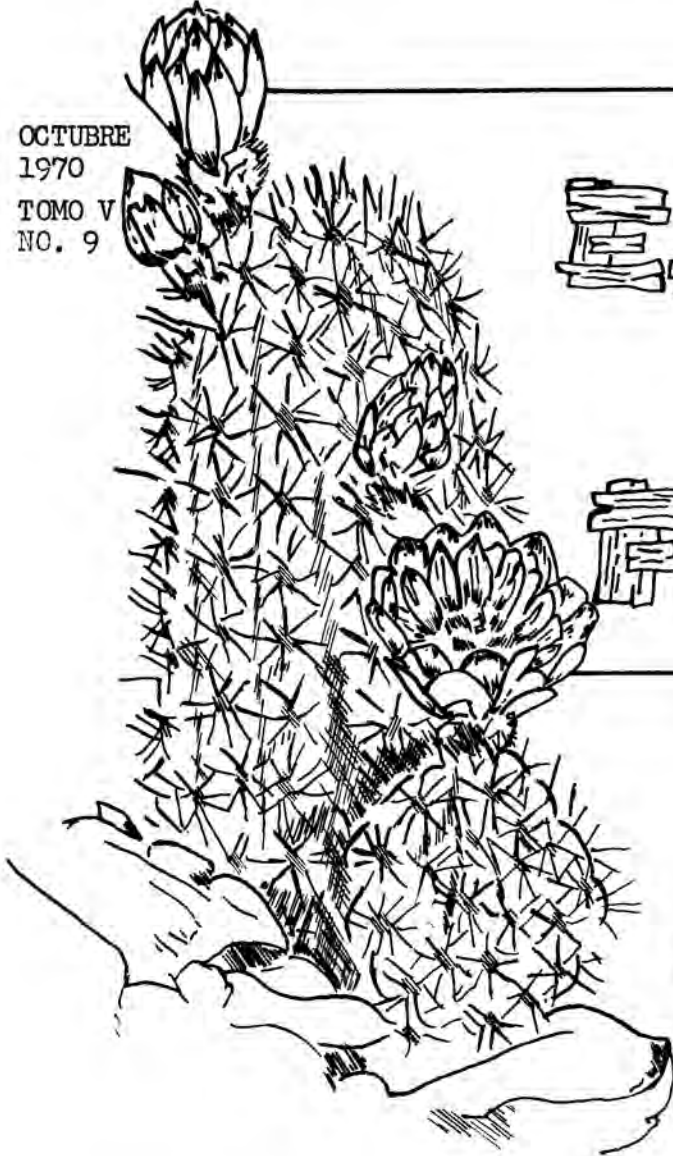


OCTUBRE  
1970  
TOMO V  
NO. 9



# ESPAÑOLAS Y ARTÍCULOS

SAN DIEGO CACTUS AND SUCCULENT SOCIETY

SONORA - JORNADA de FELICIDAD

(By Michael Buckner)

"El hombre que pasea es el hombre que esta feliz". Yes, the travelling man is indeed the happy man, especially when he is a cactophile travelling in Mexico. Numerous field collecting trips into the Vizcaino region of Baja California have made me very happy this last year and have added a wealth of knowledge and experience to my "one score and three" as well as specimen plants to my garden.

During the spring and summer I had looked forward to a trip to the mainland of Mexico but had to forego my plans for different reasons. It looked like the Sonoran Desert was going to be even more distant than mileage on the map. I had all but given up the trip on Tuesday night, July 15th at 10 p.m. and was sitting at home reading "The Vegetation and Flora of the Sonoran Desert" by Shreve and Wiggins when Dr. Leroy Phelps called.

A mad rush and two hours later, Dr. Phelps and I were headed east on Interstate 87 in his squareback VW sedan. We drove until 3 a.m., 227 miles that night, so we might cross into Mexico in the morning. On the highway again at 5 a.m. and approaching Mexico from Arizona State Highway 85, we passed through the open pit copper mining town of Ajo. In Spanish "Ajo" means garlic. We entered Organ Pipe Cactus National Monument where we had our first view of much more that was to come, the Organ Pipe Cactus, Lemaireocereus Thurberi and "Senita" Lophocereus Schottii. It is said there are fewer than 50 senitas growing naturally in the United States and all of them are in the Monument. We acquired our car permit and entered Mexico at Sonoyta. We had valid tourist permits and were not delayed. We drove into the "tierra del Sol" (land of the Sun).

Our first collecting stop was 5 miles south of Sonoyta in a "bajada" with mesquite, palo verde and ironwood trees. We found stands of Lemaireocereus Thurberi and Carnegiea Gigantea along with clumps of Mammillaria microcarpa. Turn to page 2

SONORA - JORNADA  
de FELICIDAD  
Continued:

We collected a few small plants of each and also Ferocactus covillei which has a hooked central spine in this area. As one progresses south to Guaymas the natural specimens of G. covillei have all straight spines. The beautifully golden-spined Echinocereus engelmannii var. nicholii was prevalent in this area and we added a few of these to our collection. We were rewarded here with the first of many unexpected finds, Neolloydia erectocentra var. acunensis and we collected an unidentified small tree-like succulent which grew in igneous rocks alongside the road.

We knew that we were entering an area of maritime tropical weather and that the summertime was hot and humid. Interestingly enough, local air masses are the same ones that move up from the tropics to bring thunderstorms to our own southwest deserts.

Fifteen miles north of Hermosillo we drove into the rain and by the time we reached Hermosillo it was as though we had rendezvoused with a "Chubasco", a turbulent tropical storm which may strike during the July-to-October rainy season. Hermosillo is the capital city of Sonora and its extensive gardens and beautiful parks are usually the first hint of the tropics south of Sonora.

The rain quickly subsided and we decided to stop for the night and to prepare dinner before the last light faded. We stopped six miles south of Hermosillo at a Federal Inspection Station. It was closed for the night. Lee prepared an excellent dinner and we spent some time rearranging our gear and cleaning the plants we had collected. It was a turbulent night but we both were very tired and slept through most of the storm. The rain disappeared by morning. We looked around for a time and decided to collect a few bulbils from a vase-shaped agave in a carefully tended federales garden.

Driving south on the open highway we passed through the first check station 16 miles south of Sonoita and then through the junction town of Santa Ana. Familiar sites the visitor sees as he drives in Mexico are roadside shrines, isolated farmhouses, microwave towers and kilometer markers that decrease numerically as one drives south to Kilometer 0 - Mexico City.

Lee and I snacked on cheese, tresequis cerveza and beef jerky while we travelled to save time. Fifty miles north of Hermosillo we began to see Rathbunia alamosensis. We stopped at one nice stand where we collected cuttings with aerial roots for easy rooting at home. We also collected Bursera species and noted the first of the succulent Ocotillos - Fouquieria Macdougalii. We could find no small plants in the area to collect.

---Continued next month.

ZOOZOOZ  
- - -  
SANSEVIERA  
In the March 1970 issue of Zoozooz (San Diego Zoo) on pages 10 and 11 are two pictures of what is evidently a Sansevieria, and in relation to the pictures some interesting facts are brought out. These plants are very numerous in the Olduvai Gorge in Tanzania, Africa. In fact, the Masai tribe call this plant "olduvai", and the name has been attached to the gorge. Part of a caption reads: "During the dry season, numerous rhinos concentrate in the Olduvai gorge because of the abundance of this succulent plant. It is not only the main source of food, but furnishes water as well."

The leaves are stout and half-round, long, and have a strong groove running down the center. Could be a Sansevieria darenbergii or related to it. --George Kalmbacher

NEW ADDITIONS TO OUR LIBRARY:

Gifts of Helen McCabe: VOLUME 1 (bound) CACTUS & SUCCULENT JOURNAL; THE CACTUS BOOK by A. D. Houghton; and CACTUS CULTURE by William Watson, A.L.S.  
Others: SILENT SPRING by Rachael Carson and SINCE SILENT SPRING by Frank Graham, Jr.

—OCTOBER SPECIAL ACTIVITY—

PROF. WERNER RAUH,  
UNIVERSITY OF HEIDELBERG  
-----is coming!!

Subject: "B C S"

B-----BROMELIADS

C-----CACTI

S-----SUCCULENTS

-----  
at SIR GEORGE'S SMORGASBOARD  
6942 University Ave., LaMesa  
5 p.m. OCTOBER 22 (Thursday)

TED TAYLOR'S August '70 issue of the AFFILIATE REPORTER carried an article announcing the coming of Prof. Werner Rauh of Heidelberg University in Germany. A short time later at a CSSA Committee meeting at the home of the Bleck's in Los Angeles, our Club was offered the opportunity to host Dr. Rauh on one of the dates when he was going to be in Southern California. We jumped at the opportunity and lost no time reserving a date at Sir George's Smorgasboard where it was our privilege to meet with Brian Lamb of England last May. Sir George's is at 6942 University in La Mesa just outside the San Diego City limits, and the time is 5 o'clock. The date is OCTOBER 22nd, on a Thursday....circle the date on your calendar.

When information of Prof. Rauh's coming became known to us, we contacted the San Diego Bromeliad Society and the newly formed San Diego Epiphyllum Society and asked them to join with us in arrangements for the occasion and in greeting Prof. Rauh. Both were delighted with the news and both have indicated that their members will be notified and that we may expect to see many of them in the audience. "Bill" Knerr is president of the Bromeliad Society and Dr. Troxel heads up the newly formed Ep group.

Notices will be sent to the Evening Tribune and the San Diego Union with information about Dr. Rauh's presence in San Diego. Other garden clubs in the area and many individuals will receive notices. All interested persons are invited to meet with us. We already have reservations from out of town. A form appears at the bottom of this page for your convenience in making a reservation. We ask that you notify us so that Sir George's can set up for the anticipated guests. There is no charge to our Club for the private dining room. It is only fair that everyone who attends plans to have dinner at Sir George's. You'll find a choice of food to your liking with no limits. If you would like to come a few minutes early, you may. Seating is in the order of arrival time at the food line, an exception is made for the speaker's table.

Prof. Werner Rauh is the author of books on cacti and succulents, written in German, and the writer of numerous articles on Bromeliads. He is now regarded as the top authority on Bromeliads. Our Club and others in this area are fortunate in having this calibre of visitor as our guest and speaker and we are looking forward to meeting with him. (Sprechen sie Dautch): WILLKOME ZU SAN DIEGO, PROF WERNER RAUH!

SCHOENE KAKTEEN UND ANDERE SUKKULENTEN (\$4.15)

GROSSARTIGE WELT DER SUKKULENTEN (\$25.75)

BEITRAF ZUR KENNNTNIS DER PERUVANISCHEN KAKTEENVEGETATION (\$31.00)

Following Prof. Rauh's visit to San Diego, he will meet with the Bromeliad people in Los Angeles on the 23rd and on Saturday the 24th he will be guest speaker at the CSSA Quarterly Meeting at the Arboretum in Arcadia in the afternoon at 3 p.m. and again in the evening at 7 p.m. All interested persons are invited to attend.

Walter R. Scott

(Reservation form--detach on dashed line and mail)

3430 Wilshire Ter., San Diego, Ca. 92104 (Phone 296-6022)

Please make \_\_\_\_ reservation (s) for me at Sir George's on October 22nd at 5 p.m. for Prof. Werner Rauh's program.

Name

Address

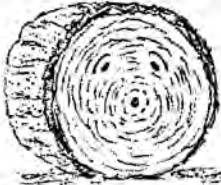
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CLUB PROJECT

1971

"THE YEAR OF THE WOOD"

I've waited 1971 years for this..



What am I? I wooden know.

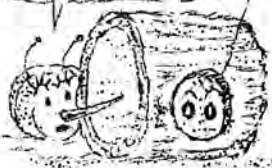


Well I'll be bamboozled.



What do you mean.. 'HOLLOW'?

Anyone in this hollow log?



How far is it to the Floral Bldg.?



DRIFTWOOD

SOME SUGGESTIONS FOR CONSIDERATION

- 1. BAMBOO
- 2. BRANCHES OF TREES
- 3. BLOCK HEADS
- 4. BURLS
- 5. DRIFTWOOD

- 6. FLOWER PODS
- 7. HOLLOW LOGS
- 8. KEGS
- 9. KNOT HOLES
- 10. NUT SHELLS
- 11. PALM FIBERS
- 12. PALM FRONDS

- 13. PALM SEED PODS
- 14. PETRIFIED WOOD
- 15. PLASTIC WOOD MIX
- 16. REDWOOD BARK
- 17. SAWDUST MIX
- 18. SAGUARO WOOD
- 19. WOOD, Carved

- 20. WOOD SCRAPS
- 21. WOODEN SHOES
- 22. WOODEN LEGS
- 23. TREE FORKS
- 24. STORK NEST ??
- "X" UNLISTED

OUR CLUB PROJECT in 1970 was a FEATHERSTONE PLANTER CONTEST. 1971 is "The Year of the Wood", more specifically, wooden planters. The project could be even more constructive, interesting and practical than 1970 because of the wide variety of materials from which to pick, enthusiasm generated in 1970, a background of experience and new skills.

Featherstone planters brought forth a lot of "wierd" (oops) fantastic and imaginative yet practical creations. (You're welcome, Ruth.) It was new, it was different, yet it was a completely successful contest.

Featherstone planters have become standard equipment in a number of gardens. Interest extended into other jurisdictions. The stone appeared in exhibits at California Expo and other exhibits. Results will be around for many years to come, if for no other reason, the plants approved heartily and they showed it by growing vigorously. They accepted their new settings very naturally. Many of them will live out their life spans in contentment with "rocks on their feet".

RULES FOR "THE YEAR OF THE WOOD" are simple and minimal.

- 1) No commercially made wooden products such as planters, baskets, boxes or buckets may be entered in competition;
- 2) All planters in contention must contain live, growing, rooted plants. No arrangements.

You may start immediately. The contest ends with the May 1971 meeting. Bring all your efforts, enter as many as you like. Maybe the Board of Directors will vote \$ awards again. The subject will be brought up at a meeting when the Treasurer is in a good frame of mind.

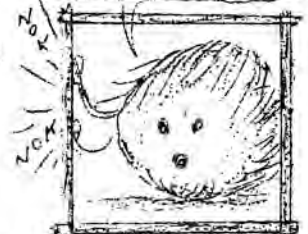
Let your imagination run rampant and your enthusiasm be boundless (if such are possible). Our objective is SOUTHERN CALIFORNIA EXPO, 1971, and any other competition that shows its head. Open houses are a "natural".

Your participation is eagerly sought-- you are hereby CHALLENGED!

It was great while it lasted but I gotta be going.



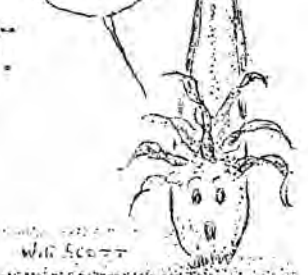
Would you let a coconut enter?



I'd enjoy suds more than a string of peas.



Would someone make room for a xerophyte in a palm flower pod?



ANOTHER SPECIAL ADDED ATTRACTION !!!!!

Please be aware, all ye subscribers to CALIFORNIA GARDEN, that FLORAL ASSOCIATION has, on the 20th of October, at 7:30 pm in the Floral Building, asked this enthusiastic Society of succulent collectors to host their regular meeting.

Featured will be Mr. Hardin of Hardin's Cactus Nursery. Mr. Hardin, you will remember, entered the Fair with handsome specimens in all three categories of Cacti, Succulents and Grafts -- and, as a matter of fact, was one of the founders of our Society ten years ago.

As hosts of this meeting we are welcome. In addition, we will provide refreshments. Julianne Rice is Chairman of our part of this affair and would very much appreciate being called with offers of goodies. Hazel Scott, Perlso Lewis and Nibby Klinefelter will be assisting.

Floral Association's meetings in the evenings are informal with coffee and whatever being served on arrival at 7:30. The meeting proper gets underway at 8:00.

That's Tuesday - October 20th

(As a matter of information, subscriptions to California Garden are available through the secretary for \$3.00. This slim magazine is fat with gardening interests of a local nature and all-inclusive -- as well as what clubs exist, where, who to contact and when they meet. You are invited to join Floral Association which publishes California Garden and includes a subscription with their membership for \$5 single and \$5.50 family. Watch for special Christmas issue bargain -- and start making your list of 20 to be sent postpaid with gift card!

\*\*\*\*\*

As far as SUCCULENT-of-the-MONTH is concerned, someone fell down on the job... If you have a lovely senecio blooming charming little orange shaving-brush flowers, with leaves that flap against each other as it sprawls on the ground, very low-growing, bring it! If I knew the name of it we would be all set! It looks like a crassula when it isn't in flower but five source books didn't give me a clue, only the blossom. So let's fly blind -- and give more time to Open class that way. Okay?

Nibby

SAN DIEGO EPIPHYLLUM SOCIETY: An Epiphyllum Society (Orchid Cacti) has been recently formed in San Diego under the sponsorship of Dr. J. W. Troxell. He will be at one of our future meetings to talk about these interesting and unusual plants.

THE WINNERS  
-September-

CACTUS: ARIOCARPUS (open) - - - H. W. Buckner  
SUCCULENT: SEDUM SPECTABILE, Variegated - - - Ruth Richardson  
OPEN: KLEINIA PENDULA (Inch worm) - - - Hazel Scott

YOU MAY LOOK! In San Diego County all cacti are protected by Ordinance 341 and even on private property they can be collected only with written permission of the owner. Plants are protected by law in all National Forests and on State and County Highway rights of way. In State Parks it is dangerous even to think of removing one. Most of S. D. County desert is in the Anza-Borego Desert State Park--and what a help that is. Conservation practices are essential for the protection of natural vegetation. Laws must be respected.

TO TELL THE TRUTH

WILL THE R-E-A-L

Charles Glass, Editor,  
CACTUS & SUCCULENT JOURNAL

S-T-A-N-D U-P

CHANNEL 6---7 p.-m.

Sorry! Date unknown, you'll  
have to watch for it.

YOUR TV TUBE may never be the same again, it's due for TWO supreme tests: 1) CHARLES GLASS, and 2) SPECIMENS WITH SPINES. Best that you renew your acquaintance with your TV repair man and have his phone number handy. Your set may be in for a hilarious experience. Or better, that's how the occasion should react with you.

WHY? If you watch TV, OK. If you don't you can make an exception. This just could be a big improvement on what comes over the squak tube these days. It should be of consuming interest as well as funny—and entertaining.

Espinas y Flores will give you a tip, as though you needed one. Charles will be ONE OF THREE contestants, the ONE who will stand up later in the program. But that isn't the big tipoff. They are: 1) Charles is the one with a reddish mustache and a modest beard to match, this tip only if you're watching color, and 2) If he isn't fully enjoying the whole program, laughing all the while (not a muted laugh) that's NOT OUR CHARLIE.

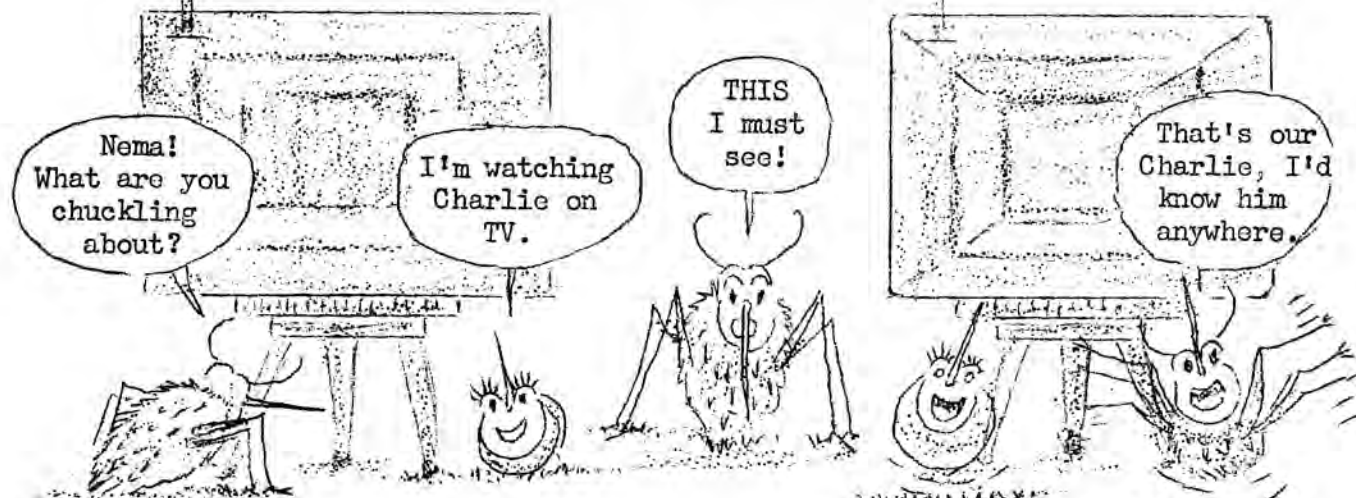
And one other thing, don't get too close to your tube. There'll be spiny specimens in the studio and if the phosphors in the tube react, your tube will "implode". You wouldn't want to be drawn into a TV tube would you? Especially where there are spines AND glochids flying. Don't worry about the tube, a lot of places are eager to make replacements.

You seldom if ever see real live glochids in action. Maybe you'll see them for the first time. They should loom up under strong studio lights and cause a lot of action on the program. Ordinarily they're real sneaky--you don't know you've made contact until its too late, or until you have an "itch" which you can't eradicate with a scratch.

We're really sorry we can't be specific about the date on Channel 6. The program has been taped and it's down in the tube somewhere waiting for the right moment and the press of a button.

This show should furnish more real, genuine entertainment than 99.9% of what you see on TV these days. Espinas y Flores gives it a very high rating, if only on the basis of knowledge of the participant and his cactivities.

(Our appreciation and thanks to Murray Skinner for this TV tip.)



CACTUS & SUCCULENT  
SOCIETY OF AMERICA

Report on 1970  
--ANNUAL MEETING--

By: Wilson Wells

THE ANNUAL MEETING of the Cactus and Succulent Society of America was held in the downstairs meeting hall at the Arboretum in Arcadia on August 15th, 1970. Several members from San Diego attended, enjoyed the meeting and came away with many new and good ideas. The meeting began with a plant drawing conducted by Bob Foster but the numbers on our tickets didn't jibe with those on the plants.

Bob Foster, Associate Editor of the Journal, first up on the program gave out with sage advice about how plants "act and think". He said they become confused when taken from their natural habitats. They must make an adjustment to a new way of life, seasons and soil --not to mention all of the idiosyncracies of people. They produce surprises on occasions, for example, suddenly coming into bloom or leafing out when neither is expected. But in time they do settle down into their own natural routines. One must let a plant make up its own mind about what it wants to do and when. He suggested one good basic rule was to keep them in shade until they become established.

Elmer Lorenz of Eagle Rock, an experienced and very skilful master of rhipsalis described and displayed a number of self-adjusted, thriving specimens which he had taught "Eagle Rock" growth techniques. He attributes his success to duplicating native habitat conditions as much as possible. He truly has achieved success in his lath houses...or is it that he has "conned" his Rhips to switching over to his ideas with that smooth "Lorenz touch". He told of attaching one species to a tree branch with glue (aeroplane type) which was just exactly what the Rhip liked, and it lived a long, productive and happy life. One listener said he had gleaned a completely new idea from the talk, glue might be just the thing to "stick" teenagers to the establishment--not to sniff.

Elmer pots his Rhips in small size, open pattern, plastic baskets, the idea being to afford aeration for the roots and good drainage. One couldn't argue with his method after looking at results. He also said Rhips were THE ONE member of the cactaceae family which was the exception to the rule that all cacti originated in the western hemisphere. They are found in habitat across the Atlantic in Africa, and no one has a theory which he can support with facts to explain how they got over there--if that is what they did. Elmer's humor is both original and catching. He said his friends have hobbies such as golf and tennis at which they "play", but he finds he must "work" at his garden hobby.

Ed and Betty Gay alternated at describing in words and with pictures their trips to the "Four corners" area. They have been on numerous collecting trips to the region, the last being in May this year on which occasion they guided a group of 28 from across the U. S. We surmise they have a "person-to-plant" relationship with all species and specimens up there. They said there were just TWO problems in collecting, one of which they had surmounted: 1) Finding specimens, and the other they didn't have a solution for: 2) Losing collectors.

After lunch Abbey Garden conducted an auction of unusual and specimen plants. It seemed that as Bob Foster described the plants, he wasn't too happy to part with them, they were old friends--and it wasn't an "act". Bids escalated rapidly and a number of fine plants found new owners and the Society was a winner too.

Harry Johnson of Fallbrook took the group on an African Safari with slides, which was doubly interesting because African fauna appeared on the screen about on an even basis with flora. The area he covered extended from Cape Town to Ethiopia.

The regular business meeting was a bit handicapped following such a program but there was one highlight from the San Diego point--our Dr. Leroy Phelps was a nominee (one of six) for the Board of Directors--three years.

Dr. Leroy Phelps (X)

SUPER CACTUS CAR--A-VAN

GAYS' MORPHOLOGICAL GARDEN  
ABBEY GARDEN (Charlie & Bob)  
ARNOLD'S FARMHOUSE  
--and home again in daylight  
(By Walter E. Greenwood)

OUR CLUB TOOK another of those well-organized and most interesting CACTUS CAR--A-VANS for which our Club is very proud, on Saturday, Sept. 19th. Stopping points were: the GAYS' MORPHOLOGICAL GARDEN in Tarzana, ABBEY GARDEN in Reseda and ARNOLD'S FARMHOUSE in Buena Park.

The southern Car-A-Van-ers, unbelievably, had to put their eyes back in their sockets and make substantial visual adjustments in order to reboard the bus at Tarzana. They had just witnessed the impossible accomplished with ease and finesse by two most gracious people--Ed and Betty Gay. A short time later, about the time visual perception was about back to normal, the "southerners" were exposed once again to "visual trauma". Still later in the day everyone was able to distinguish between salads at Arnold's.

To back track a moment, the tour was by California Bus Tours with the comforts of home--running water, rest room and a loud speaker. Even though the low clouds had moved in and it was "drippy" about the time we loaded, everyone was on time and we got away a bit ahead of schedule. Maybe that was because seats were paid for in advance and seats were on priority. We went north on I-5, stopped in Encinitas on Birmingham Drive where Rose D'ATTILIO, one of our members with "ESP" went over to the Pancake House and gave our three Escondido members a choice between pancakes, boarding the bus pronto--or else.

Upon rolling again a copy of the CACTUS AND SUCCULENT JOURNAL with a very definitive article on OUR MORPHOLOGICAL GARDEN was circulated for everyone to read as informative literature, as were copies of the ABBEY GARDEN CATALOG, except this publication had a "mouth-watering" reaction. As we rolled along a number of members told a few amusing stories. And THEN you wouldn't believe this, but our Doc CORLISS came up with a "paean" he had written just for the occasion--three verses to "Cactus and Succulents" but not to the "cactus tune" of How Dry I Am, but to the tune of "Keep The Home Fires Burning". It was an instant success, Doc as our maestro had two dry runs on the bus and an impartial person would have said the bus was loaded with 19 Nelson Eddys and 19 Jeanette MacDonaldis AND Doc Phil Corliss. When the baton lifted at the Gays the neighbors were astounded..and maybe some spines on specimens in the front yard are still quivering.

The Gays were wonderful hosts, they asked everyone to register in a guest book and while the bus was warming up to leave the names were called out and each guest was privileged to select a plant from a table of plants in the driveway, all named AND potted. Wouldn't you know, Tony's name was called last, but his smile was biggest. What was it we didn't see, Tony? Someone said they thought Tony intentionally delayed to prepare a short speech to the Gays for coffee, lemonade and cookies, and he was under such pressure in the short time he developed a speech impediment--a cookie.

As our bus driver drove away all eyes were gazing out of the back of the bus. Not long after he announced "Abbey Garden", where in the shade of the parkway, our Maestro Phil Corliss again swung his baton and three people--Charlie Glass, Bob Foster and Charle's Mother, Mrs. Glass couldn't believe their ears. It wasn't rock, nor western, nor opera, nor folk. Charlie came up with the answer, he said it's the San Diego Cactus and Choral Society. Charlie, your humor surely is to the point.

We roamed the gardens, bought some plants--the best cared-for we had ever seen--and ogled a lot more which were new, in short supply or for purposes of seed and propagation, and drifted occasionally over to a table with a very unusual product--"Glass grape punch" a strictly "local product", strolled into the Journal Offices, and wound up a very successful and enjoyable Car-A-Van. We stopped on the way home at the Farmhouse, listened to stories and enjoyed a "book review" on Peruvian history by Doc Corliss. Home again in daylight--overall a very fine experience.



PAEAN\* TO CACTI AND SUCCULENTS

By CactoPhil Corliss

Sing to the tune of:

KEEP THE HOME FIRES BURNING.

Suc-cu-lents and cac-tus  
Are the plants that please us  
With their forms and blooms so fine  
They're just di-vine!

Ea-sy is their cul-ture;  
Crow-ing them is pleas-ure,  
And we reap a great re-ward  
From all their horde.

If it's true you're seek-ing  
Bloom that keeps re-peat-ing  
Cac-tus is the plant to grow  
We all do know.

Un-like oth-er flow-ers  
Grown in man-y bow-ers  
We can look for bloom all year  
With-out a fear.

Some have flow-ers so love-ly  
In col-ors bright and come-ly  
With their buds and pods of seed  
They're nice in-deed

The spe-cies are so man-y  
'Tis doubt-ful there are an-y  
Oth-er plants of which to find  
So vast a kind.

OWL TOGETHER!

ONE...

and TWO...

and THREE...



W. R. SCOTT

ESPINAS Y FLORES  
CACTI-CHORAL GROUP

CHEER: CAC-TUS, RAH!

SUC-CU-LENTS, RAH!

RAH--RAH--RAH!



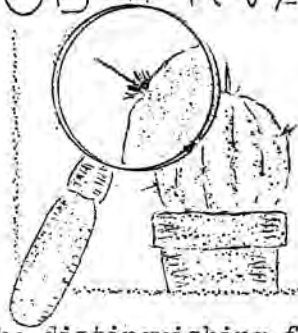
TRICHO CHEERIO



HOODIA HOWLINGAS

\*Paeon: A choral ode, essentially a song of joy or exultation.

# OBSERVATIONS OF CACTO PHIL CORLISS



ODDS & ENDS 1) I AM INTRIGUED by the fact that seedlings of some varieties include some plants that pup or branch profusely even when small, whereas others in the same batch remain solitary. Genera that come to mind are seticereus, haageocereus and the copiapoa-neoporteria group.

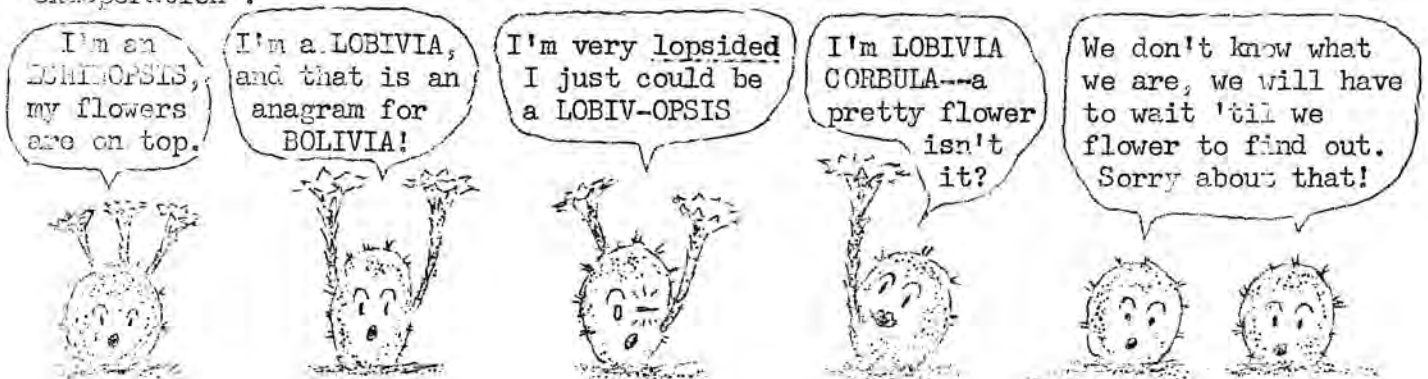
2) Speaking of copiapoa and neoporteria, I wonder why Donald and Rowley do not put copiapoa into the neoporteria group? Paul Hutchison says the distinguishing features of copiapoa is the way the seed capsules dehisce. There has been a great deal of confusion, however, and many plants we now consider neoporteria were once considered copiapoas. A plant sold as "copiapoa species from Vallenar" is the same as those sold as "neoporteria species from Vallenar" and "neochilona species from Vallenar".

3) Grafting is a double-edged sword to increase plants. The base of the beheaded plant will usually produce many new heads, while the grafted scion (if the species is one that will pup or branch) produces new heads very rapidly when placed on a vigorous stock. Although most authorities opine that any cactus species can be successfully grafted on any other species, I have my doubts. Some scions unite with the stock but absolutely refuse to grow.

4) It is disheartening to lose all of a large and vigorous graft of a crest or monstrose or many-pupped scion when regrafting is indicated on account of disease in stock or part of the scion. Attempts to save apparently unaffected parts of the scion by cutting back to clean tissue with scrupulous aseptic technique are sometimes unsuccessful, the virus of the rot, if such it is, apparently being diffused through all the tissue and being transmitted to the new stock used in attempts to save apparently healthy pieces.

5) Most rebutias flower from the base of the plant. There are exceptions, however, notably among the sulcorebutias and some of the new (unpublished) varieties, which have flowers developing well up on the sides of the body, as in the lobivias. Echinopsis flowers usually develop at the crown of the plant, but hybrids of these groups (and also with chamaecereus) usually are found to have flowers on the sides of the plant bodies. The diurnal rebutia flowers may bloom for several days and quite a few of them increase in size each succeeding day they open. My favorite lobivia flower is that of lobivia corbula, which has a diameter of two inches, a short tube, and five distinct colors: white, yellow, orange, red and purple. The base of the inner petals is white and the color deepens toward the petal tips and the outer of the three rings of petals.

6) This has been an unusual season in that a great many cactus that ordinarily develop only one round of bloom or one set of new offsets, have had profuse multiple reblooming cycles and two or more sets of new growth. Such a phenomenon is expected with some species, such as mammillaria, but it has occurred this year with opuntias, neoporterias, arrojadoas, and others. Yet in this same season, some varieties would neither grow nor bloom! Two words important to the cactus fancier are "patience" and "exasperation".



W. F. SCOTT

## ESPINAS Y FLORES

THE OFFICIAL PUBLICATION OF THE SAN DIEGO, CALIFORNIA, CACTUS & SUCCULENT SOCIETY

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### CLUB MEETINGS

Monthly meetings are held on the first Saturday of each month at 1:30 p.m. in the Floral Association Building in Balboa Park, San Diego. Visitors are welcome! Parking ample and convenient.

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Please submit all material to the Editor before the third Saturday of the month. The sooner the better of course.

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### PROGRAMA POR OCTUBRE ASAMBLEA

Saturday, October 3rd, 1970, 1:30 p.m.  
in the Floral Association Bldg., in  
Balboa Park.

Dr. LEROY PHELPS will present a program on a few of the many outstanding plants he has collected from Northern Baja California and the Sonoran Desert. He will have a short slide show of plants being collected in the field, and he will have a number of the plants to show at the meeting.

### PLANTS OF THE MONTH

CACTI and SUCCULENTS collected on field trips. And of course the regular OPEN class. Bring in the plants that elicit your pride at this time of the year.

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