

TUCSON CACTUS AND SUCCULENT SOCIETY

FEBRUARY MEETING ANNOUNCEMENT

PLEASE TAKE NOTE: DUE TO THE SENSATIONAL RESPONSE EXPECTED FOR OUR FEBRUARY PROGRAM. WE HAVE CHOSEN TO MOVE OUR FEBRUARY 4 MEETING TO THE ARIZONA HEALTH SCIENCES CENTER (UNIVERSITY HOSPITAL), 1501 N CAMPBELL, ROOM 5403. There's plenty of FREE parking.

Steven Hammer, of Mesa Gardens in Belen, New Mexico, is an internationally respected authority on the genus *Conophytum*. His illustrated presentation, "Something New out of South Africa," features Mesemb, Bulbine and Tylecodon genera. Surely this "eccentric delight" will include slides of his favorites: rare and wonderful dwarf succulents!!

I sure hope YOU will attend this wonderful program....not simply a lecture, but a small sampling of the excitement surrounding Tucson's journey towards CSSA '95!

JANUARY MEETING REPORT

Thirty-two attended our first meeting of 1993 - on a new day, at a new time, under a new President, and in pouring rain!!

Mark Dimmitt, curator of plants at the Desert Museum, gave a very educational presentation on *Adeniums*. Indigenous to Africa and Arabia, these easy-growers respond to special attention as follows:

- SUN: The Karoo Rose is best grown in light afternoon shade.
- TEMPERATURE: These succulents love heat and must not freeze.
- WATERING: Allow soil to dry between generous waterings during hot weather (90 degrees or better). Do not water at all when plants are dormant (leafless) or when nights are consistently below 50 degrees.
- FEEDING: Mark recommends using a balanced fertilizer (1/4 strength applied at each watering) or a slow release formula during growth.
- POTTING: A humus-rich mix and good drainage are essential.

Thanks for a most informative program, Mark!

The FREE PLANT (courtesy of Chuck Hanson) was *Adenium obesum*, with a few *A. somaliensis* thrown in for good measure.

Norma Beckman made several announcements:

Please save milk cartons (and make plant cuttings!) for our spring show and sale in April. We also need an educational display and a childrens' corner. Plan to give Norma a list of plants you intend to display and what you want to sell (40% commission) or donate for sale by the club. Be thinking, also, of time you can spend helping your club with its' largest fundraiser! Many are needed to set up, sell or supervise, and tear down.

A BIG WELCOME FOR OUR 7 NEW MEMBERS:

Mark Dimmitt	4331 N Oxbow Rd	Tucson-45
Marty Eberhardt	2122 N Marion	Tucson-02
Dr Richard Felger	2003 E 4th St	Tucson-19
Matt Johnson & Pat Ronabaugh	9159 H E Broadway	Tucson-10
John Falbing	2552 E Carrada Adelita	Tucson-18
Roy Soza	2830 E Vine Ave	Tucson-19
Thomas Wilson	3130 W Rock Hill Rd	Tucson-45

change of address:

Steven E Carpenter 8030 E Lakeside Parkway #2204 Tucson-30

Please add these good folk to your 3-92 club roster. A new roster will be mailed next month based on dues in the bank, not simply in the mail!!! Pay Treasurer Mike David at the February meeting or if you miss our meeting and want to be included in the roster, you may mail it directly to your secretary - Jeri Ogden, 757 E Navajo Road, Tucson, 85719. A true bargain, dues have not seen an increase since 1985, and are still \$10 / individual, \$15 / family. Take a few minutes now to be sure your dues are paid for '93, as we begin preparations towards

CSSA CONVENTION '95!!

Our board of directors met (for 3 hours!) on January 19. Board members present: Chuck Hanson, Bob Webb, Jeri Ogden, Mike David, Norma Beckman, Alex Emma, Helen Housman, Miles Anderson, Linda Benziger, Myrtle Ethington, Dan Birt, and Dick Wiedhopf - a full house - literally! President Chuck Hanson called the meeting to order a few minutes early, at 7:20. Bob Webb moved, it was seconded and passed to add Gene Joseph to the board. (He arrived shortly.)

Vice-President Bob Webb led a discussion on meeting programs. He plans to rotate local speakers, special speakers, and in-house workshops. The subject of speaker reimbursment came up. It was moved (Housman), seconded, and passed to create a speaker budget. Joseph and Wiedhopf agreed to form a budget committee.

CSSA Affiliate Norma Beckman reported on show plans. Our Spring Show & Sale, Good Friday and Saturday (April 9 & 10), will be in Park Mall, open 9-9 both days. Help is needed before, during, and after. (Norma says we'll have 37 tables!) Using computer-printed plant labels, possibly raffling a plant, and creating a Children's Corner for the show were discussed.

Linda Benziger displayed several exquisite pastels and lithographs of succulents (mostly cactus). Norma moved, it was seconded and passed to commission an artist to create a suitable poster for our club.

Chuck reported that Eleanor Barker, CSSA Newsletter Editor, has passed away. Our condolences go out to her family and friends.

Bob moved, it was seconded and passed that the club donate \$100 to Tucson Botanical Gardens in memory of Floyd Werner. Floyd was club secretary for 5 years, but more than that, he loved insects, plants and enjoying life. His understated sense of humor will be missed by many.

Wires got crossed, but Treasurer Mike David will write another check for \$100 to Tucson Botanical Gardens.

This week our club account will be moved to Arizona Central Credit Union, where our funds will earn 3.7%. Our balance on 1/23/93 is \$3,669.81.

Publishing a newsletter and club brochure, purchasing a VCR or camcorder, permanently moving our meeting to larger quarters, and enforcing prompt membership renewal were also discussed.

Helen moved, it was seconded, and passed unanimously to move the club library to Gene Joseph's - 50 E Blacklidge 628-8773.

it was seconded, discussed further, and passed that meeting be held in a larger facility, due to the litude of response to Hammer's presentation.

adjourned at 10:10. Whew!!

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we meet FEBRUARY 4 AT 7:30 p.m. at 1501 N Campbell,

SEE YOU THERE!!!

respectfully submitted,

Jeri Ogden

TUCSON CACTUS & SUCCULENT SOCIETY
MARCH MEETING ANNOUNCEMENT

Our March meeting will be held at 7:30 pm Thursday, March 4 in the Porter House at Tucson Botanical Gardens. Dual workshops (grafting & seed starting) will be featured. Everyone is encouraged to bring their own cactus/succulent to graft onto the understock provided by the club. Also bring a very sharp knife - utility knife or single-edged razor. Miles Anderson will instruct in creating your own "free plant"! Gene Joseph will demonstrate various techniques for seed propagation. A container and soil will be provided, and Gene asks that any favorite seeds be brought to this meeting.

THIS IS THE FINAL NEWSLETTER YOU WILL RECEIVE UNLESS YOUR 1993 DUES ARE PAID! MEMBERSHIP LAPSES ARE NOTED IN RED ON THE COVER.

Roughly 100 folks attended our February meeting, featuring the enchanting zerophytic expertise of Steven Hammer! After acknowledging his eccentricity and proclaiming himself mechanically inept, we were treated to a choice 72-slide presentation of dwarf mesembs. (Photographed by John Trager, who is scheduled to present our May program!) Steve's maverick style is familiar to readers of the CSSA journal, where he publishes articles regularly. He recommends feeding plants when misting, and to gather & clean seed: first crush dry fruit, second sieve through 3 progressively finer gauge meshes, and finally blow on it! Thanks for a dandy presentation, Steve!

The six door prizes, all mesembs of course, went home with John Palting, Roy Soza, J. R. Trevas (members) and Barbara Eiswath, Jillian & Bill Savary & Susan Stumpf (non-members).

At the conclusion of the program, there was a brief business meeting. Taking advantage of the populous meeting attendance, President Chuck Hanson made a strong appeal for prompt membership renewals and invited all in attendance to join, enabling us to continue to offer such quality programs!

Please add these names to your '92 roster - a '93 edition is being created! We cereusly welcome these new members:

Tony & Martha Burgess	2602 W Calle Paraiso	Tucson - 45	622-1370
Chris Monrad Family	1220 E Spring St	Tucson - 19	624-3168
Cliff Oliver	2801 E Presidio Rd	Tucson - 16	327-2015
Dan Sims	5350 N Via Celeste	Tucson - 18	299-9706
Brian Fraser	4742 S Lantana Cir	Tucson - 30	790-0633

Paul Shaw sent us a check in Floyd Werner's memory. Mr. Shaw's current address: 7501 Elderwood Dr N W Albuquerque, NM 87120

I am saddened to announce the recent death of Eleanor Barker, CSSA's first newsletter editor. According to the understandably abbreviated current issue, she survived her husband a mere four weeks. Her indefatigable efforts touched many lives, and will be keenly missed. Dr David Tufenkian, new CSSA board member, has been called upon to edit future newsletters.

Springtime Plant Shows\Sales are happening all over Arizona!!

Los Cerros Garden Club (Tucson Mall)	March 12-13
Flower & Garden Show (Reid Park)	March 14
Tucson Botanical Gardens	March 20-21
Desert Botanical Gardens (Papago Park, Phoenix)	March 27-28
Boyce Thompson Arboretum (Highway 60, Superior)	April 2-11
Desert Survivors Nursery (1020 W 22)	April 3-4
TUCSON CACTUS & SUCCULENT (Park Mall)	April 9-10
Arizona-Sonora Desert Museum	April 17-18

Board of Directors Meeting, February 11

President Hanson called the meeting to order at 7:10. Directors present: Chuck Hanson, Jeri Ogden, Mike David, Helen Housman, Miles Anderson, Linda Benziger, Myrtle Ethington, Norma Beckman, Dan Birt, Dick Wiedhopf and Gene Joseph.

The first order of business and primary reason for calling the meeting: David resigned as Treasurer, for personal reasons. Birt moved, it was seconded and passed that Ethington complete the current term as Treasurer.

Show Chairperson Beckman is preparing a wealth of information regarding the Reid Park Flower and Garden Show on March 14. Remember, too, our Show & Sale at Park Mall April 9 & 10. Are YOUR plants ready?

Birt volunteered to prepare a series of slides to encourage attendees of San Francisco's CSSA convention this July to attend the following convention - OURS!!! He will gather slides of MATURE C&S GROWING IN THE GROUND in Tucson. Anyone with slides or knowledge of plant locations please call Dan Birt at 325-4967. The library has been moved to Gene Joseph's Plants for the SouthWest/Living Stones Nursery, which is open Weds-Sat, 9-5:30 at 50 E Blacklidge. The number there is: 628-8773.

Housman, assisted by Ethington, audited the books for us. THANK YOU BOTH!!

While handing the checkbook to Ethington, David reported that we have a total balance of \$3,927.77 earning interest in Arizona Central Credit Union.

Benziger reported that she has been corresponding with a man in the Moscow C&S club (about 400 strong), and would very much like to see us interact with them. (Maybe by sending seeds?)

Ogden brought up the possibility of organizing a caravan to San Francisco's CSSA convention July 18-23. This is our last chance to experience a national convention before it's OUR TURN!! (As hosts of the convention in '95, Tucson needs to be well represented in '93!!). To be part of a caravan, call your secretary, at 292-2965. Also, club nametags (\$5) are available from Jeri at meetings.

Hanson reported on the recent CSSA board meeting in San Miguel, Guanajuato, Mexico. An independent Mexican non-profit organization, CANTE is dedicated to preservation and appraisal of natural resources, especially those of Mexico's arid and semi-arid highland plateau. His experiences there and thoughts on the future of CANTE will be the subject of our June meeting.

After a brief discussion, it was decided to hold board meetings bimonthly, probably in the Education Building at TBG. When possible, board meeting notices will be published in this newsletter.

For your convenience, I've enclosed a copy of San Francisco's convention program/registration form from the latest CSSA journal.

Respectfully submitted,

Jeri Ogden, Secretary

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Jeri Ogden, Secretary

REGISTRATION FORM

1993 CSSA CONVENTION - SAN FRANCISCO - JULY 18 THRU 23

NAME _____ ROOMMATE NAME _____
 SOCIETY OR CITY _____
 ADDRESS _____ PHONE () _____
 REGULAR PREFERRED OCCUPANCY FOR SECOND BEDROOM _____
 CSSA TO ASSIGN SECOND BEDROOM OCCUPANCY _____

NOTE TO NON-CSSA APPLICANTS:
 A REGISTRATION APPLICATION CAN JOIN THE CSSA AND HAVE ON THE REGISTRATION FEE AT THE TIME HE/ SHE SIGNS IN THE APPLICATION. AN APPLICANT CAN ALSO REGISTER THEMSELVES AT THE CSSA MEETING DATE & TIME BEFORE BEING AS A CSSA ASSOCIATE MEMBER.

THE CONVENTION WILL BE OFFERING FURNISHED APARTMENTS WITH TWO BEDROOMS. EACH BEDROOM IN AN APARTMENT HAS 2 SINGLE BEDS. IF ONE PERSON STAYS IN A BEDROOM, HE/ SHE WILL PAY THE SINGLE OCCUPANCY RATE. IF TWO PEOPLE STAY IN THE BEDROOM THEY WILL PAY THE DOUBLE OCCUPANCY RATE. WE RECOMMEND THAT YOU FIND ROOMS YOU WOULD LIKE TO SHARE AN APARTMENT WITH. IF YOU DON'T EXPRESS A PREFERENCE, WE WILL ASSIGN AN OCCUPANT FOR THE SECOND BEDROOM IN YOUR UNIT. IF A COUPLE DOES NOT WANT AN OCCUPANT ASSIGNED TO THE SECOND BEDROOM, THEY CAN BOTH PAY THE SINGLE OCCUPANCY RATE. IF A GROUP OF FRIENDS WANTS THEIR ROOMS CLUSTERED TOGETHER ON THE SAME FLOOR, WRITE A NOTE EXPLAINING YOUR REQUEST AND SEND IT IN WITH THE REGISTRATION FORM. *THESE ROOMS ARE ONLY AVAILABLE FOR THE ENTIRE CONVENTION WITH FULL BOARD.***

NEW CSSA MEMBERSHIPS	MEMBERS	COST
CSSA MEMBERSHIP - DOMESTIC		\$ 30.00
CSSA MEMBERSHIP FOREIGN INCL. MEXICO & CANADA		\$ 35.00
CSSA MEMBERSHIP FOREIGN - ANNUAL		\$ 65.00
CSSA ASSOCIATE MEMBERSHIP FOR SPOUSE / PARTNER		\$ 6.00
REGISTRATION		
CSSA MEMBERS		\$ 90.00
NON - CSSA MEMBERS		\$ 125.00
LATE REGISTRATION AFTER 5/15/93		\$ 135.00
LATE REGISTRATION AFTER 6/15/93		\$ 145.00
DAILY REGISTRATION - DATES ATTENDING 7/18-23/1993		\$ 30.00 / DAY
ROOM AND BOARD FOR 7/18-23/1993		\$ 190.00
DOUBLE OCCUPANCY - PER PERSON		\$ 274.00
FIELD TRIPS WITH LUNCH INCLUDED - CHOOSE ONE ONLY		
TRIP 1 - RUTH BANCROFT GARDENS/ UC BERKELEY BOTANICAL GARDENS		\$ 25.00
TRIP 2 - DUDLEYA, HABITAT / DR SCHWARTZ AND THE EUPHORBIA REFERENCE COLLECTION		\$ 25.00
FAREWELL BANQUET		\$ 12.00
PARKING PERMIT FOR 7/18 - 24/92		
SUBTOTAL		

THE CONVENTION WILL ACCEPT VISA, AND MASTERCARD CREDIT CARDS
 ADD 6% CARD PROCESSING FEE BASED ON THE SUBTOTAL

TOTAL DUE _____
 MAKE CHECKS PAYABLE TO THE CSSA. CREDIT CARD USERS, FILL OUT THE INFORMATION BELOW

VISA / MASTERCARD # _____ EXPIRATION DATE _____

SIGNATURE _____

MAIL THE REGISTRATION FORMS TO:
 DR DAVID DUPE, CONVENTION REGISTRAR
 220 MONTGOMERY STREET
 BOX 3441
 SAN FRANCISCO, CA 94104

CREDIT CARD USERS MAY DIRECTLY PAY THEIR REGISTRATION FORMS TO (415) 759-1701.



CACTUS & SUCCULENT SOCIETY OF AMERICA
 25TH BIENNIAL CONVENTION
SAN FRANCISCO
 July 18-23, 1993

San Francisco State University
 Residence Apartments
 800 Font Boulevard
 San Francisco, California 94132

The San Francisco Succulent and Cactus Society and the Northern California CSSA Affiliate Societies cordially invite you to spend a very special week of the CSSA's 25TH BIENNIAL CONVENTION.

The convention will be held at San Francisco State University. The festivities will begin Sunday, July 18, with check-in/registration between 2:30-6:00 pm and a big welcoming party. The convention programs will begin Monday and run through Friday. Dr. Seymour Linden, Program Chairperson has selected many outstanding speakers. The programs will be held in a large comfortable theater featuring a fine audio system, a 22 foot screen, cushioned seats and a sloping floor that will allow for an unobstructed view.

The convention housing offers brand new furnished two-bedroom apartments, (minimum two people, maximum four), a package that covers from Sunday afternoon, July 18, through the following Saturday, July 24. Each bedroom contains two single beds. The cost per person varies, depending on single or double occupancy of each bedroom. If you want to double up with friend(s), please make note on the registration form. Each apartment features a kitchen (no utensils) with microwave, a dining area, a living room area, and a quality bathroom. The units are modern and most have views. All meals for the week will be provided by the convention. The meals are included with the housing fees with the exception of the optional Farewell Banquet.

Meals Served	Dates	Time
Breakfast	7/19-24	7:15-8:15am
Lunch	7/19, 20, 22, 23	11:45-12:45pm
Dinner	7/18, 20, 21, 22	5:30-6:30pm

The Convention will also feature two exciting cactus and succulent field trips to choose from! Lunch will be included on each trip.
 Trip 1: Visit the Ruth Bancroft Gardens in Walnut Creek, internationally recognized as one of the finest private succulent gardens in North America. Then tour the famous University of California Botanical Gardens in Berkeley.
 Trip 2: Over the Golden Gate Bridge to Marin County to see coastal daisies in habitat, then off to Bolinas to enjoy a rare opportunity: Dr. Herman Schwartz (of The Euphorbia Journal fame) has opened up his greenhouses for a personal tour of the prestigious Euphorbia Reference Collection.



CONVENTION PROGRAM

* Pacific Rim vs. Africa * (tentative)

Sunday, July 18

2:30 - 6:00pm Registration, book and plant sales.

6:30 - 9:00 *Welcome to San Francisco Party*

8:00 - ? Informal slide shows. See bulletin board for schedule, Dr. David Tutenkian, Chairperson.

Monday, July 19

8:00 - 5:00 Late registration, book and plant sales.

1:00 - 1:45 Professor Hienfeldt, Professor of Botany, Hamburg University,

Pedaliaceae, a little known African plant family with some interesting succulents.

2:00 - 2:45 Sean Hogan, University of California Botanical Gardens, *From penguins to monkey puzzles and the cacti in between—the cacti of Patagonia.*

3:00 - 3:45 Ted Green, horticulturist, Kacawa, Hawaii, *The world of hoyas and dischidias.*

4:00 - 4:45 Seichi Osada, horticulturist and nurseryman, Japan, *Cacti and succulents in nature.*

6:45 - ? Opening Banquet - Lecture by John Lavarinos, renowned plant explorer, *Thirty years of succulent discoveries in Kenya.*

post banquet Dr. David Tutenkian, Chairperson, Informal, non-scheduled slide lectures — see bulletin board.

Tuesday, July 20

8:00 - 5:00 Late registration, book and plant sales.

9:00 - 9:45 Miguel Chazaro, botanist, University of Guadalajara, *Crassulaceae and some lesser known succulents of Mexico.*

10:00 - 10:45 Dr. Burl Mostul, PhD, psychologist and horticulturist, Milwaukee, Oregon, *Some new caudiciforms of the Pacific Rim.*

11:00 - 11:45 Gary Lyons, succulent horticulturist, Chairperson, Conservation Panel, *Don't dig up that cactus.....or should I? a discussion of bioethics, collecting and the law.*

1:30 - 2:15 Dr. Colin Walker, Dept of Botany, Open University, England.

2:30 - 3:15 *Moroccan memories.*

3:30 - 4:15 Chuck Hanson, owner of Arid Lands Greenhouses, *Commercial nurseries as succulent life-savers.*

7:00 - ? Dr. Carlos Ostolaza, MD, botanist, Lima, Peru, *The geographic distribution of cacti in Peru*

Rare Plant Auction, Steve Hammer, Chief Procurer and Dr. Gerald Barad, Chief Auctioneer.

Wednesday, July 21 - Free time and BUS TOURS

8:00 - 5:00 Book and plant sales.

8:30 - 3:00 Bus Tours: Choice of 1 only. Lunch will be provided on each tour. Time of return is variable.

#1 Ruth Bancroft Gardens, Walnut Creek and the University of California Botanical Gardens, Berkeley.

#2 Coastal duneclays, Dr. Herman Schwartz and the Euphorbia Reference Collection, Ballinas.

7:00 - 8:30 Affiliate Meeting, presentation by next convention hosts,

Mary Jo Gusset, Vice President CSSA, Chairperson.

8:45 - ? Informal slide shows. See bulletin board and Dr. David Tutenkian.

Thursday, July 22

8:00 - 5:00 Book and plant sales.

9:00 - 9:45 Prof. Hienfeldt, *Mesembryanthemaceae — masters of adaptation*.

10:00 - 10:45 John Lavarinos, *Explorations in northern Somalia and Djibouti.*

11:00 - 11:45 Hans Britsch, *Western Cactus Growers and the Britsch family*.

1:30 - 2:15 Dr. Gerald Barad, MD, President of the CSSA, *Wild flowers and succulents of Namaqualand.*

2:30 - 3:15 Dr. David Tutenkian, MD, hobbyist, *Collectors and their collections.*

3:30 - 4:15 Sam Williams, nurseryman and hobbyist, Carmichael, CA, *Culture and Propagation Panel, *Propagation or how to increase your collection and have fun at no cost*.

7:00 - 8:00 Meeting of the newsletter editors, chaired by Mac Clark, Tennessee, member of the CSSA Board of Directors.

7:00 - 8:00 Informal and non-scheduled slide programs, see bulletin board and Dr. David Tutenkian.

Friday, July 23

8:00 - 5:00 Book and plant sales.

9:00 - 9:45 Miguel Chazaro, University of Guadalajara, *Some interesting cacti and agaves of Mexico.*

10:00 - 10:45 David Naylor, hobbyist from Toronto, *Cold-hardy succulents in the Great White North.*

11:00 - 11:45 Dr. Colin Walker, *Asclepiads through the ages*.

1:30 - 2:15 To be determined.

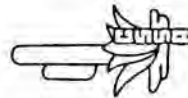
2:30 - 3:15 Dr. Carlos Ostolaza, Lima, Peru, *Cacti and succulents in art*.

3:30 - 4:15 Seichi Osada, *Cactus and succulent collections in Japan*.

7:00 - ? Farewell Banquet.

Saturday, July 24

6:00 - 12:00 AM Departure.



15

And returning charter member:

Four dozen or so gathered for our March 4 dual-workshop program.

Board member Helen Housman helped welcome several guests
began the workshops without delay.

One half of us went to the grafting table, where Miles F

Use a very sharp knife.

Sterilize it by wiping both sides of the blade on a new sponge

For outdoor handy crafting stock, he recommends using

Use vigorous, 'pumped-up', well-watered (not woody) plant tissue.

Vascular tissues must match for a graft to 'take'.

Revel graft to compensate for tissue shrinkage.

Treat base of stock with fungicide (Rootone) and let dry before

planting.

Time of year to graft: avoid heat and cold stress, otherwise, GO FOR IT!

(NO ONE lost any blood.)

THANKS, MILES!

Sooner or later, each of us selected seeds from a fun assortment and planted them, under the direction of Gene Joseph, who also provided pots & soil.

Gene's suggestions for success:

100% humidity is essential for germination, and a 'tent' (larger is better) helps.

Gene recommends a MINIMUM of 15 - 20 degrees difference between high and low temperature.

Using ordinary potting soil, fill chosen container to within 1/2 inch of top, compress, scatter seeds, apply a thin top dressing, and thoroughly saturate.

To avoid fungus problems, use clean seed and remove tent as soon as germination occurs - about 2 weeks.

No fertilizer is recommended for 6 months to a year.

Now we all can grow from seed! THANKLS, GENE!

FREE PLANT, on top of all this, was GYMNOCALYCIUM BRUCHII, in bud or bloom. Flowers are pale pink.

Your hard-working secretary has just received confirmation from Sunset Magazine that mention of our spring fundraiser will appear on page 102 of April's issue!!

***** NORMA's NEWS *****

IT'S SHOWTIME!!!

April 9 & 10 at Park Mall

PURPOSE OF THE SHOW:

- 1 To stimulate interest in our hobby!
- 2 To raise money!
- 3 To promote membership

VOLUNTEERS NEEDED:

- 1 Anyone interested in doing an educational display
- 2 Transportation (plant pick-up)
- 3 Set up - April 8, 9 pm, Park Mall
- 4 Take Down - April 10, 9 pm, Park Mall
- 5 Sales People
- 6 Someone responsible for cartons, boxes, & bags for purchased plants & cuttings
- 7 Hospitality - greeting the public and patrolling the plant area for security & protection of the plants
- 8 Staff - information & membership area

Please make sure your plants are clean, free of disease, labeled & consignment plants are priced.

Bring show and donated sale plants & cuttings to Park Mall on April 8, 9 - 11 pm. We can accept plants before 9 am, April 9.

A BIG THANK YOU goes out to helpers at the March 14 Reid Park Flower & Garden Fair - Jeannee Brave, Jeff & JR Trevas, and Jim Hosak, who was VERY helpful, but is not a member, YET. Thanks, also, to Michael David for making a special trip to erect our lovely club banner!

To volunteer or ask questions, please call Show Chairperson Norma Beckman at 855-0669.

We are still searching for the poster-size collage of flowering cactus photos. HELP!!

*****NO FOOLIN' !!!*****

Next month's meeting will be April 1, at 7:30 PM in Rm 5403 of the U of A Health Sciences Center. This is a meeting you wont want to miss. Dr. Richard Felger will present "The Ethnobotany of Sonoran Desert Succulent Plants". He will discuss past, present & future potential uses of cacti and succulents in the sonoran desert region, and will also explore the non-economic uses of these plants, including spiritual and aesthetic, among native american peoples. This talk will be beautifully illustrated with Richard's slides, taken over many years of travel in the region.

Richard is the founder and director of Drylands Institute, a local non-profit research group investigating various aspects of the natural history of arid regions of the world. He has authored many publications, including "People of the Desert and Sea, Ethnobotany of the Seri Indians", co-authored with Mary Beck Moser. This wonderful book will be available for purchase after the meeting, and the author would be happy to autograph a copy for all who purchase one. If you have a copy, bring it along for Richard to autograph.

*Respectfully submitted,
Jeri Ogden, secretary*

MAY NEWSLETTER

On April 1, Dr Richard Felger explained to about 50 desert lovers how various parts of Sonoran Desert plants (seeds, flowers, fruits, stems, roots, & leaves) have been used extensively by the Seri Indians for food, fuel, shelter, equipment, tools, adornment, clothing, medicines and in the practice of supernatural beliefs. Agave, bursera, columnar cacti, euphorbia, ferocactus, jatropha and opuntia are but a few of these multi-faceted traditional plants.

+ Staples were obtained from the 4 large-fruited columnar cacti (sahuaro, organ pipe, pitaya agria, and cardon), eelgrass (Zostera), mesquite (Prosopis), century plants (Agaves), mala mujer (Cnidoscolus), and seeds of various ephemerals.

+ Baskets, primarily made & used by the women and fashioned exclusively of jatropha, were important utensils in the Seri household. Although commercial basketry development did not begin until the 19th century, Seri baskets display considerable skill & artistry.

+ Stenocereus thurberi (organ pipe) sections were used as markers in a circle when gambling, and each player had a counter of jatropha.

+ Agave and cactus provided the only sweets available to the Seri before the Europeans came, introducing honeybees along the California coast in the 1850s. Around 1900 Seris collected their first honeycomb.

+ The vast majority of Seri medicines were prepared from plants, including teas from no less than 64 species!

+ Nutritious seeds of allenrolfea (a saltbush in the goosefoot family!) taste like CHOCOLATE!

Afterwards, he signed copies of his book, People of the Desert & Sea, Ethnobotany of the Seri Indians, agreeing to donate a portion of the book sales that evening to TCSS. Thanks, Richard!

Several door prizes were handed out, but the big news for our club is the popularity of our lovely raffle plant, an Echinocereus polyacanthus - blooming, no less, and won by a mystery lady!

The FREE PLANT was Hesperaloe parviflora, an early summer red bloomer. Many are reportedly blooming in medians around Tucson currently - watch for them.

A word of caution: as a club we need to be less messy with our plants at meetings, lest we forfeit the priveleged use of room 5403 at UMC!

Please welcome these 5 new members and update your club roster:

William Humphreys	444 W Orange Grove Rd, #427 297-7927	85704
William & Betty Hunt	65 W Aliso Dr Green Valley 625-5104	85614
Kimberly Collins	759 E Navajo Rd 888-6508	85719
Kristin Jakob	289 Tamalpais Ave Mill Valley, CA (415) 388-1844	94941
Leslie Sloan	5241 N Blue Bonnet 743-3553	85745

Let me know of any corrections or changes. Here are a couple:

WEBB	822-1059
KOROBKIN	zip 85032

BOARD MEETING 4/20/93

President Hanson called a meeting of the board to catch up on business. Directors present: Chuck Hanson, Bob Webb, Jeri Ogden, Myrtle Ethington, Norma Beckman, Linda Benziger, Helen Hausman, Gene Joseph and Dick Wiedhopf.

Norma reported \$2,255.75 in gross income from our Spring Show & Sale. Also, Park Mall sent us a check for \$400. MUCH discussion followed. May 6, plans for a special meeting of people interested in forming a show committee will be finalized. *

Myrtle gave a treasurer's report. February's ending balance was \$3,652.47. March closed on a balance of \$3513.85.

Linda brought another poster design for our comments. The board suggested all Sonoran plants be depicted on a lighter background. We're getting there!

Chuck and Gene began work on a general 'how to' booklet for growing succulents, to be offered for sale at our convention

Additionally, several needs were mentioned - tax and insurance concerns, a corresponding secretary, redesign of our membership flyer, an enthusiastic librarian, and materials for use in our presentation at the San Francisco convention this July, to entice folks to Tucson in June 1995! Also, we're gathering ideas for a convention logo & slogan. These issues will be addressed in front of the general membership in May. Please come prepared with names, photos, ideas and suggestions. *

After some discussion, Bob moved, it was seconded and passed to amend the bylaws ALLOWING THE TREASURER TO ISSUE A CHECK IN THE AMOUNT OF \$250 OR LESS WITHOUT BOARD APPROVAL.

Bob moved, it was seconded and passed that TUCSON CACTUS & SUCCULENT SOCIETY ADOPT CSSA GUIDELINES REGARDING FIELD COLLECTED PLANTS.

Gene moved, it was seconded and passed that OUR CSSA AFFILIATE RECEIVE A STIPEND TO ATTEND THE CONVENTION, THE AMOUNT TO BE DETERMINED SEPARATELY.

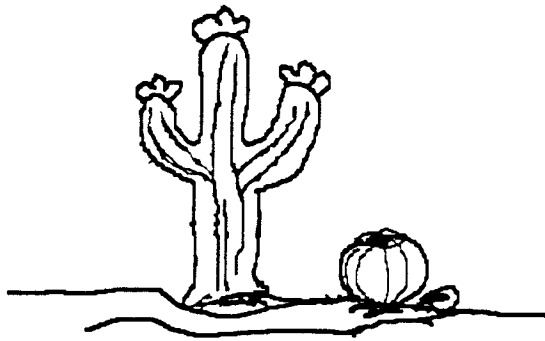
Dick moved, it was seconded and passed TO PAY STANDARD COACH AIRFARE PLUS \$100 HONORARIUM TO OUT OF STATE SPEAKERS.

Helen moved, it was seconded and passed TO BUY JERI A TAPE RECORDER. Whew!!

* (As a team, we have less than 26 months to perfect our technique, so we'd better get started!)

MAY MEETING

The May meeting of the Tucson Cactus and Succulent Society will be held on May 6, at 7:30 PM in Room 5403 of the Arizona Health Sciences Center. John Trager will present a slide program of "Photographing Cacti and Succulents". John is the Curator of Desert Collections at the world-famous Huntington Botanical Gardens in San Marino, California. He is well known internationally for his beautiful photography, which has appeared in the Cactus and Succulent Society of America Journal, the Euphorbia Journal, the Journal of American Horticulture and many other publications, including some of the brochures of the Arizona Native Plant Society. John did most of the slides for the fabulous talk Steve Hammer gave us in February. He will speak on the proper selection and use of equipment, and on developing the techniques of composition, exposure control and subject isolation. For all of you who wish to capture forever the ephemeral beauty of a cactus flower, this program is a must.



TUCSON CACTUS & SUCCULENT SOCIETY

JUNE 1993 NEWSLETTER

The next general membership meeting is Thursday June 3 at 7:30 pm in room 5403 at UMC (1501 N Campbell). If you're unsure where to park (its FREE), see map. The program is "From San Miguel to Malta, A Look at Some Rare Succulents from Diverse Places". Two new cactus species, Geohintonia mexicana and Aztecium hintonii, both endemic to San Luis Potosi, will be shown. This program, presented by President Chuck Hanson, recounts his recent trips to San Miguel, Mexico, and the island of Malta, in the Mediterranean.

TCSS is hosting the CSSA board meeting in January. All members of CSSA are welcome to attend. Plan to come and see how the national society takes care of business! Your input at this meeting will be appreciated. We will have a very special program for our regular meeting that month, for sure!

Tucson '95!! A taste of the Sonoran Desert....and MORE!! This is our convention slogan, chosen by our newly-formed convention committee: Chuck, Jeri, Linda, Gene, Dick, Norma & Miles. Our theme, Ethnobotany of Succulent Plants Worldwide, will be part of Chuck Hanson's presentation at the San Francisco convention in July. And this is only the beginning. As convention time draws nearer, more help will be required. Please indicate to Jeri if you wish to be included. Join a committee and stay informed!!

A name was omitted from your roster. Oops!

WILSON, TOM	6730 W EL CAMINO DEL CERRO	85745
	743-9382	

change:

CALDWELL, BOB	<u>P O BOX 36203</u>	<u>85740</u>
	797-2646	

ANDERSON, MILES	<u>6125 N NOEL LANE</u>	<u>85743</u>
	<u>682-7272</u>	

and please welcome:

SWEETS, JANA	4550 W CAMINO NUESTRO	85745
	743-9761	

HOSACK, JIM	7741 PASEO MONSERRAT	85704
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Jim will manage the library for us! Located at 50 E Blacklidge, inside Gene Joseph's Plants for the Southwest, it is open 9 - 5:30 Weds - Sat, 628-8773.

Club member Brian Fraser (790-0633) has a surplus of pumice and pots he is anxious to dispose of at cost.

Life Member Nancy Clarke, of Pinetop, has donated some pots to our club. Thanks, Nancy!

Contributions for this monthly newsletter effort are welcome! I need materials / information IN HAND by the 15th one month ahead (June 15 for July meeting, etc.). My address is 757 E Navajo, Tucson, 85719. Messages can be left at 292-2965. THANKS!

Myrtle reports a net profit of \$2206.00 from our April sale!

A letter to the membership:

At our recent show, it was very apparent we do not have total representation and participation from our membership. This club is nothing more or less than our members' commitment to maintain our high standing in the plant world. We are dependent on participation & dedication from all of us. I want to thank all of you who helped in making our show & sale such a success. Without you we would have been pressed. Those of you who did not give your time missed a great show and an opportunity to support a vital club activity. In the future, I hope our club can depend on a broader base of support. I am looking forward to next year.

Thank you,

Norma Beckman

A VERY SPECIAL THANKS TO YOU, NORMA, FOR A JOB WELL DONE!!

Our May meeting, attended by 40, featured John Trager, Curator of the Desert Collection at Huntington Botanical Gardens, and expert plant photographer. Trager presented "An Overview of Photography", covering equipment, films and technique, and all beautifully illustrated.

No two of us take pictures alike. However, most good photographers have certain techniques in common.

A single lens reflex camera with interchangeable lenses are primary tools.

A 20 - 24 mm wide angle lens allows some depth of field while keeping the subject in focus, so it is useful for broad panoramic shots.

Ideal for photographing plants, a 55 mm macro lens is much more versatile - it can take extreme close ups as well as majestic landscape shots.

Other useful lenses include - A 105 mm macro, which allows you to stand back and focus in on detail of a landscape, and a short telephoto (200 mm), good for photographing wildlife while standing at some distance.

It is helpful to understand the relationship between lens aperture and depth of field. Lenses are marked 2.8 - 22 or 32. Increase aperture to have greater depth of field. (2.8 =



minimum.) A low aperture is useful in low light situations, but you have a minimum depth of field. You can control what is in focus in your pic by controlling aperture.

If you take photography seriously, if its windy, for a long exposure, low light, or a self-portrait, you'll need a tripod.

A UV filter won't change the image, but one of these screwed on OUTSIDE that new lens you just bought is cheap insurance, should the camera be dropped.

A polarizing filter cuts glare, as well as emphasizing the blue sky and making a dramatic dark background.

For plant photography in the finest detail, use film with a low ASA rating. John advises using Kodachrome 64 or 25 or Fuji 50. Use of a higher speed film (ASA 200-400, 1600 & up in low light or fast action situation requiring a fast shutter speed), has the disadvantage of being grainier. Fuji films have very bright colors - Fuji velvia's colors are particularly (overly?) intense. Ektachrome has truest colors (Blue flowers are said to be best taken in shade.) Slide duplicating film is perhaps better than original, but keep original!

One aspect of technique is composition. Your first decision is format: horizontal or vertical?

Often, cropping a photo results in a simpler, more pleasing photo. However, you can move in too far in isolating the subject.

For symmetry, avoid the "bull's eye syndrome" by using "rule of thirds": usually it's more interesting to have the subject slightly off-center, maybe 1/3 from one margin and 2/3 from the other. With asymmetrical subjects, it's much easier to apply the "rule of thirds" - it just kind of happens naturally.

Other possibilities to consider are: arranging your composition diagonally, emphasizing contrast, developmental shots, close up of plant hair or fruit, dew (from a mister, perhaps), creative use of shadow, reflections, or double exposure.

To provide scale for photographs, aim for something natural. Either your friends or, if subject is small, an insect.

Framing is accomplished rather nicely by trees, providing depth to the image and taking up some of the bare, featureless sky.

Isolating the subject. This is really the most important basic item to consider when taking pictures. The first thing you need to do is control the amount of light you let fall on the film. To ensure proper exposure, shoot several by 'bracketing'. Shoot what the meter says, one lighter and one darker. One of these is probably going to be right! One caution: the light meter focuses on the center of the picture. If background is very dark, you

may have to adjust the aperture to compensate. The more frame you fill with your image, the less problem you'll have with that.

Photography is more than documenting objects on paper, it's CAPTURING LIGHT, so you must remember what direction light is coming from. Instead of the usual sun over your shoulder, try backlighting or sidelighting to emphasize translucence and highlight detail. When shooting with backlighting, if you shoot directly into the sun, you'll get 'lens flare' - hexagons created when the sun reflects off the lens. A lens hood or your hand above the lens can prevent this. When using backlighting on a very dense subject, heavy shadows in the foreground may be a problem. One way to get around that is with a 'reflector card'. Any piece of reflective material - white cardboard - used to bounce light back into shadow and highlight some of the detail.

Another thing to remember: FILM IS CHEAP, so don't limit yourself to a single perspective.

John recommends utilizing selective focus and trying different backgrounds (dark or light velvet, velour, or ?).

Try using a handheld flash, or two, remembering to adjust the aperture and think about your background - watching out for reflective surfaces (windows) and objects that distract, such as plant labels. Various bright colors, reds in particular, often bleed together under a flash, while natural light brings out more detail. (Cloudy days are fine - the light is even!)

Photography isn't just to get images, it is a process. It focuses your attention on the wonders of nature, and if at the same time you can look at form, color, and their complexity, and use some of these techniques to get slightly better shots, then other people can enjoy your shots as well.

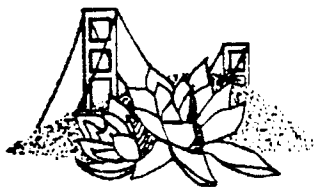
"Play with it!" THANKS, JOHN!!! Now we're ALL EXPERTS!

We raffled a lovely clay pot handbuilt by Erika VanAuker. This unique pot was high fired so it is VERY hard, then treated with an oxide to retain the natural look so desirable for succulents. Norma won it!

A choice of Pachycereus pectin-aboriginum or melocactus longispinus was offered as free plant.

respectfully submitted,

Jeri Ogden



CACTUS & SUCCULENT SOCIETY OF AMERICA
25TH BIENNIAL CONVENTION
SAN FRANCISCO
July 18-23, 1993

San Francisco State University

CONVENTION NEWS

May 09, 1993

Dear CSSA Affiliate Representatives, et al.

This is important news that needs to be communicated to the members of your society and to all interested parties as soon as possible.

Registrations for the CSSA's 25th Biennial Convention in San Francisco have been received at a unusually rapid pace. All available housing at the university is now booked up.

You are now responsible for making your own arrangements for housing. There is currently available space in the nearby reasonably priced motels listed below:

Days Inn

2600 Sloat Blvd
San Francisco, CA
(415) 665-9000
6 blocks away
Tell the Days Inn you
are with the CSSA.

Roberts Motel

2828 Sloat Blvd.
San Francisco, CA
(415) 564-2610
6 blocks away

Seal Rock Inn

545 Point Lobos Ave
San Francisco, CA
(415) 752-8000
2 miles from convention

In many cases, 3 or 4 people can share a room to reduce costs. You must make these arrangements directly with the motel of your choice. The Days Inn and Roberts Motel are within walking distance of the convention. Note: The convention cannot provide transportation to and from the motels.

Our convention still has plenty of capacity to expand and accommodate more people. All are encouraged to continue with their plans attend this significant event. Space is available at the convention cafeteria. You may buy meals individually at the cafeteria or purchase meal tickets for the week for \$85.00. You will be able to eat with and attend all functions with the other attendees. Enclosed is an updated convention registration form. Please photocopy, distribute, and encourage all to use the updated form. If you have questions, please contact me between 4:00pm - 8:00pm PST.

Best Regards,

Richard Bernard
CSSA Convention Director
San Francisco Succulent and Cactus Society
780 Cole Street
San Francisco, CA 94117
Home (415) 665-8101
Fax (415) 759-1701

REGISTRATION FORM

1993 CSSA CONVENTION - SAN FRANCISCO STATE UNIVERSITY

SAN FRANCISCO - JULY 18 THRU 23

PLEASE PRINT YOUR NAME AND SOCIETY AS YOU WISH THEM TO APPEAR ON YOUR BADGE.

NAME		SPOUSE/ ROOMMATE NAME	
SOCIETY OR CITY			
ADDRESS			
	PHONE ()		

NOTE TO NON -CSSA APPLICANTS

A REGISTRATION APPLICANT CAN JOIN THE CSSA AND SAVE ON THE REGISTRATION FEES AT THE TIME HE/SHE SENDS IN THE APPLICATION. AN APPLICANT CAN ALSO REGISTER THEIR SPOUSE AT THE CSSA MEMBER RATE IF THEY ENROLL THEM AS A CSSA ASSOCIATE MEMBER.

	NUMBER		COST
NEW CSSA MEMBERSHIPS			
CSSA MEMBERSHIP - DOMESTIC	_____	● \$	30.00
CSSA MEMBERSHIP FOREIGN incl. MEXICO & CANADA	_____	● \$	35.00
CSSA MEMBERSHIP FOREIGN - AIRMAIL	_____	● \$	55.00
CSSA ASSOCIATE MEMBERSHIP FOR SPOUSE / PARTNER	_____	● \$	6.00
REGISTRATION			
CSSA MEMBERS	_____	● \$	90.00
NON - CSSA MEMBERS	_____	● \$	125.00
LATE REGISTRATION AFTER 5/15/93	_____	● \$	135.00
LATE REGISTRATION AFTER 6/15/93	_____	● \$	145.00
DAILY REGISTRATION - DATES ATTENDING 7/_____	_____	● \$	30.00 /DAY
MEAL PLAN FOR 7/18-23/1992	_____	● \$	85.00
FIELD TRIPS WITH LUNCH INCLUDED - CHOOSE ONE ONLY			
TRIP 1 - RUTH BANCROFT GARDENS/ UC BERKELEY BOTANICAL GARDENS	_____	● \$	25.00
TRIP 2 - DUDLEYA HABITAT / DR SCHWARTZ AND THE EUPHORBIA REFERENCE COLLECTION	_____	● \$	25.00
FAREWELL BANQUET	_____	● \$	25.00
PARKING PERMIT FOR 7/18 - 24/92	_____	● \$	12.00

SUBTOTAL

THE CONVENTION WILL ACCEPT VISA, AND MASTERCARD CREDIT CARDS
ADD 3.5% CARD PROCESSING FEE BASED ON THE SUBTOTAL

TOTAL DUE
MAKE CHECKS PAYABLE TO THE CSSA . CREDIT CARD USERS, FILL OUT THE INFORMATION BELOW

VISA / MASTERCARD # _____ EXPIRATION DATE _____

SIGNATURE _____

MAIL THE REGISTRATION FORMS TO : DR DAVID DUPRE, CONVENTION REGISTRAR
220 MONTGOMERY STREET
BOX 3441
SAN FRANCISCO, CA 94104

CREDIT CARD USERS MAY DIRECTLY FAX THEIR REGISTRATION FORMS TO (415) 759 - 1701.

THE EIGHTH ANNUAL INTER-CITY CACTUS & SUCCULENT SHOW & SALE

SAT. & SUN. AUGUST 21 & 22, 1993
From 9:00 am to 5:00 pm







An Incredible Show!




For information please call;
Larry Grammer 310 599-1146
Woody Minnich 805 944-2784
Charles Spotts 818 341-7613


AT THE LOS ANGELES STATE & CO. ARBORETUM 301 NORTH
BALDWIN AVE. ARCADIA, CA across from Santa Anita Race track

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



 SPECIAL SILENT AUCTION
SUNDAY JUNE 13TH., 1993 AT
 4713 E. ST. CHARLES AVE
Larry Fischer will be selling all
potted plants in a 5 table silent
 auction----available for viewing at
4:00 p.m. Auction begins promptly at
 5:00 and will continue at random
intervals until everything is sold.

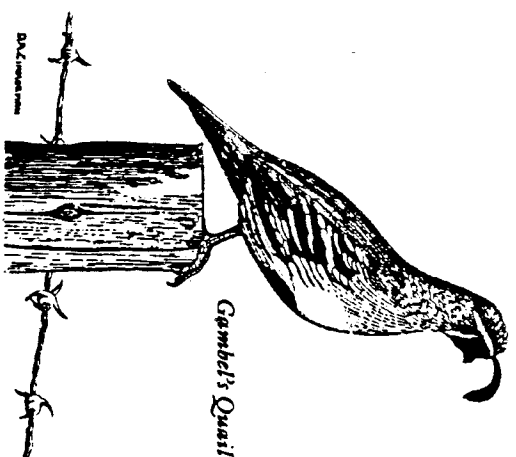
 HOW TO GET THERE: St. Charles is a short
street, backed up against the north side of the
 western canal. (which is midway between
Southern and Baseline in Phoenix) Go south on
 48th St. to Apollo, turn west for one block to
47th Place, turn left of 47th Pl. which in one
block forces you right onto St. Charles.

 Bring your own boxes and packing materials.
If any questions call Larry at 438-9213



LOOK FOR IN JUNE

BIRDS



Gambel's Quail

WEATHER

Tucson Area

Sunrise: 5:18-5:21 am **Sunset:** 7:25-7:34 pm
Normal temperature: high: 98.5°F, low: 67°F
Normal rainfall: 0.22 inches
Relative Humidity: 5:00 am, 32%; 5:00 pm, 13%

The norm for June is twenty-two days with no clouds, hot temperatures, and possibly one or two days with showers. Watch for heat stroke or heat exhaustion when working outside.

THE HEAVENS

Summer Solstice—Summer begins at 2:01 am local time on June 21st. Bright yellow-white star "Arcturus" of the constellation Boötes The Herdsman is high overhead. Jupiter is the bright white "star" high overhead and to the west. Venus appears as the "Morning Star" high in the east before sunrise.

ALLERGENS

Mold—low, Pollen—low,
 Plant parts—high

WILDLIFE

Ripe saguaro fruits provide nourishment and water for many desert birds, especially young ones learning to be independent of their parents. Song intensity has diminished in the June heat and dryness. Toad-like trills of the Lesser Nighthawks dominate the predawn period in the low deserts.

BIRD OF THE MONTH: *Mallards parade their ducklings on local ponds. Mallards, including the form once called "Mexican Duck," are the only common nesting ducks in Southeastern Arizona.*

PLANTS

June normally reaches the highest temperature of the year and with the onset of this intense heat, plant growth can come to a halt at the lower elevations. Ironwoods will flower now and the night blooming cereus, queen of the night, puts on its short, but spectacular flower show at the beginning of June. The creosote usually drops its copious seed crop now after an April flowering. At higher elevations in the grassland and chaparral, yuccas and agaves are in full flower. At still higher elevations the early summer flowering of the relatives of our low desert species will occur and the pine trees begin to cone.

INSECT NOTES

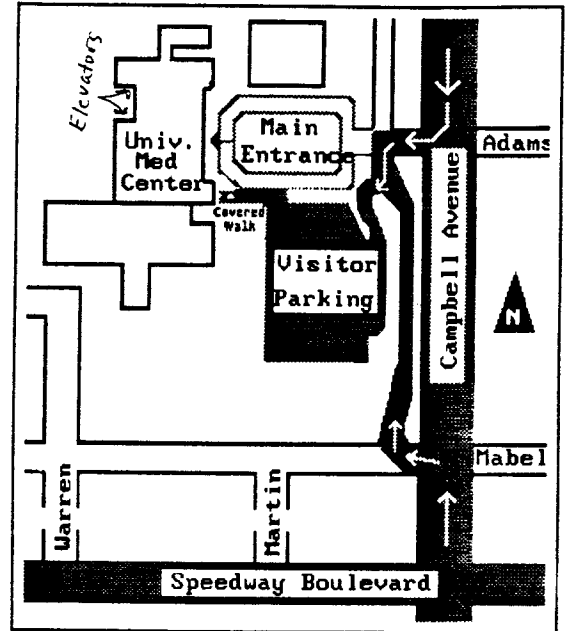
Birds nibble at the red pulp of the saguaro fruits, catching a few bites before the fruits tumble to the ground where they are devoured by coyotes, skunks, raccoons, mice and more birds. Most insectivorous bats have their young at this time. Some live high in the pines, others at varying elevations down to the desert. White-tailed and mule deer deliver their camouflaged spotted young, and baby raccoons are born. Black bears are active; this is their breeding season in the mountains. During the hot days wildlife will rest in their burrows or in the shade and become active when the temperatures are cooler at night. One of the few mammals active on hot desert days is the Harris' antelope squirrel. It forages on the surface for fruits, seeds, and insects. When its body temperature starts to climb several degrees it dives back down into its dark humid burrow and presses its belly on the cool floor. Once it has dumped its load of heat it is back on the 140°F desert surface foraging for food.

Cicadas—These thick-bodied, clear-winged insects spend most of their lives as larvae underground, feeding on the roots of plants. In June, the "Cactus-Dodger" (*Catantops valvatus*), emerges en masse to form noisy aggregations in trees. The males produce the loud buzzing sound to attract the silent females by using two plates on the underside of their bodies. Watch for the large orange and yellow Cicada Killer Wasps which paralyze cicadas and carry them to their burrows to feed their larvae.

Native Plants Act

The portion of the state's Native Plants Act allowing officials to seize cacti and other native plants they believe to be stolen is unconstitutional because it violates the right of due process, the Court of Appeals has ruled. The Arizona Commission on Agriculture and Horticulture searched a Scottsdale couple's home and tagged several rare cacti with notices that they were being seized after a cactus expert said they had been taken illegally from federal and state land. The couple contended they had been purchased legally and challenged the seizure on constitutional grounds, saying it violated due process and protections against illegal search and seizure.

The court ruled that the seizure provision was unconstitutional, saying the statute fell short of guaranteeing due process. "The statute provides no opportunity for a prompt post-seizure hearing at which the commission is required to demonstrate the probable existence of grounds for the seizure," the court said. Because the section was overturned on due process grounds the court did not address the issue of illegal search and seizure. (Wallace vs. Shields, Court of Appeals No. 1 CA-CV 90-478, by Grant with Voss and McGregor concurring.)



Membership Meeting Location

TUCSON CACTUS & SUCCULENT SOCIETY
c/o TUCSON BOTANICAL GARDENS
2150 N ALVERNON WAY
TUCSON, ARIZONA 85712





TUCSON CACTUS & SUCCULENT SOCIETY

Thursday July 1, Gene Joseph will present 'Cactus & Succulent Seedlings: Up Close & Personal' to our general membership. Gene, grower of C & S for 20 years, has a degree in plant sciences from the University of Arizona, was the Arizona-Sonora Desert Museum's plant propagator for 7 years, and started 'Plants for the Southwest' in 1985. Currently, meetings are held at 7:30 p.m. in room 5403 of UMC (see map). See you there!



Our June program was attended by about 50 people, including several guests. A dual trip, first we 'went' to San Miguel, Mexico, to meet new discoveries *Gochintonia mexicana* and *Aztecium hintonii*, then quickly off to the tiny Mediterranean island of Malta. In his spare time, our busy president Chuck Hanson gave a fine program on both.

The CSSA board held its premier meeting outside the U.S. in January. CANTE is a conservation/education organization headquartered in San Miguel, Mexico, that Chuck thinks will be very good in reclaiming that area and educating the people on conservation of vegetation. He hopes that TCSS can develop a close relationship with CANTE so they can be intimately involved with the CSSA convention hosted by Tucson in 1995.

We were treated to slides of *mammillaria*, *ferocactus*, *ariocarpus*, *thelocactus*, *myrtillocactus*, *opuntia*, *euphorbia*, *acacia*, *agave*, *turbinocarpus*, *stenocactus*, *cassia* and *lophophora williamsii* (peyote). Local vegetation included a few plants Chuck feels should be elevated to the status of "honorary succulent!"

In March, Malta was the location of an IOS (International Organization for the study of Succulent plants) & CITES (Convention for Trade of Endangered Species of Flora & Fauna) joint conference to facilitate worldwide trade of artificially propagated plants. By making legally-grown plants readily available, the market for smuggled plants dwindles. The idea behind CITES is that, by declaring a species endangered or threatened, we can protect them in habitat. The best way to do that, for collectable plants, is to make legally-grown plants readily available. The United States, more than any other country, has been a roadblock in this effort.

After showing slides of the town, people and sea, Chuck affirmed that the island of Malta is for lovers of birds (Malta is on a major migratory route), sun & water, but not succulents! Thanks, Chuck!!

Convention Update...

As I type, your convention committee is working frantically to create a TUCSON '95 poster depicting the sahuaro harvest for presentation at the July convention in San Francisco. Designed and individually watercolored by Janette Benziger, we hope to have it for our July 1 meeting.

Norma's News

CSSA now offers affiliated clubs a \$4 rebate for new members (using properly stamped forms). See Jeri.

Please give a warm welcome (no problem for Tucson in June!) to:
ROSEMARY MAKAR 3202 N COUNTRY CLUB #16 85716
881-2204

Jim Hosack, our librarian, DOES have a phone number. (SOMEONE forgot to include it last month. I won't name names, but it wasn't Jim!)

JIM HOSACK 7741 PASEO MONSERRAT 85704
742-2555

Our June raffle plant, an Adenia from South Africa, was won by Jim Hosack.

Also from the tropical Africa region, free plants at the June meeting were DORSTENIA species.

respectfully submitted,

Jeri Ogden

FOR IN JULY



Black-Throated Sparrow

WEATHER

Tucson Area

Sunrise: 5:21-5:38 am Sunset: 7:34-7:22 pm

Normal temperature: high: 98.5°F, low: 74°F

Normal rainfall: 2.42 inches

Relative Humidity: 5:00 am, 57%; 5:00 pm, 28%

The summer "Monsoon Season" begins with thunderstorms and heavy rains, usually in the late afternoon or early evening. The norm is 10 days of clear skies, about 14 days with some thunderstorms, and 10 or 11 days with some rain. The rain can be short-lived, but flash-floods can occur in the washes.

THE HEAVENS

Scorpius constellation is low in the southeast with the bright red star "Antares" in the middle of the scorpion. "Antares" means rival of Mars and this star appears very similar to the planet Mars. Three bright stars of the "Summer Triangle" are high in the east. Jupiter is the bright white "star" low in the west. Venus is the "Morning Star" high in the east before sunrise.

ALLERGENS

Mold—moderate,
Pollen—low, Plant parts—moderate

Dramatic thunderstorms drench the landscape, triggering plant growth and a surge of nesting activity. Cassin's Sparrows in shrubby grasslands fly from low perches up into the air to sing on fluttering wings as they drop to earth. Bell's Vireos continue to sing from riparian thickets, even at midday in the sweltering heat. The raucous calls of young Cactus Wrens fluttering their wings and begging for food can be heard all day, but most birds are resting in the shade to avoid the intense heat.

BIRD OF THE MONTH: *Black-throated Sparrows sing from creosotebushes and start nesting if the summer rains are sufficient.*

PLANTS

The seeds dropped now by palo verdes and mesquites will germinate with the onset of the summer rainy season. The summer flowering wildflowers such as Arizona poppy, sunflower, chinchweed, devil's claw and Arizona blue eyes will germinate and grow this month. Grasses will also respond with growth to the summer rainfall in July.

WILDLIFE

Thunderstorms bring new life to desert creatures. Male spadefoot toads join in a deafening chorus of all-night mating calls after surfacing in pools of water left by the showers. They mate in frantic haste for a few days and eggs are laid in the water. After consuming vast quantities of insects, they return to their burrows until next year's rainy season. Colorado River toads dot the highways at night as they search for food. The eggs of some common snakes and the tree lizards will hatch. Late in July rattlesnakes begin to bear live young. Young coats are born and join tribes to roost for tubers and insects in the washes. The little bat seen feeding in the skies before sunset is the tiny pipistrelle. It may weigh only 4 grams, the weight of a nickel. But it needs to eat half its body weight in insects each night to produce milk for its one or sometimes two young.

INSECT NOTES

Paloverde Root Borer. The onset of the summer monsoon heralds the emergence of the giant Paloverde Root Borer Beetle (*Derobrachis geminatus*). These brown, 3-4" beetles spend three years or more as a white accordion-like grub feeding on the roots of paloverde trees. Usually, only trees that are already in a weakened state are killed by the grubs. As the beetles emerge this month, they leave quarter to half-dollar sized holes in the ground around the affected tree.



TUCSON CACTUS & SUCCULENT SOCIETY

AUGUST - SEPTEMBER 1983
NEWSLETTER

PLEASE NOTE: NO MEETING IS SCHEDULED FOR AUGUST.

Traditionally, September is our Silent Auction. If you wish to donate plants, please speak with Bob Webb, 822-1059, first. Related paraphernalia is also welcome! (fertilizer, books, tweezers?) This madcap event will take place

SUNDAY, SEPTEMBER 19 at 2 PM,

near the Education building at Tucson Botanical Gardens. It must be rather entertaining to sit (in the shade!) and watch crazy succulentists parade around tables of odd-looking plants, cooing & pointing!! Don't you think?

For your convenience, item/plant tally sheets are included in this hurriedly-pasted-together newsletter. Hey, it's summer...and I deserve a vacation, too!! Also inclosed is a poster order blank. Mail it to Linda, today!

Our July program, 'C&S Seedlings, Up Close & Personal', was both helpful and entertaining, courtesy of Gene Joseph, his ring, and a tiny duck!

Meeting attendees were treated to slides of various seedlings, including epithelantha micromeris: a small, slow-growing favorite which has tiny insignificant flowers but larger bright red fruits, and is commonly known as button or golf ball cactus; jatropa, opthalmophyllum, conophytum, glottiphyllum, turbinocarpus, aloe, echinocereus, an astrophytum hybrid, adenium, fouquiera, stapelia, anacampseros, adromischus, ariocarpus, opuntia, lithops, boojum, encephalitis, and peniocereus greggii. (His Queen-of-the-Night seed was collected from a plant near Benson which bore over two hundred blooms 2 nights in succession!)

After much experimentation, Gene is currently using a mixture of 2 parts pumice, 1 part peat, and 1 part decomposed fir bark as seedling mix. He recommends starting no more than 50 - 100 seeds in a 3" pot, fertilizing 4 to 8 weeks after germination, not before, and cautions that using water to clean lithops and mesemb seeds greatly reduces their viability.

One must think on a miniature scale when propagating plants (hence the tiny duck!), as seedlings do not yet have the ability to store water and are very susceptible to weather stress. SO, KEEP THE HUMIDITY UP!! Gene has built a germination chamber-soft plastic sheeting over a wood frame - and has special misters for this purpose. A light mist is important, as germinating seeds have no defense against a flood (large drops of water!)

Gene learned the hard way that heating cables are not necessary if seeds are sown when temperatures are doing what you need-spring for northern hemisphere natives, and fall for succulents endemic to the southern hemisphere.

After much running around, Linda brought our brand new convention poster to display at July's meeting! Individually watercolored & signed by artist Janette Benziger, these 18 x 24" Sahuaro harvest scenes are a 'gonga' at \$12 for Tucson club members (picked up at meetings or her home) or \$20 mailed. A poster order blank is attached. It is hoped they will be displayed in appropriate nurseries all over Tucson. Arizona?? etc, etc. Linda's mailbox awaits!

Life Member Nancy Clarke has donated Sahuaro boots to be used at our convention - THANKS, NANCY! Also, she has moved. Please note this change: P O Box 2046, ShowLow, AZ 85901. New phone 537-0402.

Mark Dimmitt generously donated Stapelia nobilis for our July meeting. These magnificent succulents bear 14" flowers lightly lined with crimson and fringed with silky hairs.





TUCSON CACTUS & SUCCULENT SOCIETY

c/o Tucson Botanical Gardens 2150 N. Alvernon Way Tucson, AZ 85712

OCTOBER 1993 NEWSLETTER

Dan Ferguson of Mesa Gardens in Belen, New Mexico will speak on 'Cactus in the Andes' at our usual time & place - UMC (1501 N Campbell), room 5403 at 7:30 on Thursday, October 7.

Our primary business item will be nomination of officers (one year terms; positions to be filled - Pres, VP, Publicity, and Treasurer) & board members (3 year terms, 3 positions opening up). Nominees will be named in the next newsletter, and we vote at the November 4 meeting.

The lovely Tucson Botanical Gardens was the sight for our Super Silent Auction. Too bad if you missed it - the turn-out was impressive and we added \$617;00 to our kitty!!! Thanks to all who donated plants (there were some gems!) and warm fuzzies for those who helped manage the auction.



ROSTER UPDATES - Please Welcome:

LESLEY GILBERT 4802 S PRUDENCE, TUCSON AZ 85730 747-5799

B & B CACTUS FARM 11550 E SPEEDWAY, TUCSON AZ 85748 721-4687

& Change:

ROSEMARY MAKAR 555 E LIMBERLOST, #2044 T, AZ 85705 293-2297

News of note from your newsletter editor (Jeri Ogden): My *Stapelia nobilis* (July's free plant - courtesy Mark Dimmitt) is currently producing several flowers - YES!!

More jewels from Jeri: Announcing a TCSS logo contest. WE NEED A CLUB LOGO!! Entrees close 12/31/93 (or as soon as I see one I like!)

I also want to name this newsletter. Any ideas?



THEY'RE HOT!!

Due to the popularity of our posters (we've already sold 35) and since it's a limited edition of 50, you had better order yours today!! Call Linda Benziger, 881-3212. Hurry!!

Your board met August 17 to discuss convention plans and select committee chairpersons. Board members present: Chuck, Jeri, Dick, Gene, Myrtle, Miles, Dan, Linda and Norma (complete with broken hip!) Jane Evans was also present, so we put her to work!

We brainstormed about the need for careful/thorough planning & foresight - efficiency, coordination, courtesy, a closing ceremony, beverages, banquet(s), overflow accommodations, favors-plant material/tote/sipper-mugs, and ID - badge/shirt/vest/hat.

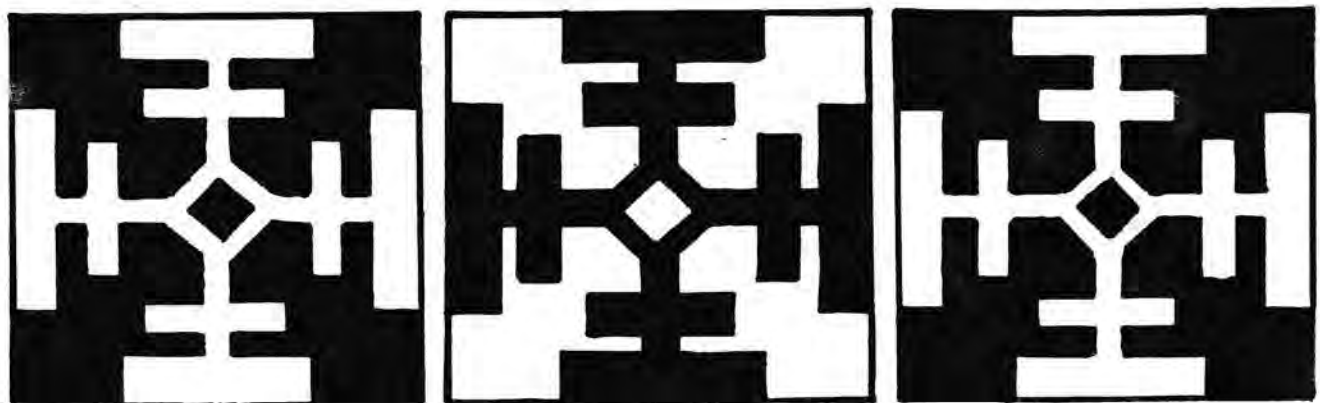
Committee chairpersons:

Jane	Food & Beverage	628-8773
Gene	Sales	628-8773
Norma	Hospitality	885-0669
Linda	Club Sales	881-3212
Richard	Tucson Program Chair	885-6367
Miles	Facilities	682-7272
Dan	Administrative Oversight	325-4967
Jeri	Logo	292-2965
Chuck	Audio Visual (& Convention Coordinator)	883-9404

We still need to find chairs for Field Trips, Solstice, & Publicity committees. If you have any thoughts on this, let's hear 'em!

To volunteer, phone the committee chair of your choice! (Pick a chair...any chair!) Committee meeting times & locations will be printed here as available...in any event, plan to be a part of Tucson '95!!

Acting Treasurer Myrtle Ethington reports the club had a total bank balance of 5,475.07 on July 31, 1993.



From Long Beach Cactus Club's newsletter (Carol & Joe Wujcik, editors) a Quotable Quote: 'God put me on earth to accomplish a number of things. Right now I'm so far behind I will never die.'

The article below is also from LBCC's 'Roadrunner News', 7\93.

NOTES ON ECHEVERIA

From Fresno's 9-92 Newsletter by Sue Haffner: "Most of the species of Echeveria come from the southern and eastern states of Mexico: Puebla, Vera Cruz, San Luis Potosi and Oaxaca, mainly. From Oaxaca the distribution spreads north in a narrowing triangle across the high plateau of the Mesa Central as far north as Chihuahua, giving a very wide geographical distribution. The average temperature in this area is milder than might be expected, considering the latitude. Echeveria habitat is the cliff faces and rocky hillsides at 2,500 meters altitude, growing in association with Sedums and Pachyphytums; or among bush and pine forests in varying degrees of exposure and shade."

Via Cascade's The Point (12, 7), March 89, excerpts from an article by Middlebury, Connecticut: "For years I have loved Echeverias. To me they are like

I love good food, yet I'm no gourmet nor even a good cook. I don't have the time to write about Echeverias, I'm neither a botanist nor an expert. One thing emerges from my thoughts. When it comes to Echeverias, I want to see you enjoy them. Why? Because I'm hoping you should be, too.

"What's so special about them?.....I like the colors, the textures, and the variety of forms found in Echeverias. I like the winter beauty that they show when many of my other plants are resting from their summer displays of finery. And, yes, I like Echeverias because they seem to be only surpassed by Haworthias in their ability to furnish supplies of "give away" pups.

"I have some books on Echeverias but they seem to concentrate on species and ignore those beautiful hybrids I've come to love. Have you noticed how often their lovely pictures grace the pages of our colorful succulent books? There are some very handsome species like chihuahuensis, nodulosa, crenulata, derenbergii, setosa, and the newly found lauri, to name just a few. Without plants like these, there would be none of the hybrids that grace the extra sunny shelf across the south end (in Conn.) of my greenhouse. They like it there and they reward me by showing their best color and making healthy compact growth.....

"I grow Echeverias in a lighter soil mix than the one I use for cacti. It's closer to what I use for Haworthias. Over the years I've grown them in a half dozen different mixes; all seem to work but for now I use a mixture of peat, perlite, a little rough sand and Osmicote for fertilizer (Conn.). It dries out fast in the hot sun, but Echeverias seem to like it.

"I water them fairly often, even in winter, so they don't lose too many leaves during this slow growing time. They seem to like lots of water in summer and they put out new leaves at a fast rate if given food and root room....."

"Let's see, I know it's time to get scientific and really tell you something about Echeveria. The problem is nothing scientific comes to mind. I think I'd better go read some of those books on my shelf. At least then I'll have some really worthwhile stuff to share with you. Now the name Echeveria comes from -- Oh, to heck with it, you can probably read better than I can! Try: "Echeverias by E. Walther (Calif. Acad. Sc., 1972), or "Echeverias" by Carruthers & Ginns (Contact Rainbow)."

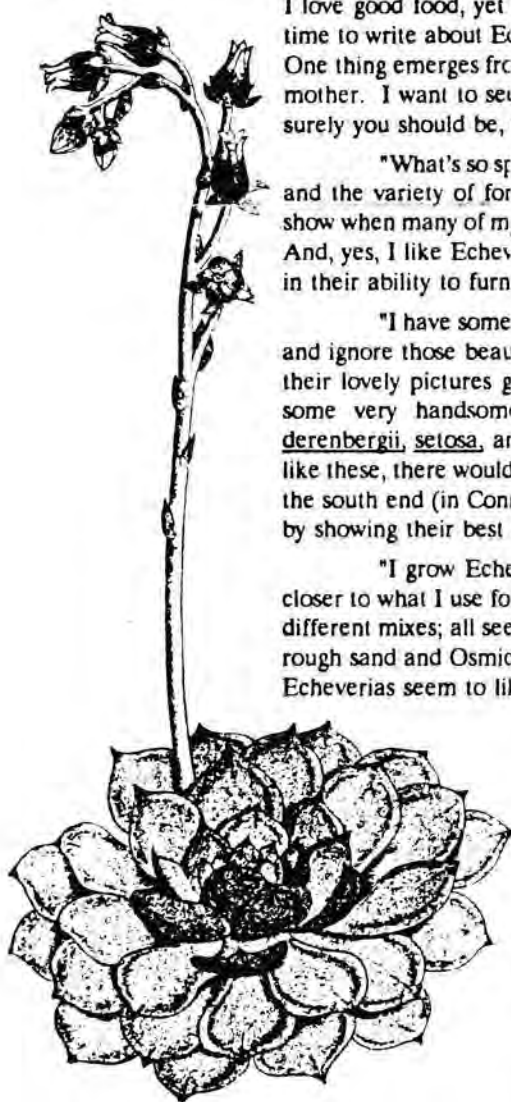


Fig 45. Echeveria glauca Hort. Blaugrüne Echeveria.



TUCSON CACTUS & SUCCULENT SOCIETY

NOVEMBER 1993 NEWSLETTER

NOVEMBER 4, 7:30 P.M.
ROOM 5403, UMC
(1501 N. CAMPBELL AVE.)

Our primary goal: elect officers and a board who will meet the challenges ahead in '94 as we make plans for Tucson '95!!

The nominees for office are -

President:
Richard Wiedhopf

Vice President:
Chuck Hanson

Secretary & Newsletter Editor:
Jeri Ogden

Publicity:
Linda Benziger

Treasurer:
Myrtle Ethington

Please Note: Chuck Hanson is also Convention Coordinator and Dick Wiedhopf was president (AND Convention Coordinator) for CSSA's 1977 Convention - held here in Tucson....So we have experience on our side!

TCSS board has three vacancies annually. In addition, there are two positions opening up. The five nominees are:

Gene Joseph
Jim Hosack
Bob Webb
Mary Church
Matt Johnson

PLAN TO ATTEND & CAST YOUR VOTE!!!

Your December newsletter will feature a complete listing of officers, directors, and their phone numbers!

YOU KNOW YOU'RE A CACTOPHILE...

- ...if all your gloves have spines in them.
- ...if you make u-turns on the freeway when you pass a C&S nursery that's on the other side of the road.
- ...if your greenhouse is larger than your house.
- ...if you can't leave home without them.
- ...if you can remember all your plant names, but forget your grandchildren's names.
- ...if you sit up all night waiting for the night cereus to bloom.
- ...if you think wars refer to battles with mealy bugs and spider mites.
- ...if you spend more on plant food than on people food.
- ...if your only reading material is the Cactus Journal.
- ...if your greenhouse has a security system and your house does not.
- ...if all your shirts are cactus prints.
- ...if you use cactus names for letters when you spell a word over the phone; i.e, CAR - C as in cereus, A as in astrophytum, R as in rebutia.
- ...if your picture albums are filled with photos of your plants instead of your relatives.
- ...if your hair style starts to resemble a Cephalocereus senilis or Backebergia militaris.
- ...if you try to deduct your plant care expense with your medical expense on your tax forms.
- ...if you send out birth announcements when your mammillarias offset.
- ...if you think getting stuck with opuntia spines is a form of acupuncture.
- ...if you sing Christmas caroles to your schlumbergeras when they bloom.
- ...if you hire a stylist to groom your hairy cacti.
- ...if you celebrate the birthdays of your seed-grown plants.
- ...if you start naming your children after cactus names.

Green's up, Peg Spaete
Oregon C&S Society

Courtesy Kansas City C&S

Jack Makepeace, Editor

\$\$\$ It's very nearly time for 1994 dues, and Myrtle will gladly accept yours! They are still \$10/individual, \$15/family.



Sunday, November 21 we have a special treat - the Central Arizona C&S Society is coming to Tucson for a succulent shopping spree and to picnic with us!! Their first stop is Dan Bach's Cactus Nursery (8602 N. Thornydale Rd) around 10 a.m. Then a bring-your-own brown bag lunch is scheduled for 12:30 at Sahuaro National Monument West (2700 N Kinney Rd). Please bring beverages and desserts to share, as we are providing these.) Following this, a visit to Chuck Hanson's Arid Lands Greenhouse (3560 W Bilby Rd) is planned. Afterwards, everyone is invited to Miles Anderson's (6125 N. Noel Lane) for a look-see. Thanks, Miles, for coordinating all of this!



Thirty - six attended October's meeting, (a poor turnout, I'd say, but for several guests.) Our program featured a fine slide show & talk on 'Cactus in the Andes' by Dave Ferguson of Belen, New Mexico's Mesa Gardens.

Villages, hillsides and plants of western & southern Argentina were shown, starting at Buenas Aires and working high into the Andes mountains. We saw many varieties of trichocereus and opuntia, as well as purslane, portulaca, cereus, gymnocalycium, passiflora, echinopsis, lobivia/rebutia, stetsonia, rhipsalis, bromiliads, begonias, ferns, peperomia, verbena, oxalis, dychia and a tefrocactus weberii.

The genus parodia was also present, and has a huge temperature tolerance.

There are 3 anacampseros species in Argentina - and all have tuberous roots.

There is also a new genus - austro-cylandro-opuntia-schaferi-echeveria, which Dave says he & a few others in the trade have agreed to refer to as 'austro-cholla'!

Dave's succulent interest evolved from entomology, in fact, so he couldn't resist including a millipede, butterfly, walking stick, snail, and beetle in our tour. Thanks, Dave!



Miles grew the free plants, a choice of corypantha vivipara v. vivipara or echinocereus viridifloris, from seed. Both are hardy to 10 degrees or better. A lovely bursera fagaroides - flaming stick - was our main raffle plant, along with several Tucson-hardy cactus. The raffle brought in \$32, with the Bursera going to Linda's house.

Norma Beckman, our CSSA affiliate who fell and broke her hip at the San Francisco convention in July, is currently rebounding from pneumonia! We all wish her a speedy recovery. She is selling a copy of the OUT-OF-PRINT Euphorbia Journal, Volume 1 for \$60. Call her at 885-0669.

I regret to announce...

Harold Church, a charter member of our club, passed away September 25 after a long illness. 'Leafy' Frank, a former hospitality coordinator for TCSS, died in September, also. Both of these generous plant lovers will be greatly missed. In addition, those who remember the lovely art & creativity of Agnes Daniels (The coversheet for our '93 roster is her work) will be sorrowed to learn of her husband's terminal illness.

I received a newsy letter from Betty & Alan Blackburn (both life members), now of Mesa. Betty says she misses Tucson, the desert, friends here, & says hello to all. Although she didn't mention it, I understand Alan, too, is seriously ill. She made several suggestions for naming this monthly journalistic effort. Thanks, Betty!

And now, some GOOD NEWS:

John and Renee Palting had a GIRL - CONGRATULATIONS!!



Roster Changes:

Bev White	11550 E Speedway	85748	721-4687
c/o B & B Cactus Farm			
Jeri Ogden	3329 E Navajo Place	85716	321-9484
(effective November 9)			
Gary Davies & Cindy Beckley	3538 E Fairmount St	85716	795-6029
William Humphreys	7342 N Pilgram Place	85741	

& Please Welcome:

Mark & Margaret Sitter	P O Box 23404	85734	578-9180
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Deadline for December newsletter:

All info must be in hand by Monday, November 15.

OUR NOVEMBER PROGRAM: 'Chollas of Arizona & Adjoining Regions - a Revision', will be presented by Consulting Ecologist Marc Baker, PhD, of Arizona State University. Join us & meet the man who has doubled the known varieties of Cholla!



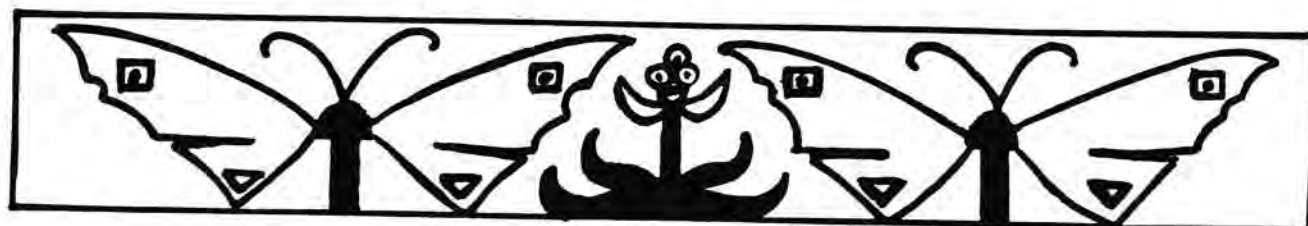
VERY IMPORTANT - In November we begin a 'BRAG TABLE'. (Show & Tell?) Bring a succulent you're proud of, and tell us why!! Choose something unusual, a 'specimen' plant, one that is blooming, or ??? Show us whatcha got!

Holiday Potluck info in next newsletter. Save the afternoon of Dec 12!

In January, the CSSA board of directors meets IN TUCSON! Details as available!

WARNING to all artistic types: A new member last spring, Lesley Gilbert has her clever entry in for club logo. Lets give her some competition!!

HAVE A SAFE HALLOWEEN!!!!!!





TUCSON CACTUS & SUCCULENT SOCIETY

DECEMBER 1993 NEWSLETTER

EDUCATION BUILDING (AND PORTER HOUSE IF WE NEED IT)
TUCSON BOTANICAL GARDENS
2150 N ALVERNON WAY
1 P.M., DECEMBER 12

HOLIDAY POTLUCK

THE CLUB WILL PROVIDE rolls & drinks.

To volunteer to do a turkey or ham, call Jane Evans at 628-8773.

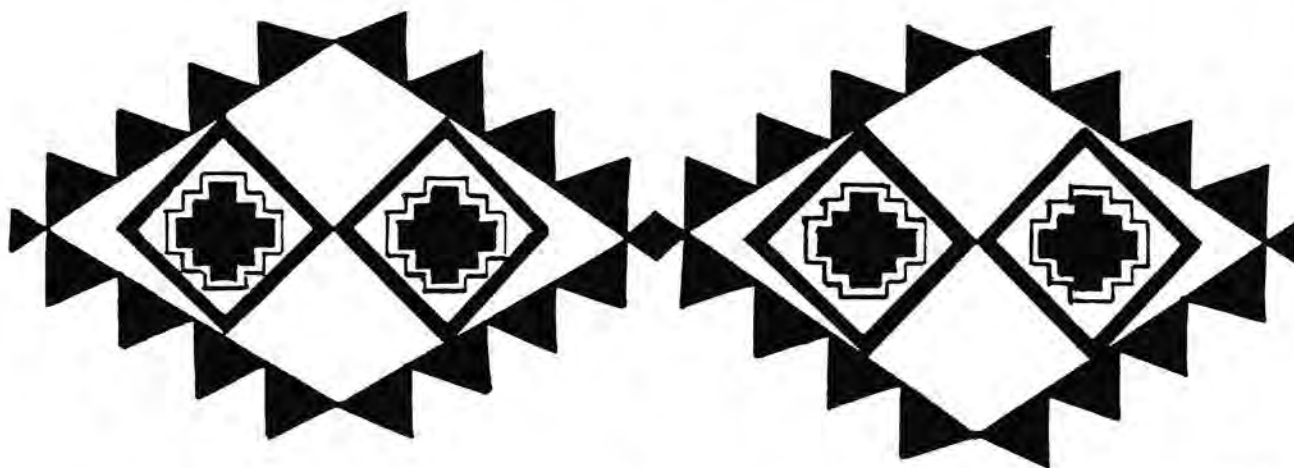
Members & guests will need to bring a plate, utensils, cup, wrapped 'white elephant' & dish to share: A-E main dish, F-M salad or vegetable, and N-Z dessert. EVERYONE is WELCOME!!

About the 'gift' - cleverly disguise your offering! Seeds or a plant are desirable, of course, but a well-camouflaged 'white elephant' is typical and can be more fun.

We will eat first, then exchange gifts.

ROSTER CHANGES

Steve Carpenter 3255 N Country Club #32 -16 751-9756



DUES!!! DUES!!! DUES!!! DUES!!! DUES!!! DUES!!!
Too late for the November newsletter, the board voted to increase dues. Effective January 1, 1994, club membership is \$15/individual, \$20/family. Pay yours now and SAVE!!

In October, we learned about Opuntia. (Attendance was low - just over 30.) From Mesa Gardens in Belen, New Mexico, Mark Baker was our knowledgeable speaker.

Among the best known of all cacti, these largely desert-dwelling plants include prickly pears, which have branches of fleshy, flattened pads, as well as chollas, with cylindrical stems ranging from bushy shrubs to tree-like plants 20 feet tall. These plants have no ribs, but some are heavily armored with spines, and all bear glochids - tufts of barbed bristles rather painful when embedded in the skin! Colorful blooms are followed by edible fruit & makes these plants a valuable commodity in parts of Mexico & South America.

Teddy-bear cholla (*Opuntia bigelovii*), a familiar species in this desert, is 3 to 8 feet tall with jointed, cylindrical stems 2 inches thick, and protected by many stiff, silvery-yellow spines up to 1 1/2 inches long that become black with age. Greenish-yellow flowers 1 1/2 inches wide bloom in the early spring, followed by yellow-green fruit.

Bunny ears or opuntia *microdasys* (I helped remove a large runaway clump from my new front yard the day of our program), also well-known (and popular?) is a shrubby species that grows no higher than 3 feet. It's 3-6 inch spineless pads are not as gentle as the name implies; they are covered by tufts of skin-piercing glochids. These tiny yellow bristles are set off in summer by pale yellow flowers.



Our BRAG TABLE featured several varieties. Thanks to Mark Dimmitt & Miles Anderson.

Raffle plants were all opuntias!

The free plant was Beaucarnea recurvata (Ponytail Palm).



The main business of our November meeting was ELECTIONS. As promised, a complete listing follows:

1994 OFFICERS

PRESIDENT	DICK WIEDHOPF	885-6367
VICE PRESIDENT	CHUCK HANSON	883-9404
SECRETARY	JERI OGDEN	321-9484
TREASURER	MYRTLE ETHINGTON	887-4507
PUBLICITY	LINDA BENZIGER	881-3212
CSSA AFFILIATE	NORMA BECKMAN	885-0669

BOARD MEMBERS

92-94

MILES ANDERSON	682-7272
LINDA	
MYRTLE	

93-95

NORMA	
DAN BIRT	325-4967
DICK	

94-96

JIM HOSACK	742-2555
MARY CHURCH	624-7976
JOSEPH	628-8772
EBB	822-1059

er 21 has come & gone, but 15 representatives of TCSS were
d to greet a busload of our neighbors (27) from Phoenix.
from Tucson resembled a canine!



January 15-16 the CSSA board meets at the Doubletree in Tucson!
In lieu of our regular meeting, TCSS will have two talks
(featuring Seymour Linden, Gerry Barad) and a dutch-treat dinner.
This is an opportunity to watch the national organization conduct
business! Details in January newsletter.

Happy Holidays!!
Jeri Ogden