

Mammillaria thornberi

ESPINAS Y FLORES

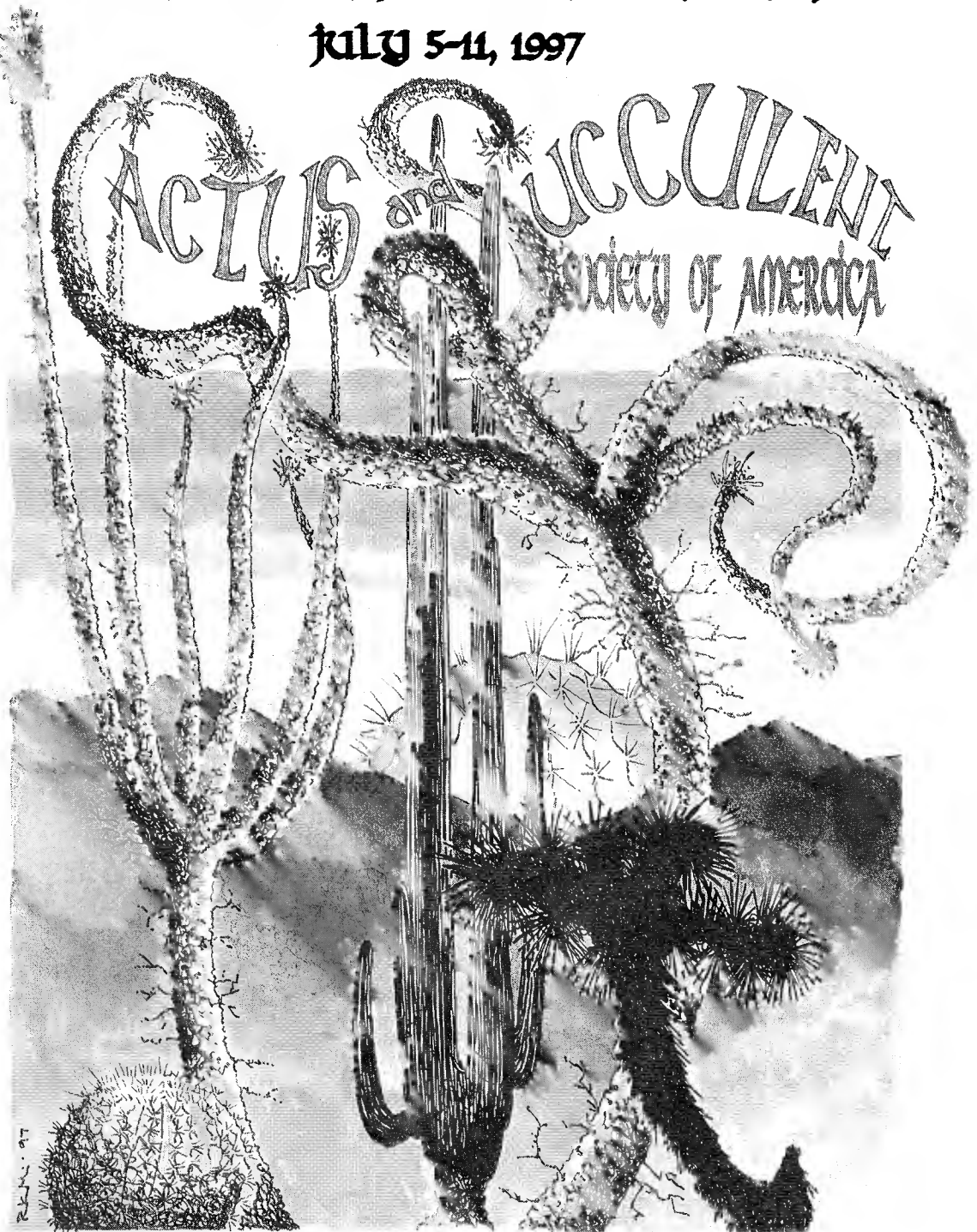
NEWSLETTER of the SAN DIEGO CACTUS & SUCCULENT SOCIETY, INC.

A Non-Profit Public Benefit California Corporation

VOLUME XXXII NUMBER SEVEN SATURDAY, JULY 12, 1997 @ 1:00PM

27th BIENNIAL CONVENTION

JULY 5-11, 1997



hosted by THE SAN DIEGO
CACTUS & SUCCULENT SOCIETY

COPIAPOA IN THEIR ENVIRONMENT

SPEAKER: *ATTILA KAPITANY*

We are honored and pleased to have a very special international speaker for our July 12th meeting. Attila Kapitany was born, raised and educated in Melbourne, Australia. He is part owner and operator of Paradisia Nurseries which specializes in the breeding, cultivation and marketing of rare and exotic plants—his passion for over 15 years. He has traveled extensively to cacti habitats and aims to play a role in conservation by distributing artificially propagated endangered plants.

As many of you already know Attila, along with Rudolf Schulz, authored and published the new magnificent opus *Copiapoa IN THEIR ENVIRONMENT*. This limited edition (2,000) is filled with glowing photography of this remarkable genus in its habitat which is restricted to the coastal fringe regions of Chile. This book has generated tremendous accolades from the botanical - horticultural world not only for its lucid enthusiastic text and excellent photographs complete with GPS references, (*Global Positioning Service gives exact locations - longitude and latitude in degrees, minutes, and seconds via satellite*) but also for its distribution of field collected seeds and the ongoing documentation of plants propagated from these seeds. In addition to its stunning presentation of *Copiapoa haseltonia* on azure dust jacket, this book also contains some wonderfully imaginative artplates, scientific diagrams, and maps all rendered by Noel Butler. Books will be available for purchase and signing at the meeting.

This slide show presentation will be a major post-convention highlight. We are extending an invitation to all our San Diego visitors, and we hope that many of them can stay over an extra day to join us. Everyone is sure to enjoy this one and only presentation by Mr. Attila Kapitany during his visit to the United States.

About our cover: This lovely drawing of "Boojum Sky-Writing" is the winner (*one of two*) of the SDC&SS Art Contest featured in our March issue. The artist, Richard K. McNeill, brother to SDC&SS member Pamela Badger, resides in Garland, Texas. In college he majored in Fine Arts, however, present fiscal responsibilities have caused him to take a day job in another far more mundane field. We were surprised to learn that Richard has never been to Baja to observe the Boojum in all of its glory. Apparently, Pam & Lee gathered some of their favorite photos and drawings of local (*San Diego and Baja*) plants which they mailed to him along with a flyer about our art contest. Well Richard, \$200 will probably not get you all the way down to Catavina from Texas, but it is a good start!

Costs prohibited us from publishing this piece in its full color glory. However, a limited edition full color poster will be available at the CSSA Convention. What a terrific San Diego souvenir!

Please send your letters, artwork, poetry, Cactus or Succulent-of-the-Month articles, puzzles, comments, or criticisms, etc. to:



MICHAEL & JOYCE BUCKNER, EDITORS
4822 SANTA MONICA AVENUE, #103
SAN DIEGO, CA 92107
PHONE OR FAX: (619) 222-3216



PUBLICATION DEADLINE IS THE 20th of the prior month.

Espinas y Flores, the newsletter of the San Diego Cactus and Succulent Society, Incorporated, P. O. Box 33181, San Diego, CA 92163-3181, is published monthly with the exception of a combined May-June issue (11 issues per year). Subscriptions (Bulk mail - within USA) are \$10 per year.

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Missing Anything??? Several items were left behind by show participants. On Sunday, June 1st these abandoned objects were found at the curbside loading area, in Room 101 (*Showroom*), upstairs where the Judge's Lunch was held and, of course, in the kitchen. Please call Tom Knapik at (619) 462-1805 or contact him at the July meeting. You would be surprised at what was found!!

Offshoot Tours in Balboa Park needs volunteers knowledgeable in cacti & succulents. For over ten years these Saturday tours have been enriching San Diegans as well as visitors from all over the world regarding Balboa Park's horticultural treasures & history, including the **Desert Walk** which tours our Park's extensive Desert Garden. Desert Walks are held on the fourth Saturday of each month, January through October. The tours are free and no reservations are necessary; anyone wishing to take the tour should meet in front of the Botanical Building at 10 a.m.; walks last approximately one hour. Presently there is only one volunteer knowledgeable in cactus & succulents giving these tours. Balboa Park Ranger Michael Ruiz is hoping that one or two SDC&SS members would also like to give the Desert Walk tours. Volunteers receive many benefits, including: discount transit passes, membership to the City of SD Employee's Credit Union, and Balboa Park museum tours, invitations to special events, horticultural workshops, and educational opportunities. **Contact Michael Ruiz at (619) 235-1122.**

Congratulations Jeffrey Moore of Solana Succulents - His Del Mar Fair exhibit received the Royal Horticultural Society Award for displaying outstanding educational merit & the S.D. Horticultural Society Trophy. When visiting this landscape exhibit—do not miss the six foot tall *Pachypodium lemairii* with a two foot wide crest — totally awesome!!

We were absolutely delighted to see and converse with **Bob Taylor** at the show, albeit in wheelchair. A founding member (1962) of our organization, he has never missed a SDC&SS Show! At 93 Bob's memory of plant names and obscure native localities is still sharp as ever; his love of the plants is delightfully apparent. Thanks to **Rick Plant** and Bob's daughter, Suzanne for making his excursion possible. We love you, Bob!!

On a similar note, **Floyd Gable's** absence from this year's Show & Sale strikes a cord of concern. Floyd's plant sales tables at the June Show are practically a fixture. We hope to see you at the July meeting, Floyd!!

Now the good news, **Jon Rebman PhD**, curator of Botany for the S.D. Museum of Natural History has disclosed that a recent field trip to the Catavina area of Baja was successful. He and volunteers have documented *Echinocereus lindsayi* in far greater numbers than expected. If these populations continue to thrive this specie's status may change from "Endangered" to merely "Threatened" (*which should not be taken lightly*). When you consider that this plant has been considered nearly "Extinct" in habitat, this is indeed very good news.

Jon has also just published (*CSSA Journal, Vol. 69 - No. 2, March - April 1997*) a new species of *Opuntia*: *Opuntia lindsayi*. Jon states, "This species is named in honor of Dr. George E. Lindsay for his long devotion to cacti and his contributions to the botanical investigation of the Baja California peninsula and its islands."

Letters to the Editors and other worthy Contributions: In the past few months we have received several very interesting, informative, and even amusing letters from as far away as France & China and as close as El Cajon. Additionally, we have received a terrific article from **Fred Keller** (*to be published in August or September*), and a "care" package from **Joe & Carol Wujcik** with funny poems & pictures, odd inventions, environmental strategies, physically impossible stunts, mazes, games & puzzles, and the hilarious "**Bunny Ears**" story by **Ron Burnight** of Pahrump, Nevada — Thank you Joe, Carol & Ron!!

We really appreciate all this great input and intend publish and/or answer as many of your letters as possible in the August and September issues. So, keep those cards and letters coming in!!! . . . Oh, and if you are expecting a personal response, we will try to get to it . . . don't hold your breath!!

Looking for a couple of *Euphorbia ingens?** Evelyn Fix of 6501 Bing Street, San Diego has a couple of these 10' to 12' "Cactus Trees" that are free for the digging. Guess these old guys have got to go and she is hoping that someone from our society will adopt them, so they won't have to be destroyed. Call Evelyn @ (619) 583-6643. (* Please note: description over the phone sounds like *Euphorbia ingens* — I make no guarantees!!)

The San Diego City Council has approved plans for the Kate O. Sessions statue in Balboa Park. The life-size statue will be at the corner of Laurel Street & Balboa Drive. It is to be financed with private donations and will cost \$63,700; donations can be mailed to City Beautiful of San Diego, P.O.Box 8078, S.D. CA 92138-0878.

Welcome to Southern California Chris and Steven!! More on this . . . later.

July 3, 5 & 6: CSSA Show & Sale @ Huntington Botanical Gardens - (909) 624-2282 or (818) 405-2160.

July 5 - 11: CSSA 27th Biennial International Convention at the Town & Country Hotel /Convention Center in Mission Valley, San Diego, CA. Information contact Martin Mooney @ (619) 427-6796.

July 26 - 27: Norcal Show & Sale @ San Francisco County Fair Building - Claims to be the largest C&S show in California!! For show information call Naomi Bloss (408) 722-1446 or Dorothy Williams (916) 967-7988; for sales info call Retha Long (408) 998-8292; and call Kaye Rosso (501) 376-6903 for Italian banquet on Saturday night - banquet tickets must be purchased in advance.


August 14 - 16: The Second Annual Baja California Botanical Symposium presented by the San Diego Natural History Museum, co-sponsored by the Universidad Autónoma de Baja California Herbario BCMEX. This will be held at the Museum in Balboa Park. This symposium provides an international forum for botanical researchers investigating the flora of the Baja peninsula and adjacent areas. Binational format; content will be conducted in Spanish and English. Topics of interest are drawn from most botanical disciplines including: taxonomy/systematics, biogeography, vegetation/community analysis, ecology, floristics, biodiversity, ethnobotany, conservation, evolution, and paleobotany. A banquet (*optional* - \$35) at **Quail Botanical Gardens** on Friday night will highlight **Dr. Reid Moran** and his keynote address entitled "Guadalupe Island and its Flora, What's Left of It." For registration form or further information contact **Dr. Jon Rebman**, Dept. of Botany - SDNHM, P.O.Box 1390, S.D. 92112; (619) 232-3821 ext# 247; e-mail: sdnhmrebman@earthlink.net.

August 16 - 17: Southern California Inter-City Cactus & Succulent Show & Sale at the L.A. County Arboretum, 301 N. Baldwin Ave., Arcadia, CA. Sponsored by Long Beach C&SS, L.A.C&SS, and San Gabriel Valley C&SS. This is a terrific show - Quality and Quantity!!! Sales area noted for having those very special hard-to-find plants. Setup Aug 13, Wed - Aug 15, Fri; for show info contact Woody Minnich @ (310) 599-1146 or Larry Grammer @ (805) 944-2784. Great Awards Banquet on Saturday night. To request pre-show newsletter contact Carol & Joe Wujcik @ (714) 963-3146.

September 27: Huntington Succulent Symposium - This year's symposium will be held in conjunction with the IOS Convention on Friday, September 26 and Sunday, September 28th. Info: (818) 405-2160.

November 1 - 2: San Gabriel Valley C&SS Winter Show & Sale @ L.A. Arboretum - 9am to 5pm; contact Jim Hanna @ (310) 920-3046 for more information.

Page 4



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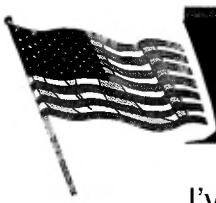
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I've heard it said by veteran show attendees that this years annual show and sale were the best ever. Countless visitors bought plants, books, pots, and art from 20 vendors and saw a show that featured hundreds of beautiful plants, works of art, and photography of plants in habitat. Our show is truly growing in quality and dimension.

I want to thank our judges, **Joe Clements, Ellen Low, Larry Grammer, and Carol Wujick** for their early arrival and participation. A special thanks to our committee chairs **Joey Betzler, Mike Cullen, Tom Birt, Beverly Kirkegaard, and Pam Badger** for the hours and hours of hard work. Thanks also to all the volunteers and exhibitors who made the show and sale so successful.

As a conscientious co-show chair, I believe that there are areas which could improve. I asked members to contact children in their families and submit a picture to display. We had only 2 entries. If this is any indication of our future members interest, we have our work cut out for us. Also, although the quality of our show plants was excellent the quantity just wasn't there especially in the cactus and euphorbia classes. I need your help and suggestions for improving these areas.

The CSSA convention at the Town and Country hotel is just around the corner. This will be the finest gathering of international and national experts ever, an event not to be missed. The presentations, plants sales, rare plant auction, displays, and field trips will be a fantastic way to meet new people, learn, and obtain new plants. I encourage all of you to get involved with this wonderful event.

On July 12, one day after the convention, we will have our regular monthly meeting with another outstanding speaker. **Attila Kapitany** will give a slide presentation on his exploration of Chile to study the genus Copiapoa. His work culminated in beautiful book that will be available at the meeting. Join us for this very special meeting.

Tom Knapik

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BUNNY WHO?



by Ron Burnight

Page 6

It's hard to believe that anything with a cute name like "Bunny Ears" could cause a maelstrom of trouble, but it did. All because of Bunny Ears I lost my girl friend, I have become a social pariah, and worst of all I had to throw away a perfectly good T-shirt with the slogan "*Cactophyles do it in the Desert*" on it.

It all started the day I decided to move a five gallon specimen of *Opuntia microdasys*. Now I know about glochids, so I was very careful to carry the plant at arm's length—but it did no good. Somehow, the gentle wafting of a breeze or simply the motion of walking transferred those glochids from that Bunny Ears to the T-shirt I was wearing. By suppertime my stomach was covered with a fine red rash.

After supper I tried getting rid of the virtually invisible pests. First I tried tweezers, but gave that up after pulling out three hairs and a freckle. Next I tried tape. I had some industrial strength duct tape, and ripping off a piece, I applied it to my paunch. I'm not a very hairy guy, but when I tried to take that tape off, I discovered I was a lot hairier than I thought. After two gigantic tugs followed by two bloodcurdling screams, I decided to soak it off in the tub.

That is when I decided to shave them off as I had heard that shaving works. So I stripped to my skivvies and lathered up my stomach. I was just reaching for my razor when my girlfriend, She-Who-Never-Knocks, burst through the door. Taking in the situation in a glance and giving a girlish squeal of delight, she launched herself at me, immediately slurping up the soap. She stopped just as fast as she had started, stared at me eyeball to eyeball, and spit the soap in my face. Then she disappeared into the bathroom to rinse her mouth out. She came back carrying a towel.

"That wasn't whipped cream!" she said. "Just when I think you're finally doing something romantic, it turns out to be that weird sense of humor of yours. What was that anyway?"

"I was getting ready to shave my stomach."

Her eyes got that tender, moist look again. "For me?"

"No, I've got these glochids, and I --"

"You got what?!!!"

"Glochids. I was --"

With one swipe of the towel she wiped the rest of the soap off my tummy. Noticing the tape, she asked, "What's this?" She gave it a mighty tug. There is no way I can describe the pain. All I can say is that it turned my bellybutton from an iny to an outy.

Then her eyes fixated on the rash. "You beast!" she screamed. "You've been messing around with that Anderson tramp again!"

"That's not what you think it is," I said. It is just a simple --"

"Oh yeah! The last time I saw a rash like that the guy spent six weeks on penicillin. You said yourself it was a dose of glochids."

"Exactly! Glochids! And I didn't get them from Gloria. I got them from that Bunny Ears --"

With a windup that would have made a major league pitcher proud, she whacked me across the chops. "You call her Bunny, too!"

"Honey Bunny," I said, wrinkling my nose in our secret lover's sign, "Trust me, there is no one but you."

"Don't you wrinkle your nose at me, you beast!" She whacked me again and stomped out of my life.

Well, I may have lost my girlfriend, but I still had the glochids. Shaving got rid of most of the ones on my stomach, although there was still the occasional pang. The T-shirt was a different case. After washing it three times I threw it away. Besides, it was embarrassing going to the same laundromat where I had met Honey Bunny. She had obviously informed everyone in the place about my "dose of glochids." When I got change, the counter lady dropped the coins into my hand so she would not have to touch me. As I circulated through the laundromat, every time I passed a couple of ladies they gave me that "he's the one" look, and after I had passed I could hear them saying in a stage whisper, "-- a dose of glochids."

Guess, I'll have to change laundromats. I only wish women were as permanent as glochids.

As show chair most of the thanks go to the following entrants of the Annual Show: Marilyn & Ted Alford, Elizabeth Athy, Michael & Joyce Buckner, Lee & Pamela Badger, Gloria Brown, Dorothy Byer, Michael Cullen, Ed & Debe DeLollis, Tom DeMerritt, Carl Dykema, Jeanette Dutton, Phyllis Flechsig, Sandy Frost, Ken & Gloria Graham, Kelly Griffin, Marylyn Henderson, Jeffrey Harris, Michelle Heckathorn, Camille & Richard Horak, Beverly Kirkegaard, Nibby Klinefelter, Joe Kraatz, Rudy Lime, Elibet Marshall, Woody Minnich, Martin Mooney, Alex Murphy, Ed & Karla Nolan, Renee & Brian O'Connell, Diane Peterson, Joe & Kay Quijada, Vincent Scheidt, Sara Schell, Steve & Rowena Southwell, Herb Stern, Jerry Williams, John Williams, Mary & Monte Woodworth and Carol Wujcik. These forty-plus exhibitors made our show a success with 500 entries and over 650 plants (including collections, displays and exhibits).

I wish to acknowledge the members who helped set up the show tables, mark forms, count & carry show plants, and get the show prepared for judging. Show Helpers were: Stefy Mangold, Joe Kraatz, Rudy Lime, Elibet Marshall, Beverly Kirkegaard, John Williams, Sara Schell, Tom DeMerritt, Michael Cullen and Joe Wujcik. Additionally, Dan Hammonds and D'erdra Smothers greeted visitors to the show, distributed information, recruited new members, and encouraged everyone to enter the drawing and complete the People's Choice Award ballot.

Beverly Kirkegaard (Head Clerk) managed the point tabulators and clerks who assist the judges on Saturday morning. Show clerks were: Ric & Marilyn Newcomer, Betty Athy, Don Patterson, Phyllis Flechsig, Joyce Buckner, Rudy Lime and Marylyn Henderson. Elizabeth Glover headed up the tabulation team with Sandy Frost and Jeffrey Harris assisting. Once the judging is completed in a category, clerks remove top portion of the entry label and turn them to the tabulators who add up the points for each show exhibitor. Since Beverly sends a letter to each of her workers, outlining their duties and obligations, it is of little surprise that everyone did a fine job and made things run smoothly this year.

I can not cover the Sales or the Luncheon helpers here, I stayed pretty much around the show this year. I would like to make a special thanks to my fellow Chair though, Tom Knapik. He has helped me a lot this year, and I appreciate it. Without his aid things would not have run as smoothly. His help and yours does a lot for our society. Below are the show statistics for 1997.

Thanks - Joey Betzler

AWARD WINNERS:

Steve & Rowena Southwell
 Marilyn Alford
 John Williams
 Tom DeMerritt
 Ed DeLollis

CACTUS

Best Cactus Phillip Corliss Plaque
 Best Novice Cactus San Diego Cactus and Succulent Society Plaque
 Best Epiphytic Cactus Plant William & Ruth Nelson Trophy
 Best Mammillaria Elibet Marshall Trophy
 Best Opuntiae James & Shirley Berry Trophy

OTHER SUCCULENTS

Beverly Kirkegaard
 Lee Badger
 Ed & Karla Nolan
 Joe Quijada
 Brian & Renee O'Connell
 Michael & Joyce Buckner
 Elizabeth Athy
 Rudy Lime
 Joe Quijada

Best Succulent Ruby Falk Plaque
 Best Novice Succulent . . . San Diego Cactus and Succulent Society Plaque
 Best Agave Doris Rake Plaque
 Best Aloe Barbara Jeppe Trophy
 Best Echeveria Oliver & Sophie Loyland Trophy
 Best Euphorbia Russell & Lydia Evans Cup
 Best Mesembryanthemum Samuel & Adela Markey Trophy
 Best Pelargonium or Sarcocaulon Wilna Johnson Trophy
 Best Sansevieria Richard G. Latimer, Sr. Trophy

CACTI OR SUCCULENTS

Woody Minnich
 Carol Wujcik
 Rudy Lime
 Martin Mooney
 Kelly Griffin
 Steve & Rowena Southwell
 Michael & Joyce Buckner
 Dorothy Byer

Best Baja Plant Richard G. Latimer Jr. Memorial Trophy
 Best Graft Bob & Suzanne Taylor Trophy
 Best Mexican Plant in Show Dudley B. Gold Trophy
 Best Plant From Seed Grown by the Exhibitor Tegelberg Family Plaque
 Best San Diego County Succulent Julianne Rice Trophy
 Best Pachycaul or Caudiciform H. Warren & Virginia Buckner Trophy
 Best Succulent Bonsai Rudy & Teresita Lime Trophy
 People's Choice Award Rose D'Attilio Memorial Plaque

DISPLAYS, EXHIBITS AND HIGH POINTS

Kelly Griffin
 Rudy Lime
 Michael & Joyce Buckner
 Woody Minnich
 Ed & Karla Nolan

Best Educational Display Cactus and Succulent Society of America Award
 Best Exhibit Reuben Vaughan Plaque II
 Most Artistic Display Walter & Hazel Scott Plaque
 High Points 50 or fewer entries James & Shirley Berry Trophy
 Sweepstakes Trophy Ronald & Marcia Monroe Trophy

These people have Spines

★ Pamela Badger who did such a wonderful job with the Judge's Lunch would like to thank: Kaija Marcon, Lee Badger, Debe DeLollis, Laura DeMerritt, Stan Yalof, Elibet Marshall, and Joyce Buckner. Additionally, thank you to everyone who made a food contribution to the judge's lunch. Everything was absolutely delicious, and there was more than enough to eat and drink!! (*And thanks to however brought the chocolate cake!!*)

Show Sale Chairman, ★ ★ ★ ★ Michael Cullen (*Happy Birthday, Mike! You're four star!!*), and our Treasurer, Herb Stern, would like to thank the following members:

Monte Woodworth, Carol Jean Wolcott, John Williams, Ethel Standish, Tom Sitko, Sara Schell, Vincent Scheidt, Kay Quijada, Joe Quijada, Rick Plant, George Plaisted, Diane Peterson, Alex Murphy, Renee O'Connell, Brian O'Connell, Woody Minnich, Rudy Lime, Perlo Lewis, Joe Kraatz, Mike Koch, Tom Knapik, Beverly Kirkegaard, Virginia Innes, Susan Hopkins, Marylyn Henderson, Michelle Heckathorn, Dan Hammons, Curt Hammel, Sandy Frost, Phyllis Flechsig, Laura DeMerritt, Tom DeMerritt, Debe DeLollis, Ed DeLollis, Anna Cornett, Michael Buckner, Tom Birt, Joey Betzler, Lee Badger, Betty Athy, and Brent Athy for cashiering, setting up tables, hauling plants (*other than their own!*) to sales area, setting up the shade cloth (*a special thanks to Brent Athy and George Plaisted, who went above & beyond*) and the sales area shade tent, helping people carry their purchases, and answering all of those questions.

★ Beverly Kirkegaard, our most organized member, for overseeing point tabulations and serving as head clerk. Beverly you're the BEST!!!

★ Elizabeth & Wilbur Glover for their Park-Your-Plant service booth @ outside show entrance.

★ Jim & Roberta Hanna for bringing us lots & lots of those small low boxes —
The ones that are the perfect size for carrying sale plants.

Please note: If you helped and we left you out, let us know!! If you did not help, but we have included your name in error: you must now bring refreshments to the July meeting and offer assistance to fellow club members, before, during or after the next meeting you attend!!

And last but by no means least, the entire membership of the SDC&SS would like to thank all of our show vendors! These growers, ceramists, nurserymen/women are the very core—the heart of our organization. They contributed over \$6,000.00 to our society through this one weekend sale. . . . But they didn't just work this one weekend. They spent weeks, months, and years growing the plants, making the ceramics, labeling, carrying, moving, naming, educating, and negotiating. They represent hundreds of years of horticultural experience, thousands of hours of studying, reading, writing, teaching & learning, and miles and miles of sore muscles and aching backs—a direct result of bending & lifting, hauling & carrying, digging & driving—just plain ol' back breaking hard work!! Thank you SDC&SS Show Vendors!! Because of your success the SDC&SS can provide all of its members with quality programs/speakers, a terrific newsletter, field trips, a wonderful library, and even an occasional gift plant!

The 1997 \$\$ contributing \$\$ Show Vendors were:

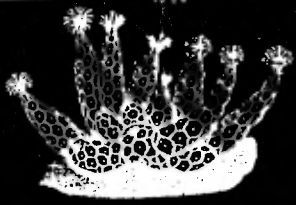
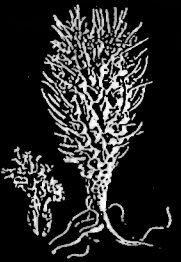
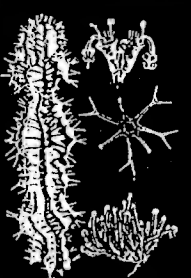
Ted & Marilyn Alford (*ceramics*), Betty & Brent Athy (*plants*), Joey Betzler (*computer photo art*), Michael & Joyce Buckner (*plants and "Tex Buckner" ceramics*), Dorothy Byer (*plants*), Ed & Debe DeLollis (*plants*), Carl Dykema (*plants*), Chuck Everson & Jerry Williams of Rainbow Gardens (*plants and books*), Phil Favel (*ceramics*), Phyllis Flechsig (*plants*), Kenny & Gloria Graham (*plants & bonsai pots*), Joe Kraatz (*plants*), Rudy Lime (*plants*), Woody & Kathy Minnich (*plants*), Noel Enterprises - new members - no names? sorry (*tillandsias*), Renee & Brian O'Connell (*plants*), Joe & Kay Quijada (*plants*), RSVP - Steve & Rowena Southwell (*plants*), and Joe & Carol Wujcik (*ceramics*).

Page 10

A Job Well Done!!!

Thank You * Thank You * Thank You * Thank You * Thank You

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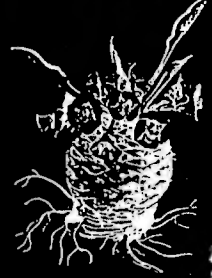
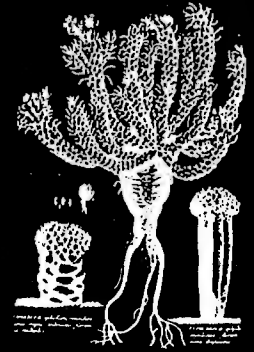
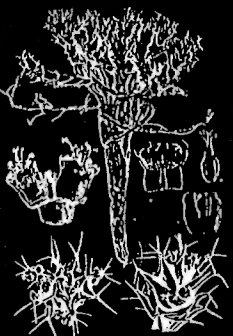
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CACTUS OF THE MONTH

ESCOBARIA

BY RIC NEWCOMER

The genus *Escobaria* was erected in 1923 by Britton and Rose. *Escobaria* was named in honor of Brothers Romulo and Numa Escobar. Both were authors around the turn of the century.

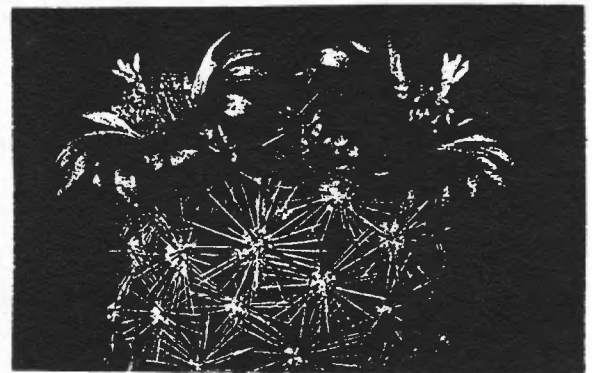
Eight species of cacti with small spherical or cylindrical bodies are usually freely off-setting. They come from wide areas of northern and central Mexico, including New Mexico, Texas, Arizona, Nevada, Oklahoma, Kansas, Utah, southwest Arkansas, western Louisiana, Colorado, North Dakota, Minnesota, Montana, California, Missouri, Canada and Cuba. In the last 10 years several *Coryphantha* have been moved over to *Escobaria*, but again this depends on which author you want to believe.

There have been several new fresh discoveries over the years, bringing the number in this genus up to 16, according to Ian Lawrie in 'Coryphantha and Associated Genera'. However, Nigel Taylor, in the identification of *Escobarias*, puts the number at 18, with 22 varieties. I have been collecting *Escobarias* for about 30 years and I have 23 that have been identified as *Escobaria* which include *Coryphantha vivipara*, which Nigel Taylor believes should be in *Escobaria*, and I agree. *Escobaria* seem to be much closer to *Mammillarias* than *Coryphantha*. Two species of *Escobaria*, *E. chihuahuensis* and its vicariant *E. henricksonii* provide a clear connection with *Mammillaria* as they produce flowers from the sides or shoulder of their stems (in other species they arise very near the growing apex).

Escobarias are densely spined and can withstand any amount of sun heat in summer, and since most come from high elevations they will also withstand cold over winter provided the compost is allowed to dry out completely. A well draining mixture must be used. We use a mixture of 50% super soil, 50% perlite, with gravel added for good drainage. When watered (from April to October) trace elements are added to keep the PH value around neutral.



E. chihuahuensis



E. henricksonii



E. robbinsorum

Escobaria, cont'd.

Escobarias are wonderful little plants. Don't expect fast growth, do expect losses, water light, lots of good light, cold nights, and what I like about *Escobaria* is that most come from our own states. You can go out and see them in their own environment and terrain. Don't expect them to just stand out, you have to look for these little plants in the rocks, grass and on the sides of hills.

Many *Escobarias* are endangered and due to the emphasis on succulents today, many growers are not producing cacti like they used to, and our native plants always seem to suffer. You will have to get *Escobarias* from collectors or go to New Mexico where Mesa Verde Gardens will have a few plants for sale.

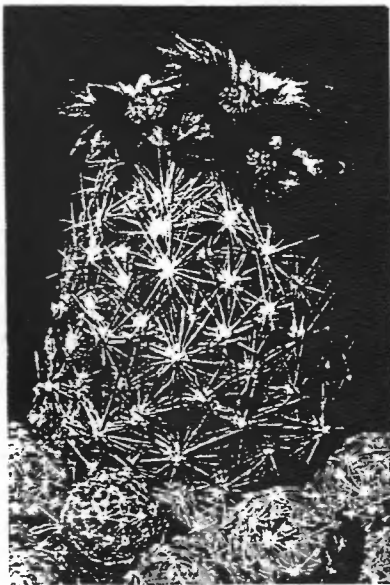
The following is a list of the *Escobarias* I know and have.

- | | |
|--|--------------------------------|
| <i>E. albicolumnaria</i> | <i>E. roseana</i> |
| <i>E. alversonii</i> - vivipara (Coryphantha?) | <i>E. dasyacantha</i> |
| <i>E. bella</i> | <i>E. vari-color</i> |
| <i>E. neobesseyia</i> | <i>E. hesteri</i> |
| <i>E. sandbergii</i> | <i>E. bisbeeana</i> - vivipara |
| <i>E. strobiliformis</i> | <i>E. varicolor</i> |
| <i>E. hanricksonii</i> | <i>E. organensis</i> |
| <i>E. orcuttii</i> | <i>E. texensis</i> - vivipara |
| <i>E. minima</i> | <i>E. leei</i> |
| <i>E. missouriensis</i> | <i>E. chlorantha</i> |
| <i>E. sneedii</i> | <i>E. muehlbaueriana</i> |
| <i>E. sp.</i> - unnamed | |
- found near Cochise, AZ - 1991

References:

Taylor, Nigel. Escobaria. British Cactus & Succulent Society. 1986

Lowrie, Ian. Coryphantha and Associated Genera The Mammillaria Society. 1988



E. sneedii var. *sneedii*



E. hesteri



E. emskoetteriana

Per Ho-Yin Liu in *SYSTEMATICS OF AEONIUM*, "The genus possibly originated in northern Africa during the Tertiary and reached Macaronesean islands from Moroccan coast at a time when the ancestral populations were widespread. The formation of Sahara desert during the Pleistocene may have caused its present disjunct distribution."

Every source I checked varied in the number of species. Thirty-six or thirty-seven seems to be the general consensus. Aeoniums hybridize readily; there are at least 65 established hybrids. There are several closely related species, including *Aichryson*, *Greenovia*, *Jovibara*, and *Monanthes*. With the taxonomy problems among the specialists, it is little wonder that I am monumentally confused. I offer further deliberation on six *Aeonium* species:

Aeonium haworthii — A free-branching shrub of soft green rosettes outlined in red with tiny teeth that can be felt more easily than seen. Abundant sprays of creamy-colored flowers appear in the spring; appreciates summer watering.

Aeonium sedifolium — This is the smallest leaved species commonly grown. Yellow inflorescence; leaves have red-brown stripes that become more apparent when grown in the sun. Foliage is sticky (*more so during the summer dormancy period*) and emits a somewhat unpleasant odor.

Aeonium lindleyi — A small bush with several meandering thin branches ending in small rosette. Thickened, slightly sticky, hairy leaves are roundish rhomboid to wedge-shaped and light green to olive green to dark green; lemon yellow flowers. Squeezed juice from the thick succulent leaves of this species is said to reduce the pain and irritation caused by euphorbia latex on skin, or especially if in the eyes.

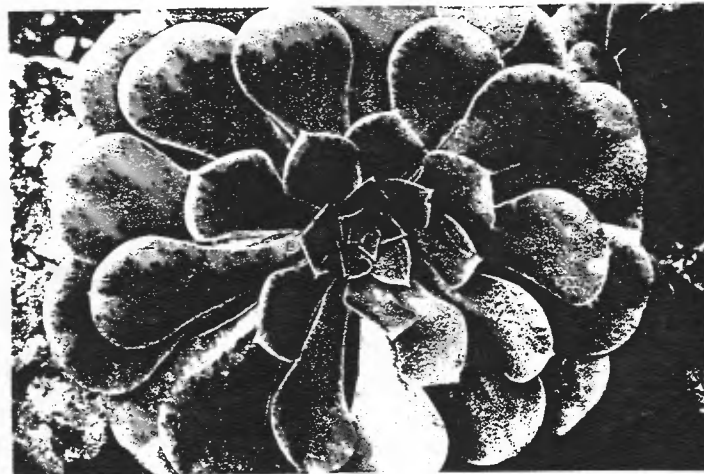
Aeonium canariense — This one has the largest rosettes in my collection — one measuring fifteen inches — a loner. These woody-stemmed plants hug the ground offsetting freely, and have a strange "old toe" odor. The cone-shaped inflorescence easily reaches twelve inches with creamy white to light green flowers. Leaves are an obelliptical shape tipped with a short sharp point (*mucro*), and covered with tiny hairs.

Aeonium percarneum — This is another freely branching shrub with four to five inch rosettes of light green foliage; edged in red with very small rounded teeth (*crenulate*) along the margins. Has a loose cone-shaped inflorescence with pale pink flowers.

Aeonium tabulaeforme — This is probably the most popular in shows. Common name is "Saucer Plant". A large flat rosette of up to twenty inches across grows singly on low stem. Green ciliate leaves overlap like a tiled roof. A tall branching inflorescence of yellow flowers appears when plant is several years old — much to its demise! Propagation is by leaf cuttings as well as from seed. Abbey Gardens Nursery carries a crested form of this species with fans of hairy-edged bright green leaves.



Aeonium glutinosum (Aiton) A Berger



Aeonium subplanum Praeger

With 37 species (*more or less*) and 65+ hybrids, horticulturists, nurserymen, and collectors naturally disagree on names. It has proved impossible for this volunteer to even confidently identify the varieties in her own garden. I hope that members will bring in Aeoniums that are in bloom, unusual, etc. And if you own a uncommon species and are relatively sure that it is correctly named, please bring it in to share with us. In particular I lust after the orange-red-copper flowering plants which, as yet, I have not seen, but only read about.

I have a dark green, narrow-leafed ground-hugger with yellow flowers in June, that I am hoping someone can identify, and a shrubby type with gray-green leaves loosely arranged on the outer edge and forming a tight rosebud in the center of the rosette; it bloomed in hues of golden — almost orange this June. Two other mysterious light green plants on spindly stems also bloomed this June: one exhibited white almost chartreuse flowers with long narrow petals; the other produced a floriferous pink inflorescence.

Aeoniums are capricious and distinctive. Grown in the garden or in pots they prove to be truly rewarding to collectors.

Resources:

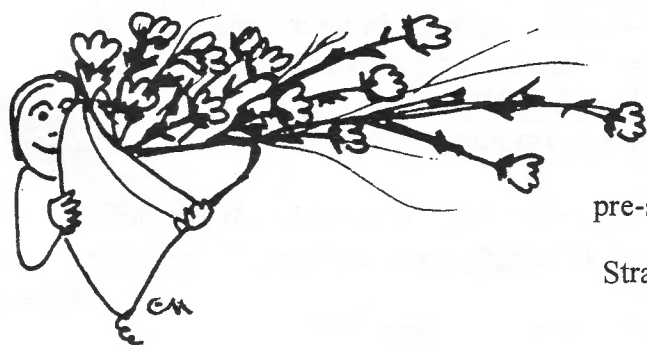
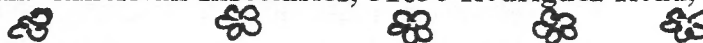
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- Ho-Yih Liu, **SYSTEMATICS OF *AEONIUM* (CRASSULACEAE)**,
National Museum of Natural Science Special Publication, #3, 1989.
- Roland Stewart Holt, **ORNAMENTAL PLANTS FOR SUBTROPICAL REGIONS**, 1958.
- Martha VanNess, **CACTUS AND SUCCULENTS - INDOORS AND OUTDOORS**, 1971.
- Victor Graham, **GROWING SUCCULENT PLANTS**, 1987.
- Scott Haselton, **SUCCULENTS FOR THE AMATEUR**, Abbey Garden Press, 1939.
- Alfred Graf, **EXOTICA**, (First Edition) 1978.



PLEASE BRING REFRESHMENTS FOR THE MANY SPECIAL VISITORS WHO WILL BE ATTENDING THE JULY MEETING!!

Giant Whitefly Infestation? Adult female whiteflies lay their eggs in a circular pattern on a plant's leaves, usually the undersides; the larvae remove sap from the leaves and excrete a sticky liquid. When the larvae mature dense colonies form on the undersides of leaves covering the plant with a cottony mass of waxy material; swarms of these adult whiteflies take flight when an infested plant is disturbed. Check your plants — especially those with big leaves, such as ficus, bombax, or hoyas. The whitefly is resistant to chemical treatment, so using pesticides has proven ineffective.

Cleaning your plants, particularly the undersides of foliage, with a forceful spray or plain water or solution containing insecticidal soap or horticultural oil can help. Keep checking the plants you have treated — a heavily infested plant may need treatment as often as once a week. Several beneficial insects have been released throughout coastal San Diego County. The predatory beetle, *Delphastus catallinae*, that was released by the San Diego County Department of Agriculture and the San Diego Zoo is available locally for release in your garden. These little black beetles (about 1/8 of an inch long) apparently feed on larvae of the giant whitefly. A package of 100 beetles can be purchased (\$19 plus tax and shipping) from: American Insectaries, 31030 Rodriguez Road, Escondido, CA; phone (760) 751-1436.



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Consider the Earth Yes, it is an Island.

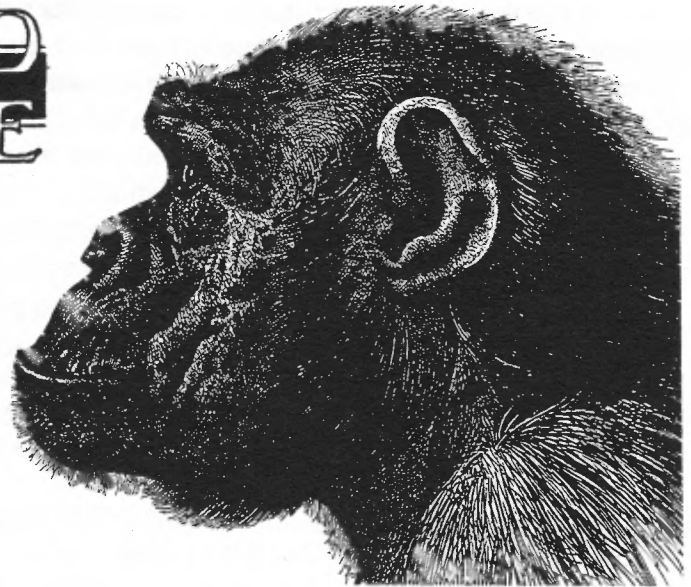
MICHAEL BUCKNER

WISE AND OTHERWISE

By Michael Buckner

**Cat sits in the sun.
Dog sits in the grass.
Turtle sits on the rock.
Frog sits on the lily pad.
Why aren't people so smart?**

DENG MING-DAO



Thoreau said that many men went fishing all their lives without ever realizing that fish was not what they were really looking for. Probably that applies to as many who come to Baja as it did to those who went no further than Walden Pond. And I am willing to admit that cacti and elephant trees may be to only a somewhat less degree, merely excuses. We come to see the world; and there is still a sizable minority who find the vanishing world, dominated by nature rather than man, one of the things most worth seeing. But in a world which sometimes seems to consist entirely of dilemmas we also are creating one. If too many of us want to see the unspoiled natural areas, we will spoil them.

Joseph Wood Krutch, *THE FORGOTTEN PENINSULA*, 1961; University of AZ Press.

When I was ten, we used to go to my grandfather's farm after the field had been plowed and collect arrowheads. Now it is a different story. I sense the transience of things. What to do with the mute remnants of our prehistoric and historic life — pottery shards, projectile points, grinding stones, petroglyphs, rock alignments? Let them stay! Collecting them is not only illegal, but pointless. The dusty artifacts moldering on a million mantles and in a million dresser drawers and in a million shoe boxes, in closets are adding little to anyone's life. Even museums can't use donated artifacts, collected without documentation. Capture them in another way! Photograph them, sketch them in you collector's notebook, muse over them, or write a poem about them on the actual site — take them back in your mind. But leave them. Toss them back under a bush, like the true fisherman who throws back the ones that are too small.

William K. Hartmann, *DESERT HEAT, CHRONICLES OF THE SONORAN DESERT*, 1989.

Manure makes excellent fertilizer.

Life has ordure.

Park directors in every state nominated their best park for National Geographic's new "Guide to the State Parks of the U.S." In California, Anza-Borrego Desert got the honors.

Diane Bell, *UNION-TRIBUNE*, June 12, 1997



WISE AND OTHERWISE

The *metate* lies by my foot, a dark, rock slab busted in half. There are pieces of pottery, worked edges of stone—over there is a *mano*. All around me is scattered the debris of an earlier people, the stamp of an earlier time. I am with a friend down by the Río Cuchujaqui and this is his land, his *rancho*. For an hour we have hopped on boulders across streams, waded under giant sabinos, watched butterflies flutter past our eyes. In town, he always speaks very carefully, as befits a man of his position. He is in his forties, his town house is splendid, and often he sits there watching the Los Angeles Dodgers play, the image sucked down from the heavens by his satellite dish. But out here, he bounds about like a child, with huaraches on his feet, and every time I touch a plant he instantly supplies a name, tells of a use. It is almost like he is introducing me to old friends.

He asks if I want the *metate*. Ah, the taking, the collecting, that demon deep within me, within us all. We must take to prove we have been there. We loot to assure ourselves it has all happened, to show others where we have gone and who we have been. I am tempted, but I say no. On my patio, the *metate* will be a stone. In time, I will forget exactly where I found it. And then in more time, I will forget that I even have it. Here it is still whispers of a world.

I am learning, slowly to be sure, but I am learning. My friend is part of what many consider the problem. His land by the river, it is not what we call natural. There is very little understory because his cattle eat it. They devour the homes of insects, the sanctuaries of birds. . . . They also munch down all those plants he keeps telling me about, those plants that make a dye, or cure a bad stomach, or fight a cold. He points and plucks up what looks to me like an undistinguished weed. This plant, he says, is excellent for clearing the sinuses, but only the young growing tips, he laughs. Take too much, he warns, and it can make you very ill, it can kill you. How did he learn the proper amount for a cure, I ask. Oh, he says, from his mother.

. . . We walk on, cross a small river, cut under a big fig tree, and climb up a hill. I ask him, as we stumble on, if those younger than himself, if the generation growing up, will know the plants as he does, know the uses and methods of the forest like he does. "No," he says, with no apparent problem, "they will learn other things. Perhaps, better things."

Charles Bowden from *The Secret Forest*, 1993; University of New Mexico Press, Albuquerque, NM.

I don't care to belong to any club that will accept me as a member.

GROUCHO MARX

El sol es la cobija del pobre.
The sun is the blanket of the poor.

Page 19

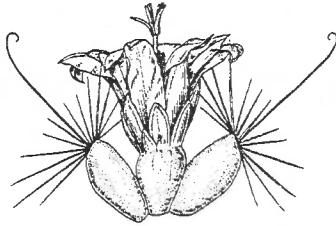
Dios les da el dinero a los ricos, porque si no lo tuvieran, se morirían de hambre.
God gives money to the wealthy because without it, they would starve to death.

MEXICAN PROVERBS

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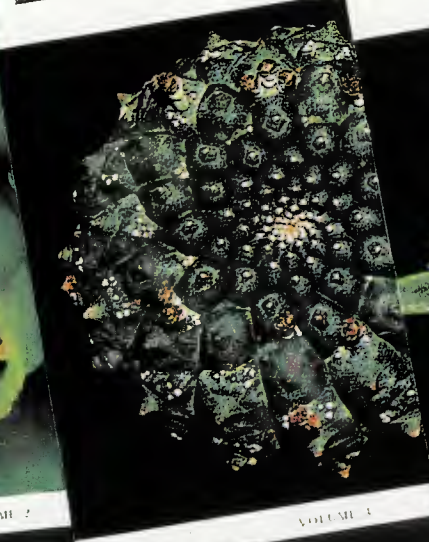
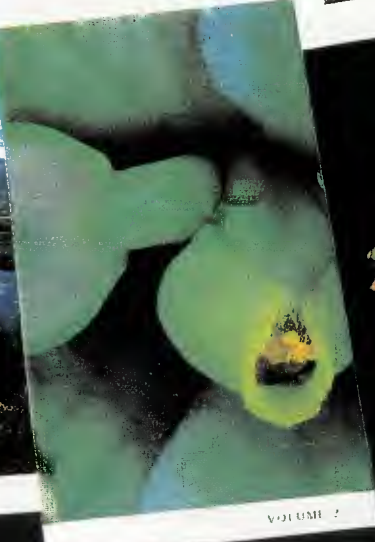
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