

Mammillaria thornberi

ESPINAS Y FLORES

Newsletter of the San Diego Cactus and Succulent Society, Inc.

Affiliated with the Cactus and Succulent Society of America

Volume 34, Number 8, Saturday, September 11, 1999 at 11:00 AM

CAROLI LINNÆI
S:Æ R:GIÆ M:ITIS SVECIÆ ARCHIATRI; MEDIC. & BOTAN.
PROFESS. UPSAL; EQUITIS AUR. DE STELLA POLARI; *
nec non ACAD. IMPER. MONSPEL. BEROL. TOLOS.
UPSAL. STOCKH. SOC. & PARIS. CORESP.

**SPECIES
PLANTARUM,**

EXHIBENTES
PLANTAS RITE COGNITAS,
AD
GENERA RELATAS,
CUM
DIFFERENTIIS SPECIFICIS,
NOMINIBUS TRIVIALIBUS,
SYNONYMIS SELECTIS,
LOCIS NATALIBUS,
SECUNDUM
SYSTEMA SEXUALE
DIGESTAS.

TOMUS I.

Cum Privilegio S. R. M:tis Sueciæ & S. R. M:tis Poloniæ ac Elektoris Saxon.

HOLMIÆ,
IMPENSIS LAURENTII SALVII.
1753.

Linnaeus (Carl Von Linne) 1707-1778

Linnaeus was a Swedish botanist and physician. At first he was a theological student, but when 23 years of age, he became Curator of the gardens of the University of Lund. From 1732 to 1738 he traveled in: Lapland, Holland, England and France, returning to Stockholm where he practiced medicine. In 1741 he became Head of Botany at the University of Upsala where he remained until his death.



By some he is considered to be the "Father" of Botany; by others the last of a long line of systematists which began with Brunfels two hundred years previously. His outstanding works were: Systema Naturae (1735), featured on the cover, Fundamenta Botanica (1736), Genera Plantarum (1737), Classes Plantarum (1738), Philosophia Botanica (1751). His outstanding characteristic was his power of description and systematizing. Bentham, his successor in taxonomy wrote:

“It was reserved for the master mind of the Swede to fix, by the establishment of genera and species, upon sound philosophical principles, a firm stage to serve as a basis and standing point for further progress and exploration. By his accurate description of genera and species he really made possible the subsequent generalizations of De Jussieu and De Candolle.”

He is credited with the establishment of the binomial nomenclature and with having replaced the long-winded and confused descriptions of the herbalist by clean and succinct description. He did not invent the binomial nomenclature as the beginning of the idea is found in Theophrastus. He is also primarily associated with the so-called sexual system of classification. He employed the numbers of the stamens and carpels or more accurately the styles as a convenient method of grouping plants together.



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

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Phone (619) 462-1805 e-mail eyf 2000 FAX

Newsletter submissions are due before the 14th each month

Unless other arrangements are made

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PRESIDENTS MESSAGE FOR SEPTEMBER 1999

Don't forget it's time again for our annual September picnic. This year's picnic will be held at Mission Bay on Saturday, September 11, 1999 – it **starts at 11 AM**. The location is a beautiful hidden spot on Mission Bay with easy parking, shade, restrooms and a nice ambiance. This is a potluck affair, show-off those culinary skills please bring a main dish, side dish or dessert to feed 6 to 8 people. The club will provide beverages and paper goods such as cups, plates, napkins and cutlery.

Two **LARGE SUN TARPS** will be provided. This location affords a beautiful view of Mission Bay. There will be shade, easy access to restrooms, parking and a great walking trail. Bring chairs, sunscreen and a desire for a great afternoon.

What a wonderful July program! Gary James gave an excellent presentation on the wonders of Soqotra – it was extremely informative. What a privilege it was to see such a rarely visited habitat. It was, as the previous newsletter stated, “a program not to be missed!”

I would like to thank all of our members for bringing their **FAVORITE PLANTS** each month for our Brag Table. Beauty is in the eye of the beholder. A special thanks to Kelly Parrott for the gorgeous *Copiapoa tenuissima* monstrose. Keep bringing those beauties in for all members to enjoy.

Please join me in acknowledging Lee Badger this month for putting out a great spread all on his own – the coffee was outstanding! I'd also like to extend a special thanks to Jeff Harris, Greg Wade and Joe Kraatz for their diligent work in the plant sales area.

Board of Directors positions are up for vote and the club is soliciting all of those whom are looking for a little prestige, glory and piZZaZZ (ha ha) in their lives. This is a two year term and members meet once a month with the officers to conduct club business. If you can possibly imagine yourself in this spirited role please contact one of the **NOMINATING COMMITTEE** members:

Stan Yalof (760-743-1560), Susan Hopkins (858-272-8897) or Jeff Harris (858-294-5708). The elections will be held in November.

MINUTES OF THE MONTHLY MEETING - Held August 14, 1999

The meeting was called to order at 1:10 PM in Room 101, Casa Del Prado, Balboa. The following announcements were made:

September's monthly meeting is the clubs **ANNUAL PICNIC**yum yum yumwhere there's lots of good food, company and a wonderful Plant Auction. So remember, instead of our usual meeting at the Casa del Prado in RM 101 on Saturday September 11th it will be replaced by our annual Picnic. Look for **directions/location** on the inside back cover of this issue (page 11).

Plants of the Month

The Cactus of the Month, Saguaro Fruits, was presented by a very elegantly dressed Virginia Innis. We missed out on Alex's offer of “fried worms”maybe next time!

The Succulent of the Month, Epiphytic Succulents of the Americas, was presented by Gary Noel. Gary did an outstanding job – thank you.

Gary James, our Guest Speaker, presented the Brag Table plants and awarded the following members prizes:

Brag Plants

- **SUCCULENT:**

1st Place went to Don Patterson for his *Gasteria armstrongii*.

2nd Place went to Kelly Griffin for his *Aloe ferox* × *A. arborescens* a variegate as well as a hybrid.

3rd Place went to Lee Badger for his *Tylecodon buchholzianus* and to Jeff Wright for his Miniatures Collection.

- **CACTUS:**

1st Place went to Pam Badger for her *Borzicactus icosagonus*

2nd Place went to Jeff Wright for his “Crested Unknown”!

3rd Place went to Don Patterson for his *Echinocereus laui*.

Tom DeMerritt pointed out the excellent selection of Benefit Drawing plants and urged members to purchase tickets.

Calendar of Upcoming Events

— 1999 —

■ September

- 13 San Diego Horticulture Society meeting. Topic: Royal Botanic Gardens, Kew, by David Cook, Info. 760-630-7307 or srtopiary.com/sdhortsoc.html
- 18 & 19 C&SS of California Shoe and Sale, Lakeside Garden Center, Lake Merritt, 666 Bellvue, Oakland CA.
- 21 Calif. Native Plant Society meeting, Tuesday at 7:30 PM, Topic: Native Gardening in Southern California, Info. 619-685-7321 or www.san.rr.com/cnpssd
- 25 & 26: Del Mar Orchid Show and Sale (formerly Quail Garden Orchid Show) now at the Del Mar Fairgrounds; Sat 9:00 - 5:00; Sun 10:00 - 4:00. Admission to Orchid Show is free; parking is

■ October

- 16 & 17 Orange County C&SS Show & Sale, Fullerton Arboretum.
- 23 & 24 San Gabriel Valley C&SS Winter Show, Arboretum of Los Angeles County, Baldwin Av., Arcadia CA. Info. Woody Minnich 805-944-2784
- 23 & 24 C&SS of Tulsa Show & Sale
- 26 - 30 First Congress of Latin America and the Caribbean & Second Mexican Congress C&S Plants, Oaxaca, Mexico. Info. cactus-mall.com/congress.html or e-mail gmanzanero@vmredipn.ipn.mx

— 2000 —

■ February

- 25 - 28 Southeastern Conf. Info. SFCSS Inc, PO Box 161407, Miami FL 33116, e-mail sflacactus@aol.com

■ March

- 21 Midwest C&SS Show & Sale, Botanical Garden of Greater Cleveland, Noon to 5 PM Info. Penny Chaikin, 216-381-2525, 1556 Sheffield Rd., South Euclid OH 44121

■ April

- 8 - 16 CSSA Tour 2000, a field trip to the Big Bend, TX region. Info. Borderland Tours, 2550 W Calle Padilla, Tucson AZ 85745, 800-526-7753.

■ May

- 5 - 7 Sonoran 3 Conference, Tucson C&SS, info. Cactus Carol Clapp, e-mail kitfox@azstarnet.com, fax 520-908-0396.

■ July

- 1 & 2 CSSA Show & Sale, Huntington Botanical Gardens, 1151 Oxford Rd., San Marino CA

■ September

- 2 Huntington Symposium, Huntington Botanical Gardens, 1151 Oxford Rd., San Marino CA. Info. 626-405-2160 or 2277

— 2001 —

■ July

- 1 & 6 CSSA Convention, Los Angeles CA.

■ September

- 1 Huntington Symposium

FOR MORE C&S INFO. SEE: WWW.CACTUS-MALL.COM/CSSA/EVENTS.HTML OR WWW.CACTUS-MALL.COM/EVENTS.HTML

The Monthly Benefit drawing

I would like to thank the following donors for the August drawing: **Elibet Marshall** for a *Fockea tugelensis*, **Carol Jean Wolcott** for an *Agave bracteata* and *Monadenium magnificum*, **Jeff Wright** for two handmade ceramic pots.

Kay Quijada

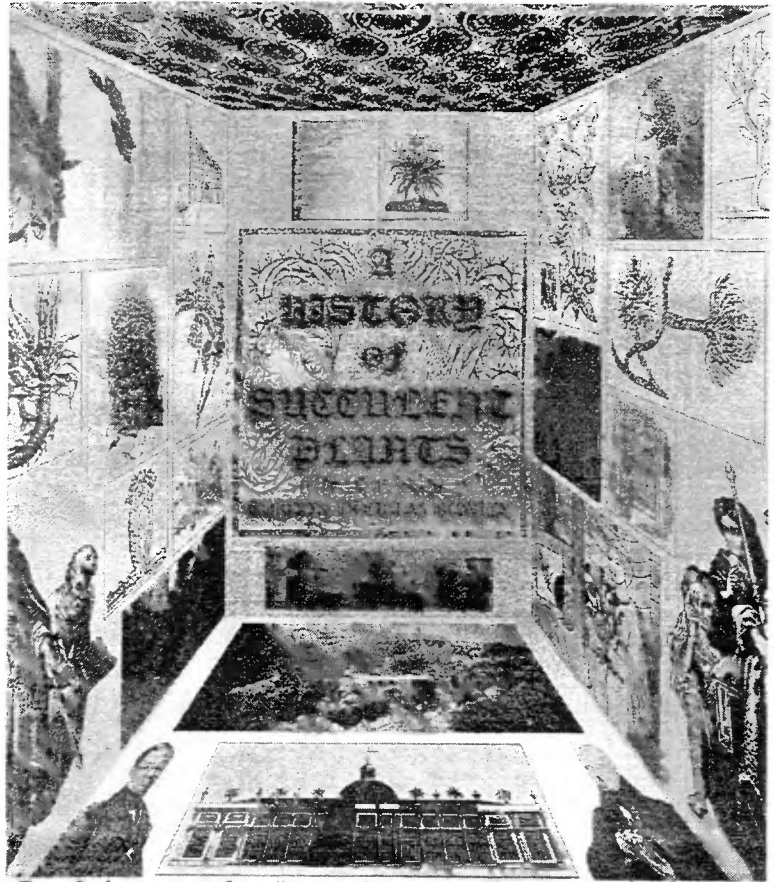
Thanks again to all involved and call Betty Athy at (619) 469-7647 with any donations for October.

A Book Review by Ed DeLollis:

A History of Succulent Plants by Gordon Rowley PUBLISHED BY STRAWBERRY PRESS, 1997, 409 PAGES

When I was in college, before I changed my major to plant & soil sciences for practical reasons, I was a history major. Since I was a young boy I have been a fanatical history buff. When I heard that Rowley was working on this tome, I told my wife that I had to have it, so I received it as a gift for Christmas in 1997. Now that I have read many of its 24 chapters, I realize it will still be relevant in 2097. How could anyone attempt a work of this immense scope?

Gordon Rowley has written a number of successful books on more specific subjects (i.e. the Caudiciform Book). Rowley was uniquely equipped and qualified for this gargantuan task. A botanical lecturer and explorer, his personal library contains over 60,000 books, mostly on plants. He especially enjoyed collecting books on succulents, but ended up writing the ones needed to fill the gaps. It seems *A History of Succulent Plants* has filled all the gaps from fossilized *Opuntias* to the current chromosome craze that has evolved in nomenclature.



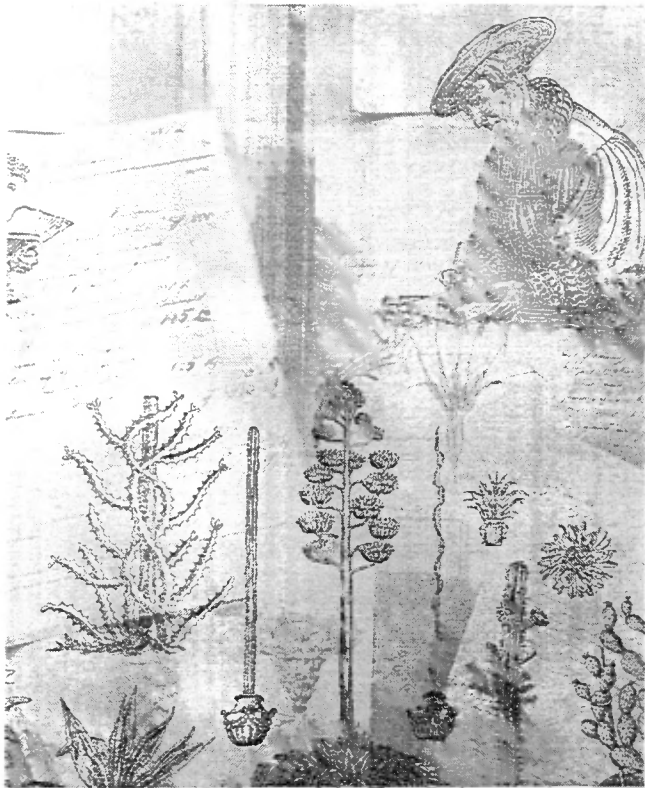
Dust Jacket cover of *A History of Succulent Plants* by Gordon Rowley

Succulent plant history gets started with the likes of Dioscorides, Theophrastes, and Pliny who recorded such exotics as *Kalanchoe* and *Euphorbia* in their lists of plants. With the advent of heated glasshouses, succulents collected from the warmer regions of the earth could be grown in the cooler countries of northern Europe. Plants collected as curiosities or for their aesthetic beauty signaled the start of horticulture, separate from agriculture, growing plants for food. Herbals were books printed with pictures of plants that had been found in the New World or on the African continent and which were considered to be exotic. Rowley includes many of these early botanical paintings and drawings in the book and we can see why the wealthy wanted to collect these novelties for their greenhouses.

One phenomenon that was of particular interest to me, was that during the seventeenth and eighteenth centuries it was the rage in Europe to plant *Agave americana* in your garden and have it come into magnificent bloom amid elaborate celebrations and commemorations! During the 1600's, herbalist slowly gave way to descriptive botany. Men like Richard Bradley (for whom the British succulent journal, *Bradleya*, is named) collected and wrote about vast numbers of cactus and succulents, bringing them to the attention of the Europe of the 1700's.

Two of the most exciting chapters of this book are devoted to Carl Linnaeus of Sweden. His life's work took botany from a state of confusion and left us with a system for classification and naming of plants. Rowley explains that although Linnaeus was "the father of lumpers", he gave us binomial nomenclature and this is the foundation upon which botany now rests.

After Linnaeus, the book really takes off with a parade of contributors doing their stuff; explorers, collectors, scientists using microscopes, writers, artists, growers and philanthropists all interwoven with an abundance of illustrations. The many in depth biographies add up to a very thorough history by Gordon Rowley. Nathaniel Britton and Joseph Rose are only two of more than three hundred people



Back Cover of the Dust Jacket

who are included in the makeup of this epic succulent saga. A fascinating account of how their famous monograph *The Cactaceae* rocked the botanical world is told in Rowley's crisp and witty British style.

Do you know how cacti got their name? Rowley tells the story. Did you know that *The Cactaceae* by Britton and Rose owes much of its power and impact to English artist Mary Eaton? She was responsible for most of the 107 superb color plates in the four volume work. Well, these are just a few of the thousands of fascinating details contained in this thoroughgoing history.

I have already given away enough information...you will have to read it to learn more. A History of Succulent Plants is a great foundation book for any library, and of course, the San Diego Cactus and Succulent Society has it! Club members may borrow this terrific tome, but I implore anyone serious about cactus and succulents to buy their own copy. Chuck Everson of Rainbow Gardens Bookstore tells us he always keeps plenty of the books in stock because it is an important work and has sold well since it first came out. For my own part, I will continue to extract pleasure from this volume as long as my eyes function.

Bravo Gordon Rowley! Bravo!

FOR YOUR INFORMATION FYI

- ☼ Joe Kraatz has volunteered to fill a vacancy on the Board of Directors Thank You Joe.
- ☼ Club Members: Betty Athy, Michael Buckner, Madelyn Lee, and Rudy Lime judged or spoke at the 14th Annual Inter-City Cactus and Succulent Show.
- ☼ "Name this succulent!" is a new plant quiz that we are trying out. It will appear in every other issue to test your skills at identifying succulents. You will have to make your entries in person at the meeting (this month it will be at the Picnic). The first correct entry selected at random will win a prize of five benefit plant drawing tickets. These rules may change a little and the Editors are not eligible.
- ☼ Don't forget, there is a nominations committee for the selection for new directors. If you are interested in running please let them know. For more details on the committee, see the Presidents Message on page 3.
- ☼ Did you see the announcement that we are having a Picnic instead of our monthly meeting? Well, we are having one ... so don't show up at our usual place. See the Map on page 11 for details. Please come and enjoy the fun, this picnic is for YOU.
- ☼ Welcome new member John Noble of San Diego!
- ☼ Volunteers are needed for the WAP Baja Garden, call Joey at 858-569-8510.



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PARRY'S PLANT FINDS IN NEW CALIFORNIA

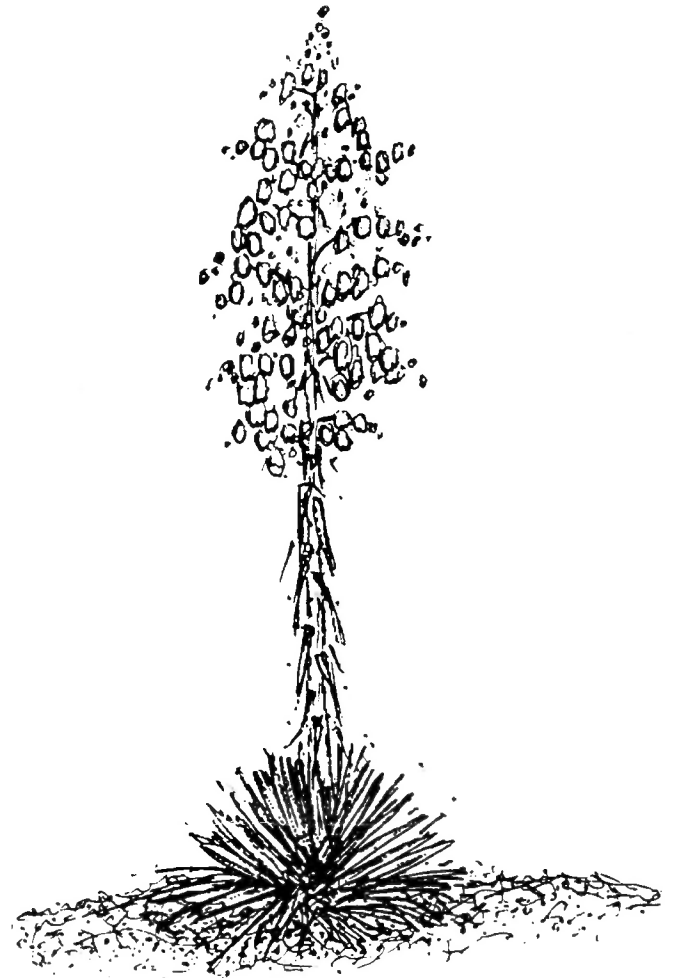
by Paul R. Maschka, with illustrations by the author

Many of the world's most famous early botanists were also successful: geologists, engineers, teachers, soldiers, doctors or even clergymen. They often left a high paying career behind to follow and fulfill their desire of discovery and the natural sciences. Given the opportunity of exploration and adventure they made a choice to leave their secure, profitable and somewhat easy professions for the thrill of the unknown. Living for months even or years in the most harsh of environments and extreme conditions.

In 1849, a twenty-six year old Charles Christopher Parry born in England in 1823 was hired by Major William Emory. Emory, of the



Nolina parryi PARRY'S BEARGRASS



Yucca whipplei "OUR LORD'S CANDLE"

Corps of Topological Engineers, chose Parry on the recommendation of Dr. John Torrey professor of chemistry at both the college of physicians at New York and Princeton and the senior authority on botanical taxonomy. Parry already had a successful medical practice but had no reservations in leaving his practice to pursue plant explorations. He always dreamed of going to the southwestern U. S.. The purpose of this mission was to determine the boundary of California, newly purchased from Mexico.

Parry's official title was "Assistant Surveyor and Computer" [computer had a different usage in 1823 ed.]. His tasks were to include: collection of plant specimens, geology notes, record weather data and act as physician for the military regiment that accompanied them. Parry was ultimately assigned to the third team of the command under lieutenant Amiel Whipple.

continued from previous page

Whipple and Parry's group explored and traveled through much of San Diego County. Places we now know as Ramona, Point Loma, San Luis Rey and Del Mar. Along the coast and into the foot hills were among the areas Parry botanized.

Dr. Parry was described by all who new and worked with him as a very amiable and fair man with a high regard for friendship. He named many of his plant discoveries in tribute of his friends and mentors.

He discovered over thirty new plant species in San Diego County, many are familiar and famous. The picturesque Torrey Pine (*Pinus torreyana*), which is among the rarest pines in the world, is still enjoyed by visitors to Torrey Pines State Park and Preserve. This tree is named in honor of his friend and former teacher Dr. John Torrey.

Dr. Parry is also honored by the naming of the Parry Grove at Torrey Pines State Reserve. A beautiful trail that meanders through dense coastal sage scrub. Habitat which includes some breath taking vistas of the Pacific coast line. Pacific Bottle Nose Dolphins and migrating Grey Whales are some of the most favorable sights.

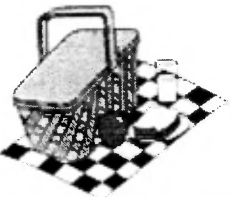
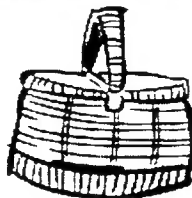
The grand, Our Lord's Candle (*Yucca whipplei*), named after his comrade Lt. Amiel Weeks Whipple. *Bergerocactus emoryi*, the bizarre Golden Snake Cactus, bears the name of Major William H. Emory. Among his other botanical contributions were: *Agave parryi*, *Cereus emoryi*, *Jepsonia parryi*, *Mirabilis californica*, *Opuntia parryi*, *Delphinium cardinale*, *Phacelia parryi*, *Baccharis emoryi*, *Penstemon parryi*, and *Agave shawii*.

Eighteen forty-nine was the year of the California gold rush. While herds of people were racing for monetary riches a few men like C. C. Parry found themselves newly discovered botanical treasures and floral gems.

EvF



Agave shawii "SHAW'S COASTAL AGAVE"



We are going to have a PICNIC and PLANT AUCTION at Mission Bay in the cool shade!

This is our annual picnic and fund raiser. There will be an auction that will benefit the club and a pot luck meal.

See Page 3 and 11 for more details on this fun event.

Hope to see you there!

All the World's a Stage, and Cactuses...er...Cacti — Those Spiky Things — Merely Players

TEXT BY GENE PERRET • ILLUSTRATION BY MAURICE LEWIS

It's interesting driving into Arizona's Sonoran Desert. 'The saguaros seem to entice you in. First you spot an isolated saguaro or two. Then you spot clumps of them. Soon they dominate the landscape.

On a recent motor trip along Interstate 10, my wife commented on them. "Aren't the saguaro cactuses beautiful?"

"Yes," I said.

She asked, "Do you use 'cactuses' or 'cacti'?"

I told her, "I don't use either."

She said, "Well, if you see three beautiful saguaros in the desert, and you want to write about it, how do you say it?"

I say, "I saw a beautiful cactus today And right next to it were two more just like it."

She said, "Well, I say cactuses, and I love them. I find them very entertaining as I drive along. It's almost as if they were actors out there in the sand putting on a little play for us."

I said, "Do you want me to drive for a while?"

She said, "No, I mean it. For instance, look at that one over there. Do you see it?"

There were hundreds of cactuses in the area she had indicated. Or to be grammatically evasive, there was one cactus over there and 99 others just like it. I said, "Which one?"

She said, "The one with its two arms raised heavenward."

They all seemed to have two arms raised heavenward, but I said, "Yeah, I see it."

She said, "It looks just like a Jesuit reciting his morning prayers."

I said, "Are you sure you don't want me to drive for a while?" I had seen in some John Wayne movies how the desert sun can drive you insane.

She said, "Doesn't it look

like a Jesuit praying?"

I said, "No."

She said, "It does."

I said, "First of all, priests wear long black robes not green robes with sharp needles sticking out all over them. Second, it's now 3:30 in the afternoon, why is he saying his morning prayers? Third, why is he a Jesuit?"

My wife said, "Just because it makes the image more vivid. Use your imagination. C'mon, you pick out a cactus and tell me what you see."

I said, "Ok. See that big clump over there on the right?"

She said, "Yeah."

I said, "That's a group of Benedictine monks."

She said, "Now you've got it. And what are they doing?"

I said, "They're all saying, 'Let's go get that Jesuit for invading our turf.'"

She said, "Honestly, now. You're just being a wise guy C'mon, play along with me."

She pointed out another interesting saguaro. "Over there," she said. "There's one with his two arms out and pointing downward."

"Yeah? What's that?" I asked, trying to sound as if I cared.

She said, "That's an umpire in a baseball game. It's a close game, the runner is trying to score, and that saguaro is the home plate umpire who's calling him 'out.'"

I said, "That's interesting."

She said, "Then you can visualize it?"

I said, "Sure. But I'll tell you who I really feel sorry for."

She asked, "Who?"

I said, "The poor baseball player who had to slide into home in a field full of spiky things. That poor boy will be pulling thorns out of his bottom from now until the World Series is over."

My wife said, "You have absolutely no soul, do you know that? There is a beautiful pageant being played out there in

the desert, and you're refusing to see it."

I said, "I see gorgeous plants and flowers, but I don't see praying priests who might be knocked over by baseball players sliding through their monastery"

She wouldn't surrender. "Look at that tall, straight saguaro over there."

Again, most of them were tall and straight.

She said, "His arm is bent up and back toward his head."

I said, "Yeah." No enthusiasm.

She said, "He's a soldier blowing taps for his fallen comrades. It's very touching."

I ruined the moment by pointing out that the 'soldier' had no 'bugle' in

his 'hand' and also by noting that in all of history there has never been a war in which saguaros were drafted into the military.

My wife said, "Do you know there's a theory about the brain that the left side is used for practical things like doing math and thinking logically?"

I said I didn't know much about it, but I'd heard the idea.

She said, "And the right side of the brain is for imagination, creativity It's where daydreams and fantasies flourish."

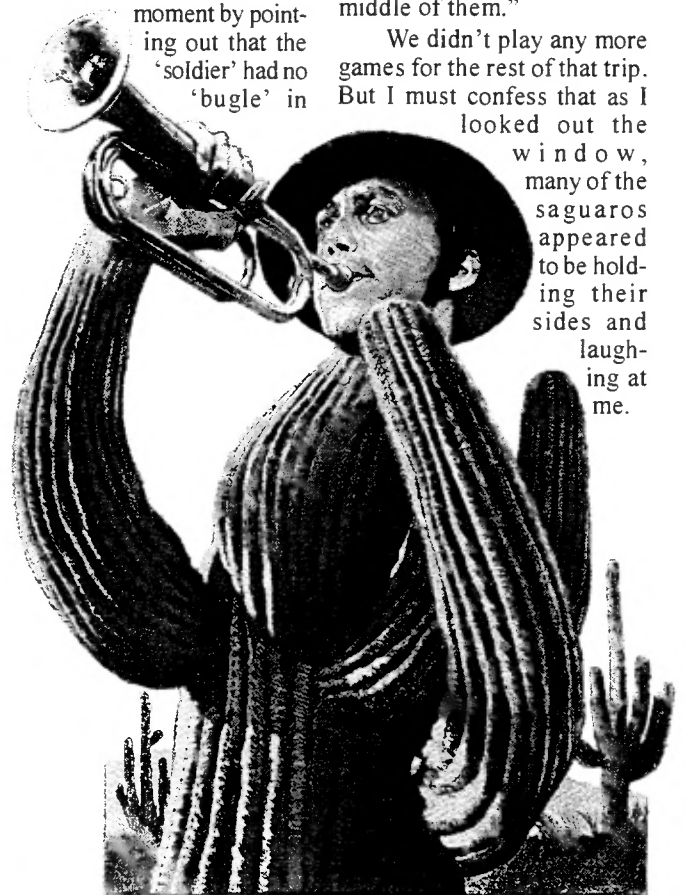
I said, "Yeah?" knowing more was coming.

She said, "Some people use the right side of their brain and some the left."

"So?" I said.

She said, "I think you use the crack that runs down the middle of them."

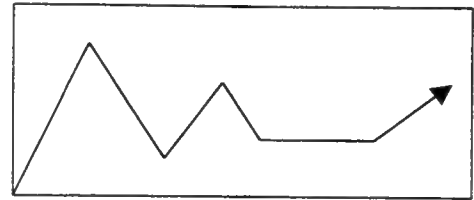
We didn't play any more games for the rest of that trip. But I must confess that as I looked out the window, many of the saguaros appeared to be holding their sides and laughing at me.



THIS ARTICLE IS REPRINTED WITH PERMISSION FROM ARIZONA HIGHWAYS, JUNE 1999, VOL. 75, NO. 6, PAGE 3

WHAT'S THE STATUS?

by Tom Knapik



TOPIC #2: *Ferocactus lindsayi* (Bravo & Hollis)

This plant was named by Bravo and Hollis to honor the great botanist and explorer George Lindsay. George wrote his Ph.D. thesis on the taxonomy and ecology of *Ferocactus* in 1955. Eight years later he left San Diego and became the Director of the California Academy of Science in San Francisco. Discovered in 1964, it was not until 1966 that this relatively small, beautiful, new plant was described in "Cactaceas" as *Ferocactus lindsayi*. Today it is one of the rarest of the genus for reasons unknown to me.

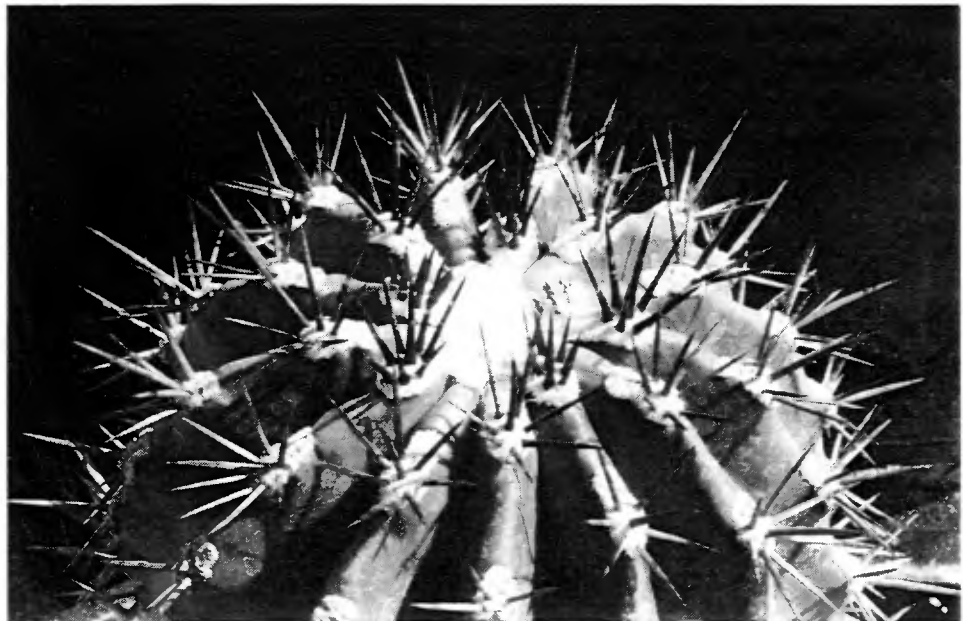


Ferocactus lindsayi in habitat

The type locality is along the lower course of the Rio Balsas River in the state of Michoacan, Mexico. It inhabits bare rocky cliffs and its observations have been published by Niall McCarten in the *Cactus and Succulent Journal* (1973 p. 104) and Nigel Taylor in *Bradleya* (1987 p. 95-96). I do not have any information about the current status of the population and would appreciate any correspondence on the subject.

Ferocactus lindsayi remains very rare in cultivation in the US. I know of only 3 plants in Southern California and 2 in Arizona. Efforts are underway to produce seed but have not been successful. With the number of seeds in one fruit and the relative ease of germination and growth of the genus, I'm surprised this plant is not common in cultivation. Since it is not legal to collect wild seed in Mexico, every step should be made to propagate *F. lindsayi* with the specimens already here. If you have any information about other plants in the US please contact me at, eyf2000@aol.com.

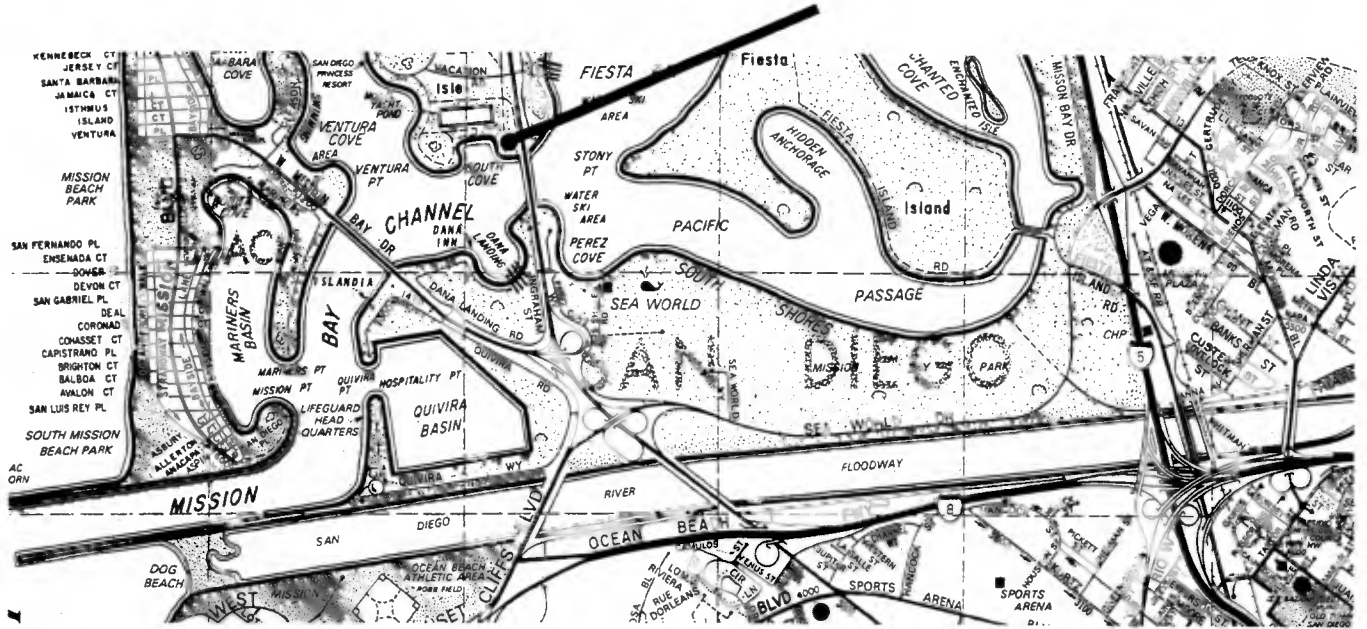
The European cactus community has the jump on all of us here. At one Italian collectors nursery I saw 6 baseball size seedlings originally purchased from Germany. Tissue culture is being attempted here in the US by Rancho Soladad Labs in southern California, but it is too early to tell how successful this form of propagation will be.



Young plant on loan at C& J Cactus Nursery

Note: I have received **no** information on topic #1: *Dorstenia gypsophila* and I'm concerned. Is the plant that rare? Please relay any information you may have.

THE PARTY IS HERE



DIRECTIONS TO THE PICNIC

From interstate 5 take the Sea World exit. » » Follow just past Sea World take the Ingraham St. off ramp. » » Slid over to the left lane and go 2 lights (past the 1st light you travel over a bridge). » » The second light is Vacation Rd, turn left (west). » » Turn at the very next left just in front of Paradise Point resort. » » Signs also show Youth Camp/ Model Yacht Pond. Stay to the left and go for 0.3 miles. » » Look for the signs and a couple of shade tents.



WERE GOING TO A HAVE
A PICNIC



A PICNIC!



Plant Auction – September Picnic Auction Rules & Guidelines:

In addition to the auction plants the club will be providing, members will be able to bring their own plants to auction. Any members wishing to participate must follow the guidelines below:

1. The club will receive a 25% commission (this funds your club) for any member plant auctioned.
2. A Silent Auction will be conducted where the plant owner may place a minimum bid on the plant. Silent auction plants must be presented with a bid sheet. Please tape a piece of paper to a piece of cardboard – this will act as a bid sheet. Clearly label the plant name and minimum plant bid at the top of this bid sheet. Bidders will write their name and bid amount on this sheet.
3. The Regular Auction will **not** allow minimum bids. Members can place a maximum of 3 plants in either category - Silent or Regular auction, (6 plants total).
4. Plants **must** be of Auction/Show **quality**.
5. Plants donated to the club will be GRACIOUSLY ACCEPTED.

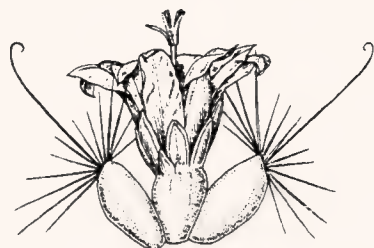
Note: the guidelines are intended to promote quality, speed up the auction as well as provide a fair process.

The San Diego Cactus & Succulent Society, Inc.
P.O. Box 33181, San Diego, CA 92163-3181

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Mammillaria thornberi

ESPINAS Y FLORES

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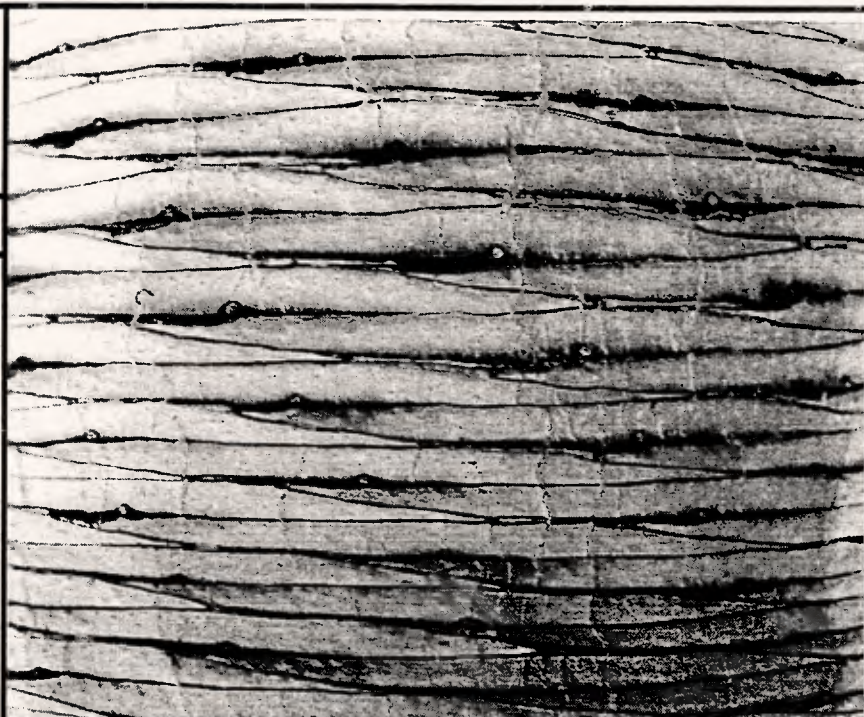
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Name this succulent! Try out our new contest. Drop your guess at the picnic.

See rules in *EF* inside for details.

The SAN DIEGO CACTUS AND SUCCULENT SOCIETY, INC. is open to all persons interested in growing cacti and other succulent plants. Meetings are held the second Saturday of each month (except June, Sept. and Dec.) at 1:00 PM in room 101, Casa del Prado, Balboa Park. Executive Board meetings are open to all members; call any officer or director for the time and location. Annual dues are \$10.00 per single member per year, \$5.00 for each additional member within the same household. Single copies of *Espinas y Flores* are \$1.00 per copy sent within the USA; foreign subscriptions are \$25.00. Affiliated with the CACTUS AND SUCCULENT SOCIETY OF AMERICA, INC. SDCSS Web Page available soon please stay tuned for address.