Clif Wong**

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**Sally Fasteau**

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**Gary Duke**

Show and Sale

**Open**



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**Jim Tanner**

Publicity (Show)

**Open**

Publicity (Monthly)

**Ann Nye**

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