

South coast

# Newsletter

Cactus &  
Succulent  
Society

MARCH 8, 1987

SOUTH COAST BOTANIC  
GARDENS, 26300 Crenshaw  
PALOS VERDES PENINSULA

1:30 PM

PROGRAM: SHOWS, SHOWING, AND  
JUDGING by a man who  
believes in the benefits  
of the first, and excels  
at both the 2nd & 3rd:  
WOODY MINNICH. Have you  
ever wondered how judges  
judge and why they pick the  
plants they do? Have you  
wondered how you can make  
your plants more show-worthy?  
Most of all, have you wondered  
why we take time, energy, &  
worry to put on a show year  
after year? THEN COME THIS  
SUNDAY, FOR THE INSIDE STORY!

REFRESHMENTS: Peggy Cody, Jim Hanna,  
Dorothy McArthur, and Rose Salkin. Thank  
you!

DOOR PRIZE: Yes (& Con-  
test prize too)

BRAGGING TABLE: Bring what's looking good, or what's interesting or  
puzzling - to share.

SALES: We hope Woody & Tandra will bring plants to sell, plus Jim &  
MaryBelle will be bringing other plants and supplies.

LIBRARY: Stephen Reinhardt has taken on the job of Librarian, at least  
for now. We have many good books to help you identify &  
learn about your plants.

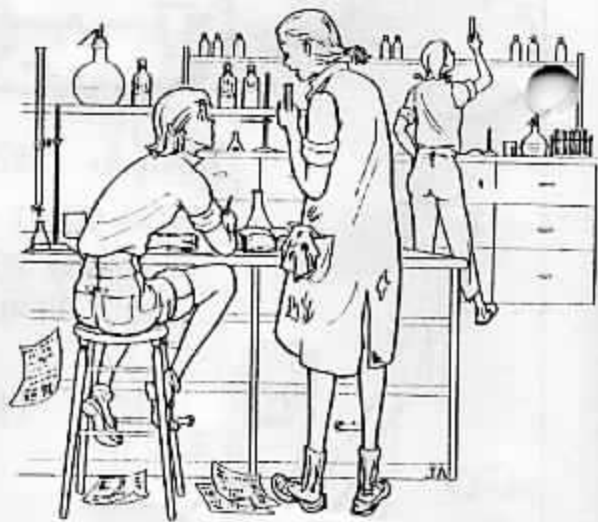
ALSO - SHOW SCHEDULES, SHOW FLYER CONTEST - more info. inside newsletter.

GO  
for the  
GOLD



1987 OFFICERS:

President Ed Hancock (375-3410)  
 1st VP (Publicity) Carol Kennedy,  
 (679-6021)  
 2nd VP (Programs) Jim Hanna,  
 (920-3046)  
 Secretary Dorothy McArthur,  
 (547-5401)  
 Treasurer Roz Hancock (375-3410),  
 Show Chairmen, Norma Holley, Bob  
 Causey, & Carol Kennedy.  
 N.L. Editor, Carol Wujcik, (714)  
 (963-3146)  
 Membership: Norma Holley, (212-  
 6130), 2971 Toledo St. #220,  
 Torrance, CA 90503-7340.  
 Membership is \$5 plus \$1 for each  
 additional household member.  
 \* \* \* \* \*



*"What we're trying to create here is a real show-stopper -- a Fero with turquoise spines on a chartreuse body with pink pink wool. What we want is something that'll just stun the judges!"*

APRIL ANNIVERSARY BUS TRIP:

Carol Kennedy will be reporting on where we'll be going. The date is the regular meeting Sunday in April. Sign up this month, or call Carol at 679-6021.

\* \* \* \* \*

CREDITS: Cover drawing is from Stan Oleson's Bromeliad World Conference issue of The INFLORESCENCE, bulletin of the S. Bay Brom. Assoc. - Opuntia (in torch) however, is by Elibet Marshall of the San Diego Society.

\* \* \* \* \*

Cartoons are repeated from last year's Show Issue, & are by Anne Cleveland & Jean Anderson. Please see this n.l., June, 1986.

The judges say that cleanliness is next to godliness, so scrub that old pot until it looks like new (with trisodium phosphate 2 tablespoons to a quart).



SHOW PREP!

*"It was centered when I repotted it, but now..."*



ON THE MEND: Several of our members have been recuperating from various accidents and ills. Verna McCarty is home from the hospital, Bob Causey is recovering well from his auto accident, and Zanara was also in the hospital recently though out and about now. And others have had assorted colds and flus. We hope everyone is much improved and feeling better.

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ANNUAL SHOW FLYER DRAWING CONTEST: Have your drawings ready to be judged at the March meeting this Sunday. They should be in black ink on white paper without a lot of shading and no larger than 5½" X 8½". If not original, permission & credit should be included. One drawing shall be chosen by the majority vote to go on the ad flyer for the Show/Sale on June 13th & 14th. THERE WILL BE A PRIZE.

JUDGES LUNCHEON: What type of luncheon would you like to serve the Judges this year? Bring your ideas to the meeting. The Judges and Clerks lunch will be Saturday, June 13, at noon.

\*\*\*\*\*

THANK YOU TO ELEANOR BARKER FOR FILLING IN AS REFRESHMENTS CHAIRPERSON WHILE VERNA HAS BEEN ILL.

SHOW SCHEDULE

CLASSIFICATION COMMITTEE

The revised 1987 show schedule will be available at the March meeting, as well as the May meeting. The schedule is much like last year's. If you have questions, please let Norma Holley know.



REPOTTING: It will soon be time to repot those plants which will need it to become show-worthy.

You will need to start your cuttings & offsets soon for donations to the Club sale.

*"Just because the botanists are all combining genera, doesn't mean we can classify ALL the cacti under Borzicactus!"*

MEMBERSHIP REPORT:

Norma Holley distributed our 1987 ROSTER at the February meeting. A lot of work went into it, and the Society thanks Norma for all the effort involved. Nor is a Membership Chairperson's job ever done. Norma reports that there are already additions (see below), and that as of Feb. 23, we had 72 members in our Club. We also exchange newsletters with other societies. Again, thank you, Norma, for the beautiful roster, artwork by Karen Holley.

ROSTER ADDITIONS:

A.G. Talley & Roz Bruning  
P.O. Box 1994  
San Pedro, CA 90733  
831-4202

Elizabeth Thomas  
13011 Casimir Avenue  
Gardena, CA 90249  
321-9630

Gen. Cacti & Succulents  
\*\*\*\*\*

Gen. Cacti & Succulents  
\*\*\*\*\*

Judy Miller & Sue Ivey  
20518 Catalina  
Torrance, CA 90502

Eleanor & Danny Valenzuela  
4621 W. 141st St.  
Hawthorne, CA 90250

Echeveria & Gen. Cacti

\*\*\*\*\*

RENEWAL GREETINGS: Fred Rouillon and Ruth Lunder sent the Society a Seasons Greetings card and a note with their renewal. They wrote:

Please let us know if the Club plans a visit to Huntington Library (Cactus Garden)! It is not too far from us (possibly 50 miles) and we could join you! Would like to! The Bulletins are beautiful; please extend our thanks to Carol Wujcik and give our regards to the entire group. Congratulations to Ed Hancock "our" new president.

Sincerely,

*Fred Rouillon  
& Ruth Lunder*

\*\*\*\*\*

NOTE: SHOW SCHEDULES WILL BE DISTRIBUTED AT THE MARCH MEETING. If you cannot attend and need either the show schedule or roster, please write Norma Holley, 2971 Toledo St., #220, Torrance, CA 90503 - 7340.

If you were at the February meeting, you know that the Garden has served notice that no clubs could meet there on weekends. Ed & Roz will check further to see about a possible reprieve as it seems to us we cause few if any problems and contribute much to the Garden. What is reprinted below came via Stan & Val Oleson's *INFLORESCENCE*, the Bulletin of the S. Bay Bromeliad Assoc., which meets at S. Coast on a Sunday, as we do.

The below letter was received February 18th. The State & County Board of Arboretum & Botanic Garden want to feature large week end programs at Garden similar to the Fall Flower Show at the Arboretum in Arcadia. As you see in the letter, we have to choose to have our meetings during the week in the evenings or find some place else- anyone have any ideas???? Bring them up at our next meeting.

**SOUTH COAST BOTANIC GARDEN FOUNDATION, INC.**

20,000 E. Jamboree Road, Suite 150, Los Angeles, CA 90024  
(213) 744-1948

February 16, 1987

TO: South Coast Botanic Garden Societies  
FROM: South Coast Botanic Garden Foundation, Inc.  
SUBJECT: Scheduled Meetings

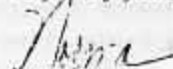
The Los Angeles County Department of Arboreta and Botanic Gardens has revised their policy for all the Gardens regarding scheduled meetings.

As of July, 1987, it will be necessary for all societies using Garden facilities on the weekends for their regular meetings to make arrangements to hold these meetings during the week.

Please call me at the Foundation office +544-1948 to arrange a new meeting night for your group.

We are very sorry for any inconvenience this might cause, but it is necessary for the Foundation to uphold any and all policies set by Los Angeles County.

Very truly yours,

  
Norma

*Eleanor Barker is our propagation chairperson, and at the February meeting she distributed seed to those wishing it. Along with the seed she gave everyone the following handout on growing from seed. We thank Eleanor for permission to reprint it, and thank Barbara Allen for her drawing from the Orange Cty. Mbrshp. Book, 1983.*

#### PLANTS FROM SEED

Use small pots (2") because they suit the small size and relatively slow rate of growth of these plants. Pots must be clean. Wash them in soapy water, rinse in 10% chlorine bleach solution, and air dry. Label the planted pot with the plant name, any collection number the seed may have, and the date planted.

There are probably as many growing mediums as there are growers! The mix should drain well, hold some moisture, and have a good amount of pore space for air around the roots. The largest percentage of particles should not be bigger than the seeds. A good mix for the beginner might be one part sifted potting soil (not a very peaty mix--Uni-Gro potting soil or cactus mix are fine) and two parts sifted sponge rock or agricultural pumice. After planting, moisten the pots with boiled, cooled, water with a fungicide in it by setting the pots in a pan of the solution.

It is important to keep the surface moist. The pots may be put in plastic bags, in a clear plastic shoe box, or some other container that will allow light and keep the moisture in. Unfortunately, this is a great environment for fungus diseases, so the pots must be watched for signs of these problems. Keep the pots warm--they should not get below 65° at night. Too much light will sunburn the seedlings, so if the pots are in a sunny place, a white paper over the top will shade them and still allow bright light.

After the seedlings have sprouted, fertilize them very lightly--one quarter the amount indicated on the fertilizer for other plants. Use a low nitrogen ratio fertilizer such as Miracle Gro<sup>®</sup>.

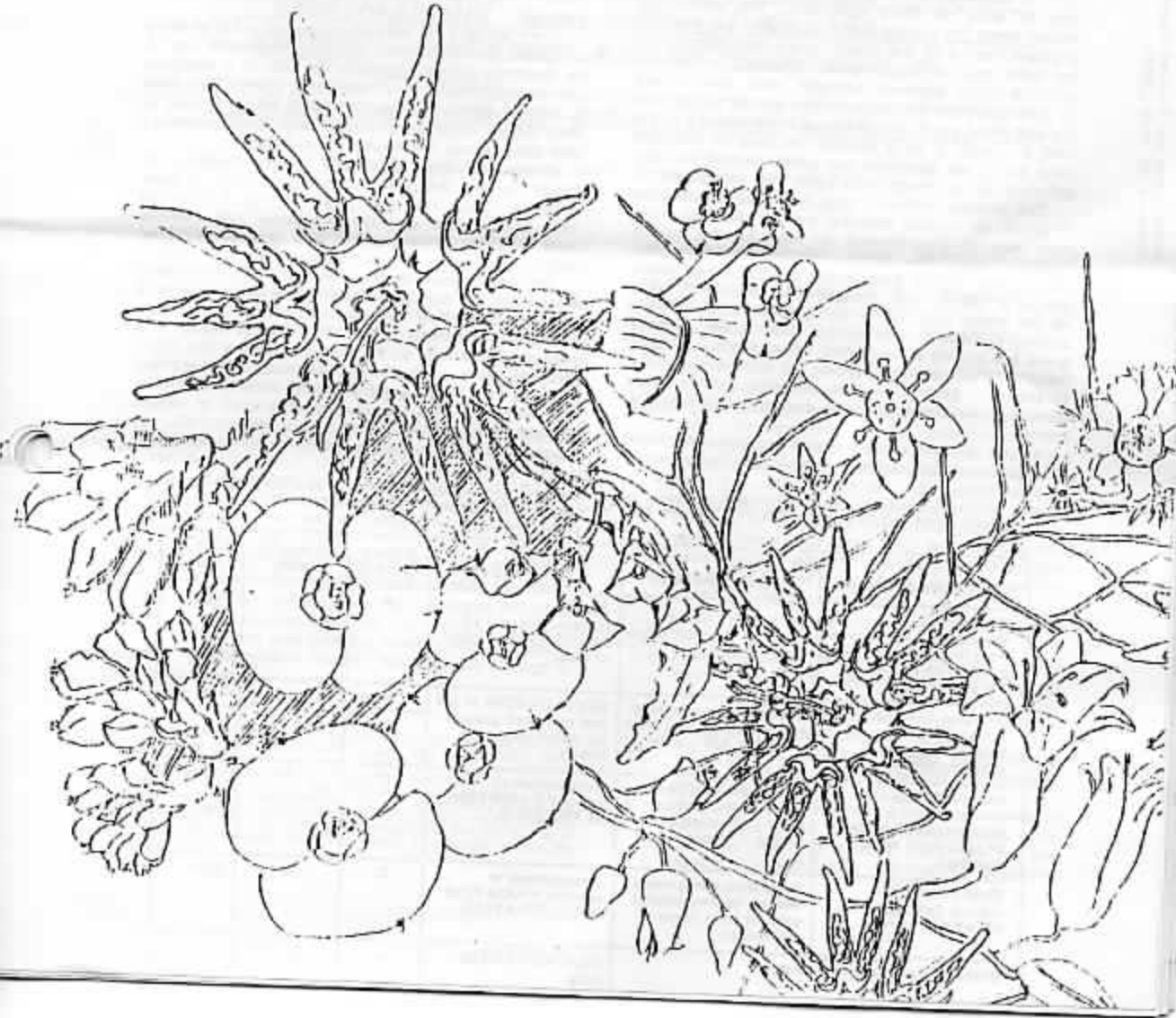
When the little plants touch, transplant them into new pots, still small, with about one and a half to twice the diameter of the plants between plants. Mark the transplanting date on the tags and carry over the other information from the first tags.

The tags have minimum records on them. More complete record keeping would be interesting and be of more value to you and other growers in the future. These records could be in just a little spiral notebook and include the information on the tags with additional information such as germination

rate (number of plants germinated divided by the number of seeds planted), what soil mix was used, what fertilizer, what and when problems occurred, what was done to solve them, and were they successful, when the plants first blossomed, etc. You may even wish to give all or a few single plants more specific numbers and keep records on each.

GOOD GROWING!

READY TO GROW YOUR OWN LITTLE CACTI? Eleanor still has named seeds from Lau. Or if you have harvested your own and can donate some to the Propagation Committee for distribution, let Eleanor know. It's best if the seeds are named as completely as you can. If it's a possible hybrid, give the mother's name and possible pappas.



Although sometimes debatable, sometimes impractical, and sometimes overly long, the following article from the British C & S Journal is included in its entirety for those really serious about recordkeeping. Eleanor's Seed Raising article mentioned the importance of records, and all botanical gardens prefer data on their plants. For botanists and researchers, records are essential. But even the beginning collector should try to keep orderly records, if even on a modest scale, or if even for only a few plants. Tags in pots, especially plastic ones, are soon lost, and your data is gone forever. Cactus Data Plants sells recordkeeping cards, and we hope Woody & Tandra will be bringing some to sell.

## Could the Amateur Collector Do More for Conservation?

by David Parker

This article was prompted by hearing and reading of so many habitat plants with known location data being lost or devalued in importance when the collector dies or sells his plant collection. The information known about the plant material is usually lost because a proper record of the plants' origin and history was not kept, and consequently the botanical importance of these plants declines overnight. Also, when I read of other societies and conservation groups saving wild life and some years later even returning animals to the wild, I wonder if, as a society, we have all the right aims and if we ourselves are doing enough for conservation of our much-loved cacti and succulents.

The amateur collector, who builds up a collection of plants for various reasons, e.g. for showing, must learn how to keep records, at least for the habitat-collected rare or endangered plants within his collection. Living in this busy world and collecting plants just as a hobby, I can imagine the remarks: "It takes up too much time" or "I do not wish to build up a serious collection" and so on. But, surely as pedigrees are passed down for our beloved cats and dogs, we should take care to pass on the plant data at least to the next generation, who hopefully will be more conservation-minded as more and more habitats disappear.

In the last three years I have managed to record the plants in the recently established Echinocereus

Reference Collection, using the extremely good system first put forward by G. D. Rowley in 1979 and more fully explained in his book *Name that Succulent*, which I can highly recommend as a purchase worth making.

Even earlier L. E. Newton published a list of steps for plant documentation, in *S.P.I. Newsletter* No. 4. Mr Newton's article suggested the use of a notebook and straightforward basic entries, a system very easy to follow. Perhaps a reprint of this article in one of their future newsletters would help those members who have joined the hobby since 1964.

Gordon Rowley's suggested 'Status Symbols for Plants' records the plants on a higher level, to show botanical value. The table shown in Fig. 1, from the 1979 article, illustrates the categories and symbols used. For a fuller explanation see *Name that Succulent* Chapter 4 'How to Taxonomize'.

My own documentation method is to give every new plant an aluminium label hand-stamped with a record number only. (This numbered label constitutes a security system in itself). The number refers to a record card based on the system used at the Royal Botanic Gardens, Kew, and the cards are kept and filed in line with Nigel Taylor's book *The Genus Echinocereus*. The same number is used to record all slides, photographs, plant propagations, etc. In addition a seed record book is kept, showing full

Fig. 1: Gordon Rowley's suggested 'ranking' of plants in cultivation. The 'numerical index' indicates the relative value (botanically speaking) and the 'colour code', in the form of a spot on the label, makes recognition easier.

Received as plants	Raised from seed	Main value	Status symbol	Numerical index	Colour code
<b>Clonotype.</b> Vegetatively propagated from the actual plant designated as type by the publishing author.		Anchor for the name; replacement of TYPE specimen in the event of loss.	A	10	Red
<b>Topotype.</b> Plant collected in the type locality, and clonal propagations from it.	Seed from type locality, or from hand-pollination of Status A/B plants.	REVALUATION of old and confused species for which no type is known.	B	8	Blue
<b>Indigen.</b> Plant of recorded wild provenance (field data or collector's field number).	Seed from specified wild habitat, or from hand-pollination of Status C plants.	Assessment of species VARIATION IN THE WILD.	C	6	Yellow
<b>Cultigen.</b> Plant lacking field data or a collector's number.	Seed from unrecorded source, lacking habitat data, or from open-pollination.	Assessment of species VARIATION IN CULTIVATION.	D	4	Black
Unlabelled plants of any kind.		HORTICULTURAL only.	—	—	—



1-3	4-5 YR	6-9 ACC. N.	10-65 IDENTIFICATION	66 YR	67 STATUS
045	84	002	ECHINOCEREUS-SCHEERI	85	A
68-73 COLL.	74-80 C. No.	FAMILY.	SOURCE		
A. LAU.	84.	CACTACEAE.	Holly Gate via N.P.T.		
OTHER DATA: MEXICO, SONORA, ALAMOS,					
SAN ANTONIO, c.1972, 1250 to 1400 m.					
A-LAU 84-1- CULTIVATED AT HOLLY GATE					
NURSERIES ASHINGTON WEST SUSSEX, U.K.					
AND COLLECTED BY NIGEL P. TAYLOR, KEW GARDENS					
5 <sup>TH</sup> MAY 1984. THE CUTTING FROM MR TAYLOR BEING					
THE 'TOP-CUT' OFF THE NEOTYPE COLLECTION, CITED					
KEW MAGAZINE VOL. 1. PART 4. P. 154. 1984.					
NEOTYPE - PRESERVED AT KEW HERBARIUM IN					
SPIRIT.					
FLOWERS - ORANGE-RED, 11 CMS LONG					

Fig. 2: A typical record card as used in the Echinocereus Reference Collection.

details of seed purchases, sowings and entries of stock numbers given to seedlings that are later placed in the collection.

The main advantage of my 'E.R.C.' numbers is that all records held relate back to the plant on the bench in the greenhouse, and even years later other collectors can write quoting the E.R.C. number for details of the cutting or plant they purchased. I also retain and file all important letters and catalogues with any reference to our seeds or plants.

Today, with personal computers with print-out facilities available, many collectors should be able to use them to record their plant documentation and to have an up-to-date print-out whenever required. As a guide for collectors interested in doing this, Fig. 2 shows one of our record cards. The entries (fields) are explained as follows:

- 1-3. The collection number. In this case the Echinocereus Reference Collection number was 045.
- 4-5. Year the material was first recorded. After the initial documentation of a collection, this would show the year that the material was obtained.
- 6-9. The accession number, starting from number 1.
- 10-65. The genus and species.

\*The record card referred to was originally designed for Kew by David Hunt nearly twenty years ago in the days when computers used 80-column punched-cards, hence the numbers 1-80 in the boxes at the top of the index cards, from which the data was read into the computer by the operator. Things are much more sophisticated now, but index cards remain the most convenient way of compiling and storing information for enthusiasts who are not 'into computers', and the boxes or 'fields' of important data which should be recorded remain the same. (Ed.)

66. The year when the record card was last updated or replaced.

67. Plant status, shown as A, B, C, D or Hort.

68-73. The seed or plant collector.

74-80. The collector's seed or plant number.

Family. In our case Cactaceae.

Source. Name of the field collector, nursery or person who supplied the material.

Other data. This covers all the extra relevant information. For example if the identification was *Echinocereus bristolii*, the full name here might read *Echinocereus bristolii* var. *pseudopectinatus* Lau 607. Then the full habitat data is recorded, and such information as the nursery address or source of seed, seed sowing reference number and year, and so on. You can record any details you wish here, e.g. plant age, the old or invalid name of the material when first obtained, and so on.

On the reverse of the record card I record three extra items:

- (a) Repotting dates, month and year. With a large number of plants, this ensures that all stock plants get repotted within a reasonable time. In the Echinocereus Reference Collection that means every second or third season.
- (b) The flowering details, the date, measurements of the flower, any differences that are unusual, and when any flowers are preserved.
- (c) The names and addresses of other collections or people who have received propagations from the stock plant. If a stock plant fails for any reason, this information provides the possibility

of replacing the plant from material held elsewhere. The old saying is true: "The best way to save a plant is to give some of it away".

Most collections have at least a few important plants, probably within status categories B or C, yet many of their owners rely on a fragile deteriorating plastic label or hold the plant's history and relevant information in the mind. As soon as the owner dies, the plants become status D overnight. Much valuable habitat material was imported into Britain in the early 1970s, and many of these plants are still in cultivation. They ought to be properly documented, because so many of them have become rare plants. Even when such plants are sold to other members or at advertised auctions, the history of the plants is rarely provided. When you consider that we take time to make out a will for our house, car and valuables, why don't we include the few rare and important plants in our collections? This would help conservation.

Perhaps as amateurs you believe that conservation is the province of government departments and top botanists around the world, but really it is the amateur collector who can make conservation work! So many collectors are quick to moan over licence restrictions, or remark how terrible it is that a certain habitat has been lost because of over-collection or land cultivation. But why should a plant be dug up and shipped to other countries, collected from its natural habitat and doomed to death or to be grown for the life-span of one collector and then to become just another plant of unknown origin, pushed aside when a little tatty for the showbench? Conservation is up to you! (Already I can sense the writing pads and pens being taken up.) How many of us keep records, or even ask the nurseryman when purchasing a seedling plant "Where did the seed come from?"

If this article prompts a few collectors to keep better documentation, and supplies of plant record cards are required, I feel sure that they would be made available by one of the larger nurseries. Already in the U.S.A. they are available from Cactus Data Plants of Littlerock, California at \$4.95 a hundred, ready for use in a small loose-leaf binder.

I should like to conclude with a couple of ideas which may provide food for thought for senior officials of the Society.

At Branch level we could make a start to aid conservation and help the future of cacti and succulents. A little time could be given by one or more members, with no great cash outlay involved, to record information on local members' rare and endangered plants—just the important ones of special botanical interest. If, for example, ten collections within the branch each had on average ten plants of high importance, the records of one hundred plant histories would not take too much time to keep updated.

A later extension from this could be that the status A and B plants would be propagated to produce a reserve plant which could be held by another member. If at a later date either plant died, the remaining plant could then be propagated to re-establish the stock of two. This would almost guarantee the continuation of these plants. If any recorded plants were sold to someone outside the Branch, then the written data would also be provided with them. On the death of a Branch member who had recorded material, the few plants could be purchased or distributed to other

members, and the histories would not be lost. With habitats disappearing, this would be an extremely valuable service.

Maybe, in time, the authorities might allow such groups to import valuable field material for their members. It does not take too much foresight to realise that, if records were kept and handed down to the next generation, the authorities might request groups to hold plants that have become threatened in the wild.

If, as a Society, we could offer some system of plant conservation by passing on plants with data, we could argue the right of importation of habitat material to be preserved within our ranks while every year so many wild locations are being lost altogether. Conservation is an urgent matter. Or am I just dreaming of a too, too perfect world?

One shining example of caring for one's plants is Mr Alf Ward of Scarborough, a collector for many years. He has already passed on his much-loved specimen plants in trust to the Echinocereus Reference Collection, with all known data.

Why not show the world that the British collector cares, and make this the year to aid conservation by keeping records for these valuable plants?

#### References

- NEWTON, L. E. (1964) *Recording of plants held for the Institute*. S.P.I. Newsletter No. 4.  
ROWLEY, G. D. (1979) *Status symbols for succulents in cultivation*. Cact. Succ. J. Gt. Brit. 41 (1): 7-9.  
ROWLEY, G. D. (1980) *Name that Succulent*. Pub. Stanley Thornes.  
TAYLOR, N. P. (1985) *The Genus Echinocereus*. Kew Magazine Monograph. Pub. Collingridge.



*Try to keep your records legible  
and orderly...*



## CACTUS & SUCCULENT SOCIETY OF AMERICA

### 22nd Biennial Convention

ARIZONA STATE UNIVERSITY  
Tempe, Arizona  
June 20-27, 1987

The Central Arizona Cactus and Succulent Society, host club for the 1987 Convention, invites you to participate with us in this biennial get-together combining fun, fellowship and the opportunity to learn more about the fascinating plants we all love. The local committee, headed by Fran Tolleson, has been working hard in cooperation with Paul Johnson, C.S.S.A. Convention Chairman, to bring you the best convention ever. Come and experience the informal western hospitality for which Arizona is known.

In preparing the format for this convention, we have responded to your wishes as expressed in the survey taken at the end of the San Diego meeting. We have scheduled programs which will cater to the interests of hobbyist-growers as well as those of us who are more scientific-minded. Our pace will be more leisurely with plenty of free time, more "how to" sessions, only two evening talks and lots of audience participation.

The site of the convention is the 600 acre campus of Arizona State University, founded in 1885 when Arizona was still a territory. ASU is located in Tempe, a city of 140,000, eight miles east of Phoenix. The university is a large and growing institution with ten colleges and a student enrollment of 40,000 for the academic year and 20,000 for the summer session.

#### ROOMS:

Everyone staying on campus will be housed in the same dormitory building, on University Drive. All rooms are air conditioned, and each contains two single beds, a sink and closet space. Each two rooms share an adjoining bathroom. Elevators serve all floors of the dormitory. You will have a choice of either single or double occupancy. You may check in on Saturday, June 20 or earlier if you wish.

#### MEALS:

Most on-campus meals will be taken in a cafeteria dining room located on the ground floor of the dorm. The room and board charge includes all meals except the final banquet on Friday, June 26. Three meals are provided on weekdays; only two meals are served on Saturdays and Sundays - brunch and dinner. As a convenience, on Wednesday and Friday lunch will also be available in the Student Union cafeteria. Those staying off-campus may purchase meals on a cash basis.

#### ACTIVITIES:

Activities on campus will take place in the Arizona Room on the second floor of the Student Memorial Union, several blocks from the dorm. The room consists of three areas:

1. Reception room where breaks will take place and Rainbow Gardens will sell books.
2. Auditorium where the speaker sessions and all meetings will take place.
3. An adjacent plant sales room.

#### SHUTTLE TRAMS:

Shuttle trams will run at convenient times to take you from dorm to Student Union and back. (At cooler times of the day, you may wish to walk.)

#### ATTIRE:

Casual or leisure wear is appropriate for field trips and other daytime activities; more "dressy" informal attire is suggested for evening events and western "duds" for the Friday closing dinner.

#### WEATHER:

Be prepared for hot weather. Average highs are around 100 degrees with lows in the upper 70's. Humidity averages a comfortable 8 to 10%.

#### BUSES:

All buses will be air-conditioned, and those used for long trips will have toilets and cold beverage service.

\* Manzanita Hall

## PROGRAM HIGHLIGHTS

### Saturday, June 20

Check in and registration

### Sunday, June 21

Field trips to Tucson

### Monday, June 22

Morning - Round robins

Afternoon - Speaker sessions

Evening - Opening banquet,  
Ernest van Jaarsveld, South Africa, "Kirstenbosch Gardens"

### Tuesday, June 23

Morning - Visit Desert Botanical Garden

Afternoon - Speaker sessions

Evening - Rare plant auction

### Wednesday, June 24

Morning - Speaker sessions

Afternoon - Speaker sessions

Evening - Slide lecture,  
Darrel C.H. Plowes, Sudan, "Succulents of Namaqualand"

### Thursday, June 25

Morning - Home garden tour

Morning and early afternoon - Visit Boyce

Thompson Southwestern Arboretum

Evening - Delegates meeting

### Friday, June 26

Morning - Speaker sessions

Afternoon - Speaker sessions

Evening - Closing banquet at Pinnacle Peak Patio

### Saturday, June 27

Check out and departure

## 1987 C.S.S.A. CONVENTION SPEAKERS

Michael Corn, Cincinnati, Ohio:

"Building a first class sulcorebutia collection."

Maureen and Ron Flich, Aiea, Hawaii:

"Growing cacti and succulents in Hawaii."

Dr. Arthur Gibson, UCLA:

"Changing generic concepts in cacti."

Steven H. Hammer, Worcester, South Africa:

"Conophytum: gems of Namaqualand."

Dr. Bruce J. Hargreaves, Roma, Lesotho:

"Succulents in the snow." (native succulents of Lesotho.)

Dr. H.E.K. (Heldi) Hartmann, University of Hamburg, West Germany:

"Life forms in mesembryanthemums."

Dr. James Henrickson, UCLA and University of Texas at Austin:

"Flora of the Chihuahuan Desert" and "The genus laquariaceae."

Douglas Justice, Vancouver, B.C., Canada:

"Growing cacti from seed."

Brian Kemble, San Francisco, California:

"History of the Bancroft Estate."

Michael J. Kimberley, Harare, Zimbabwe:

"Zimbabwean succulents in habitat."

Myron Kinnach, Huntington Gardens, San Marino, California:

"The origins of epiphytic cacti."

Dr. Daryl Koutnik, Huntington Gardens, San Marino, California:

"Succulents of South Africa."

Dr. Seymour Linden, Pacific Palisades, California:

"Botanizing in Sonora."

Dr. Larry W. Milch, UC Davis, California:

"History of the saguaro."

Bob Moulla, Phoenix, Arizona:

"Getting a closer look at your cacti."

Peggy Olwell, Albuquerque, New Mexico:

"Conservation - its purpose and benefits."

Dr. Donald Pinkava, ASU, Tempe, Arizona:

"Hybridization of cacti."

Darrel C.H. Plowes, Khartoum, Sudan:

"An introduction to the stapileae" and "Succulents of Namaqualand."

Peg Spaete, Boring, Oregon:

"Various methods of propagating cacti and succulents."

Ed Storms, Azle, Texas:

"The genus lithops."

Bill Taylor, Albuquerque, New Mexico:

"Cultivating the rare and difficult genera of cacti from seed."

John Trager, Huntington Gardens, San Marino, California:

"Classification of cacti."

Ernest van Jaarsveld, Cape Town, South Africa:

"Kirstenbosch," and "The genus gasteria."

## FIELD TRIPS #1: Sunday, June 21 \*

### Option A: Tucson growers - \$20.00

If you wish to add to your collection of plants, travel with us by bus to Tucson to visit two of the better growers in Arizona: Bach's Greenhouse Cactus Nursery and B & B Cactus Farm. Bach boasts one of the most extensive seed propagation operations in the Southwest and has recently embarked on a program of tubercle grafting. B & B has over 600 varieties of cacti and other succulents for sale. Both growers will permit you to inspect their growing areas and observe their propagation methods. Box lunch at Randolph Park, Tucson's largest city park, with members of the local society. Return to ASU by a different route, passing Casa Grande National Monument.

### Option B: Arizona Sonora Desert Museum - \$26.00

We transport you south through the vastness of the beautiful desert countryside interspersed by lush orchards and farmland to the Arizona Sonora Desert Museum on the outskirts of Tucson. Extensively upgraded in recent years, this "living museum" combines the attractions of zoo, aquarium, botanical garden, aviary and earth sciences center to explore and interpret life in the Sonoran Desert. You will be fascinated by the more than 200 species of live animals housed in naturalistic settings and the 300 species of native plants which grow on the grounds. Also part of this trip is a visit to the Saguaro National Monument, one of the most dense forests still existing of these ancient giants of the desert. A box lunch and cold drinks will be provided.

## FIELD TRIP #2: Tuesday, June 23

### No charge

Spend the morning at the Desert Botanical Garden, which is observing the 50th anniversary of its founding this year. Located on 140 acres in the midst of the rock hills of Papago Park, this world-renowned garden contains one of the most comprehensive collections of arid land plants assembled anywhere, all growing in natural settings. You will be given a behind-the-scenes preview of the Garden's new "ethnobotanical trail" which is now under construction. Upon completion in late 1987, this trail will use live demonstrations to explore the relationships between native desert peoples and the indigenous cacti, succulents and other plants which they utilized for food and shelter. Breakfast and lunch at ASU.

## FIELD TRIPS #3, Thursday, June 25

### Option C: Boyce Thompson Southwestern Arboretum - no charge.

Travel east 60 miles on air-conditioned buses climbing to the 2,400 foot elevation of the arboretum founded in 1927 by copper mining magnate, William Boyce Thompson. Here at the base of the 4,400 foot high Picket Post Mountain lies a well-established 35 acre garden displaying desert flora and exotic plants and mature trees from arid lands throughout the

world. A guided walk along the natural trails bordering Queen Creek and picturesque Ayer Lake is on the program, as well as a slide lecture and visits to the two glasshouses and the rarely-opened growing areas. We will have a leisurely lunch outdoors in the shaded picnic area. A gift shop sells unusual plants and hard-to-find books.

### Option D: Home garden visits - no charge

Sign up for this morning visit to several home gardens where local hobbyists will show you their yards and lathhouses and tell you how they cope with the climate extremes of central Arizona. On the way, you will see many examples of desert landscaping, some of it good, some not so good, in the residential and commercial areas you pass.

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## BANQUET #1: Monday, June 22

### Student Memorial Union

Opening banquet speaker, Ernest van Jaarsveld, will give an illustrated talk on the Kirstenbosch National Botanic Gardens near Cape Town, South Africa.

## BANQUET #2: Friday, June 26

### Pinnacle Peak Patio - \$30.00 each

No visit to Arizona would be complete without an authentic western dinner, so we take you off-campus to Pinnacle Peak Patio. Here you will dine under the stars on mesquite-broiled steaks plus all the trimmings, within sight of towering saguaros and ocotillos with the lights of Scottsdale and Phoenix twinkling in the distance. A western trio will provide country music for your dancing and listening pleasure. A cash bar will be open. So don your jeans and cowboy boots and be prepared to have a "foot-tapping" good time.

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## PLANTS AND BOOKS

Plant and book sales will be conveniently located adjacent to the lecture hall in the Student Union. Nurseries from California, New Mexico and Arizona will be selling succulent plants. Rainbow Gardens will have a wide selection of books for sale.

\* If you plan to go on one of Sunday field time, it will be necessary to check in on Saturday. Buses will depart ASU at 7:00 A.M.

**PLEASE READ PREVIOUS  
THREE PAGES BEFORE  
COMPLETING THIS FORM.**

**REGISTRATION FORM  
1987 Convention - June 20-26**

Print your name and society or city as you want them on your badges. Maximum of three lines, 15 characters per line

Name: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Spouse: \_\_\_\_\_  
 Home Address: \_\_\_\_\_  
 \_\_\_\_\_  
 Phone ( ) \_\_\_\_\_

Registration	How Many?	Total
*Registration for C.S.S.A. Members	_____ at \$75.00	_____
Registration for non-members	_____ at \$100.00	_____
Late registration (for all after May 1)	_____ at \$125.00	_____
Daily registration for those not staying on campus (\$20/day/person)	_____ for _____ days	_____

**Field Trips**

1. Sunday, June 21, trips to Tucson (select one)		
A. Nursery growers to buy plants	_____ at \$20.00	_____
B. Arizona-Sonora Desert Museum	_____ at \$26.00	_____
2. Tuesday, June 23, visit Desert Botanical Garden	_____ included in fee	_____
3. Thursday, June 25 (select one)		
C. Boyce Thompson Southwestern Arboretum	_____ included in fee	_____
D. Home garden visits	_____ included in fee	_____

**Banquets**

1. Monday, June 22, opening banquet at ASU		
Dorm residents	_____ included in fee	_____
All others	_____ at \$15.00	_____
2. Friday, June 26, farewell banquet at Pinnacle Peak Patio (price includes transportation & steak dinner)	_____ at \$30.00	_____

**GRAND TOTAL \$ \_\_\_\_\_**

Smoking?  Non-Smoking?   
 Do you need special assistance? \_\_\_\_\_  
 (please describe)

Send form and check to: C.S.S.A. Convention, Michael Gallagher, Registrar, 13621 North 15th Drive, Phoenix, Arizona 85023 cut here

\* To be eligible for the \$75.00 registration fee, you must be a C.S.S.A. active, associate or life member or C.S.S.A. fellow. All others must pay the \$100.00 registration fee. You may become an active member by subscribing to the *Cactus & Succulent Journal*, \$20.00 annually, and paying the \$8.00 C.S.S.A. membership dues (plus an additional \$1.00 for associate members). Send membership dues to Dorothy Williams, 6240 Wildomar Way, Carmichael, California 95008

If you wish to stay off-campus, these two motels are located nearby:

Howard Johnson's Motor Lodge 225 East Apache Boulevard Tempe, Arizona 85281 (602) 967-9431	Tempe Holiday Inn 915 East Apache Boulevard Tempe, Arizona 85281 (602) 966-3451	Daily rates are \$42 to \$45 for either single or double. Make reservations directly with motel.
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cut here

**Room & Board at Arizona State University - Reservation Form**

Single occupancy at \$47.00/day \_\_\_\_\_ days \$ \_\_\_\_\_

Double occupancy at \$40/day/person \_\_\_\_\_ persons \_\_\_\_\_

Arriving June \_\_\_\_\_ Departing June \_\_\_\_\_ X \_\_\_\_\_ days

**TOTAL \$ \_\_\_\_\_**

Signature \_\_\_\_\_  
 Send form and check to: University Conference Bureau, Arizona State University, Tempe, Arizona 85287.  
 Telephone: (602) 965-5157, Telex: 66-7391

For more information, contact: CSSA Director, 6641 North 4th Ave, Phoenix, Arizona 85021.  
 Send Registration Form for Convention (top portion) to: Michael Gallagher, Registrar, 13621 North 15th Drive, Phoenix, Arizona 85023.  
 Send Room & Board Form to: University Conference Bureau, Arizona State U., Tempe, Arizona 85287  
 To join CSSA, contact: Dorothy Williams, 6240 Wildomar Way, Carmichael, CA 95008.

CALENDAR CALENDAR CALENDAR CALENDAR CALENDAR CALENDAR

- March 7, Sat. UCI Arboretum Spring Open House featuring blooming S. African bulbs and blooming Aloes. 10 - 2 PM, Corner of Jamboree on Campus Drive, Irvine. Modest Plant Sale. Free admission, but they'd like you to become a "friend."
- March 8, Sunday, 1:30 PM, OUR REGULAR MEETING: Shows, Showing, & Judging; Woody & Tandra Minnich. Show Flyer Contest.
- April 25 & 26, Sat. & Sun., Zoo Plant Sale at the LA Zoo. All kinds of plants, including succulents, for sale.
- May 2 & 3, Sat. & Sun, Sunset Succulent Society Show & Sale (S.S.S.S.&S.?) Veteran's Hall, in Culver City.
- May 3, Sun., Baldwin Bonanza at the LA Arboretum on Baldwin in Arcadia.
- May 16 & 17, Sat. & Sun. Orange County C & S Soc, Show & Sale, Yorba Linda Library, Yorba Linda.
- May 17, Sat. Huntington Invitational Plant Sale (contact the Huntington, 818-405-2100, 1151 Oxford Rd., San Marino, CA 91108).
- May 16 & 17, Sat. & Sun. Fiesta de Flores at S. Coast Botanic Gardens.
- June 6 & 7, Sat. & Sun. San Diego C & S Soc. Show & Sale, Majorca Room, #101, Casa Del Prado, Balboa Park, San Diego.
- June 13 & 14, OUR S. COAST C & S SOC. SHOW AND SALE. Setup Friday. More info. to come. See also your Roster.
- June 20 - 26, CSSA CONVENTION IN TEMPE (near Phoenix) ARIZONA. See special insert in this newsletter.
- Aug. 22 & 23, The Long Beach Cactus Club Show & Sale, with the LA Club and the San Gabriel Society, at the LA Arboretum, 9 - 4:30.

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LIKE IT OR NOT,



JA

THE JUDGES' DECISION IS ALWAYS FINAL.

"But Susan, just which of the judges' decisions do you find yourself unable to accept?"



SOUTH COAST CACTUS & SUCCULENT SOCIETY  
NEWSLETTER  
10860 El Mar Avenue  
Fountain Valley, CA 92708



FIRST CLASS  
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FIRST CLASS

Norma Holley  
2971 Toledo Street #220  
Torrance, CA 90503-7340



SHOWS, SHOWING, & JUDGING;  
the why's, the what's, the how-to's:  
Come, Learn, and Enjoy.