

Espinas y Flores

BULLETIN OF THE SAN DIEGO CACTUS AND SUCCULENT SOCIETY
 Affiliate of the Cactus and Succulent Society of America, Inc.

VOLUMEN SIETE, NUMERO DOS

FEBRERO 1972

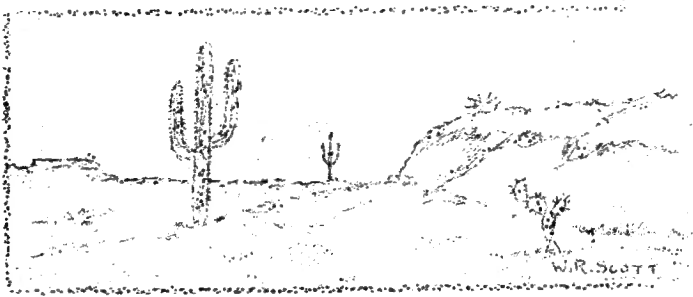
A LAND WITHOUT PROMISE

Excerpt from the report of Capt. Henry Smith Turner who accompanied the 1846-7 expedition of General Stephen Kearney from Fort Leavenworth to California and back. (The Original Journals of Henry Smith Turner, University of Oklahoma Press)

"OCTOBER 23, 1846.....Passed foundations ruins of settlement, whether of Indians, Mexicans, or Spaniards, or of the old Aztec race, could not determine.....

It can scarcely be believed that this sterile region was ever inhabited by a people differing much from the savage race now found here, the country does not afford resources for a civilized population. The soil is sterile beyond conception, producing cactus in every variety, and in great abundance.....

It is supposed by some that the United States will place a high value on this country, as affording a highway from the United States via New Mexico to California. But it is my opinion that a roadway is the last purpose to which this country will ever be applied.



It is with difficulty a mule can make its way through it--as for wagons, if they ever reach California it must be by a route entirely different from the one we have traveled over.

The country is healthy to a degree far surpassing in this respect all parts of the United States and perhaps all other parts of the world--there never was a purer atmosphere than I am breathing at this moment, but having said this there is nothing more to be said in favor of the country.

Invalids may live here when they might die in any other part of the world, but really the country is so unattractive and forbidding, that one would scarcely be willing to secure a long life at the cost of living in it."

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CACTUS SHOW: Desert Botanical Garden, Phoenix, February 20th to 27th, 1972

MEMBERS PLEASE NOTE---No exchange table in February

---TREASURE OF LIFE---

By Doc. R. V. Vaughan .

. IN THE BEGINNING there was a primordial substance from which later all other substances were synthesized.

To synthesize a new substance we have to first analyze the original substance.

Analyze means to separate either qualitatively or quantitatively so we can know what we are working with. We take water (H₂O) apart (electrolyze it) to find its component parts and these we measure--one volume oxygen (atomic weight 16) and two volumes hydrogen (atomic weight one) total atomic weight eighteen.

Since time began we have had nature everlastingly forming new substances from the basic rock of creation. All that we eat is synthesized from inert substances that we call sand, gravel, rock. We then use in most cases water to carry the solute to plants from which is built wood, bark, cambium tissue, leaves, fruit, etc.

All this chemistry depends upon the heat and active rays of the great source of all life as we know it---our Sun. All people in all cultures have had great respect for the god RA. They knew that all crops depended upon the Sun's return after the bleakness and chill of winter.

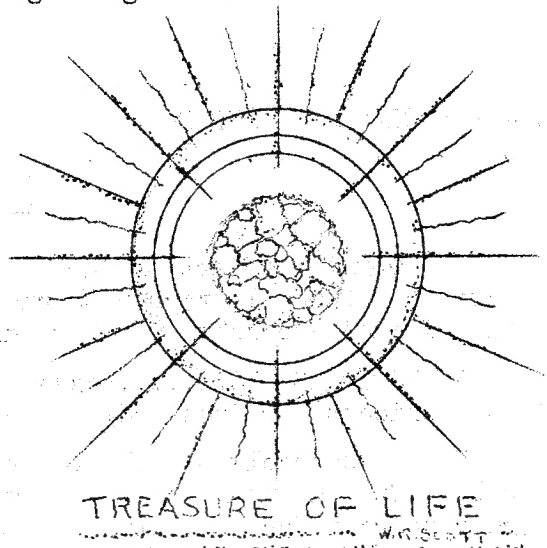
The Druids built their temple of Stonehenge so that they knew the day of the Sun's return trip northward. Egyptian temples were similarly situated and even the Aztecs and others in some way gave respect to the all powerful Sun.

We all know the Sun influences plant growth and wave motion in the oceans. This is called heliotropism. As trees grow and twist they exert pressures upon the cells that contain fluids and also capillarity causes the sap to flow in the spring and summer. Winter reverses the flow as the entire plant shrinks and the ground contains less water. Then leaves fall and the wood retains less water to freeze. This is one reason that subtropic plants like our citrus plants do not survive deep freezing as do pines, firs etc.

The water that forms sap is laden with dissolved rock. This comes from acidic waters leaching the small grains of sand. We are writing of organic acids only at this time. These are the carboxyls (CO.OH). The hydrogen of the carboxyl is held in polar combination and therefore exists as an H⁺ ion. A few acids we must have are formic, acetic, butyric, palmitic, stearic and oxalic. Humic acid is very necessary and is found in decaying vegetable matter. There are other and more powerful acids such as muriatic, sulphuric, nitric, but these have to be well diluted before they can enter plants in solution.

Acids dissolve most minerals and many metals and all flesh and plant forms. Stearic acid softens the flesh of animals and renders it into SOAP which is readily dissolved as an emulsion which is easily absorbed into the sap of all plants. Barnyard manure contains an acid which is most useful in life cycles.

As sap rises and works the bud of the forming fruit, the enzymes begin their work aided and assisted by the rays of the sun. This is a complex and not fully understood process. There are several theories too complex to describe here. Whatever the plan devised by the LAW, it seems to bring forth lovely flowers, satisfying fruits and garden truck. It may not always be so as we see the land being destroyed, water polluted, orchards laid in ruin as ever more humans crowd upon our most productive land that NATURE took ages to build from ROCK. We call it alluvial detritus---loess---silt. In truth it is the TREASURE OF LIFE.



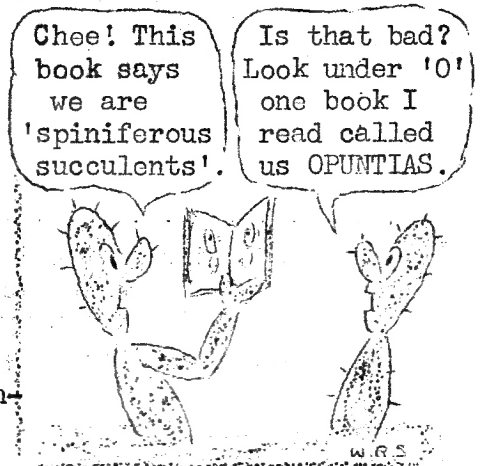
NATIVE CACTI OF SAN DIEGO COUNTY

By R. Mitchell Beauchamp

The native or indigenous flora of San Diego County is quite remarkable. Because of its varied topography and geological location, San Diego County has a rich and diverse assemblage of native plants. The plants and their relationships with environmental and genetic factors over the eons have produced some amazing plant species and groupings. Of interest to the cactophile would be the cactus flora of San Diego County.

Paleobotanical evidence indicates that cacti migrated north from the tropics as part of the Neotropical-Tertiary Geoflora. Although not a usual member of the fossil flora, phylogenetic relationships in the Cactaceae strongly point to the northward migration. The famous paleontologist, R. W. Chaney, reported the discovery of a fossil cactus in an Eocene stratum of Utah, indicating the existence of cacti a mere 55 million years ago. The warm, humid climate association with the Cretaceous period suggests that cacti may have inhabited western North America even 100 million years ago. From these data we can see that cacti have been around for a while.

The spiniferous succulents occur in all of the plant communities occurring in San Diego County, i.e. Coastal Strand, Coastal Salt Marsh, Coastal Sage Scrub, Chaparral, Yellow Pine Forest, Southern Oak Woodland, Juniper-Pinyon Woodland and Creosote Bush Scrub, and range from sea level to the top of Mount Laguna (6271'). Of all the counties in California, the cactus flora of San Diego County is the richest. The number of species or sub-taxa varies on whose book you read, but 23 seems to be a good average between 'lumper' and 'splitter' interpretations. There is only one species restricted to San Diego County, *Opuntia fosbergii* C.B.Wolf. The remaining taxa are shared with at least one of the bordering political units.



The following checklist is presented for your consideration. I consider myself a middle-of-the-road splitter regarding the Cactaceae, so bear that in mind when referring to the list. While we go on collecting rare, foreign cacti, we don't even know the friends in our own backyard. Some of the cacti of the county are common, others are rare. How many do you know?

- Bergerocactus emoryi (Engelm.) Britton & Rose
Echinocereus engelmannii (Parry) Lemaire var. engelmannii
Echinocereus engelmannii var. munzii (Parish) Pierce & Fosberg
Ferocactus acanthodes (Lemaire) Britton & Rose var. acanthodes
Ferocactus acanthodes var. lecontei (Engelm) Lindsay
Ferocactus viridescens (Nutt.) Britton & Rose
Opuntia ramosissima Engelm. Opuntia bigelovii Engelm.
Opuntia fosbergii C.B.Wolf Opuntia parryi Engelm.
Opuntia serpentina Engelm. Opuntia wigginsii L. Benson
Opuntia prolifera Engelm. Opuntia oricola Philbrick
Opuntia chlorotica Engelm. & Bigelow Opuntia demissa Griffiths
Opuntia echinocarpa Engelm. & Bigelow var. echinocarpa
Opuntia echinocarpa var. wolfii L. Benson
Opuntia acanthocarpa Engelm. & Bigelow var. ganderi (C.B.Wolf) L. Benson
Opuntia basilaris Engelm. & Bigelow var. basilaris
Opuntia basilaris var. brachyclada (Griffiths) Munz.
Opuntia littoralis (Engelm.) Cockerell var. littoralis
Opuntia littoralis var. vaseyi (Coulter) Benson & Walkington
Opuntia phaeacantha Engelm. var. major Engelm.
Opuntia phaeacantha var. discata (Griffiths) Benson & Walkington
Mammillaria dioica K. Brandege var. dioica
Mammillaria dioica var. incerta (Parish) Munz.
Mammillaria tetrancistra Engelm.

SAN DIEGO BOTANICAL GARDEN FOUNDATION, INC.
SAN DIEGO GARDEN CENTER MEMORIAL LIBRARY

December 11, 1971

SAN DIEGO CACTUS & SUCCULENT SOCIETY
Ione Hubner, President

Thank you for the copies of:

- CACTI & SUCCULENTS, Rudolph Subik
- STARTING WITH CACTI, Arthur Boarder
- CACTI & SUCCULENTS, INDOORS & OUTDOORS, Martha Van Ness
- THE CACTI OF ARIZONA, Lyman Benson

given as a dedicatory gift to the San Diego Garden Center Memorial Library, Casa del Prado.

The expression of cooperation from the many affiliated Societies and interested individuals assures us that the Library will rapidly become a reality.

Sincerely yours
Jeanne Beck, Chairman
Library Committee

NOTE: A subscription to the 'Cactus & Succulent Journal', publication of the Cactus and Succulent Society of America, was voted for the Garden Center Library by the SD C&S Society starting January 1972 by the Board of Directors on December 10th.

The Journal is a bi-monthly magazine devoted to cacti and other succulents for botanists and amateurs. It goes into every state and all foreign countries. It was started in 1929 by Scott Haselton and has been published ever since. It is the oldest continuously published magazine in the English language.

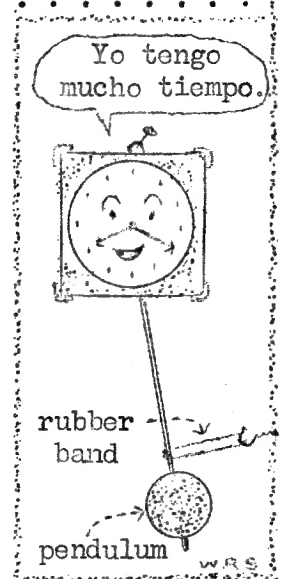
It is the single most valuable source of information on cacti and other succulents. Subscribers share the editorship by submitting material for publication.

In addition to the Journal, the Library will receive "Espinass y Flores" monthly bulletin of the San Diego Cactus & Succulent Society, starting with the January issue.

-----OBISP--O--GRAM-----
NO TENGO MUCHO TIEMPO

16201 Pablo Drive,
San Diego, Ca. 92128
December 27, 1971

- 1 NEW MASTHEAD: Improvement--artistic, tasteful!
(Each of you take a bow, Tony and Joe)
- 2 THANKS for the GENEROUS OFFER to clean the Rex Rotary, I respectfully decline. (No ink solvent or printer's union?)
- 3 CONGRATS on reelection to CSSA Board; members displayed excellent taste in exercising franchises. (X) YES, (X) NO
- 4 Re membership in INTERNATIONAL MAMMILLARIA ROUND ROBIN: My name was on waiting list for a new robin and a former member dropped out. International flavor comes from one member in north Ireland and one in England.
- 5 If my "no tengo tiempo" status changes, I'll try to put together a short article on how the Shinto religion in Japan accounts for much of their love of flowers, trees and nature. Their gardens are really something!



...el Chico, Rancho Bernardo

NEGLECT: "My secret for growing cacti is to give them the proper amount of neglect."
...Aaron FORST, L. A. Cactus & Suc't. Society

Kozumichi Okamoto
15th. Dec. 1971

Dear Ms. Nibby Klinefelter

It was a very pleasure to receive the Sep. and the Nov. 71 EYF at same time at last month. Thank you very much for your kindness that you sent the Nov. EYF to me by air mail. But I have not yet received the Oct. I was very glad to say I read the Nibby's notebook and your P.S. in the Nov. EYF.

The climate of Japan is not fit for cacti growing in deserts, because we have many rain all the year round. For we have much rain and damp especially in summer (Jun., Jul. and Aug.), and have snow and rain in winter (Dec., Jan. and Feb.) in South Japan, which will exert a serious influence upon cactus. Only a few kind of cacti can, therefore, grow out of doors. Most of cacti cannot grow vividly unless they are raised in a greenhouse.

I am very liking cactus flowers. I have collected many genuses of cacti to appreciate their flowers all the year round, so I can see much to see their flowers in my greenhouse which is covered in snow. I enclosed the flower season of cacti in my greenhouse

Merry Christmas and happy new year!

Yours sincerely Kozumichi

THE FLOWERS OF CACTI IN MY GREENHOUSE

	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
<i>Astrophytum</i>				*****	*****	*****						
<i>Coryphantha</i>				*****	*****					*****		
<i>Cereus</i>						*****	*****	*****	*****			
<i>Echinofossulic.</i>				*****	*****							
<i>Lophophora</i>					*****	*****	*****					
<i>Mammillaria</i>	*****	*****	*****	*****	*****	*****						
<i>Thelocactus</i>			*****	*****	*****							
<i>Ariocarpus</i>									*****	*****		
<i>Copiapoa</i>				*****	*****	*****						
<i>Echinopsis</i>				*****	*****	*****	*****	*****				
<i>Gymnocalycium</i>					*****	*****	*****					
<i>Horridocactus</i>			*****	*****	*****							
<i>Islaya</i>				*****	*****	*****				*****		
<i>Lobivia</i>				*****	*****	*****						
<i>Neckilena</i>			*****	*****	*****							
<i>Neoporteria</i>	*****	*****	*****	*****	*****	*****					*****	
<i>Notocactus</i>				*****	*****							
<i>Rebutia</i>				*****	*****	*****						
<i>Parodia</i>			*****	*****	*****							

Kazumichi Okamoto

Star to Star

from Corpus Christi, Texas 78412

Pachypodiums

Feb '72

Gordon Rowley of Reading, England, recently returned from Africa where he observed, photographed, and collected succulent plants. We quote from his letter to THE COASTAL BEND CACTUS & SUCCULENT SOCIETY:

"While in Africa Len Newton and I had the good fortune to see three of these aristocrats in habitat. Pachypodium saundersii was to be seen in the Lebombo Mountains of Zululand: magnificent great silver-skinned lumps of immobility sitting statuesquely on bare rocks in the full sun and with branches apparently quite at random, so that no two specimens looked alike. Nearby we saw them in a very different environment, under a canopy of xerophytic shrubs forming a tangled and almost impenetrable network of thorny stems, with young plants of all sizes beneath. I brought back three and two pods of ripe seed, but the latter unfortunately went mouldy in transit and failed to germinate.

P. hispinosum, which looks sufficiently like the former in cultivation for the tyro to confuse the two, is utterly dissimilar in nature, because the whole caudex and neck are below ground level and all you see above soil is a few twiggy branches -- quite inconspicuous when not in leaf or flower. We hunted hard to find a little one to dig. However, the very smallest proved to have a huge underground 'turnip' and was most difficult to extract. This was in the Little Karoo with Frank Stayner.

P. namaquanum, to me the aristocrat among the five South African species, was to be the climax of a trip up near the border with South West Africa. As it happened, the weather was poor and even P. namaquanum sheds its glamour when viewed through rain-spotted spectacles beneath a flat grey sky. However, we did have the pleasure of finding one cristate specimen. There was no seed, nor were there young plants, although we were fortunate to be given a 3" seedling each by our friends at the Wild Flower Preserve out there. All great fun!..."

STAR TO STAR is a fat little 8x5 publication with advertising for "GROUPS WHO LEARN and SHARE". Not only does the Coastal Bend C&S have coverage, - but there's a Bromeliad Society with knowledgeable articles handsomely illustrated. They also have things going for the orchid people, rockhounds, astronomers, campers and photographers. These booklets will be available from our library soon.



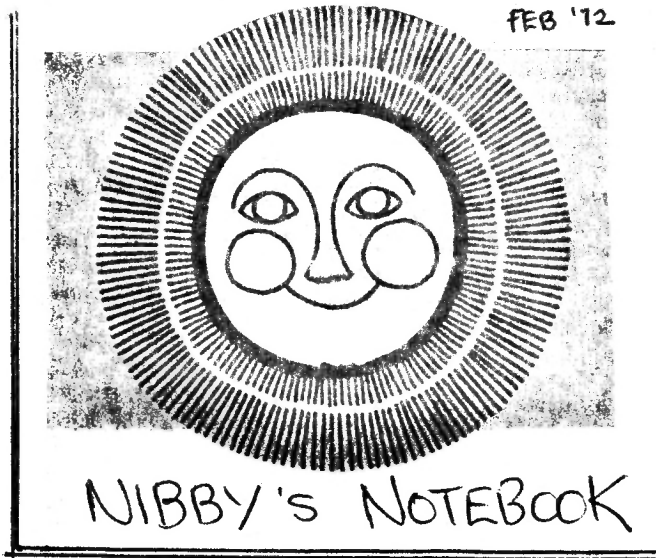
Special Announcement !!!

The SAN DIEGO and PALOMAR CACTUS & SUCCULENT SOCIETIES as hosts will serve a light lunch at noontime for visitors and members arriving at Casa del Prado before noon Saturday - February 12th - for the CSSA & SD C&S combined meeting.

Committee involved: Rose d'Atillio & Pat Mooney - assisted by Sophie Loyland - Hazel Scott - Perlso Lewis - Julianne Rice - Marilyn Phelps.

One or the other can answer any questions from sandwich-makers or cookie-bakers. What a powerhouse of hostesses!!!


Feels like Spring...looks like Spring...tiny delicate yellow fur-balls of acacia dance about the daffodils on my desk...everywhere in San diego orange rockets of Aloe arborescens thrust toward the sun...perhaps it's time to plant seeds... Ricky Latimer hopes to have seed for our meeting...Sophie hopes "someone" will bring small packets of soil mix (it used to be a Specialty of the House) or other planting medium to sell hand-out-of-pocket with the seeds... Talk was of planting seed...we have to back up so far to this most basic way that the very idea of growing from seed seems almost revolutionary to some of us, although there are advocates among us... Back in the swing of things Walt Greenwood reports that he's allowing his seed-sewen lithops to grow by themselves...he's having better luck than he did when he used to "over-love" them... Julianne's Mam dioecia (help--no books at the office) was big and strong, beautiful and blooming from seed four years ago... Ed Miller is going the seed route, too... Floyd has excellent results and advises starting in spaghnum moss to prevent damping off.




Plant-of-the-Month crest winner was Loyal Bibbey who did it with a Lobivia fatimatensis...Floyd's hardy(San Diego County hardy, that is) Crassula lactea with heads of white bloom abounce was the other winner...which is difficult to root and better divided... Everyone enjoys the sunny soft seats in Casa del Prado's 101 but at the same time we're looking forward to a platform that can be used every meeting to eliminate some of the neck-stretching for a better view...and perhaps a doorkeeper because door-banging is distracting... Lee Phelps, looking more literary every meeting, asked for "little gems of knowledge to share regarding the Plant-of-the-Month --verbal or written". Lee claims that if he can do it, anyone can...he's only been involved with C&S for the past five years...but how long with by-laws?...he's reworking them again... President Augie (You-Have-to-Pay-Attention) Pfeiffer wants less business and more fellowship...if you want more business, come join the Board Friday evening following the meeting... If you are on a Committee, Augie (Hold-the-Applause) Pfeiffer wants a written report -- O EXCELLENT IDEA -- Augie (Sit-and-LISTEN) Pfeiffer has had his name misspelled so often that recently he decided to spell it phonetically ..."Oh," said the clerk taking his reservation, "I had already written it P-f-e-i-f-f-e-r!"... Left under the tree for our charming President Past Ione was an engraved gavel which we trust she will cherish just as we cherish Ione... As Corresponding Secretary, Julianne will appreciate hearing who is on the sick list or who to congratulate for what so that she can send a card...Julianne whipped together a Mexican fantasy of Christmas + cactus for Floral Ass'n's program, using a little salt bread and a lot of color and ingenuity for a charming scene...Did Alice Wells add a dough doe?... Alice & Wilson are beautifully settled in Del Serro after moving thousands of plants...including a night-blooming epi that went on forever at their apartment and is now halfway around their lath-shaded patio... Marilyn Phelps made the attractive sand-cast cactus candle complete with spines that was on the table.

Ruth Nelson displayed the BOCKMOBILE designed and made by Oliver Loyland. Shelves fold and locked and were on rollers. It's really great -- you have everyone's gratitude, Oliver for your talent and generosity... Our new Wagonmaster Tony d'Atillio, mentioned as possibilities for future outings Quail Gardens, Abbey Gardens, Taylor's, Hardin's & Grigsby's nurseries, a collecting trip down Baja way -- everyone agrees that it's time for another...but there'll never be another like the other!...unless Bob & Suzanne Taylor lead it with their own dustcloud...and Warren buys new tires especially so he won't have a flat...and has three...that was in October, 1968, just to settle an argument of how long ago...read all about it in the November '68 EyF...

(NIBBY'S NOTEBOOK continued) Scotty introduced the staff of EyF...only Castophil was in Mexico again... Jack Schlotte will be doing some drawings of the leaves of succulents...this chatty bit will continue... darling Doc Vaughan drew a real ovation ... it's nice to know that thanks to Doc we have extra acres within the in-holdings in Borrego... your masthead is beautiful, Tony, and it's good to have Joe Werling working on layout...forgive these crowded pages,... Ruth has Martha Van Ness' book coming...March selection of Garden Guild Book Club!... Who else do we have published - besides Doc Vaughan? (PRINT OF MY REMEMBRANCE) Phil Corliss is reputed to have had a book published on day lilies BUT WE HAVE NEVER SEEN IT...

 Warren said that Doug & Donna passed through Bahia de Los Angeles the day following the Baja Safari...I did NOT sign my name THAT big in Papa Diaz' guest book! Papa Diaz gave me a seahorse's home...it looked like a fairy's cradle... In May the delightful Reynolds Herriot will give us a you-are-THERE type program on the beauties of Baja.

Was it Robin Strate who liked Buxbaum's verse WORTH? Or one of our favorite octogenarians, Emily Parks? Emily has two middle names -- Emily NONCRUSHABLE HURDLECLEARER Parks...she is a very positive-thinking philosopher with great vibrations. We would like to print the poem she recited for its inspiration... Speaking of vibrations, Bill Joy's donation was prompted because noone could top him^{at} a holiday party when he remarked casually that he had just paid his dues to THE SAN DIEGO CACTUS & SUCCULENT SOCIETY...who among us has not had to giggle when mentioning our pompous name? (GREAT club, however!) Dr. Bill is now Director of Medical Education at the Good Samaritan Hospital in Los Angeles; he was in SOQ at the Naval Hospital during his Navy years... Hazel Hicks (3224 Eritt St NE, Albuquerque 87111) is a member of the New Mexico C&S Society and wrote that she wishes to subscribe to EyF... Sent her the Nov issue w/note of Martin Mooney's address & that the new editor would catch her up-to-date... We always like to know where new members come from. December's Eleanor Baker of Perkinston, Mississippi became a member (wager she was surprised!) when her brother was a Sick Officer here at SOQ and thought she would enjoy our paper... Beverly & Jesse Dodd of Phoenix renewed their membership...the 23rd of December...their check will be forthcoming, Martin... they are active in their club and we hope to see them again soon.

 Have more copies of the special Casa del Prado issue of CALIFORNIA GARDEN and will pass among you to sell for 50¢ a copy...sorry I ran out last meeting. Jim Stalsonburg gave Floral Ass'n a program on house plants this past 18th of January... Lee Phelps will be hard put to follow the evening of the 3rd Tuesday February 15th...Room 101..."Water Gardens" - active in Tropical Fish, Bromeliad and Palm Societies, he has put together a program well received by other groups...

Did you catch the pleased smile that our new Secretary, Frances Langer, wore as she triumphantly bore a goodsized crest from the Plant Drawing Table? ... We do hope Sophie & Oliver have recovered from the flu ... Glad Olivia & Bob Fletcher are back with us again ... Elaine Niehaus is making a slow recovery from pneumonitis but is indomitable.

Ernest Petry (11301 Blades, Corpus Christi, Texas 78410) wrote to ask to be put in touch with some other collectors in "the old country". He is a 3rd-generation Czech and can get help translating. Read Ferdinand Plesnik's letter... Dr. Vlastimil Habermann at Karalvarski #48 in Plzen Czechoslovakia is also a member to contact, Ernest... Sorry, Charlotte K. Wittmeyer, that your extra copy of EyF was so long in the mailing but we were pleased with your order...Charlotte was editor of the Henry Shaw Cactus Society's publication... Anna Heide, editor of Portland, Oregon's C&S CACTUS CHATTER - Editors of Mojave Desert Cactus Club's SPASMODIC MONTHLY - Tucson C&S Botanical Society's CACTUS CAPITAL CHATTER - Lee Chambers of COLORADO CACTOPHILES CACTIVITIES -- thank you for honoring request that papers be sent to me - Nibby Klinefelter at 2201 Fairfield Street, San Diego, CA 92110. Other exchanges, please comply.

Olomouc, Ceskoslavensko
22 November 1971

Dear Madam,

Thank you for Idria columnaris with instruction for growing. I do not grow this and similar succulents. I grow only cactuses, but I hope that this plant will live to see the spring.

I long for better kinds of Mammillaria - as deherdtiana, dodsoria, goldii, lenta glassi and so on. I can not get them from anywhere. I used to get enough seeds by means of Doc Vaughan from Mr. Taylor, but not the above mentioned kinds. Would it be possible to gain some plants or seeds of them? Excuse, that I trouble you.

Billie Lucas has written in your magazine (May and June) about genus Gymnocalycium but did not mention G. eurypleurum. They are plants which F. Ritter collected in the year 1964 and indicated them FR 1178. I have enough seedlings and I could offer them to exchange for above mentioned Mammillaria. Would there be interest?

I shall send you the complete annual set of our magazine 1971 next month.

Sincerely yours,

Ferdinand Plesnik
Ferdinand Plesnik

8015 Midnight Pass Road,
Sarasota, Florida
15 November 1971

Dear Nibby Klinefelter,

Many thanks for your November publication -- a most interesting and informative newsletter. Thank you too, for the copies of my letter to you "From Sarasota to San Diego". This friendly gesture makes our club seem close to yours.

Sarah A. Zimmerman
Sarah A. Zimmerman

CLIPPING FROM SARASOTA NEWSPAPER

"The gardens of the Sarasota Succulent Society are located four blocks east of U. S. 41 at Myrtle on the corner of Myrtle, Coconut and 38th Streets.

The gardens are open to the public free of charge on Mondays from 9 a.m.--2 p.m. Surplus plants may be purchased and horticulture information is gladly given. Informative monthly programs are a bonus of membership which is open to area residents and winter visitors interested in succulents."

Sarah A. Zimmerman

ARE YOU LISTENING JOYCE TATE?
 --HERE'S ONE FOR YOUR BOOK!--
RECIPE FOR MEXICAN XMAS SCENE
 - - - by Julianne Rice - - -

INGREDIENTS

- 1 ACRYLIC PAINTS, variety of bright colors
- 2 ACTORS
- * 3 IMAGINATION
- * 4 INGENUITY
- * 5 POTTED PLANTS
- * 6 PROPS
- * 7 SALT BREAD
- * 8 TALENT
- * * * * *

PROCEED AS FOLLOWS, (Oven needed)

Set 8-foot table out from wall about two inches, cover with 6-foot square red spread placed diagonally.

OBTAIN MEXICAN PLANTS AS FOLLOWS: Must be collected specimens from habitat.

- 1 BURSERIA
- 2 FLOWERS (Poinsettias* see below--species 'saltbread')
- 3 IDRIA
- 4 ECHEVERIA (Hidalgo plant, bloody red)
- 5 MAMMILLARIA HAHNIANA
- 6 MELOCACTUS MATANZANUS (with crown, 'cephalum')

ANIMALS: 2 reindeer, one very thin (whv?), 1 less abnormal
 2 blue cats
 2 pigs
 2 chickens, male and female, latter must have comb replaced with crown
 2 fishes, three or four may be used if different species, sizes, etc.

ACTORS: Joseph, Mary and Child
 2 Angels
 1 burro, not regarded as animate, motion not required (see props)

PROPS: 1 cradle
 1 Spanish Mission with two towers and crosses
 1 Shoe planter, paint 'Feliz navidad' in red letters on side facing
 1 Cart, donkey attached (need not be tied) included in actors' group
 2 Candles in red holders
 1 Cactus candle, sand cast, simulated areoles, spine assemblies attached with wax. Move at intervals, do not permit to root, don't light.
 1 Cart filled with gifts made from full and half cores of bathroom type paper. Tinsel as needed to gift wrap above.

A Mexican Christmas Scene made from the ingredients listed above was prepared in its entirety from heretofore unpublished recipes originated by Julianne Rice.

The scene was prepared (cooked) and set up on the occasion of the Floral Association's 'Christmas Around the World' Show in Casa del Prado in Balboa Park on Tuesday, December 14th, 1971. It attracted much attention. It was undoubtedly the most imaginative and unusual portrayal of a Christmas Scene in the show. It might better be described as unique inasmuch as the actors, animals, buildings, *poinsettias, props, etc were made from salt bread decorated with acrylic paints by the author of the recipe.

Remnants of the display have been retrieved by Julianne and they are in her possession. She will bring them to a future meeting. Maybe she will 'fill us in' on details. Don't expect to be 'filled in' with the salt bread accessories. If you have the normal inclination to 'taste' recipes in their preparation, DON'T! If such desire persists, a similar effect may be obtained by consuming a piece of cardboard or plywood. Either will afford the same result if eaten, and both are equally palatable.

COOKING: "My wife's cooking melts in your mouth" said the young husband.
 "She never thaws it long enough."

QUARTERLY MEETING

February 12, 1972

FOUR YEARS AGO, almost to the day, Feb. 11, 1968, the Cactus and Succulent Society of America had its quarterly meeting in San Diego County. Palomar Cactus and Succulent Society hosted the meeting at Palomar College in San Marcos. Dr. George Lindsay of the California Academy of Sciences was speaker and his subject was "Ferocacti". Dr. Lindsay is the acknowledged authority on the subject.

Saturday, February 12, 1972, four years later, CSSA returns to San Diego County. On this occasion Palomar and San Diego Cactus and Succulent Societies will co-host. On this date our speaker will be the renowned and respected botanist Dr. Reid Moran Curator of Botany of the San Diego Natural History Museum. His subject will be: 'Echeverias and Dudleyas in the Scheme of Things'. To quote the Palomar Bulletin: "This is a great (if not gala) opportunity to hear the noted authority on the Crassulaceae.

Quarterly meetings bring to mind several previous meetings in past years. The Society endeavors to cover the state and to present programs of substance to all who are interested in cacti and succulents.

In June 1968 Dr. Edward Anderson of Whitman College, Walla Walla, Washington, described the "Cacti of Coastal Ecuador and the Galapagos Islands". In 1969 the program was very different and extremely interesting and constructive. It was a panel discussion at U. C. L. A. The subject "Haworthias", the panelists Dr. Jay Dodson, J. R. Brown, Myron Kinnach and Bob Foster. Yes, the plants, no doubt the finest collection of the genus on display in any one place at any time. All listeners would have been content to grow Haworthias and nothing more after listening and looking at Haworthia specimens on display and being discussed. One plant had been in one and the same pot for 31 years.

March 1970---Dr. Edmund C. Jaeger took the group on an arm chair tour of the "Deserts of the World". That was after they had visited his "Don't Bother Me Garden" in the morning. There's something enchanting about deserts that comes thru to you. You'd like to visit every one of them.

In May 1970 the English language had a botanical shakeout, or was it an exercise? Brian Lamb of England showed slides and told in his easy and smooth way about the Lambs' "Exotic Collection". After listening to Brian's elegant and smooth presentation, it is very easy to understand why his plants flower profusely for his camera regardless of changes in climate, habitat and seasons. His knowledge of plants and his proficiency in photography are extraordinary. EX---TROO---OO---ORD---INARY!!

In October 1970 and again in October 1971, Dr. Werner Rauh of the University of Heidelberg took large groups on a fantastic armchair trip through the Andes. Elevations were encountered as on an elevator---no discomforts, no problems. Fantastic scenery, unbelievable vegetation (including the cacti) made everyone unaware of the rigors of the Andes.

So it goes with quarterly meetings. Why tell about past ones when we've got a super-duper coming up right in our home town?

 HOW DO YOU GET TO CASA DEL PRADO? It's very simple. SOUTH from Los Angeles on Hiway 5 to Hiway 8. EAST on 8 to 395 (or 163, they're the same). SOUTH on 163 or 395, bearing right to Park Blvd. turnoff, CONTINUE to PARK BLVD. LEFT on Park Blvd. (Careful, two-way traffic on Park) to VILLAGE PLACE where there's a stop light. LEFT on Village Place about a block where Village Place turns left. YOU'RE THERE!!! There are two white passenger loading zones, second one alongside CASA DEL PRADO.

BUS DRIVER after unloading should continue to corner and west to Plaza de Panama and south to first left turn which will lead to large parking lot IMMEDIATELY south of Outdoor Organ. Return to Casa del Prado for reloading. . .via Park Blvd.

I have had some unhappy business with a Japanese cactus dealer but I am pleased to be able to recommend the Japan Cactus Trading Company who sent me excellent plants which were received in splendid condition. Their business is apparently only wholesale but if you can use multiple plants of variegatas, crests, and monstrosae, they are a good source. Their address is:

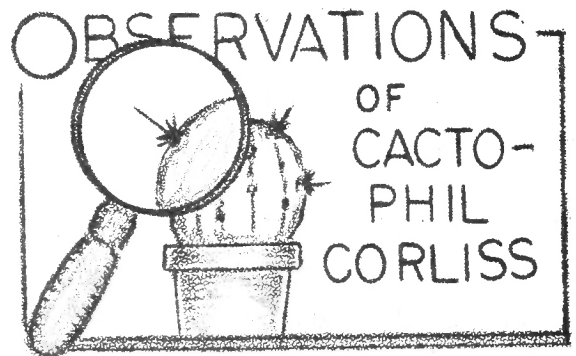
Japan Cactus Trading Company
48 Aza-Takeda, Oaza-Oguchi
Oguchi-Cho, Niwa-Gun
Aichi Prefecture, Japan

One of our members has written a book, published in October, 1971. "Caoti and Succulents Indoors and Outdoors" by Martha Van Ness is an excellent book for beginners. There are valuable tips for experienced gardeners, too. The book is a selection of the Garden Book Club, which bespeaks its merit. It is replete with photographs and drawings. Mrs. Van Ness's knowledge of cacti and succulents is built on a sound basis of horticultural education and practical nursery experience. The book should be in every gardener's library.

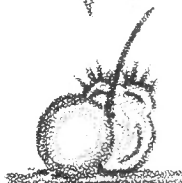
Lad Cutak, where are you? We miss your "Spine Chats". I know that one day you will return to cactus and succulent gardening as your principal interest. Please don't make us wait for that day to have you share your knowledge and experience with us.

There were some interesting things about collecting cactus between Lima and Matucana on my recent trip to South America. Four species of succulent plants dominated the growth on the rocky Andes mountains. The two cacti were (1) cereus peruvianus and (2) haageocereus seiboldianus. Most ubiquitous was (3) puya peruvianus. Most beautiful was (4) an euphorbia which is indigenous only to this area. It grows in shrub or small tree form, rather like kalanchoe beharensis in size. The leaves are a glossy reddish purple, and the flowers, copiously produced at the tip of each branch, are a flaming scarlet..... There were good stands of espostoa melanostele, and located one miles from this species was its spineless form, espostoa melanostele inermis, also in flourishing colonies. In the Rimac Valley on the way to Matucana it was thrilling to collect melocactus amstutziae both with and without cephalum. The area was rich with mila nealeana, loxanthocereus, matucana haynei, and several opuntias.

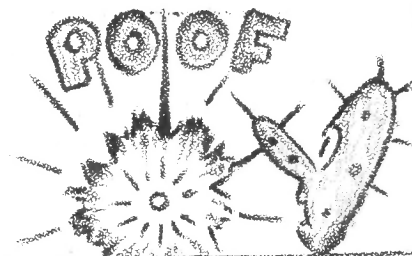
Have you tried Bubble Gum in your garden? I have great hopes that this will be the answer to those (excuse the expression) damnable caterpillars that seem to find my rarest cacti most palatable. Such is the manufacturer's promise. You spray the Bubble Gum on everything. A few bites of it and the caterpillar or other chewing insect chokes to death because he cannot swallow nor digest the Bubble Gum. The spray coats the foliage with a gloss, making for beauty but said not to interfere with transpiration.. If you want to try it, go to the Walter Andersen Nursery and tell Junior that Dr. Corliss said for him to sell you some Bubble Gum.



Doc. Corliss gave me bubble gum.



I'm going to show it to Mr. Opuntia.



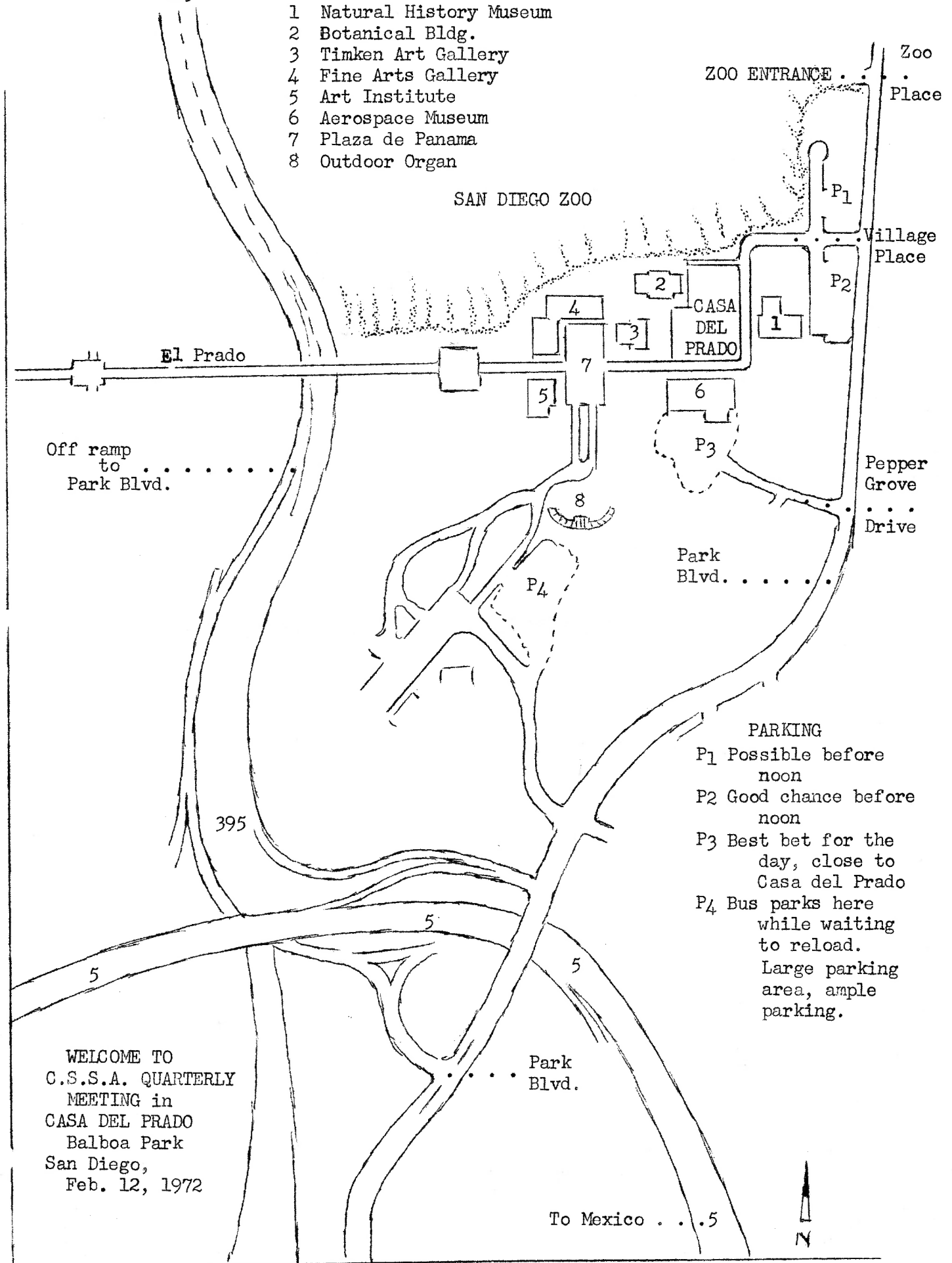
Doc. Corliss could I have some more bubble gum?



Hiway 395
" 163

POINTS OF INTEREST

- 1 Natural History Museum
- 2 Botanical Bldg.
- 3 Timken Art Gallery
- 4 Fine Arts Gallery
- 5 Art Institute
- 6 Aerospace Museum
- 7 Plaza de Panama
- 8 Outdoor Organ



Zoo Place

Village Place

Pepper Grove Drive

ZOO ENTRANCE . . .

P1

P2

P3

P4

Park Blvd.

PARKING

- P1 Possible before noon
- P2 Good chance before noon
- P3 Best bet for the day, close to Casa del Prado
- P4 Bus parks here while waiting to reload. Large parking area, ample parking.

WELCOME TO
C.S.S.A. QUARTERLY
MEETING in
CASA DEL PRADO
Balboa Park
San Diego,
Feb. 12, 1972

Park Blvd.

To Mexico . . . 5



PROGRAM BRIEFS

January meeting
Frances Langer Sec'y. . . .
.

The program for January's meeting was unusual and interesting. It was provided by various officers of the Club themselves.

First to speak was Lee Phelps, the new Education Chairman. He stated that his main goal for the year was to impart as much knowledge as possible about the various plants of the month to fellow members. He also hopes to stimulate members enough so they might try raising some specimens of these plants. The good doctor also asked for someone to help when he can't be present to edify us about cacti and succulents.

Lee was followed by Augie Pfeiffer, the new President. The President commented that this position was new to him and the beginning had been slow. Everyone knows that the beginning is the most difficult part of any job. Augie stated that he wanted less business at the general monthly meetings. He wants club members to become better acquainted with one another with regard to our mutual hobby.

Two of the shortest presentations came from Ricky Latimer, the 2nd Vice President in charge of plant sales and Martin Mooney, Treasurer. Ricky stated that he hoped plant sales would be up this year and that next month there would be some cactus seed on sale for those amongst us who have very green thumbs and much courage. Martin reported that 1971 closed out with 222 members and that he was available to receive dues for this year at any time.

Being rather new to California, Tony D'Attilio, the Activities Chairman, announced that he would appreciate information about places of interest to our members which we can visit. Tony feels a trip to Abbey Gardens and another to Quail Gardens are a "must". He promised more details later.

Scotty as the new Editor of 'E y F' thanked those who contributed to last month's issue of the bulletin. He then reviewed what appeared to be an almost inexhaustible list of contributors for future issues.

Last but not least was a report from Ruth Nelson, our trusty Librarian. Under her firm but gentle hand the library will maintain its high standards and will continue to get new books as they become available. The Library's newest item is a beautiful bookmobile which was constructed by the Loylands. The bookmobile which can be locked has enough shelf room to house additions for years to come. Ruth is pleased and proud of her Bookmobile.

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MOST EFFICIENT COMMITTEE

World's recordREMEMBER in the 'old days', Ripley's Cartoon,
For ACCOMPLISHMENT'BELIEVE-IT-OR-NOT'

. At the December Director's meeting of our Society Pres. Augie Pfeiffer appointed a Committee to draw up plans, obtain materials for, construct, deliver and set up a portable bookcase for the Club's library in the new Casa del Prado. Note the date: December 10, 1971. On Friday Jan. 7, 1972 the completed 'BOOKMOBILE' was delivered, the library was picked up at the Nelsons' and set up in readiness for the January meeting.

The BOOKMOBILE is sturdily built in two sections, each 4 X 4', 12" deep, each containing four shelves, adjustable, and the two sections are hinged on the ends so they can be folded and locked. The sections are set upon castors, fixed on one end and movable on the other. It is finished and stained. It is a work of art and its utilitarian efficiency is rated at 100%.

It is the result of designing, material gathering, building and finishing by the Loylands, Oliver and Sophie. It is an object of beauty and it couldn't be more efficient. It is the pride of all the garden clubs in the Casa. Just how do we go about thanking the 'Committee', particularly the Loylands. And 'Believe-it-or-Not' the first meeting of the committee has not been called.

LIFE'S LIKE THAT

IT'S ROUGH Q U O T E S

NO. 1 -- "Dear Ed: The suggestion about filing yearly volumes of Espinas y Flores in three-ring binders is very practical and well received. Would you arrange to punch future issues accordingly? Our family is going to purchase a three-ringer."

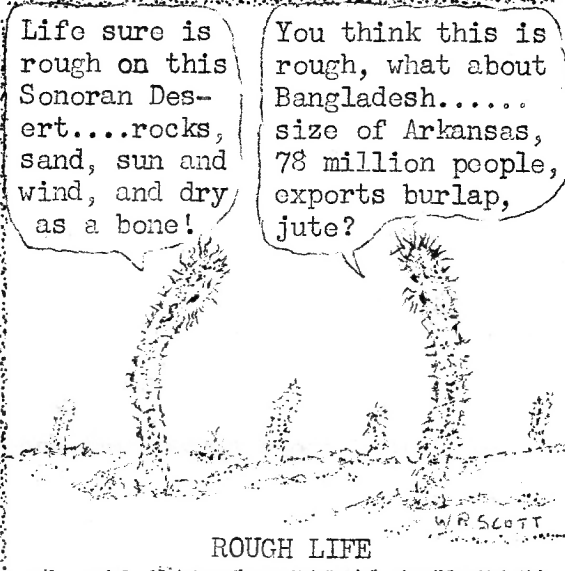
What about Volumen siete, Numero uno? Are you going to frame it and hang it on the wall?Ed

NO. 2 --- "Small suggestion for Ye Ed....Don't put second staple on side of sheet, it makes it difficult to read some of the first words in the lines. Both staples on the top would be better."

The copy we write would read approximately the same if you deleted the first word of each line. Try it that-a-way and write again.

NO. 3 -- "Haven't you heard about constitutional rights of minorities? We regard all right handed people as a bit odd..that's only our opinion. How about stapling 'E y F' on the right side?"

Nope, can't understand or read; draw cactus cartoons occasionally; inferences once in a while; maybe flies later on.Ed



NO. 4 -- "Dear Mr. Scott:
I'm sorry to have taken so long about answering your letter. I'm afraid I don't know much about M. thornberi except the fact that it is not too fond of people. It grows "not too far" from where I live and I do have a plant in my collection.

My suggestion for obtaining them (in any numbers) would be to raise them from seed. They could then be acclimated to captivity. I have found the most practical way to keep them alive after collecting from their natural habitat is to collect their habitat too (soil).

I'll do what I can about finding a plant (or some seeds) for you.

signed: Sincerely, Nona B. Mott, Hereford, Arizona 85615"

Floyd ol' Pal, would you help the Ed by growing M. thornberi seeds?

LOS ANGELES HAS EXPANDED---AND HOW! February 12th is the 37th Anniversary of the founding of the Los Angeles Cactus & Succulent Society. A number of present day members are celebrating the occasion by attending the Quarterly meeting of the CSSA in San Diego on February 12, 1972. Welcome to the Suburbs L. A. C&S Society.....Ed

MAIL ME "Projects are great, e.g. trip to Huntington Library, trip to Borego, visits to Johnson Nursery, etc. Also, horizon widening joint meetings, e.g. Feb. meeting co-hosted with Palomar C & S Soc." "Herm" Englander, La Mesa

"Warmest congratulations (or should it be condolences) to Scotty on his new job. Congratulations to the Society itself for the beautiful masthead on E. y F. The January issue was better than ever before. Love the cartoons. They're just great

Manny and Bert Singer, Reseda, Ca. 91335"

....Now we know which section of the "TIMES" you read..Ed

"Let's keep our meetings to one hour before refreshments and not longer than one hour after, complete two hours, programs not so tiring that way." O.E.M.

Ed, you're a man after my own heart, an hour's rest before lunch and another after...Ed

SAN DIEGO CACTUS & SUCCULENT SOCIETY

..... Monthly Bulletin 'Espinas y Flores'

PRESIDENT---August Pfeiffer, 5163 E. Bedford Dr., San Diego, Ca. 92116280 4444
 TREASURER---Martin Mooney, 97 K Street, Chula Vista, Ca. 92011427 6796
 SECRETARY---Frances Langer, 4459 Texas Street, San Diego 92116298 6323
 EDITOR ---Walter R. Scott, 3430 Wilshire Ter., San Diego 92104296 6022
 MEMBERSHIP, yearly, single \$3.00, family \$4.00, includes Bulletin 'Espinas y Flores'

* LESSON IN SPANISH *

..... Lauron Lovelace

LESSON ONE: PRONUNCIATION

Spines
and
Flowers

Espinas
y
Flores

LECCIÓN UNO: PRONUNCIACIÓN

Es --- pee -- nahs
 ee
Flor -- ays

..... end lesson one

..... fin lección uno

INTERMISSION

INTERMISIÓN

LESSON TWO: MONTHS

January, February, March
April, May, June
July, August, September
October, November, December

LECCIÓN DOS: MES

Enero, Febrero, Marzo
Abril, Mayo, Junio
Julio, Agosto, Septiembre
Octubre, Noviembre, Diciembre

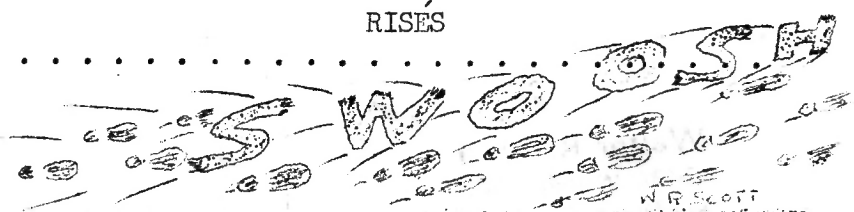
..... end lesson two

..... fin lección dos

RECESS

RISES

Gracias Profesor Lauron Lovelace,
y lección tres mañana...oops,
proxima mes?Ed



..... A PARK IS IN THE MAKING

BORDER FIELD STATE PARK

on the boundary of the U. S. and Mexico
The area is the native home or type
locality of:

1) Agave shawii, 2) Bergerocactus emoryi

-- THIS IS HOW YOU CAN TAKE A PART --

If you have either or both of these native plants and would like to do them a favor by returning them to their homeland, you can start them on their way by calling (phone after 6 p.m.) or writing:

R. Mitchel Beauchamp 477 8669
1841 East 16th Street, Apt. B
National City, Ca. 92050

For your enlightenment and information drive to the area now and return sometime later when the Park is established.

REGALEMENT APPRECIATION, JANUARY

Following are names of very generous members who contributed to the regalement at the January meeting. The COMMITTEE is most appreciative:

- | | |
|-----------------|-----------------|
| BENBOW, Charles | BIBBEY, Elvira |
| CUZNER, Ruth | D'ATTILIO, Rose |
| HAPEMAN, Leta | LANGER, Frances |
| LOYLAND, Sophie | MOONEY, Pat |
| RICE, Julianne | RICE, Lena |
| SCOTT, Hazel | VAUGHAN, R. V. |

(So sorry Helen HEGYI, your name was omitted in the January issue. Editor's goof.)

OUR LIBRARY could make very good use of sixteen book ends to hold tomes upright on the eight shelves in the new elegant, portable, spacious BOOKMOBILE. They will be put to work immediately. Utilitarian? Si!