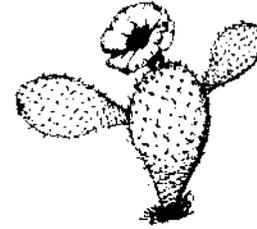




Woody Minnich's *Abromeitiella*

# The Cactus Patch



*Opuntia basilaris* var. *treleasei*

Volume 6    **March 2003**    Number 3

THE NEWSLETTER OF THE BAKERSFIELD CACTUS & SUCCULENT SOCIETY

This Month's Program

## Quiz Program #1

A CSSA slide show featuring

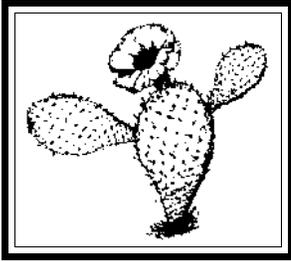
**Gordon Rowley**

### Monthly Meeting

**Tuesday, Mar. 11**  
Olive Drive Church  
5500 Olive drive at 7 PM

(West of 99 freeway on corner  
of Olive drive & Victor street)

**Plant of the**  
**Month**  
**Monstrose**  
**& Crest**



# The Cactus Patch

Volume 6    Number 3  
March 2003

The Cactus Patch is the official publication of the Bakersfield Cactus & Succulent Society (BCSS) of Bakersfield, California. Meetings are held on the second Tuesday of each month at the times and places noted within.  
GUEST ARE ALWAYS WELCOME

## 2003 Officers

**President - Bonnie East**  
**Vice-President - Terry Skillin**  
**Treasurer - Maynard Moe**  
**Secretary - Lynn McDonald**  
**Editors - Stephen Cooley**  
**Linda Cooley**

## 2003 Directors

**CSSA Representative - Bobby Williams**  
**Past President - Rob Skillin**

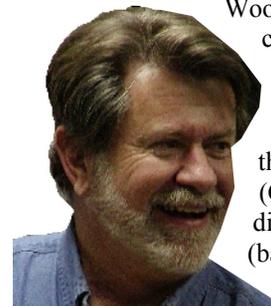
## 2003 Chairpersons

**Hospitality - Bill McDonald**  
**Historian - Bobby Williams**  
**Librarian - Bobby Williams**

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We started off the meeting by getting new name buttons! Thanks to Sidney for making them! We welcomed new member Dan Nystrom and saw lots of returning "new" faces. Bonnie made some announcements, reminding members that the yard sale will happen in May and that she and Lynn are working on arranging some field trips for the near future. Terry mentioned that the Potluck yard tour at Roger and Hoolys's house will be March 2 between 3 and 5 pm. We looked at some designs for a new t-shirt and members were asked to vote for their favorites. The cactus garden at FACT was mentioned and Steve Crippen said there would be a committee meeting soon. Lynn mentioned a few items, including that there was a meeting regarding logging in the Sequoias, the Garden Show would be at the Fair Grounds Feb 21-22 and that members might look for a Banner that we could use for the club. She also informed us that the Continuation school would be dedicating the cactus garden to the memory of Marilyn Cowie, who, with her husband Charles, spent a lot of time working on the garden. The club will make a donation in her memory. Lynn reminded us that the CALM commitment needs to be attended to! Bonnie reminded members that the memorial service for Marilyn Cowie would be on Feb. 15. Finally we were ready for the program!



Woody Minnich was our speaker, and he told us lots about basic cactus and succulent care and identities. He clarified the differences between cacti and succulents and pointed out that a key to caring for your plants was to find out the conditions it likes in its habitat. (We have a great library for this kind of research, by the way!) He told us about CAM (Crassulaen Acid Metabolism) plants and how they are different from other plants and how that affects their care (basically, they should be watered in the late afternoon or early evening...) We saw lots of great slides of the A-Z of cacti and succulent genera, which gave us good background information. Thank you, Woody for a fascinating presentation! Thanks also for bringing great plants for us to purchase! We concluded with the Plant of the Month and our raffle.

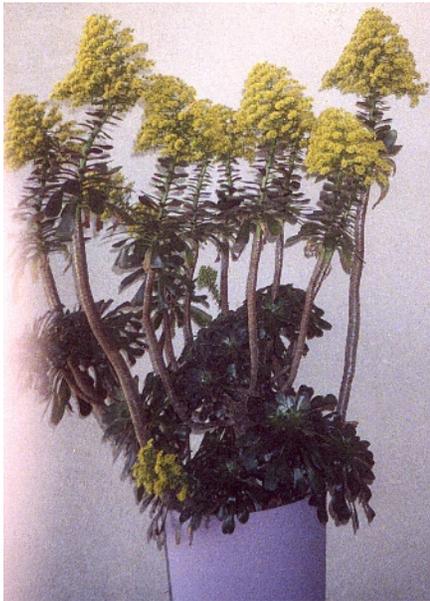
## PROGRAM NOTES

### Cactus Query

Time to put on those thinking caps and join your fellow club members in the rousing competition of **Gordon Rowley's 'Quiz Program #1'**! This 35 slide program is sure to tickle your wits and entertain. Those in attendance will get the opportunity to group with other club members in a friendly team type competition, with the winners taking home some pretty nice plants to add to their collections. Fun and fast, you're sure to learn some facts about cactus and succulents that you never knew before, or maybe you'll just brush up on those facts you do know! This will be a great way to meet your fellow members, and learn what their specialties are. So, come prepared to have some fun and dive further into the wonderful world of cactus and succulents!

Terry Skillin

## Member's Forum



### Zwartkop (*Aeonium arboreum*) by Georgia Farmer

This is a picture of my Zwartkop in full bloom last year. It is now putting out new growth.

Zwartkop (*Aeonium arboreum*) is a pretty plant, fairly tolerant to cold but does not like heat. Filtered or diffused sunlight is best.

I have shared my plant with several here and they have grown with beauty. The limbs are delicate and easily broken off but placed in soil, immediately start growing.

[editor's note: Zwartkop is also known under the name

'Schwartzkopf' and is synonymous with *Aeonium manriqueorum* 'Zwartkop' and *Aeonium arboreum* 'atropurpureum'. If you have something you would like to say to the club about anything at all -- feel free to send it to me and I'll get it in the newsletter

## Plant of the Month

### Quizzical Plants: Monstrose and Crested Succulents

by L. M. Moe

To understand what causes monstrose and crested succulents, a brief look at how plants grow is necessary. All plants grow in length by increasing the number of cells at the tips of shoots and roots. These regions of active cell division are called apical meristems and this growth is called primary growth. Some plants, most notably the monocots (grasses, lilies, aloes), have meristems (called intercalary meristems) at leaf bases that cause leaf elongation. (This is why grass leaves continue to grow after they have been mowed). In woody plants there are additional meristems called lateral meristems that produce secondary growth. The most important lateral meristem is the vascular cambium, which produces wood and bark. Monstrose and crested growth only involves primary growth.

Cell divisions in the apical and intercalary meristems are highly regulated and finely tuned in each kind of plant, resulting in distinctive



Crest of *Euphorbia resinifera*



Crest of *Trichocereus*

stem and leaf shapes. For example, very rapid apical growth with a suppression of branching (called apical dominance) results in long, slender stems whereas, slower growth results in "fatter" stems. Stems without apical dominance are highly branched. In general, cacti have apical dominance with slow apical growth and are "fat" (and the cells filled with water, making them succulent). So, in cacti faster growth results

in columnar cacti and slower growth results in barrel cacti.

Occasionally something called a growth mutation happens that "messes up" these regulated and coordinated cell divisions in the primary meristems. The causes of these mutations range from injury to bacterial or viral diseases. The three most common types of growth mutation are crests, monstrose growth and variegation.

In crests the growth mutation changes the shape of the apical meristem. Instead of a single growth tip the area of active cell growth becomes a line, resulting in fan-like or crested growth (see photos of crested *Euphorbia resinifera* and crested *Trichocereus*).

In monstrose growth, the local apical dominance is lost and every growth tip tries to grow as if it were the dominant point, resulting in a "knobby" or "lumpy, jumbled" growth.

Variegation can be a topic for a future newsletter, if there is interest. Please let me know.

Cresting and monstrose growth is not unique to succulent plants. Crests are found in many genera of non-succulent plants, including conifers and many common garden plants.

Crests and monstrose plants are grown the same as normal plants of the same species except that crests and monstrose plants tend to be more sensitive. This is one of the many reasons they are often grown as grafts. Monstrose and crested plants flower and produce seed just as other plants do. However the growth mutations are not generally transmitted by seed so the best way to propagate these plants is by cuttings.

More photos of crested and monstrose succulents can be found in our club library or at [www.miles2go.com/crest.htm](http://www.miles2go.com/crest.htm).

## CIRCLING THE OKAVANGO

January 2003

A Letter From Bruce



[editor's note: due to technical problems I was unable to put Bruce's January letter into the last Cactus Patch. So this month you get a Bonus Bruce!]

After James & Emily returned from Khutse we began the Holiday Season with the second annual solstice party on the 21<sup>st</sup> at the Teed/Rollo's. On Mon. 23<sup>rd</sup> J, E & Polly took our maid Lenah to her home at Odi and had a look at all our old furniture. All four of us visited the main museum on the 24<sup>th</sup> and celebrated the evening with fish tacos. Next morning we opened presents. Among mine was a pile of books from Anne including The Revenge of the Wrought Iron Flamingos by Donna Andrews (2001, St. Martin's Paperbacks, N.Y.) I knew those critters were dangerous. I thought, at least this time, they would not be associated with cacti, but I was wrong. During the re-enactment of the battle of Yorktown people are bothered by little cactuses! I presume these are *Opuntia humifusa* which I have seen from Jones Lake, North Carolina to Long Island, New York. At any rate, I would not recommend the traditional treatment from the Revolutionary War period – lard with sulfur! In the afternoon we returned to the Teed/Rollo's for a turkey dinner.

Thurs. the 26<sup>th</sup> I took J, E & P on a history tour of "The Village", the oldest section of Gaborone with its Boer war graveyard, remains of a fort etc. On the 30<sup>th</sup> Andrena Teed took them to Mokolodi Nature Reserve and they saw ostrich & rhino. On the 31<sup>st</sup> the 4 of us went to Kolobeng (a National Monument with the remains of Livingstone's mission) and Manyana (another N.M. with rock art and a huge fig under which Livingstone is said to have preached). Then we went to Camphill, an institute for handicapped where James had done volunteer work, and had lunch while visiting their plant nursery (a few succulents - I bought *Aloe arborescens*), pottery shop, gift shop etc. That evening we watched the New Year in Sidney and later went out in front of our house to watch neighborhood fireworks. (There are no restrictions here.) Next day we had a BBQ at other friends, the Farmers, at their old house and then drinks at their new house (under construction) far south of town. I dug up a wild *Amaryllis* relative (with their permission) which has remarkable curly leaves.

On the 2<sup>nd</sup> we saw the last of many movies with J&E - "The Guru", a Hollywood version of a Bollywood production! It was great

(but parents be warned - he is the guru of sex and there is a flash of nudity). Finally, on the 3<sup>rd</sup> we said a sad good bye to James & Emily. If anyone else wants to drop in, our spare room is spare again. (Also we can design dynamite tours if you feel up to one.)

As if all that weren't enough, on Sun., Jan. 5<sup>th</sup> I set off for Maun at the bottom of the Okavango with Moffat Setsogho from the University of Botswana, D. Menyatso, our museum horticulturalist and a driver D. Mothomme. We set up our tents that evening on the banks of the Thamalekane. Next morning we shopped and visited the Peter Smith Herbarium. Then it was off around the west side of the delta to Gomare. At the police station there we revisited a giant *Orbea* and found it had been collected locally. I have been growing it for 9 months, but still have not seen the flowers. I hope it is the purple-flowered *Orbea valida*, but the police say the flowers are yellow. This would make it *Orbea lutea*, but I've never seen one this big. We camped that night at Shakawe at the top of the panhandle of the Okavango.

On the 7<sup>th</sup> we had our flat spare repaired at the Botswana Defence Force Camp and went up to Mohembo where there is a ferry across the river. We stopped to collect seedlings of a Mimosa which reacts to touch by closing its leaves. From then on it was dirt/sand road. We stopped at the only known site of *Habernaria pasmithii*, an orchid named for the late Peter Smith, but the flood plane was dry and partly burnt and no orchids were seen. I did find flame lilies (*Gloriosa superba*) and a milkweed with edible fruit (*Orthanthera jasminiflora*). That evening we camped at Seronga at the bottom of the panhandle. It can be reached by a two-hour boat ride (only \$5) from the paved road on the west side of the delta. We collected a lot of flowering and fruiting trees along the river, including the sausage tree, *Kigelia africana* with its big woody fruit.

On the 8<sup>th</sup> we drove NE to the Buffalo Fence separating cattle and wildlife. There we entered the Selinda Reserve (which had the giraffe and zebra Emily missed seeing) and followed the flood plain of the Selinda Spillway (a sometimes overflow from the Okavango) which actually denotes the Gomare Fault, one of three which form the delta's shape. This led us to the Kwando River at a crossroads of water. Sounds impossible? The Kwando comes down from Angola, reaches the Gomare Fault, does a right angle turn to become the Linyanti River and later does another couple of right angle turns to become the Chobe River, which then joins the Zambezi. (Incidentally, Mose oa Tunya or Victoria Falls also is formed by a fault parallel to the Gomare one. It's all part of the southern end of the Great Rift Valley, which starts up in Turkey.) In addition, water from the Kwando occasionally crosses the fault and

forms the Savuti channel, which ends in the Mababe Depression of Chobe National Park. And this is only part of the fluid river system of Northern Botswana.

At the Kwando River we visited James' Camp (now Botswana Defence Force) but failed to find another rare orchid there. That night we pitched our tents at the HQ for the Selinda Reserve. I had hoped to meet researchers there as the reserve is starting a herbarium, but they were all out.

On the 9<sup>th</sup> we drove S to the Moremi Game Reserve, stopping (unsuccessfully) at the only known locality in Botswana for *Orbea gossweileri*, another purple flowered one. We also stopped to remove a tree which elephants had placed on the road. At the North Gate we saw more zebra and giraffe as well as waterbuck and then crossed a wooden log bridge into the Reserve. The branch of the Okavango here is the Kwai, so it is a bridge over the River Kwai. We drove out to Mboma Island with a park researcher as required by my permit. He turned out to be an old acquaintance, B. Pelekekae, who years ago had led me to the only locality for the desert candle (*Monsonia salminifolia*) in Botswana in the SW at Tshabong, but we discovered that the localities for rare orchids I wanted were all out in the water. We then arranged with Dr. Kurukunda, a botanist of Water Affairs (for which Peter Smith had worked) for a boat at sunup. We camped that night back at the North Gate. I looked for *Orbea schweinfurthii*, which is reported for the Kwai, but didn't find it.

We started out with a boatload, but after a brief channel run the other intrepid three from Gaborone were left (at their request) on shore while we hunted GPS points on the water. We found orchids (*Eulophia latilabris*, which has 3 foot high leaves, and the smaller *Eulophia tanganyikensis*) at the first stop, but then found our motor was burnt out. Proceeding at very slow speed, we reach the nearest dock and fortunately did not have to wait long before we were found by a wildlife boat, which lent us a spare motor! We found the second GPS point, but no orchids. At any rate Dr. Kurukunda had found a small one there previously and will continue looking. On the way back we encountered hippo, elephant and large crocodiles and snacked on water berries (*Syzgium cordata*).

Picking up the intrepid landees, we proceeded to the South Gate and picked up paved road soon after going through the buffalo fence. We reached Maun just in time to fuel up for the Saturday drive home. (The Government fuel point is only open on weekdays.) On Saturday we met zebra strolling down the road next to the entrance to the Makgadikgadi National Park.

Back in Gaborone life is getting back to normal except for the

awful heat. Due to drought conditions temperatures have been in the 40's C (104+F) and I can only work because my office is air-conditioned. I hope we get some cooling rain soon. We have taken down the tree with its parrot lights and I finally finished my yearly Christmas puzzle (this time a Fish Eagle of 1500 pieces). Now to send out a late newsletter.

*Bruce J. Hargreaves*

## Two Reports from Southeast Asia by Lynn McDonald

[editor's note: BCSS Secretary Lynn has traveled many times with a medical group which teaches surgical techniques to developing countries. She showed us all about it in a program presented back in October 2000. She is off again and has sent these letters.]

### REPORT #1:

Only a few potted succulents have been seen thus far between Hong Kong, Saigon & Dien Ban. I may have stumbled on the perfect jet lag combo for me -- xanax, benadryl & the anti-jet lag herbal tablets from Trader Joe. Fifteen hours ahead of "home" and yet feeling peppy and able to work & sleep at appropriate times. We have seen some lovely babies so far and a few sad situations as well. It is sad when we cannot help so many in need.

We may be out over the weekend, perhaps including a day foray into a national park, and perhaps there will be more to report.

### REPORT #2:

We have finished our first week of surgery. So many in the clinics, it can be daunting. So many in need. We triage by age, health. Of course, those who have colds or potential multiple problems, or are too complex, we cannot do & must send away. We attended part of a function for physician's Day here w/ speeches & lots of loud romantic sounding songs (perhaps because I was sitting in front of the speaker)

Just before we took off for the weekend, I think I broke my little toe getting into the shower. It is large, purple & aches! Now we are in the ancient capital, north of the DMV, Hue. We took a train ride "for the experience" (quote from our team leader) Oddly enough, the clean AC bus left us at the Da Nang train station, where we waited for two hours. The bus went on w/ our luggage. We were on the funky train with cockroaches & people picking lice from one another's hair, so I sat upright the entire three plus hours.

Today we visited the ancient city, the Citadel. One of our team, a translator/ secretary from Orange County, is from Hue. Her mother was raised for several years in the inner purple forbidden city. She is so excited to be here to show us around. We also visited one of the oldest Buddhist pagodas & the tomb of one of the emperors. We hope to do a little shopping tonight, as half the team is headed off to a National Park, Bach Ma, at 0700 tomorrow, Sunday morning.



## THINGS FALL APART -- AGAIN Another Letter From Bruce

In Feb. 2002 I wrote a depressing report. Now it is *déjà vu* all over again. We took our Hyundai in for brake repair and it stayed for further repair. Then the Citi Golf stopped dead and had to be pushed two blocks home one evening. (A loose distributor wire, but it left us car-less.) Next, a lightning storm knocked out the TV and blew down the phone line. Meanwhile at the museum, the server was down on the e-mail and for brief periods we had no air-conditioning (& the heat continued). The Hyundai broke down after its repair and the citi golf needed further repair.

We have finally had some decent rain and things are cooler. (Jeremy Burgess, a friend, was visiting his parents in Malawi & reported cyclones there. I said send some of the rain here and Bingo! We got it.) Repairs have been made and things are getting back to normal. The best news is that on 10<sup>th</sup> Feb. Phase I of the Botanic Garden was actually commissioned! Construction started on the 17<sup>th</sup>. We should have the old building restored as the visitors' center, a café, public toilets, parking, fencing, paths etc. by the end of the year.

Also I've had a bit of luck in collecting. I found *Piaranthus decipiens* in flower near Molepolole and a huge *Raphionacme burkei* tuber (23 cm [7 in] across) just at the edge of Gaborone. (Unfortunately this was just after I gave a talk on Asclepiads at Mokolodi Nature Reserve.) A 25 cm (8 in) mushroom (*Amenita foetida*) came up in the Botanic Garden lawn.

We went to Mokolodi on Valentine's day to hear our friend Kay Weir sing. The singing was good, but everything was late -- especially the food. On Sat. the 22<sup>nd</sup> our choir is singing at a benefit for the Lady Khama fund for the arts. (This is a memorial to Ruth Khama, widow of Botswana's 1<sup>st</sup> President; she died last year.)

I still managed to find plant references in odd places. In the novel Trevayne (Robert Ludlum, 1994, Harper/Collins, London) I came across the following: "You get older, things don't seem so complicated... Sheep don't survive in the desert; a cactus doesn't grow in a wet jungle. This Trevayne, he's in the wrong environment." I presume Ludlum knew of bighorns & epiphyllums and was being ironic as one of the themes of the book centers on the government mis- & dis- information of the 70's. Another interesting item was the mention in Extraordinary Powers (Joseph Finders, 1993, Ballentine, N.Y.) of "...that wonderful invention, the Bulgarian umbrella, whose tip injects deadly ricin." Ricin has also been mentioned a few times on BBC TV (pronounced as "rice in") since it is one of the alleged weapons in Iraq. It is

found in the seed of *Ricinus communis*, the castor oil plant. Fortunately, it is left behind when the oil is pressed out. (Though, like all medicines, castor oil can be bad in heavy doses.)

*Bruce J. Hargreaves*

## A Letter From Bob Barth

Anyone who has read these CSSA promotional articles in their affiliate newsletter, even occasionally, is surely well aware of the personal benefits of CSSA membership. I'll reiterate them once more: your own copy of the CSSA journal and newsletter 6 times a year, access to the seed depot (source of seeds of rare cacti and succulents at nominal prices), ability to attend biennial CSSA conventions and CSSA field trips in the USA and abroad, and finally, the opportunity to compete for one of the Herman Schwartz travel grants to visit areas around the globe rich in succulent plants. For the cactophiles among you, Dr. Schwartz has added South America to the list of locales that can be visited.

2003 is, of course, a convention year, so it's a good year to be a CSSA member, a necessity if you are planning to attend the convention. The St. Louis venue is, of course, conveniently located in the center of the country, which should appeal particularly to midwestern and east coast members. My Fall 2002 promotional article focused on the array of excellent speakers the organizers have lined up and on the array of sites and activities available in the St. Louis area for the families of cactophiles. Attendance at a convention is, of course, good for renewing old friendships and initiating new ones. Also, significant additions to your plant collections and libraries are possible for those patronizing the sales area and participating in the rare plant auction. Proceeds from the latter benefit the CSSA research fund, a truly worthy cause. **The St. Louis convention (June 14-19, 2003) features two days of programs focused on succulents, a field trip day and two days devoted to cacti.** Daily, as well as weekly, registration is available, so those with limited time can focus on their favorite plants. The middle field trip day features three day-time trips, one to the world famous Missouri Botanical Garden Herbarium and Library, one to Forest Park, 1904 World's Fair Art Museum, Zoo and Jewel Box Conservatory, and one to the Cass Bonsai Garden. In the evening there will be a river boat cruise with dinner and a live Dixieland jazz band. Additional updates on convention activities can be found in the CSSA newsletter, *To the Point* and on the CSSA website: [www.cssainc.org/convent.html](http://www.cssainc.org/convent.html).

**In connection with the St. Louis Convention, there will be a pre-convention tour for CSSA members to the four corners area of New Mexico, Colorado and Utah.** The tour departs St. Louis for Albuquerque on June 7<sup>th</sup> and returns to St. Louis on June 14<sup>th</sup> in plenty of time for the mixer opening the convention. The tour will afford an opportunity to see and photograph many unusual winter-hardy cacti of the genera *Echinocereus*, *Escobaria*, *Mammillaria*, *Pediocactus*, and *Sclerocactus*, etc., in habitat. The trip will also include a visit to Mesa Garden, the well-known cactus and succulent nursery in Belen, NM. Dave Ferguson will be the botanical guide. More information on the trip can be found in the Nov. – Dec. issue and subsequent issues

of *To the Point* and on the CSSA website:

[www.cssainc.org/tripscom/tripscomhome.html](http://www.cssainc.org/tripscom/tripscomhome.html) .

**In this article I'd like to focus on what the CSSA does to benefit affiliate societies and what affiliate societies in turn can do for CSSA.** In enumerating some of the benefits CSSA provides affiliates, I'm drawing from a list prepared by Norma Lewis, well-known in the Los Angeles area as the Crassula Lady. Thanks, Norma! Through the journal and newsletter, the CSSA provides information of all sorts from descriptions of new succulent plant species to articles on cultivation to announcements of affiliate societies' special events, shows, and sales, etc. By organizing biennial conventions, the CSSA brings the affiliates together and provides outstanding speakers from around the world. We also can arrange for foreign speakers traveling the country to offer programs to local societies. Through our research grant program we support research efforts, which can ultimately benefit hobbyists in a variety of ways. One such way is the ISI plant introduction program which offers members new plants with documentation for their collections. The Seed Depot also provides members with plant material for their collections. We also offer an advertising outlet for succulent plant nurseries and book sellers, and provide a number of plant, book, and pottery dealers at each convention. We keep affiliates aware of conservation issues and laws and regulations affecting our hobby. We have a certification program for succulent plant judges and can provide judges for affiliate judged shows. The CSSA maintains a slide library that provides programs for affiliates at nominal cost.

In turn, affiliates can offer benefits to the CSSA. Affiliates can contribute money to the research fund, thus enhancing our ability to provide research grants, or to the journal color fund, which improves the quality and attractiveness of the journal. A number of affiliates make such contributions on a regular basis. Affiliate members can write articles for the journal or the newsletter and, indeed, are encouraged to do so. **Clearly, however, the most important contribution each affiliate society can provide the CSSA is to increase the number of your members who are also members of CSSA.** We've always suspected that the percentage of affiliate members who are also members of CSSA is quite low. Actual data from 11 of 78 US affiliates, a small sample size, shows a considerable range from a high of 77% (congratulations Kentucky C & SS) to a low of 4%. The second and third highest percentages go to Atlanta C & S Club (67%) and South Coast C & SS (57%). **The more members CSSA has, the more we can do for affiliates and individual members, so we all would benefit from increased CSSA membership.** We hope that affiliate officers across the country will give serious consideration to the issue of increasing the percentage of affiliate members who are also CSSA members. Any suggestions would be appreciated by the membership committee.

Hope to see you at the convention!

Bob Barth, Publicity Chair,  
CSSA Board of Directors

# ANNOUNCEMENTS

The Bakersfield Cactus and Succulent Society is currently looking for a new Librarian/Historian. The Club Librarian checks out books, orders new books and keeps a file of club-related articles and activities. If you are interested, be sure to speak to an officer about this position.

Speaking of Libraries, did you know that the club has a fairly large selection of books and journals related to our hobby? All of these books are available for check-out!

The Yard Sale will be held on May 17-18 at the Skillen's yard. Start collecting all that great stuff you don't need or want any longer!

We are now a member of the BCSS--that's the BRITISH Cactus and Succulent Society. We will be receiving their journal and it will be available through the library.

If You Haven't Paid Your Dues then this is your last newsletter!

Membership in the Bakersfield Cactus & Succulent Society costs \$10 per year for an individual and only \$15 a year for a family. This extraordinarily reasonable price not only includes twelve issues of The Cactus Patch but entitles you to participate in club field trips to far-off (out-of-town) and exotic places (more exotic than Bakersfield). You will also receive a nifty name tag that will be your ticket to the members only plant raffle held every meeting featuring the best plant from the raffle table! All this is in addition to the wonderful programs and people at the meetings. To become a member contact:

Maynard Moe, treasurer  
[Lithops44@bak.rr.com](mailto:Lithops44@bak.rr.com)

**To have your article printed in  
The Cactus Patch get in touch with:**

Stephen Cooley, editor  
[thecactuspatch@bak.rr.com](mailto:thecactuspatch@bak.rr.com)

Linda Cooley, editor

# CALENDAR

**Mar 11 BCSS meeting; 7:00 pm Olive Drive Church**

**Mar 25 BCSS Executive meeting at the Skillen's home.**

Mar 29-30 Colorado C& SS Show and Sale, Denver Botanic Gardens.

**Apr 8 BCSS meeting; 7:00 pm Olive Drive Church**

Apr 12-13 Cactus Show & Sale presented by the South Coast C&SS.

9am to 4pm South Coast Botanical Gardens, 26300 Crenshaw Blvd,  
Palos Verdes Peninsula. For information contact: Dick Hulett

Apr 26-27 C&SS of Monterey Bay Semi-annual Show in the courtyard of  
Jardines Restaurant, 115 Third St., San Juan Batista. 9am to 5pm.

Call Ruth Pantry for info

May 3-4 Sunset Succulent Society Show & Sale. Garden Room, Veteran's  
Memorial bldg. 4117 Overland (at Culver), Culver City.

Saturday 10-5 Sunday 10-4 FREE admission

May 3-4 Tucson C&SS Show & Sale at Junior League of Tucson, 2099 E.  
River Rd., Tucson. Info: Dick Weidhopf Kevin/Helen.

May 4 Santa Barbara C&SS Show & Sale (non-judged) McKenzie Park,  
corner of State and Las Positas Streets. 10am-3pm. Info:

Miyako or email Martin Dent:

**May 13 BCSS meeting; 7:00 pm Olive Drive Church**

**May 17-18 BCSS Spring Yard Sale**

May 18 Epiphyllum Society of America Show and Sale. Ayers Hall,  
Arboretum of LA County, Arcadia [www.epiphyllum.org](http://www.epiphyllum.org)

June 11 - Aug 22 Cactus & Succulent Photo Exhibit.

Missouri Botanical Gardens, St. Louis.

June 14-19 CSSA 30th Biennial Convention, St. Louis

July 5-6 CSSA Show & Sale. Huntington Botanical Gardens

Aug 16-18 Annual Intercity Cactus & Succulent Show & Sale. 9am-5pm.

LA County Arboretum, 301 N. Baldwin Ave, Arcadia. Info:

Aug 30 20th Succulent Plant Symposium, Huntington Gardens  
626-405-2160 or 2277

For more information concerning calendar events, contact the editors

**Be Sure to check us out at: [www.BakersfieldCactus.org](http://www.BakersfieldCactus.org)**