

SOUTH COAST CACTUS & SUCCULENT SOCIETY NEWSLETTER | JUNE 2023



Spring to Summer season is here! Late May brought us cloudy weather and I expect it to continue through June. This is an ideal season to get succulents cleaned up. Remove dead leaves, stems, influorescences, and inspect plants for signs of infestations. By segregating and

treating plants with mealies, scale, Aloe or Agave mite, you will have a healthier collection when the warmer weather arrives. Don't forget to clean the benches, or shelves that hold the plants too.

I've been excited to see new faces at the meetings, we have almost 100 members. Please let me know if you would like to be more involved with the Society. There are lots of ways to participate either in or outside of meetings. We especially need people who have computer skills, social media (Instagram, etc.) or have writing skills to edit articles and produce the Newsletter.

The CSSA (Cactus and Succulent Society of America) Show and Sale is in late June at the Huntington Gardens. It's a fun time to see Show plants and lots of vendors selling plants and pots. Reservations are needed to enter unless you intend to volunteer. See the webpage for information. https://southcoastcss.org/event/cssa-annualshow-and-sale-2023/.

This year CSSA will host the convention in Colorado Springs. Many of us will be going, and are looking forward to gathering with experts in the succulent world from all points of the globe. See the website for registration information. http://cssaconvention.com/
Our meeting this month will be the usual second Sunday of the month at the Botanic Garden. Ron Kaufman will present the "World of Rupicolous Orchids" as seen with succulents. As we have seen in many presentations of succulents in habitat, rocks are a favorite place for them to grow. I hope we can get lots of ideas on how to better grow and present our rock loving plants.

I hope to see you there! Maria Capaldo



GUEST SPEAKER OF THE MONTH Ron Kaufmann June 11, 1:30 pm



"Life on the Rocks: The World of Rupicolous Orchids"





To learn more visit southcoastcss.org



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"Life on the Rocks: The World of Rupicolous Orchids"

BY RON KAUFMANN



Exploring the rock garden with cacti and orchids.

Our speaker in June will be Ron Kaufmann, chair of the American Orchid Society Conservation Committee and a founding director of the Orchid Conservation Alliance. Ron has been growing orchids for more than 25 years and has traveled extensively to view orchids in the wild in Asia and South America, particularly Brazil, Ecuador and Colombia.

His talk titled "Life on the Rocks: The World of Rupicolous Orchids" will explore the habits and habitats of orchids that grow on rocks, with a focus on Brazil. Rocky terrains host a surprising number of plant species, including orchids and cacti, and understanding the conditions in those settings can be very useful when deciding how to grow these plants in our own collections.

Ron is a marine biologist by training, and his scientific work includes studies of Antarctic and deep-sea ecosystems as well as marine communities in coastal Southern California. His orchid collection began with a reedstem Epidendrum and progressed to a diverse assemblage that contains mostly species orchids.

Ron has a long-standing interest in conservation and joined the San Diego County Orchid Society's Conservation Committee in 1999 and became chair in 2004. Since 1991, the Conservation Committee has awarded over \$285,000 to support projects in 24 different countries. Ron also helped to found the Orchid Conservation Alliance and serves on the boards of the OCA, Orchid Digest, and Fundación EcoMinga (an Ecuadorian conservation organization).



SCCSS Mini-Show MAY Winners

Open Succulent



1st: Maria Capaldo Euphorbia clandestina



2nd: Jim Gardner Euphorbia pseudocactus, Hybrid



2nd: Phyllis DeCrescenzo Euphorbia polygona 'Snowflake'



3rd: Phyllis DeCrescenzo 3rd: Gary Duke Euphorbia enopla Euphorbia hamata



Intermediate Succulent



1st: Mike Short Euphorbia polygona 'Snowflake'



1st: Lemono Lott Euphorbia lactea cristata



Euphorbia Hybrid_ (gorgonis × South African Cape)



2nd: Bernard Johnson 2nd: Bernard Johnson Euphorbia polygona var. horrida



3rd: Anita Caplan 3rd: Terri Straub Euphorbia enopla



Euphorbia squarrosa



3rd: Lemono Lott Éuphorbia pseudoglobosa

Novice Succulent



1st: Vincent Darmali Euphorbia polygona var. major



2nd: Braulio Mena Euphorbia obesa



2nd: M.A. Bjarkman Euphorbia sqarrosa



3rd: Braulio Mena Euphorbia schoenlandii



3rd: Vincent Darmali Euphorbia obesa



SCCSS Mini-Show MAY Winners

Open Cactus



1st: Maria Capaldo *Parodia scopa*



2nd: Phyllis DeCrescenzo *Parodia scopa*



3rd: Phyllis DeCrescenzo *Parodia concinna*

Intermediate Cactus



1st: Terri Straub *Parodia nivosa*



2nd: Bernard Johnson *Parodia magnifica*



3rd: Jackie Johnson *Parodia* × *erubescens*



3rd: Jackie Johnson *Parodia werneri*

Novice Cactus



1st: Vincent Darmali *Parodia sp.*



2nd: Vincent Darmali *Parodia × erubescens*



Monthly Cactus: Opuntia

Opuntia is a genus in the cactus family, Cactaceae. The most common culinary species is the Indian fig. opuntia (O. ficus-indica). Most culinary uses of the term "prickly pear" refer to this species. Prickly pears are also known as tuna (fruit) or nopal (paddle, plural nopales) from the Nahuatl word nopalli for the pads, or nostle, from the Nahuatl word nochtli for the fruit; or paddle cactus

Prickly pears typically grow with flat, rounded cladodes (also called platyclades) armed with two kinds of spines; large, smooth, fixed spines and small, hairlike prickles called glochids, that easily penetrate skin and detach from the plant. Many types of prickly pears grow into dense, tangled structures. Like all true cactus species, prickly pears are native only to the Americas, but they have been introduced to other parts of the globe. Prickly pear species are found in abundance in Mexico, especially in the central and western regions, and in the Caribbean islands (West Indies). In the United States, prickly pears are native to many areas of the arid Western United States, including the lower elevations of the Rocky Mountains, where species such as Opuntia phaeacantha and Opuntia polyacantha become dominant, and especially in the desert Southwest. Prickly pear cactus is also native to the dry sandhills and sand dunes of the East Coast from Florida to Connecticut/ Long Island (Opuntia humifusa). Further north, Opuntia occurs in isolated areas from the southern Great Lakes to southern Ontario. O. humifusa is also a prominent feature of the flora at Illinois Beach State Park, in Winthrop Harbor, Illinois, north of Chicago, and of Indiana Dunes State Park southeast of Chicago. In the Galapagos Islands, six different species are found: O. echios, O. galapageia, O. helleri, O. insularis, O. saxicola, and O. megasperma. These species are divided into 14 different varieties; most of these are confined to one or a few islands.

continued next page



Opuntia stricta



Opuntia stenopetala



Opuntia polyacantha



Opuntia monacantha



Opuntia macrocentra



By Tom Glavich



Monthly Cactus: Opuntia

For this reason, they have been described as "an excellent example of adaptive radiation". On the whole, islands with tall, trunked varieties have giant tortoises, and islands lacking tortoises have low or prostrate forms of Opuntia.

The first introduction of prickly pears into Australia are ascribed to Governor Philip and the earliest colonists in 1788. Brought from Brazil to Sydney, prickly pear grew in Sydney, New South Wales, where they were rediscovered in a farmer's garden in 1839. They appear to have spread from New South Wales and caused great ecological damage in the eastern states. They are also found in the Mediterranean region of Northern Africa, especially in Tunisia, where they grow all over the countryside, and arid southern Europe, especially on Malta, where they grow all over the islands, in the south-east of Spain, and can be found in enormous numbers in parts of South Africa, where it was introduced from South America. Opuntia species are the most cold-tolerant of the lowland cacti, extending into western and southern Canada; one subspecies, O. fragilis var. fragilis, has been found growing along the Beatton River in central British Columbia, southwest of Cecil Lake. Prickly pears also produce a fruit, commonly eaten in Mexico, known as tuna; it also is used to make aguas frescas. The fruit can be red, wine-red, green, or yellow-orange. Charles Darwin was the first to note that these cacti have thigmotactic anthers: when the anthers are touched, they curl over, depositing their pollen. This movement can be seen by gently poking the anthers of an open Opuntia flower. The same trait has evolved convergently in other cacti (e.g. Lophophora).







Opuntia basilaris





Opuntia aurantiaca

Opuntia leucotricha

Opuntia aciculata



By Tom Glavich



Monthly Cactus: Cylindropuntia

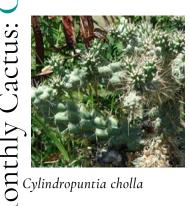
Cylindropuntia is a genus of cacti (family Cactaceae), containing species commonly known as chollas, native to northern Mexico and the Southwestern United States. They are known for their barbed spines that tenaciously attach to skin, fur, and clothing. Stands of cholla are called cholla gardens. Individuals within these colonies often exhibit the same DNA, as they were formerly tubercles of an original plant. Cylindropuntia was formerly treated as a subgenus of Opuntia, but have now been separated based on their cylindrical stems (Opuntia species have flattened stems) and the presence of papery epidermal sheaths on the spines (Opuntia has no sheaths). A few species of mat- or clump-forming opuntioid cacti are currently placed in the genus Grusonia. Collectively, opuntias, chollas, and related plants are sometimes called opuntiads. The roughly 35 species of Cylindropuntia are native to the southwestern and south-central United States, Mexico, and the West Indies. The Flora of North America recognizes 22 species. Some species have been introduced to South America (Chile, Ecuador, Peru) and South Africa.



Cylindropuntia hystrix



Cylindropuntia chuckwallensis





Cylindropuntia bigelovii



Cylindropuntia acanthocarpa Cylindropuntia arbuscula





Cylindropuntia carribae



Cylindropuntia bigelovii



Cylindropuntia anteojoensis



By Tom Glavich



Cylindropuntia alcahes



Monthly Cactus: Austrocylindropuntia

Austrocylindropuntia is a genus of cacti. There are 11 recognized species, native to South America. They have tuberous roots and cylindrical stems. Some species have persistent cylindrical leaves. The prefix "austro" means southern and so this is the South American version of Cylindropuntia.

Monthly Cactus: Austrocylindropunti Austrocylindropuntia vestita with fruits



subulata

Austrocylindropuntia





Austrocylindropuntia pachypus

Austrocylindropuntia floccosa



By Tom Glavich



Monthly Cactus: Tephrocactus

Tephrocactus is a small genus in the subfamily Opuntioideae which is endemic to Argentina. Like other members of this group, Tephrocactus does have glochids, however, they are uniquely sunken into the areoles in this genus. Spines may be long, dense and needle-like or thin and papery or absent. The stems grow in very distinct segments, but unlike the flat-pads found on the genus Opuntia, the segments of Tephrocactus are round. This can be either in short cylinders, egg shaped, or even spherical. These segments typically grow in a slightly zig-zagged stack. Flowers are white in most species or pinkish, sometimes yellow, and in one case red.

Some species in this genus are very popular in cultivation. Grown for their alien-looking stems and dramatic spines. Flowers are less common in cultivation as the segments often detach with the slightest touch. Plants that are only a couple segments high tend not to flower. As such, a flowering Tephrocactus is a special delight to the hobbyist.

Monthly Cactus: Tephrocactu

Tephrocactus articulatus var. diadematus



f. papyracanthus



Tephrocactus geometricus



Tephrocactus articulatus f. papyracanthus



Tephrocactus articulatus var. strobiliformis



Tephrocactus articulatus



Tephrocactus aoracanthus



By Tom Glavich



Monthly Succulent: Cissus

Cissus is a genus of approximately 350 species of lianas (woody vines) in the grape family (Vitaceae). They have a cosmopolitan distribution, though the majority are to be found in the tropics.

Uses...

Medicinal

Cissus quadrangularis has been evaluated for potential medical uses. As a source of carotenoids, triterpenoids and ascorbic acid the extracts may have potential for medical effects, including "gastroprotective activity" and benefits in terms of "lipid metabolism and oxidative stress". Cissus quinquangularis was used by the Maasai people of Kenya to relieve some of the symptoms of malaria.

Ornamental

Cissus antarctica, Cissus alata and Cissus incisa are cultivated as garden plants, depending on area of the world. Succulent members of the genus such as Cissus quadrangularis are also found in the nursery trade but tend to be frost tender and are thus not widely cultivated.

Ecology

Cissus species are used as food plants by the larvae of some Lepidoptera species including Hypercompe eridanus and Hypercompe icasia.

Monthly Succulents: Cissus

Cissus tiliacea



Cissus quadrangularis



Cissus tiliacea



Cissus cactiformis



Cissus subaphylla



Cissus quadrangularis



Cissus quadrangularis



By Tom Glavich

Monthly Succulents:



Monthly Succulent: Cyphostemma

Cyphostemma is a member of the Vitaceae or grape family. The members of this genus span the range of extremely easy to grow plants to real challenges. Most of the species will grow large, given time, good root room, lots of fertilizer, and water during the growing season.

Most Cyphostemma will set fruit. In almost all cases, the fruit is toxic to humans and most pets, although freely eaten by birds. The seeds in the fruit are ripe when the fruit turns color (usually red).

The key to success with these plants is to pay attention to the native habitat. Cyphostemma *juttae*, common in many collections, comes from South Africa. It takes some frost with no damage, and grows in the ground in Southern California, putting on bulk and character in just a few years. Cyphostemma seitziana, on the other hand comes from Namibia, and is much less tolerant of unprotected cold and overwatering.

Propagation is easy from cuttings and seeds. Seed of all the common and even some of the truly rare species is sometimes available through the CSSA or through some of the better South African and US seed dealers. Germination is erratic (days to months), and only one seed should be sown per pot. The seedling mix should be sterile and organic, and hold a lot of water. Scarring the seeds to allow water penetration helps. The seeds should be completely buried to provide uniform moisture. A plastic bag over the mix will help keep everything uniform. The bag should be removed as soon as any sign of green appears, the seedling leaves are large, and will rot if they touch the plastic. Softwood cuttings should be taken when active growth is occurring. Rooting does not require or even seem to benefit from hormones.

Uvphostemma Cyphostemma juttae



Cyphostemma currorii



Cyphostemma juttae



Cyphostemma cirrhosum



Cyphostemma bainesii



By Tom Glavich



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

Cactus

acanthocarpa [a-kan-tho-KAR-puh] From the Greek akantha (thorn) and karpos (fruit).

aciculata [ass-sik-yoo-LAY-ta]

- 1. Needle-like; needle-shaped.
- 2. Marked with fine, irregular streaks.

arbuscula [ar-BUS-ku-luh] Small tree.

articulatus [ar-tik-00-LAH-tus, ar-tik-y00-LAH-tus] Having joints, jointed.

aurantiaca [aw-ran-ti-AYE-kuh] Orange-red colored.

Austrocylindropuntia [oss-troh-sil-in-droh-PUN-tee-uh] From the Latin australis (southern) and the Greek cylindro (cylinder) and opuntia (referring to an ancient Greek city, Opus).

basilaris [bas-il-LAIR-iss, base-IL-ah-riss] Basal.

bigelovii [big-eh-LOV-ee-eye]

Named for Dr. John Milton Bigelow, 19th century professor of botany at Detroit Medical College.

cholla [KOL-luh] From the Mexican vernacular name for Cylindropuntias (Cholla).

Cylindropuntia [sil-in-drop-UN-shee-uh, sil-in-drop-UN-tee-uh] From the Greek cylindro (cylinder) and opuntia (referring to an ancient Greek city, Opus).

floccosa [flok-KOH-suh] Woolly.

hystrix [HIS-triks] From the Greek word for hedgehog; bristly.

inermis [IN-er-mis] Not spiny, unarmed.

leucotricha [loo-koh-TRY-kuh] White haired.

macrocentra [mak-roh-SEN-truh] Large center.

microdasys [my-kro-DAS-is] Small and bushy.

monacantha [mon-ah-KANTH-uh] From the Greek

monos (one, only) and akantha (thorn, spine). **Opuntia** [op-UN-shee-a, op-UN-tee-a] Named after
Opus (Greece), an area where other cactus-like plants

were grown.

pachypus [PAK-ee-pus] Thick foot, stem or roots.

polyacantha [pol-lee-uh-KAN-tha] Many spines.

stenopetala [sten-oh-PET-al-uh] From the Greek stenos (narrow) and petalum (petal).

stricta [STRIK-tuh] Erect, upright.

subulata [sub-yoo-LAH-tuh, sub-yoo-LAY-tuh] Awl-shaped.

Tephrocactus [tef-roh-KAK-tus] From the Greek tephros (ash-colored) and cactus.

vestita [VES-tee-tuh, ves-TEE-tuh] Clothed, dressed.

Succulent

alata [a-LAY-tuh] Winged.

antarctica [ant-ARK-tee-kuh] Of or from the Antarctic region.

cactiformis [kak-TIF-for-miss] Shaped like a cactus.

cirrhosum [sir-ROH-sum, kir-ROH-sum] Having tendrils, curly hair.

Cissus [KISS-us, SISS-us] Latin name for Ivy.

Cyphostemma [sy-foh-STEM-uh]

From the Greek kyphos (tumor, hump) and stemma (garland, crown).

incisa [in-KYE-suh, in-SIGH-suh] Deeply cut.

juttae [JOO-tay-ee] Named for Jutta Dinter, the wife of Professor Kurt Dinter, 20th century German botanist and collector in Africa.

quadrangularis [kwad-ran-gew-LAIR-iss] Four-angled.

trifoliata [try-foh-lee-AY-tuh, try-foh-lee-AT-uh] Three leaves.

tiliacea [til-ee-AH-see-uh] Linden-like, referring to the similarity in the leaves, compared to the Linden (Tilia) genus.



2023 CSSA SHOW AND SALE





SCCSS Mini-Show Standings

Click here for sortable standings

Novice Class	Cactus	Succulents	Total	Intermediate Class	Cactus	Succulents	Total	Open Class	Cactus	Succulents	Total
Bjarkman, M.A.	7	6	13	Caplan, Anita	2	7	9	Capaldo, Maria	16	23	39
Bjerke, Martha	О	16	16	Johnson, Bernard	22	20	42	DeCrescenzo, Phyllis	20	26	46
Cottrell, Diane	О	3	3	Johnson, Jackie	18	25	43	Duke, Gary	9	6	15
Darmali, Vincent	10	8	18	Lott, Lemono	1	13	14	Fasteau, Sally	3	5	8
Diaz, Gloria	2	4	6	Short, Mike	2	17	19	Gardner, Jim	20	27	47
Dorsey, Martin	О	12	12	Straub, Terri	22	27	49	Hanna, Jim	О	15	15
Galliani, Debra	10	1	11					Woodley, Laurel	6	4	10
Marek, Robert	2	О	2								
Mena, Braulio	o	16	16								
Mullen, Shane	6	3	9								

Mini-Show Rules

Nisewaner, John

Smiley, Barbara

Tillotson, Joseph

Unrine, Judy

Exhibitors must be club members and must be present at the meeting in order to receive points. One name representing the same household must be used unless plants are grown separately. Mini-show coordinator will be consulted if there is any question of entry identity.

o

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o

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16

2

1

1

16

2

1

1

Any container may be used, including plastic, as long as it is clean. All plants must be groomed and free of pests and disease.

There are two plant categories, "Cactus" and "Succulents". Up to three plants per individual may be entered in each category.

There are three entry classes: "Novice", "Intermediate" and "Open". Only members new to the hobby would be expected to be in the novice class.

After the November meeting, members' point totals will be reviewed by the Board of the Society. Novice members awarded more than 64 points or winning at least 6 first place awards will be asked to move to the Intermediate class in both categories. Intermediate Members awarded more than 64 points or winning at least 6 first place awards, will be asked to begin showing in the Open class.

All plants must be grown by the exhibitor for a minimum of six months for novice and intermediate and one year for open class. An individual plant may be entered only once a year

Scoring:

First Place: 6 points Second place: 4 points Third place: 2 points

Placement: all entries that are not disqualified receive one point



Mini-Show Plant Calendar





Mini-Show Plants for 2023-2024							
June 2023	Opuntia, Tephrocactus, Cylindropuntia, Austrocylindropuntia	Cissus, Cyphostemma					
July 2023	Melocactus	Bromeliaceae (other than Tillandsia)					
August 2023	Astrophytum	Sedum, Pachyphytum, Sempervivum					
September 2023	Ariocarpus, Obregonia	Adenium, Adenia					
October 2023	Copiapoa	Graptopetalum, Graptoveria, Pachyveria					
November 2023	Crested and Monstrose	Crested and Monstrose					
December 2023	HOLIDAY POTLUCK	HOLIDAY POTLUCK					
January 2024	Mammillaria - Hooked Spines	Caudiciform (Beaucarnia, Calibanus, Dioscorea, Fockea, etc.)					
February 2024	Coryphantha, Escobaria, Acharagma, Cochemiea, Sclerocactus	Gasteria and hybrids					
March 2024	Echinocereus	Dudleya, Cotyledon					
April 2024	SHOW & SALE	SHOW & SALE					
May 2024	Eriosyce, Neoporteria, Neochilenia, Islaya	Crassula					



South Coast C&SS monthly meeting June 11, 2023 @ 1:00 pm - 4:00 pm PDT

South Coast Botanic Garden, Frances Young Hall 26300 Crenshaw Blvd., Palos Verdes Peninsula, CA,

PRESENTER FOR MAY:

Ron Kaufmann
"Life on the Rocks:
The World of Rupicolous Orchids"



San Francisco Succulent & Cactus Society – Summer Show & Sale 2023 June 16 - June 18

San Francisco County Fair Building 1199 9th Ave., San Francisco Jun 16-18, Fri. member-only preview.

Info. schedule & details at https://sfsucculent.org



CSSA – Annual Show and Sale 2023 June 23 @ 10:00 am - June 25 @ 5:00 pm PDT

Huntington Botanical Gardens 1150 Oxford Road, San Marino, CA,

CSSA Annual Show and Sale --Reservations Required Sat-Sun

Plant sales start June 23 thru June 25 10am-5pm Show opens...

For more information and to learn more



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