

Espinas y Flores

PROUD TO BE A MEMBER, EAGER TO PARTICIPATE!!

MAMMILLARIA THORNERI

NEWSLETTER OF THE SAN DIEGO CACTUS AND SUCCULENT SOCIETY

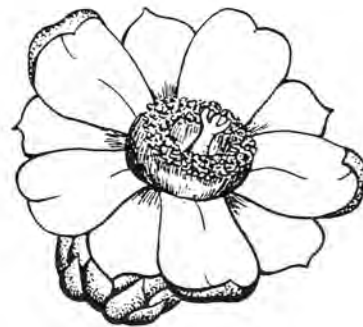
Affiliate of the Cactus and Succulent Society of America, Inc.

VOLUME XXXI NUMBER ONE, SATURDAY, JANUARY 13, 1996 @ 1:00PM

Flower Forms



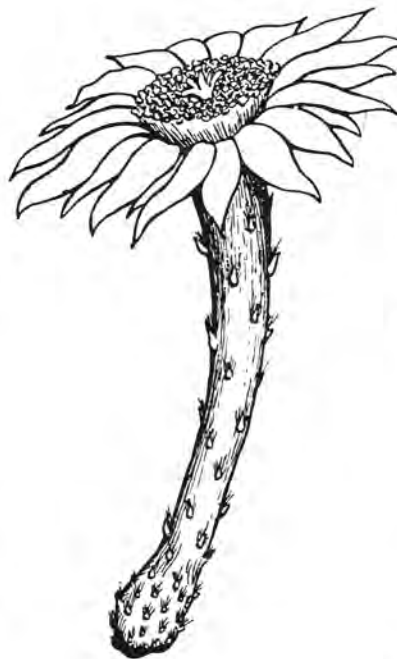
Campanulate



Rotate



Tubular



Salverform



Funnelform



Pyriform



Cylindric

© T. M. Bock

Marshall and Bock — The Cactaceae, 1941

JANUARY PROGRAM: CHUCK EVERSON TAKES YOU ON "A TRIP TO SAN MIGUEL DE ALLENDE, MEXICO AND CANTE"

In January of 1993, the Cactus and Succulent Society of America Board of Directors and Officers were invited to conduct their board meeting in San Miguel de Allende, and officially assist with the dedication of Cante. Cante is the new Botanic Garden in Mexico that Charles Glass (the former editor of the CSSA Journal) has been instrumental in establishing. For a week these guests enjoyed the sights and sounds of this beautiful 500-year-old city. A field trip to the mountains of San Luis Potosi was made, where these lucky succulent enthusiasts were able to see first-hand the incredible new *Aztekium hintonii* and *Geobintonia mexicana* in habitat!

Chuck Everson, a CSSA Board Member, took enough slides for a remarkable slide show which will make us all want to visit this magnificent part of Mexico, including, of course, Cante.

Chuck has been a member of the CSSA Board for four years now. He is also active locally with the San Diego Cactus & Succulent Society, the San Diego Epiphyllum Society, and the San Diego Hoya Group. Chuck serves on the Board of the International Hoya Association.

Most of you know Chuck Everson, as he and Jerry Williams own and operate Rainbow Gardens Nursery / Bookshop in Vista. Each year the presence of their book tent at our annual June Show & Sale adds educational substance and a genuine touch of class to the SDC&SS Show. These gentlemen work very hard hauling box after box of heavy books for a two-day sale — we, as a club should always thank and acknowledge them — though sometimes we take this convenient resource for granted. Their bookstore has just about every cactus book in print and many fine Botanical books that are out-of-print! Rainbow Gardens Nursery is primarily a mailorder nursery specializing in an amazing assortment of Epiphyllums, "Orchid Cacti", and Hoyas. Should you wish to visit this nursery in person, it would be wise to call ahead as their hours vary with the season.

Rainbow Gardens Nursery / Bookshop is located @ 1444 E. Taylor Street, Vista, CA 92084; telephone (619) 758-4290, fax (619) 945-8934. They have a terrific catalog.



Don't let the short days and post Holiday Blues get you down!

BECOME A VOLUNTEER HORTICULTURIST TOUR GUIDE AT BALBOA PARK.

Free walking tours are conducted every Saturday beginning in 1996 mid-January. The City of San Diego Park & Recreation Department is looking for volunteer Horticulturists to give these tours. The **Desert Walk** will be the fourth Saturday of each month. The History Walk is on the first Saturday of each month; the Tour del Dia featuring a tour of seasonal color meets on the fifth Saturday - beginning for 1996 in March. The Palm Walk is on the second Saturday, and the Tree Walk is on the third Saturday; no reservations are required; if you are interested meet in front of the Botanical Building @ 10:00 am. If you would like to learn more and would consider volunteering as a guide: Please contact Mike Ruiz (619)235-1121 or ask Michael Cullen (*he's @ our plant sales table*) during the next meeting.

Congratulations to SDC&SS member Paul Steward, who has just been elected President of the Palomar Cactus & Succulent Society. Paul's enthusiasm for this hobby is contagious, and his hardwork and good energy are an asset to any club. We hope they don't keep you so busy up there, that you don't have time for us! Paul! Ah, and do remember those wonderful bus /field trips we took with the Palomar Club? Perhaps we can meet again with our sister organization.

The South Florida Cactus & Succulent Society is proud to invite you to the Southeastern Cactus & Succulent Conference to be held in Miami, Florida, the weekend of February 22-24, 1996. For more information please contact: Suzann Boisvert @ (305) 279-5121; SFCSS, 10785 S.W. 108th Ave #201, Miami, FL 33176.

THE SUCCULENTS OF MADAGASCAR by Professor Dr. Werner Rauh has finally arrived. This long-awaited beautiful reference book makes me want to book a flight to Madagascar. I'm very happy with all the photos and info on Kalanchoes — as my succulent of the month article is soon due. Alan Weiss says the best part of this book is that it's Volume I - which allows us to relish in anticipation of more! Good job, Herman Schwartz, MD! All that hard work was worth it!! The Succulents of Madagascar can be purchased from Strawberry Press, 227 Strawberry Drive, Mill Valley, CA 94941; voice (415) 388-5017; fax (415) 380-9628.

Japanese Friendship Garden Tours — Located by the Organ Pavilion in Balboa Park, docent-led tours are offered on Tuesday, Friday, Saturday & Sunday from 10 am — 4 pm. Fee: gate donation. (Free on 3rd Tuesday of each month).

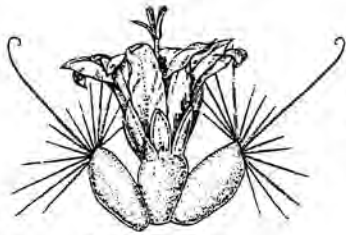
Irina Gromborg will be teaching a live Botanical Drawing from specimens class at the Quail Botanical Gardens on Saturday & Sunday, February 17 & 18. For more information call (619) 436-3036.

Another very interesting subscription for 1996: **HERBERTIA** — The Journal of the INTERNATIONAL BULB SOCIETY, P.O. Box 92136, Pasadena, CA 91109-2136. This excellent publication gets better every year!

PLEASE DON'T FORGET TO BRING SOME SPECIAL REFRESHMENTS FOR THE JANUARY MEETING. THERE WILL BE MANY CSSA GUESTS AT THIS MEETING, AND WE WANT TO TREAT THEM WELL!!

YOUR 1996 SAN DIEGO CACTUS & SUCCULENT SOCIETY MEMBERSHIP DUES ARE NOW DUE!

Please check your address label: if the number featured just above your name states "1996/01", this means that the January issue of Espinas y Flores should be your last unless you renew. If your label states "1995/##" — Shame on you! Get out your checkbook and pay your dues — Now! If you are receiving your issue "comp" — Please consider becoming a real member — Come on now! We know you can afford it! For inquiries regarding your membership and change or correction of address, please contact Elizabeth Glover @ (619) 264-6769. Elizabeth is our Bulk Mail Angel — this is a tedious and time consuming job accompanied by all the hazards of never ending Redtape and surly postal workers. We are very lucky to have her — when you see her at the next meeting, please thank her.



Mammillaria thornberi

San Diego Cactus and Succulent Society

P.O. Box 33181, San Diego, California, 92163-3181

Presidents Message for January 1996

Thanks you all for attending the holiday dinner! I was surprised by the turn out, a little more than last year. A special thanks to all those that participated in the dinner preparations: Herb and Ana Stern, Tom and Laura DeMerritt, Joe and Kay Quijada, Stefy Mangold, Alex Cardenas-Murphy, Paul Steward, Curt Hammel, Clifford Edmond (Casa del Prado Staff). Thanks to Beverly Kirkegaard, Elizabeth Glover, Gloria Alexanderson, Brent McCowen, D'erdra Smothers and John Williams for checking folks in and helping with voting. I believe these procedures went a bit smoother this year thanks to them. Elizabeth Athy and Michael Buckner were responsible for procuring the plants for the Holiday Dinner and they had help from Tom DeMerritt, Paul Steward, Alex Cardenas-Murphy and a host of others! Kelly Griffin did a fine job with the plant auction. He helped the club make about \$200.00 on the 'left overs'!

I wish to recognize the following people that have chaired or co-chaired a committee this past year: Shirley Berry and Kay Quijada, Tom DeMerritt, Beverly Kirkegaard, Elizabeth Athy, Elizabeth Glover, Sara Schell, Kelly and Sean Griffin, Mike Cullen, George and Jerry Plaisted, Michael and Joyce Buckner, Laura DeMerritt, Gail and Donald Bamber, Virginia Innis, Ed Nolan, Martin Mooney and Herb Stern. These people help make our society good, but all of you that work on their committees make us the best cactus and succulent society. It was good to see more than thirty of you at the holiday dinner.

There are some big plans for our Society in 1996, please participate, we need your help to make them happen. In the coming months I will share with you some of the ideas that the board is talking about. Do you have any ideas for our club? I need suggestions from you. Also, I need help on our committees as we start into the new year, please call me, before I call you!

Please join me in thanking: Shirley Berry and Kay Quijada for their service to our club for the past several years as directors. Dylan Hannon resigned his position as director, due to his new job, and his position was not filled till now. Three new directors will join the executive board: Tom Birt, Kelly Griffin and Stan Yalof. Beverly Kirkegaard will fill our vacant Treasury position. Please welcome them to their new positions. Congratulations are also due to our new Life Members: Ethel Standish and Shirley and Jim Berry. They have contributed much time and effort to SDCSS over the years.

At our November meeting we started a new 'Benefit Drawing' to raise funds for the club, many of you bought tickets. I am happy to report that this was a success and we will continue with these drawings at our meetings. As a mater of fact this month someone will be going home with one of Martin Mooney's propagules, a rare and unusual *Welwitschia mirabilis*.

Lastly, at our meeting this month many of the CSSA board members and officers will be in our midst. We are the largest Cactus and Succulent affiliate in the CSSA. In honor of the 1997 CSSA International Convention being held in San Diego, the CSSA Board meeting will be at the upcoming convention site, the Town and Country Hotel, in Mission Valley. Many of us witnessed the 'gavel ceremony' back in October. The gavel passed from me to Richard Bernard, CSSA Convention Chair then to Mindy Fusaro, CSSA Treasurer and onto Larry Mitich, CSSA President-elect to land into the hands of our Host Society Chair for this upcoming convention, Martin Mooney.

I hope everyone had a happy holiday and has a great 1996, I'm also looking forward to 1997.

Best Wishes,

Joey Betzler

GOOD NEWS FROM BAJA CALIFORNIA!

by Monte Woodworth

The week before Thanksgiving found Michael Buckner and Monte Woodworth taking a well earned mini-vacation in our neighborland to the south. Traveling down the coast of the Sea of Cortez we stopped for a visit and lunch at Bahia San Luis Gonzaga to visit with the Patriarch, **Papa Fernandez**. We were very pleased to announce that he is doing well at 110 years — he doesn't look a day over 90. We spoke with Papa about the current goings on at Gonzaga, took some photos with him, and then consumed delicious tacos prepared by one of his granddaughters.

Later, across on the Pacific side, while hiking and photographing, we discovered *Mammillaria louisa* — not lost or endangered as many people have reported! There are areas of coastal slopes populated with thousands of these diminutive beauties growing safely between their guardian rocks.

More Good News! While on another trip in early December, I stopped to visit with **Doña Anita Espinosa** of El Rosario. I told her about the *Pachgeracereus orcuttii* article in the December issue of *Espinas y Flores* and how the plants she helped to once find are now back together again at the Wild Animal Park's Baja Hill. Doña Anita is now 87 years young. With sparkling eyes and a warm genuine smile, she remains as beautiful as ever.

Doña Anita has written her autobiography titled "**Reflections**" which was published in 1994. She is selling her book to help buy clothes, books and other necessities for the poor children of the El Rosario region. Doña Anita tells me that I, too, look the same and she adds that I should eat more. She asked me to give **Bob Taylor** a big hug and special hello when I next see him.



Editor's note: **Kitty Sabo** was also delighted with **Frank Thrombley's** fine article. She is happy that her *Pachycereus orcuttii* is thriving and flowering in its new home. She writes "I think the article in *Espinas y Flores* was super. It brought back a lot of memories and almost made me feel young again!" She requested that we relay best wishes for the new year to all of you.

Julianne Rice (who now resides in Houston, Texas) also wrote, "Merry X-mas and a Happy New Year. I really miss seeing all you good people. Take good care of yourselves so that you can enjoy ninety good years, too!"

December 22, 1995

TO: Michael Buckner
FROM: Aiko Schick, V.P., California Cactus Growers Association

Dear Mr. Buckner,

Please include this item in the January 1996 edition of the SDCSS Newsletter, if there is time. If this reaches you too late, please put it in the February issue. I will send you information about the dates, locations, speakers and topics one month ahead, if possible.

The California Cactus Growers Association invites as guests to their meetings those who have a serious botanical interest in cacti and other succulents (members of Cactus and Succulent Societies, nursery owners specializing in xerophytes, staff of college/university botany departments or botanical institutions). Each guest who wishes to participate in the CCGA's potluck lunch at the meetings must bring by 11:30 a.m. an entree, side dish or dessert to serve 8, plus his/her own plate and eating utensils. Those who wish to skip the potluck lunch but hear the speaker should plan on arriving at 1:00 p.m. The Association is not responsible for last-minute changes in location or speaker, but will try to notify each club ASAP. The date for the first meeting is Feb. 14, 1996 at Mexican Hat Cactus Nursery, 11152 Palm Terrace Lane, Riverside 92505. The speaker will be Joe Clements; his topic, "Introduction to the Huntington Botanical Gardens and Development of the Desert Cactus Garden". The next date is April 10 at Moorten Botanical Garden, Palm Springs. The speaker will be Hans Britsch; topic to be decided later.

We have several interesting speakers and topics lined up. In June Lee Phelps will speak in Vista on the use of succulents as bonsai, with some of his specimens on view. In August Bob Schick will talk at the Ikebana Room of the Huntington; he will show slides of his Echinopsis hybrids and discuss some effects of temperature on the form and flowering of the hybrids. In October (members and invited guests only) Jerry Turney, the plant pathologist at the Huntington, will show slides and discuss the microorganisms responsible for damping off and root rot. I will send you exact dates and addresses later.

Thank you for your cooperation,

Aiko Schick

Aiko Schick
18745 Plummer St.
Northridge, CA 91324-2248
818/886-4891



The Genus *Ferocactus*

Cactus of the Month by Paul Steward

The Genus *Ferocactus* was proposed as a segregate of the Genus *Echinocactus* by Britton & Rose in 1922. This treatment included 25 species transferred from *Echinocactus* and 6 new species. Dr. George Lindsay undertook a study of the Genus and subsequently authored the monumental work "THE GENUS *FEROCACTUS*" as his doctoral thesis in 1955. This work has never been effectively published, although it is reproduced on demand through University Microfilms of Ann Arbor Michigan. Unfortunately none of the 129 plates or the 8 maps are legible. Dr. Lindsay accepted 16 of the original species as valid, excluded four, found four others to be synonyms, reduced two to varietal rank and adopted earlier names of three species based on priority. During his study of the Genus Dr. Lindsay discovered that five new species and one variety had been proposed since Britton and Rose, two of which were retained as new species and the remaining three being reduced to varietal rank. Additionally nine species and three varieties had been added to the Genus. Of these two were retained as legitimate prior names and one was described as inadequately known.

The Genus as treated by Dr. Lindsay includes 25 species and 11 varieties; two species and three varieties were newly described. During the course of his studies Dr. Lindsay traveled 20,000 miles by car and truck and 5,000 miles by boat to observe plants in habitat and study their geographical distributions.

Nigel Taylor published in 1984 and 1987 in the Journal of the British Cactus and Succulent Society. I will not deal with his treatment at this time. Lyman Benson also did excellent work on the species which occur within the Continental United States. Presently research is being conducted at Iowa State University by Hugo Cota under Dr. Rob Wallace with the principal investigational tools being DNA, PCR comparison.

The Genus as a whole is rapidly evolving, with intermediaries and extremely variable spination common. Identification is often difficult, flower color which has been traditionally used as a key to identification is not always a dependable key character here. The Genus is best described as: **Stems:** depressed globose to cylindrical often tall. **Ribs:** thick prominent and sometimes tuberculate. **Aeroles:** large, tomentose in juvenile plants, often divided into a superior floriferous portion and an inferior spiniferous area. **Spines:** large and strong, straight to hooked, produced in the lower part of the areole, dwarf spines persist in the upper areole as nectiferous glands. **Flower:** broadly funnellform and campanulate, scales occurring on the tube and ovary intergrading with the inner and outer perianth segments, stamens numerous, inserted in the short tube, style thick, divided at the tip into many stigma lobes. **Fruit:** single, semi-fleshy to fleshy, oblong in shape, persistent withered perianth section attached above, usually but not always dehiscing through basal pore. **Seeds:** thin, pitted or sculptured testa, curved embryo with a large hypocotyl. **Type Species:** *Echinocactus wislizenii*, Engelm.

Distribution and Habitat

Ferocactus inhabit the arid and semi arid regions of the Southwestern United States and Mexico. Most but not all, are desert plants. *Ferocactus viridescens* which occurs in coastal San Diego County and south into northern Baja California inhabits areas of coastal chaparral and *Ferocactus herrerae* is found in areas of Sinaloa associated with the Thorn Forests where the average summer rainfall is 20 to 30 inches. Low temperature limit the Northern migration of the genus, whereas excessive rainfall limit it's Southern migration.

Ferocactus grow in well drained soils and have developed a specialized root system which consists of a few short vertical tap roots that anchor the plant and a series of fine radiating lateral roots which are the principal absorptive organs. These lateral roots may effectively cover an area of 2 to 3 meters from the base of the plant, while not being any deeper than 10 cm. So effective is the Ferocactus in it's ability to control transpiration and to absorb and store large quantities of water quickly that it can endure periods as long as 6 years without appreciable rainfall and sustain no damage.

Cultivation

I can think of no special requirements in the cultivation of this genus aside from the obvious, ie: a well draining potting mixture, bright to full sun and light fertilization during the growing season. With any luck you should be rewarded with a beautifully flowering plant.

References consulted:

- Engelmann, G. (1859). Cactaceae of the Boundry
Britton, N.L. & Rose, J.N. (1919-1923) The Cactaceae
Lindsay, G. (1955) The Taxonomy and Ecology of the Genus Ferocactus (unpublished)
Taylor, Nigel P. (1984) Bradleya 2/1984 A Review of Ferocactus Britton and Rose
Taylor, Nigel P. (1987) Bradleya 2/ 1987 Additional notes on some Ferocactus species



What do you do when your barrel just sits there?

The rotting away of roots can leave a barrel cactus simply sitting atop the ground waiting to be thrown away. When César Mazier, superintendent of horticulture, discovered the roots of this *Echinocactus grusonii* had rotted, he decided to try re-rooting the plant. He upended the cactus, cleaned it out, applied fungicide and sulfur, and packed the cavity with sand. Then he replanted the specimen in a sandy medium and mounded sand around the base. He watered the cactus once a week and found that it had regenerated roots in three weeks (as evident in the photo). *Ferocactus* and *Echinocactus* species are particularly prone to root rot, César said. "Try re-rooting before tossing your plant into the garbage."

Photo by Carol Schatt

Yuc! ahhhhhhh!

Succulent of the Month

by Kelly Griffin

The genus *Yucca* is often overlooked by cactus and succulent folks. It is not that they are not likeable — they are. Perhaps it's because they are only marginally succulent. Of course, the genus name "*Yucca*" probably has not helped. I believe that because they are not well known and very little has been written about them, they have been kept out of the limelight.

The name "*Yucca*", according to my sources, comes from the Yucatec Indian people of the Yucatan peninsula in southern Mexico. But I qualify this as unconfirmed. My son says the name comes from a small boy who after falling on a *Yucca whipplei* exclaimed "Yuc! ahhhhhhh!"

The most often encountered *Yuccas* are the large (up to 45 feet) *Yucca elephantipes* (Mexico and Guatemala) and the slow growing, familiar Joshua Tree *Yucca brevifolia* (California and Nevada). *Yucca elephantipes* is commonly used as a staple in the landscape trade; it is also available in an attractive variegated cultivar. *Yucca brevifolia* does best in the Mojave desert and requires intense heat and very good drainage in cultivation.

On the home front in San Diego we have *Yucca schidigera*, a stemmed yucca with stiff leaves that are filamentose. We also have a form of the highly variable and somewhat questionable yucca: *Yucca whipplei*, which has been referred to a new genus *Hesperoyucca*. Of all the changes in names this one seems to make sense to me as *Yucca whipplei* has never fit in. *Yucca whipplei* is extremely variable, from small forms near Venticopa to the coastal cespitose forms to large simple

(non-offsetting) blue forms in the Sierra foothills. I have had some interesting conversations regarding these apparent differences with other plant people. Some have inferred that the differences are cultural and due to the amount of water a plant receives, as well as sun exposure and soil content. I'm of the opinion that there are different varieties of this plant with some common ancestry — each form evolving to take advantage of its niche in the environment. I also note that the differences in these varieties have remained consistent in my cultivated plants.

One very interesting thing about observing yuccas in habitat is trying to find little plants. Juvenile yuccas and *Nolinas* look much like grass and blend into the background very well.



Succulent of the Month: Yuccas by Kelly Griffin continued

The flowers of yuccas are pretty special (especially if you are a bat!). Spectacular flowers occur in the spring and unlike the Agaves, these beautiful blooms are not monocarpic, that is they are terminally terminal. (Exception: *Yucca whipplei* now *Hesperoyucca*). In other words, you can expect the plant to be flowering again at the same time next year, instead of removing a heap of decaying matter. The flowers are mostly cream to white, sometimes with hues of pink or purple. One of the key pollinators is the Yucca Moth. This is a symbiotic relationship, as the moths which pollinate the flower also instill their larva which destroys some of the seed.

Some of the choicest yuccas are:

Yucca endlichiana (Mexico). A small stemless plant with very thick curvy leaves. It makes a nice potted plant, if you can find it.

Yucca rigida. A very pretty glaucous blue tree.

Yucca baccata var. *vespertina*. Differs from the type in that it has narrower leaves and is blue hued.

Yucca carnerosana. This is a large beautiful yucca, if you have room; usually solitary (unbranched).

Yucca brevifolia var. *jaegerana*. Differs from the type in its smaller growth habit and smaller leaves.

Yuccas are of easy culture if you remember to go easy on the water. They occasionally get some scale or mealy, but in my experience, they are not particularly sensitive to pesticides and can be easily treated.

Seed sources:

Mesa Garden
P.O.Box 72
Belen, NM 87002

Doug & Vivi Rowland
200 Spring Road, Kempston
Bedford, England MK42-8ND

References:

YUCCAS OF THE SOUTHWEST, John Milton Webber, 1953.
SUCCULENTS—THE ILLUSTRATED DICTIONARY, M. Sajeve & M. Costanzo, 1994.
EXOTICA, A. Graf, 1978.

DON'T FORGET!!
— WE ANTICIPATE MANY GUESTS —
AND NEED AMPLE REFRESHMENTS —
PLEASE BRING SOMETHING APROPOS!

WISE AND

When the animals come to us,
asking for our help,
will we know what they are saying?

When the plants speak to us
in their delicate, beautiful language,
will we be able to answer them?

When the planet herself
sings to us in our dreams,
will we be able to wake ourselves, and act?

GARY LAWLESS



OTHERWISE

We are a landscape of all we have seen.

ISAMU NOGUCHI,
SCULPTOR AND DESIGNER OF GARDENS

[We have] the deep conviction that everything in the universe is connected, nothing stands alone. Any violation of sacred laws causes a deep disturbance in the cosmic balance, which results in huge upheavals on the earth.

Amadou Hampâté Bâ (1901-)
sage of Mali - West Africa

"And what, you ask, is the use of the paintings?" said Ogotemméli. "It is this: they help the plants grow, they promote germination. The day before the sacrificer wets his brushes, the ears for the sowing are spread out on the roof, the symbol of the primal field.

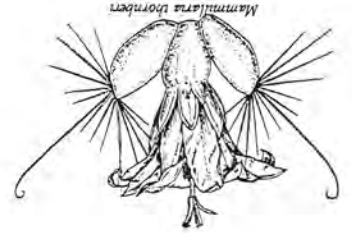
"In this way, at the start of the cycle of vegetable growth, the still unfertilized seeds are taken and incorporated in the universal cycle, in the general movement of clouds and men."

from *THE WAY OF THE EARTH - ENCOUNTERS WITH NATURE IN ANCIENT AND CONTEMPORARY THOUGHT*
by T. C. McLuhan, *Africa*, page 283, Touchstone /Simon & Schuster, NY, c.1995.

The earth is at the same time mother, she is mother of all that is natural, mother of all that is human. She is the mother of all, for contained in her are the seeds of all, The earth of humankind contains all moistness, all verdancy, all germinating power. It is in so many ways fruitful. All creation comes from it. Yet it forms . . . the basic raw material for humankind.

Hildegarde of Bingen (1098-1179),
poet, musician, Rhineland mystic

*"Remember, it is forbidden to live in a town
Which has no garden or greenery."*



ADDRESS CORRECTION REQUESTED

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

Espinas y Flores

Editors: Michael and Joyce Buckner - (619) 222-3216
4822 Santa Monica Ave #103, San Diego, CA 92107

SAN DIEGO CACTUS AND SUCCULENT SOCIETY, INC.

1996 EXECUTIVE BOARD

OFFICERS

President - Joey Betzler
569-8510
Vice President - Tom DeMerritt
270-5544
Secretary - Herb Stern
223-9134
Treasurer - Beverly Kirkegaard
670-1035

EX OFFICIO

Immediate Past President -
Michael Buckner
222-3216

DIRECTORS

Elizabeth Athy
469-7647
Tom Birt
523-1445
Kelly Griffin
942-4866
Tom Knapik
462-1805
Ed Nolan
486-6195
Stan Yalof
743-1560

Standing Committees and Sub-Committees

Conservation:

Joey Betzler and Kelly Griffin

Education and Exhibits:

Brag Table - Shirley Berry
and Kay Quijada

Del Mar Fair - Tom DeMerritt,
Marylyn Henderson, Susan
Hopkins, Herb Stern and John
Williams

Plants of the month -
Beverly Kirkegaard
and Phyllis Flechsig

Show - Joey Betzler, Tom Knapik
and Beverly Kirkegaard

Liaison:

Balboa Park Desert Garden
- Susan Hopkins

CSSA Affiliate Rep.
- Michael Buckner

Quail Botanic Gardens
- Phyllis Flechsig

San Diego Botanical Garden
Foundation - George Plaisted

San Diego Floral Association
- Elizabeth Glover

S.D. Wild Animal Park's Baja
Collections - Frank Thrombley

Library:

Elizabeth Athy, Amna Cornett
and Tom Birt

Membership:

Elizabeth Glover (264-6769)
and D'erdra Smothers

Plant and Seed Exchange:

Plants - Sara Schell
Seeds - Kelly and Sean Griffin

Plant Sales and Supplies:

Annual Sales, Auction & Holiday Plants
Elizabeth Athy, Paul Steward,
George Plaisted, Tom DeMerritt,
Ed Nolan and Rick Plant

Monthly Plant Sales - Michael Cullen,
Marylyn Henderson, Gloria
and Kenny Graham

Monthly Supply Sales - George
and Jerry Plaisted

Publicity: Tom DeMerritt

Programs: Tom Knapik

Reception:

Laura DeMerritt and Marylyn Henderson

Regalement:

Monthly Meetings -vacant Chair
Stefy Mangold and Rudy Lime
Picnic - Tom and Laura DeMerritt

— Other Committees —

Correspondence: Virginia Innis
Host Society Chair for 1997 CSSA Convention:
Martin Mooney (427-6796)

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 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 \$20.00. Affiliated with the Cactus and Succulent Society of America, Inc. Fax available - please call editor at (619)222-3216 for number.