

MAMMILLARIA THORNERI

Espinas y Flores

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

VOLUME XXXI NUMBER NINE, SATURDAY, SEPTEMBER 14, 1996 @ NOON



Royce P. Wood 1974

Our Cover: A beautiful rendition of one of the icon plants of Baja California, Mexico: *Pachycormis discolor*, the Elephant Tree, by Royce Wood, 1974. This suite of five different studies of plants was reproduced and offered for a short period of time, by the late Manny Singer in his catalog.

Royce? Are you still out there doing botanical artwork? Please call me, I want to buy everything you have, old or new!! Your servitor,

Michael Buckner

☉ NOTICE ☉ **MEETING is a PICNIC** ☉ NOTICE ☉

Thank you Monte Woodworth for the terrific article on some very special Baja Euphorbias. Next month: we have some special contributions on show judging; in November an article by Stan Yalof, and hopefully in 1996, an article from Frank Thrombley on El Marmol - Catavina, Baja California - Betty Athy, please contact Frank!!! December's issue will feature an article on stapeliads by Alan Weiss.

PLEASE SEND LETTERS TO THE EDITOR, PLANT OF THE MONTH ARTICLES, AND ANY OTHER ARTICLES, INQUIRIES, CONTRIBUTIONS, SUGGESTIONS, PUZZLES, POEMS, PHOTOS, ETC. TO:

Michael & Joyce Buckner, Editors
4822 Santa Monica Avenue, # 103
San Diego, CA 92107
FAX OR TELEPHONE: (619) 222-3216.

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*The San Diego Cactus &
Succulent Society's Annual*
PICNIC & PLANT AUCTION

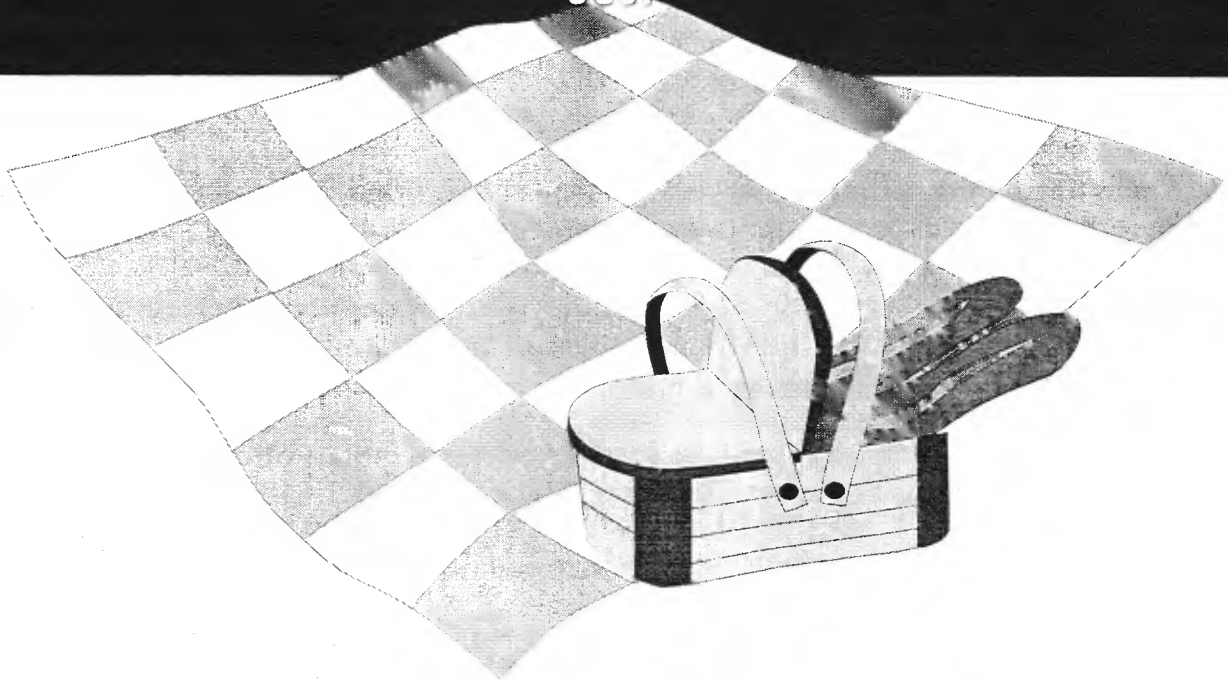
Saturday, September 14th @ Noon
KATE SESSIONS PARK
Pacific Beach-Grand Garnet exit 1-5

Questions? Please call Tom & Laura DeMerritt
*** (619) 270-5544 ***

DIRECTIONS: Grand/Garnet exit off 1-5; West on Garnet
(or Grand); go Right on Lamont Street approx .7 mile.
Signs will be Posted.

POTLUCK! Please bring a food dish for 6-8, hat, sunscreen,
and a Chair.

SDC&SS will provide: Cold drinks, utensils, ice, shade tent,
etc.





REMEMBER! SEPTEMBER MEETING BEGINS @ NOON – KATE SESSIONS PARK

Our annual **SDC&SS Pot Luck Picnic & Plant Auctions** is always a GOOD TIME!! Everyone needs to bring their best potluck dish that will serve 6-8 people. Everyone needs to bring sunscreen, a hat, and **something to sit on!** This year Picnic Committee Chairman (and SDC&SS Vice President) **Tom DeMerritt** says, "A ticket for a free giveaway plant will be given to every member in attendance." This is an added "perk" — we will still have an exciting auction, lots of great food, cold drinks, and games. If you have a fun outdoor game — please bring it along. We will bring a bizarre new flying toys. What are you bringing, John Williams? Does someone have some horseshoes? Ted Nelson? Children, parents, friends, and even **well-behaved** pooches are welcome. Whimsical hats, belly buttons, and Bermuda shorts are encouraged. There will be a shade tent.

BRING PLENTY OF FUN TICKETS!!!

DIRECTIONS: Take the **Grand - Garnet Exit** off of Interstate 5; go West on either Grand or Garnet (they run parallel) until you get to Lamont Street; take a **Right on Lamont** (North) and then go approximately **.7 mile**. **KATE SESSIONS PARK** will be on the **Right**. Parking is available either in the park or on Loring Street. If you park on Loring, the park will be above you to the left — quite near our picnic area — the same as last year. **There will be signs posted**, or you can just look for a shade tent and the funny looking people that are checking out the auction plants.

NEED ADDITIONAL INFORMATION? Call Tom or Laura DeMerritt @ (619) 270-5544.

September 21th @ 10am — California Natives Talk & Garden Tour: Free at Buena Creek Gardens, 418 Buena Creek Road, San Marcos; info 744-2810.

September 26th — ALFRED LAU to speak on MEXICAN SUCCULENTS: Dr. Lau lives in Cordoba, Vera Cruz, Mexico. Famous for his work on Mexican succulents, as well as, his unwavering aid to the disadvantaged Native Mexican Americans. The Honorariums he receives for speaking at these events is all put toward the education and welfare of these Mexican children. This will be Dr. Lau's only stop in the L.A. area — the Orange County C&SS welcomes all who are interested to the Auditorium of the First Presbyterian Church, 11832 Euclid, Garden Grove, CA (it is on the East side of Euclid, North of Chapman and South of Orangewood going South, there are left turns lanes - pull into the fourth one after Orangewood.) on Thursday, September 26th @ 7:30pm. Please make a donation to Dr. Lau's causes, if you are able. Info call Don Wendland @ (714) 526-3871.

September 28th @ 12:30pm — Alfred Lau to Speak — Palomar Cactus & Succulent Society, Joslyn Senior Center, 724 N. Broadway, Escondido. If you plan to attend, please R.S.V.P. Eleanor Hewitt @ (619) 753-3651.

September 28th @ 11:00am — Inter-City Post-Show Meeting & Potluck, at the home of Karen & Martin Ostler, 7038 Lasaine Avenue, West Van Nuys, CA 91406; (818) 881-9601. If you would like a map or a copy of the Inter-City 96 Cactus & Succulent Post Show Newsletter call Michael & Joyce Buckner @ (619) 222-3216 and we will make sure you get one!

September 28-29 — Bonsai Club Fall Show, room 101, Casa del Prado, Balboa Park, San Diego; hours 10:00 am - 5:00pm; free admission; for more info: (619) 234-8901.

October 5th — UC Irvine Arboretum — Native Plant Fair / North Campus Drive: 10:00am to 3:00pm, sponsored by the Orange County CNPS and the San Joaquin Marsh Reserve. Event includes tours, lectures, plant sales of hundred of different native plants. Info: (714) 824-5833.

October 11-13th — Tucson Cactus & Succulent Society presents "A Serious and not all Cereus Look at Cacti & Succulents of the Sonoran Desert — please see insert.

October 12th — SD Chapter of CA Native Plant Society Sale — Casa del Prado, Balboa Park — 10:00am - 2:00pm; for more information (619) 277-9485.

October 19-20th — San Gabriel Valley C&SS "Winter" Show & Sale @ Huntington — see insert.

PLEASE BRING YOUR PLANT DONATIONS FOR THE V.A. HOSPITAL BAZAAR. These plants are always a hot sales item, and all the funds go to a wonderful cause. In 1997 the city of San Diego will be hosting the **Wheelchair Olympics**. **Ruth Richardson** will be picking up the donated plants at the September & October SDC&SS meetings. Michael & Joyce Buckner will pick up any plant donations for the V.A. Disabled Vets Holiday Bazaar /Fund Raiser at the November meeting. Thank you for you participation in this event for our deserving veterans. For more information, please contact **Ruth Richardson @ (619) 281-9267.**

SUNSET SUCCULENT SOCIETY

Invites you to its 3rd Annual

PICNIC/AUCTION SATURDAY, OCTOBER 12, 10 to 3

At the home and magnificent gardens of Mary Ev and Boyd Walker. The last and only opportunity to tour this estate that has been featured in magazines and special garden tours.

ADDRESS/DIRECTIONS

15935 Alcima Ave
Pacific Palisades

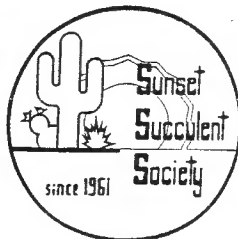
PCH Rt on Temescal Canyon - Lt on Sunset
Rt on El Medio, Lt on Alcima.
Park on street. Walk UP HILL to Walkers.

BRING

- Your club name badge
- Lawn chair/blanket
- Picnic lunch
- \$\$\$ and an upraised hand

SSS WILL SUPPLY - Drinks,
paper goods, cups, snacks and
a promise of a good time!

For additional info call Rosalie 310-822-1783



OPEN TO ALL CSSA AFFILIATE CLUB MEMBERS

... and friends



San Gabriel Valley Cactus & Succulent Society

Saturday & Sunday, October 19th & 20th, 1996

10:30 am to 4:30 pm both days
at the Huntington Botanical Gardens
1151 Oxford Road, San Marino, CA 91108
\$7.50 entrance fee to the Huntington -
(no additional fee for seeing the show)

Information: David Tufenkian 818/794-3082

INTER-CITY SHOW IS ALIVE & WELL!

THE PEOPLE'S CACTUS & SUCCULENT SHOW

Wow!! That was fun! A terrific show - with the best plants, the best friends, and the best attitudes, spirit & teamwork that we have ever witnessed at the Inter-City Show or any show for that matter! The Los Angeles weather was absolutely hideous — and that's stating it nicely! (*Do you remember the old joke? "If I could walk that way, I wouldn't need talcum powder! . . . drum roll & cymbals."*) The fact that a hundred-plus people can work together for three to five days (*some of it very strenuous back-breaking work*) and still remain cheerful and cooperative in 90+° weather with 90% humidity and lots of smog, is truly a monumental feat!

The plants, the exhibits, and the allied arts entries were all **EXCELLENT** — getting better — more sophisticated each year. We missed some friends though, friends who usually show: Ed, Karla & Shane Nolan, Dave & Chris Turner, Alan Weiss, Phil Favel, Steve & Deni Plath (*Steve was a Judge but, we missed them at the banquet*), and Sarah Minnich. I have attempted to acknowledge all San Diego Cactus & Succulent Society Members who participated in this show. You will see that their names have been **Highlighted in Bold**.

Cactus Judges: **BEVERLY KIRKEGAARD**, Victor Turecek, Steve Plath, Charles Spotts, Steven Southwell, **CAROL WUJCIK**, and Larry Grammer served as the tie-breaker "roaming" judge.

Succulent Judges: **LEE PHELPS**, Janet Huckaby, Fred Gaumer, Gene Joseph, **MICHAEL BUCKNER**, **JOE WUJCIK**, and **WOODY MINNICH** was the tie-breaker Judge.

SDC&SS members who were show participants and served as clerks, cashiers, movers & shakers, and helpers from setup to hospitality and sales to clean up:

Betty Athy — clerk; **Marylyn Henderson** — clerk, *Echeveria "Lucita"* Best Echeveria Trophy; **Lem & Pat Higgs** — wonderful exhibit, sales, *Gasteria ernestii-ruschii* Best Gasteria Trophy; **Monte Woodworth** — clerk, sales, and all around "good egg", Blue Ribbons for his Miniatures, Miniature Individual Display, *Euphorbia dacaryi* - Novice. **Woody & Kathy Minnich** - Show Co-Chairman, Master of Ceremonies. Woody does much of the wonderful artwork for Inter-City Show posters, schedule, T-shirts, etc. and some of his original botanical drawings were on display. Show photographer and all around "Doer". Woody & Kathy manage to complete all the unfinished and "nobody wants to do it" stuff as well, they are the first to arrive and the last to leave. And Woody wants to set a good example — he wants people to participate — so, he entered 135 plants. Kathy says, "He didn't get that skinny little butt of his for nothing! *Ariocarpus fissuratus* var. *lloydii* Best Ariocarpus, *Astrophytum capricorne* var. *niveum* Best Astrophytum Trophy, *Gymnocalycium triacanthum* Best Gymnocalycium Trophy, *Aztekium ritteri* Best Miniature Trophy, *Echinocactus texensis* Best Native U.S. Cactus. **Kathy Minnich**, Regalement Committee Chairwoman; she also diplomatically handles the overflow of inquiries, questions, & demands. Some of the other duties I've seen her perform include: phone calls, first aid, psychotherapy, the Judge's Dinner, childcare, laundry, correspondence, and listening - making sure that all get the credit they deserve (*a next to impossible goal!*). **Ted & Marilyn Alford** — artful ceramics sales, setup; **Dick & Lupe Hulett** - Publicity Co-Chairman, sales, *Aloe dorothea* Best Aloe Trophy. **Chuck Everson & Jerry Williams** of Rainbow Garden Nursery & Bookshop - keep us all informed and educated with their wonderful book stand, Jerry's *Haworthia nigra* var. *nana* got the Best Haworthia Trophy. Rainbow Gardens Bookshop donated two rare botanical books to the auction. **Jim & Roberta Hanna** - Sales Co-Chairman, cashier, hospitality /clean-up. Jim (*along with Woody & Steve Southwell*) did a wonderful job with Walk-n-Talk Program "Giving Cacti & Succulents to Look Their Best". *Pachypodium rossulatum* var. *gracilior* Best Pachypodium, *Sulcorebutia arenacea* Best Rebutia or Sulcorebutia, plus lots of Blue Ribbons for the Hannas.

INTER-CITY SHOW CONTINUED . . .

Michael Buckner - Judge/Mentor Judge to Joe Wujcik, sales, Walk-n-Talk Program speaker with Woody Minnich "On the Trophy Table". **Michael & Joyce Buckner** - Miniature Bonsai Succulents Exhibit Blue Ribbon, *Ficus socotrana* Best Succulent ~ Open, *Agave parasana* crest Best Crested Succulent Trophy. **Camille Rutkowski** - clerk; and she showed a beautiful variegated — it looked "marbled" *Kalanchoe beharensis* hybrid; she successfully purchased this plant at the SDC&SS '94 Picnic & Auction. **Kitty Sabo** - just came to visit! She has done it all in the past, now she just comes for the show. Kitty should get a trophy for having the most congenial smile; she says "Hello" to Bob Taylor, Frank & Marion Thrombly, Warren & Virginia Buckner, and all her old friends in San Diego. **Rudy Lime** - did a terrific hands on Walk-n-Talk Educational Program on "SMOLA" — every seat was filled and a crowd stood in the back! Rudy also did sales & his *Operculicaria decaryi* got the Best Non-Euphorbia Madagascar Plant Trophy. **Brigitte Williams** - worked both days as a cashier & tag counter; these are outdoor jobs with no air-conditioning. **Catherine & Mike McCammon** - Cathy was a clerk; Mike, the Inter-City Show's Video Cameraman, also did tabulations and info system's (*computer*) entry & education; Cathy's *Copiapoa lembekei* received the Best Chilean Cactus Trophy; many Blue Ribbons. **Ellen Low** - cashier & tag counter — outdoor jobs can be very difficult. **Joe Wujcik** - ceramic sales, Walk-n-Talk educational program "Plant Pots". Joe is going to write a little article for us about being a first-time Judge. **Carol Wujcik** - Show Photographer & Historian; she also organized the Show's Walk-n-Talk Educational programs, decorated the show area with collected quotes of "Succulent Passion" from club members & botanists — everyone enjoyed reading these quotes while viewing the show (*You will be seeing them in the next couple of Espinas y Flores issues!*). *Kalanchoe tomentosa* Best Succulent Trophy ~ Advanced; just like Woody, Carol puts in a tremendous amount of time, energy, sweat and tears into the Inter-City Show every year. Carol & Joe are also editors for the Inter-City Newsletter - great pictures — good job!! **Dylan Hannon** - sales, Dylan exhibited three extremely rare and exciting plants: a *Clusia*, a *Euphorbia* Michoacan species, and a very rare Mexican *Dioscorea* which was awarded a Show Rosette. **David Bernstein** of California Specialty Nursery contributed several gift certificates as Door Prizes for the banquet; **Joey Betzler** - show setup; **Duke & Kaz Benedom** - *Agave utahensis* Best Agave Trophy, *Echinocereus rigidissimus rubispinus* Best Echinocereus; **Aiko & Bob Schick** - show setup. And some SDC&SS members we noticed in attendance: **Michael Cullen, Mary Sorrentino, Sara Schell, Tom Knapik, Rick Plant, and Emily Ormond** - Emily promises to enter some plants next year — it will be her maiden voyage — look for a novice trophy — she's been practicing! Well, I know I have left some of you out . . . please let me know!

There were a few other people that should definitely be thanked and recognized but, upon checking our SDC&SS Membership Roster I noticed that their dues have lapsed. Or as in the case of Dr. David & Eileen Tufenkian, they receive the Espinas y Flores in trade for the Communique Newsletter that David presently edits. David & Eileen Tufenkian won six trophies — good job and good newsletter!

Now, I will be sending a few of you this issue — hopefully it will inspire you to join or re-new your SDC&SS membership. *Hint, hint!!* Show Chairman Larry Grammer falls under this category. I find myself coveting Larry's plant more often than anyone else's!! Guess, this is because he has some very awesome plants — staged, groomed and potted in a most meticulous manner. Larry is part of the Inter-City Show foundation — a valued charter member. Larry won six trophies this year, including one we had in 1995, "The Best Staged Plant". Also missing from our '96 SDC&SS membership roster are Steve & Rowena Southwell — the recipients of six Inter-City Show trophies. Steve drives to L.A. all the way from San Jose with all his show plants, sales plants, and three computers, that he programmed to do the show tabulations. Charles & Joann Spotts' participation is also absolutely critical to the show's success — valued charter members. Charles & Joann won three trophies. As the Inter-City Show Treasurer they practically lived at the Arboretum from Thursday morning through Sunday night. We even kept them working at the banquet!! Thank you, Joann & Charles. Thank you Frank Depew - Show Photographer. Thank you, **Carol & Joe, Woody & Kathy, Jim & Roberta, etc. etc. etc.!** See you next year — please turn down the humidity, okay!!

Joyce Buckner

Euphorbiaceae de Baja California, Mexico

by Monte Woodworth

As a native of Southern California I had an early introduction to succulent plant species. Over many years I have cultivated, with the influence of a friend, a favorite interest in euphorbias.

Working as a natural history tour guide in Baja California, Mexico since 1979 has allowed me to travel through Baja at different times of the year and observe the seasonal changes in the plants.

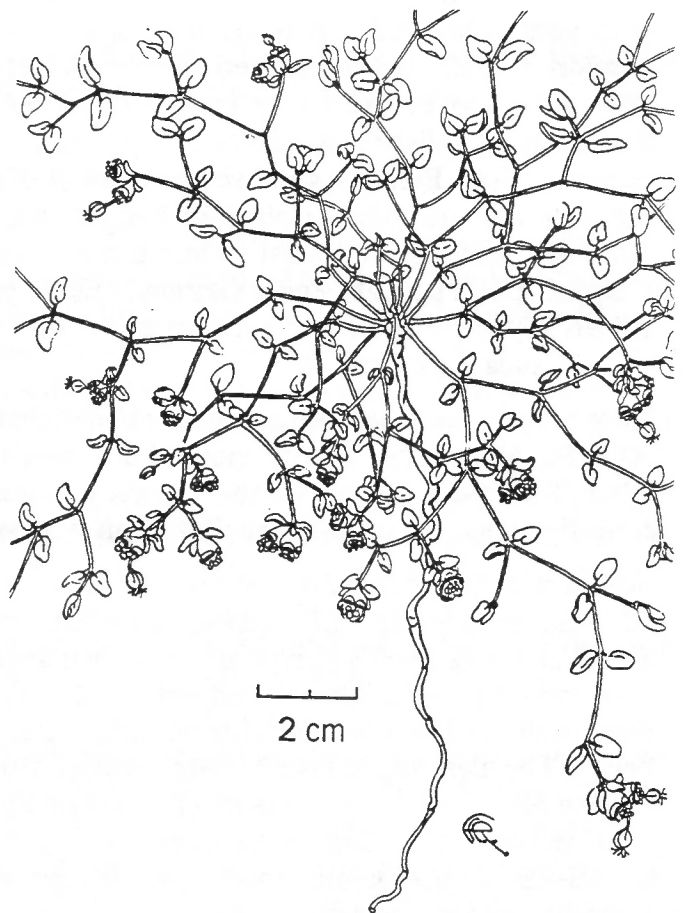
The different *Euphorbia* species are found in many areas of Baja California. They share the landscape with the more familiar cardons (*Pachycereus pringlei*), boojums (*Fouquieria columnaris*), the various elephant trees (*Bursera species* and *Pachycormus discolor*), and ocotillos (*Fouquieria splendens* and *Fouquieria diguetii*), as well as the palo verde, mesquite, and ironwood trees.

Baja California offers a harsh environment in which plant species grow. Being drought-deciduous, the euphorbias of Baja California must be seen during a rainy season in order to enjoy the fully leaved plants. These plants often lose their leaves in a very short time (*just a few days should the weather turn very hot*). Only the flowers and seed capsules remain at the ends of bare branches.

A Baja Californian *Euphorbia* species may vary widely in appearance depending on habitat. Plants growing on a rocky hillside with quick drainage usually grow smaller in stature with more dense branching and few or no surface roots but a strong tap root. Plants growing in a sandy wash develop into more open and tall shrubs that have a network of surface roots. More rarely, plants are found growing out of a crack

in a rock or in a wind-blown crag producing a dwarf form resembling a bonsai plant. A single species can look quite different when grown under a variety of habitats.

According to Wiggins (1980), there are 19 genera of the *Euphorbiaceae* family occurring on the Baja peninsula, with about 50 species and sub-species. The following species are the most interesting and commonly found euphorbias of Baja California.



Golondrina, Chamaesyce polycarpa, flowering in first season. Drawing by Frances Runyan.

Euphorbia leucophylla forms attractive mats on dunes, sandy washes, and elsewhere. This is an annual or perennial plant with small, 5mm, grayish-green broadly ovate leaves, which have closely denticulate margins and overlap along the branches. The tiny cyathia are white; some are white with burgundy centers. They appear year round, since I have seen only flowering plants. Widespread in habitat this species grows in the coastal scrub /chaparral, on coastal dunes, along the upper strand in northern Baja California, in the Cape Region, and on several islands. *Euphorbia leucophylla* also seems to thrive on disturbed soil such as the tractor grades along the Transpeninsular Highway. The local name is *golondrina*. Natives use it as a tea for treating rattlesnake bites, kidney problems, cancer, and many other ailments. It is also used as a cleanser for cuts and rashes, and as a hairwash.

Euphorbia misera is often leafless (*drought deciduous*). This straggly to compact, limber-branched shrub grows 0.5 to 1.5 meters tall. The species has pale gray bark and milky sap. Branches are stoutish, coarse, and often tortuous. Round ovate leaves, 5mm to 15mm long, grow on short lateral spurs in alternating clusters. The cyathia are 5mm to 7mm across, with yellowish-white appendages on red glands. Cyathia produce the characteristic three-lobed seed capsule, and can appear year round, whether the plant is in leaf or not. *Euphorbia misera* occurs widely on sea bluffs, rocky arroyos, and on the hillsides from the northern border throughout the central desert south to Bahia Magdalena. It is also abundant on northern Gulf islands and on Isla Guadalupe. The local name is *liga*.

Euphorbia xantii is another drought-deciduous, branched shrub. This plant is often seen using a larger "host"

cactus or tree for support. Originally the "host" plant probably provided the shade and protection needed for germination. Its smooth slender green branches are erect or strongly ascending, and wand-like. The leaves are linear to oblong, and opposite or whorled in arrangement. The flat-topped inflorescence has 8mm to 10mm white to pinkish-purple cyathia that appear from December to April, depending on the amount of rainfall. This endemic species, also known as *liga* or *jumeton*, occurs on rocky hillsides and canyons from central Baja California to the Cape Region, and on some Gulf islands. *Euphorbia xantii* is frequently planted as an ornamental by the local citizens. I know of one such plant by a Mulege home that is about three meters tall — an extraordinary sight when flowering.



Euphorbia misera (A)

Euphorbia tomentulosa is a densely compact perennial shrub occurring on sandy and rocky bajadas, hillsides, and mesas from the San Felipe desert to the Cape Region. This species has tortuous woody pale gray under-branching and distinct dark red to brownish succulent top branches that often create a dome effect. The leaf blades are dark green, broadly oval to suborbicular, 5mm to 13mm wide with involucre* crowded on short branches. The inflorescence has a tiny, 2mm to 3mm wide, white with reddish center cyathia and reddish brown capsules 2mm long. While this species has a wide habitat, it has been my experience to find *Euphorbia tomentulosa* growing in isolated pockets throughout its distribution.

Jatropha cinerea is a spreading flexible branched bush — small tree. It has smooth grayish to brownish bark and grows to a height of one to seven meters. These shrubs are leafless most of the year. After it rains, they quickly leaf out and bloom. The entire to slightly three-lobed, grayish-green leaves are 4cm to 8cm wide and nearly as long. The leaves turn bright yellow and fall when the rainy season ends. The small pinkish tubular flowers may appear from August through November, and again in April, depending upon the spring rains. *Jatropha cinerea* is the dominant species in many locations with a widespread range over much of the Baja Peninsula. The astringent bitter, clear to yellowish sap flows freely when a branch is broken, and can permanently stain clothing. *Lomboy*, as it is known by locals, is used as an efficacious topical dressing for hardening the gums, chapped or sunburned lips, and on superficial wounds and abrasions. It is reputed to stop bleeding and is also used by the native people as a remedy for warts and sore throats, as well as relieving ulcers

and hemorrhoids. In some areas the branches are cut and planted to make living fences.

Jatropha cuneata often grows in close association with *Euphorbia misera*, on the desert slopes, plains, washes and mesas from the Central Desert area north of Bahia de Los Angeles to the Cape Region. The multiple thick branches with yellowish bark of *Jatropha cuneata* spread out in a fan-shaped bush that stands one to two meters tall. This very pliable shrub develops numerous dwarf spur branches on which inconspicuous pink to whitish urn-shaped flowers and clusters of wedge-shaped leaves are borne. The leaves are about 1cm to 2cm long, notched, emarginate apically and sessile**, or nearly so. The "Limberbush" or *matacora* to the native people blooms with the coming of the late summer rains. Peeled and pounded stems were used by the Cora Indians of Sonora and also the Seris to make baskets. The bark was used for tanning hides and dyeing.

Pedilanthus macrocarpus is one of the most unique Baja succulent plants. It has stiff, gray-green, erect cylindrical stems, one meter to one-and-a-half meters tall. Most branching occurs at the base although occasional side branches may develop. The stems have minute sessile leaves that quickly drop. Plants contain a milky sap. The slipper-shaped cyathia are bright red to reddish-orange and appear semi-annually in the spring and the fall. The asymmetrical cyathium, an apparent adaptation for bird pollination, is really a collection of a single central female flower (which develops into a conical seed capsule) and several male flowers. *Pedilanthus macrocarpus* is the only Baja California species of this genus; it grows on the plains south of San Pedro Martir to the near tip of the Cape and on several Gulf Islands. The milky juice yields a kind of

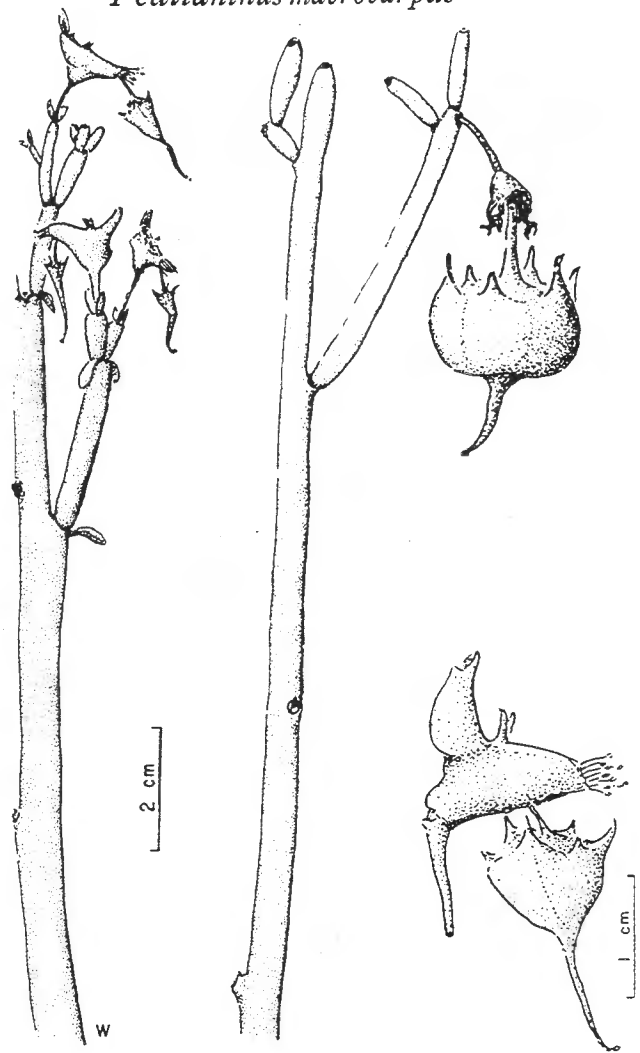
rubber. Extensive rubber harvesting of natural stands was conducted for a few months in the early 1940's. The natives used to cook the plant to obtain wax for making candles which explains the local common name, *Candelilla*. This process, however, is too arduous to commercially produce wax. The milky latex is used by the natives for chapped lips, cuts, and burns, although the latex may provoke severe diarrhea.

Baja California offers a varied and unique desert environment for those interested in cacti and succulents. While the succulent Baja Euphorbiaceae are few in number, members of this family may be the most abundant plant element at some localities. When traveling through Baja California one can easily find places where the species described above grow. In addition, one will experience first hand the other unique and wonderful flora of this very special place.

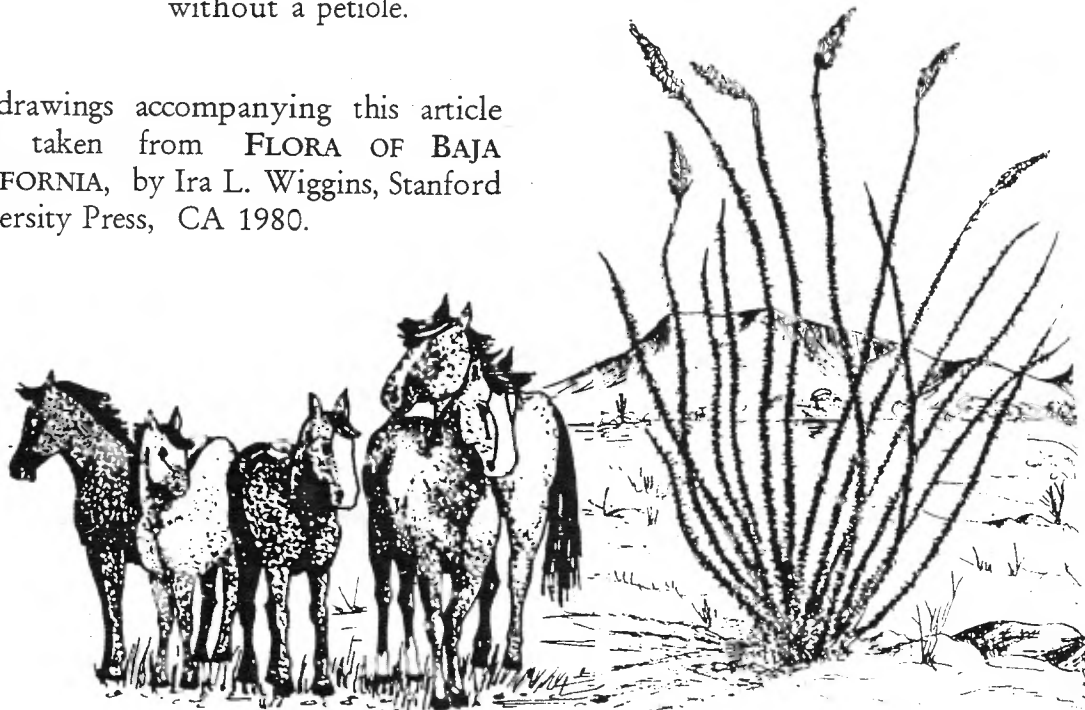
* involucre: a collection or rosette of bracts subtending a flower cluster, or umbel.

** sessile: attached directly, without a supporting stalk, as a leaf without a petiole.

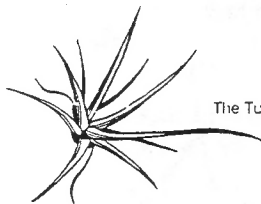
Pedilanthus macrocarpus



All drawings accompanying this article were taken from *FLORA OF BAJA CALIFORNIA*, by Ira L. Wiggins, Stanford University Press, CA 1980.



a **SERIOUS** and not all **CEREUS** look at **CACTI** and **SUCCULENTS** of the **SONORAN DESERT**



The Tucson Cactus and Succulent Society
Presents.....a **SERIOUS** and not all **CEREUS**
look at **CACTI** and **SUCCULENTS**
of the Sonoran Desert

PROGRAM SCHEDULE

FRIDAY, OCTOBER 11, 1996

10:00 AM - 6:30 PM Sales
Raffle-buy your tickets at TCSS Sales Area
Bring plants for Plant Show
2:00 PM - 6:30 PM **REGISTRATION**
6:30 PM - 6:30 PM Dinner (on own)
6:30 PM - 7:30 PM **WELCOME RECEPTION AND DESSERT**
7:30 PM - 8:30 PM Speaker, Peter Gierlach
*AGAVE at the Office:
A Horticulturalist Lost in Social Services*

SATURDAY, OCTOBER 12, 1996

8:00 AM - 9:00 AM **REGISTRATION**
Bring plants for Plant Show
Continuous Events
8:00 AM-4:00 PM Silent Auction-Place your bids
8:00 AM-6:00 PM Raffle - buy your tickets at TCSS Sales Area
10:00AM-6:00 PM Plant Show - vote for YOUR favorites

9:00 AM - 9:45 AM Speaker, Tom Van Devender
*HISTORICAL BIOGEOGRAPHY OF THE SONORAN
DESERT AND ITS' SUCCULENTS
10:00 AM-10:45 AM Speaker, Kent Newland
*OVERVIEW OF THE CACTI AND SUCCULENTS
OF THE SONORAN DESERT*
11:00 AM-11:45 AM Speaker, Gene Joseph
*GROWING POTTED CACTI AND SUCCULENTS IN
THE SONORAN DESERT*
12:00 PM - 2:30 PM Lunch (on own)

SATURDAY, OCTOBER 12, 1996 (continued)

2:30 PM-3:30 PM Workshops
1. Mark Sitter - BASICS AND MORE ABOUT GROWING
CACTI AND SUCCULENTS FOR THE LANDSCAPE
IN THE SONORAN DESERT
2. Kent Newland - AGAVES FOR ARIZONA GARDENS
3. Michael Stoklos - PLANT PHOTOGRAPHY: CLOSE UP
WORK
4. Gene Joseph - MOUNTING ROCK FIGS
4:00 PM **Silent Auction** ends EXACTLY at 4:00 PM!!
4:00 PM-4:30 PM Silent Auction highest bidders pick up
and pay for your plants, etc.
7:30 PM Dinner (on own)

SUNDAY, OCTOBER 13, 1996

7:00 AM - 9:00 AM Tour of the cacti and succulents of the
Arizona-Sonora Desert Museum by Mark Sitter
8:30 AM-10:30 AM **CONTINENTAL BREAKFAST**
Continuous Events
8:30 AM-11:00 AM Plant Show - vote for YOUR favorites
8:30 AM- 1:30 PM Raffle - buy your tickets at the TCSS Sales Area
8:30 AM- 2:30 PM Sales

10:30 AM-11:15 AM Speaker, Matt Johnson
*SUCCULENT TREES AND SHRUBS OF
THE SONORAN DESERT*
11:30 AM-12:30 P Workshops
1. Miles Anderson - GRAFTING CACTI AND OTHER
SUCCULENTS-A MISUNDERSTOOD METHOD OF
PROPAGATION
2. Julie Turko - GROWING EUPHORBIAS IN THE
SONORAN DESERT
3. Jane Evans - WINTER GROWERS: HOW TO GROW,
POT UP, AND PROPAGATE
4. Judy Mielke - LANDSCAPING WITH CACTI AND
SUCCULENTS
12:45 PM-3:00 PM **FAREWELL LUNCHEON**
Speaker, Richard Felger
*ECONOMIC USES OF SUCCULENTS OF
THE SONORAN DESERT REGION*
Announcement of Raffle and Plant Show winners

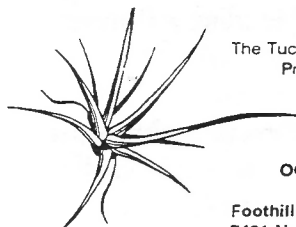
Choice of Workshops
Each workshop has a limited number of spaces. Available to paid registrants
only. Workshops run concurrently so you can attend only one on Saturday
and one on Sunday. Please decide which workshops (if any), you are
interested in attending each day and rate them in 1st, 2nd, 3rd, 4th order.
Rate only those you are interested in.

Saturday Workshops (2:30 PM-3:30 PM)

- Choice
- _____ AGAVES FOR ARIZONA GARDENS by Kent Newland
 - _____ BASICS AND MORE ABOUT GROWING CACTI AND SUCCULENTS
FOR THE LANDSCAPE IN THE SONORAN DESERT by Mark Sitter
 - _____ MOUNTING Rock Figs by Gene Joseph
 - _____ PLANT PHOTOGRAPHY: Close up Work by Michael Stoklos

Sunday Workshops (11:30 AM-12:30 PM)

- Choice
- _____ GRAFTING CACTI AND OTHER SUCCULENTS - A MIS-
UNDERSTOOD METHOD OF PROPAGATION by Miles Anderson
 - _____ GROWING EUPHORBIAS IN THE SONORAN DESERT by Julie Turko
 - _____ LANDSCAPING WITH CACTI AND SUCCULENTS by Judy Mielke
 - _____ WINTER GROWERS: HOW TO GROW, POT UP
AND PROPAGATE by Jane Evans



The Tucson Cactus and Succulent Society
Presents.....
a **SERIOUS** and not all **CEREUS**
look at **CACTI** and **SUCCULENTS**
of the SONORAN DESERT

OCTOBER 11-13, 1996

Foothills Mall
7401 North La Cholla Boulevard
(Ina & La Cholla - NW Corner)
Tucson, Arizona

REGISTRATION FORM

If more than one person will be attending, please duplicate this form and submit a
separate form for each registrant. THANK YOU!!

Your Name _____
Street Address _____
City _____ State _____ Zip _____
Home Telephone _____ Work # _____
e.mail _____ Fax Number _____
1. Fee TCSS Member \$25.00 ea. _____
Non-TCSS Member \$45.00 ea. _____

TOTAL ENCLOSED

Payment only by check or money order payable to "TCSS". Return form &
payment to: TCSS, c/o Odette, 3831 North Cherry Creek Place, Tucson, AZ 85749

2. Plant Show
Please indicate if you plan to enter plant(s) in the Show Yes _____ No _____
(if yes, please see enclosed Plant Show Guidelines and Rules and Plant Show
Entry Forms)
3. Would like the tour of the cacti and succulents of The Arizona-Sonora Desert
Museum (limited space for 20) Available to paid registrants only
Yes _____ No _____

Please tell us how you heard of our event? _____

Should you be in need of any additional information about this educational, fun
weekend, please feel free to contact us. Mary Odette, 3831 North Cherry Creek
Place, Tucson, AZ, 85749, Telephone (520) 749-2285 or odette@azstarnet.com.
Dick Wiedhopf FAX (520) 626-4063 or wiedhopf@tonic.pharm.arizona.edu. We
will be glad to assist you in any way we can. We look forward to seeing you!



We just know that there is a ton of talent out there even amongst our small proclivity driven interest. We encourage your doodles, cartoons, artwork, poems, puzzles, thoughts, research articles, and adventure stories. Don't throw away that PhD thesis!!! Send it to Joyce! She makes treasures from some of my trash. The rest I do myself.

"Michael," she says, "*this is too esoteric and obscure. Get a clue!*"

And I reply, "*God, Baby, I love it when you talk to me like that.*"



MY BURDEN

It is a delight to find:

A bottle cap, a lens cap
A rusted tin can, a new coke can
An old pie tin, a new pie tin
A Model T throttle, a broken beer bottle.

It is a delight to find:

Old bed springs, new assorted things.

It is a delight to find:

An old sign — WATER AHEAD
A new sign — NO ENTRY.

It is a delight to find:

These treasures, these measures
And carry them out of the desert.

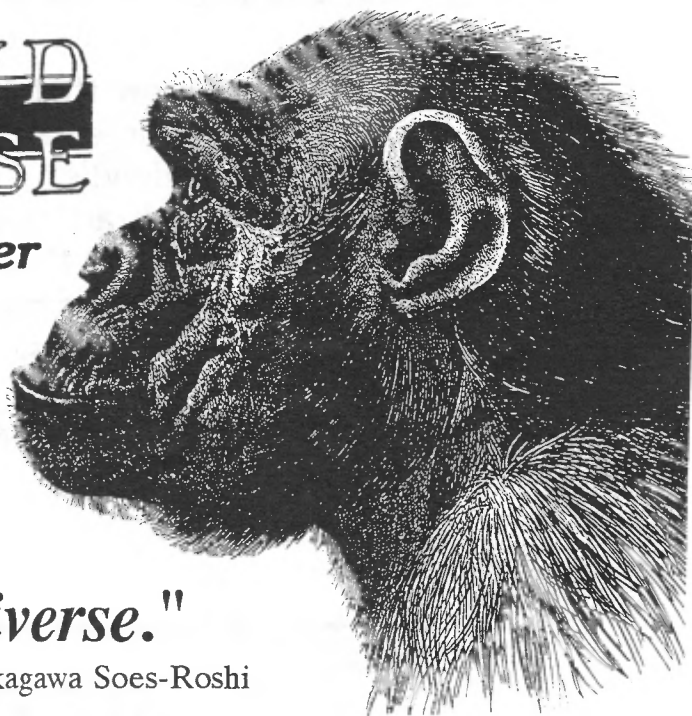
My burden is your burden.

Michael Buckner

"Beauty will save the world." — F. DOSTOYEVSKY

WISE AND OTHERWISE

by Michael Buckner



*"All are nothing
but flowers
In a flowering universe."*

Nakagawa Soes-Roshi

By what miracle does the cracker made from Kansas wheat, the cheese ripened in French caves, this fig grown and dried near Ephesus, turn into me?

*My eyes
My hands
My cells, organs, juices,
Thoughts?*

Am I not then Kansas wheat and French cheese and Smrna figs? Figs no doubt, the ancient prophets ate?

JUDITH MORLEY

So Full of a Number of Things

It is better than crabs in curry,
better than icy beer
or tangerines, this
feeling, this
sudden, crazy feeling that
is better than Brahms on stereo,
better than harem girls on velvet or
beach boys in cocoa butter,
better than Hamlet, better than Mr.
Universe, this
sudden and perfectly sensible feeling
that is better than carpeted bathrooms
or double-breasted suits,
better than finding a quarter
or seeing a kangaroo or
holding a smooth

stone—this feeling,
here in the afternoon sun,
that our grimy street is opening up
to one long windy beach,
and every pigeon on the block
is already a soaring gull,
and we're standing out here on the sand,
and we suddenly feel sure,
without any doubt at all,
better than Plato or Revelation,
that tomorrow the taste of sunrise
will be better than crabs in curry,
better than icy beer
or tangerines.

PHILLIP APPLEMAN
Darwin's Ark, 1984, Indiana Press

***You are uprooting the Earth and
We are divining to discover how
to teach you to stop. . . .
We work to take care of the world. . . .
We are all here to give a warning. . . .
Kogi Mamas, 1990***

From the Heart of the World:
The Elder Brothers' Warning, a
documentary film by Alan Ereira,
BBCTV - Goldsmith Foundation,
1990. McLuhan, T. C., The Way
of the Earth, 1995, Simon &
Schuster, NY. *The Kogi people
live in the Sierra Nevada da Santa
Marta, Columbia, South America.
They represent the most complete
surviving culture of pre-conquest
America. It is their fundamental
belief that they are the guardians of
life on earth.*

"One word of truth outweighs the whole world."

RUSSIAN PROVERB

"We have engrossed the earth and must now play God to the other species. But deliberate war on any species, especially species of such evolved beauty and precise function, diminishes, endangers, and brutalizes us. If we cannot live in harmony with other forms of life, if we cannot control our hostility toward the earth and its creatures, how shall we ever learn to control our hostility toward each other?"

Wallace Stegner, **COUGAR, Ghost of the Rockies**, c. 1992, McCall & Dutcher, taken from 1992, Sierra Club Books introduction, SF; contributed by Alan Weiss.

***"the ideals which have always shown before me and filled me with
the joy of living are goodness, beauty, and truth."***

Albert Einstein from **STRANGE IS OUR SITUATION HERE UPON EARTH**, 1921
acceptance speech - Nobel Peace Prize.

"He who knows nothing, loves nothing. He who can do nothing understands nothing. He who understands nothing is worthless. But he who understands also loves, notices, sees. . . . The more knowledge is inherent in a thing, the greater the love. . . . Anyone who imagines that all fruits ripen at the same time as the strawberries knows nothing about grapes."

Paracelsus — taken from the introduction of **THE ART OF LOVING** by Erich Fromm, 1956, Harper & Row, NY.

***"The eagle never lost so much time as when she
submitted to learn of the fox."***

VIDALIAN FOLKSONG

"Midway in our life's life, I woke to find myself alone on a small dark planet. Who can name what globe that was! I never saw so drear, so heavy, slow a swamp. Earth's very thought gives shape to fear."

Bellatrix translation of Johan Cardi from **WHAT DOES WOMAN WANT**, by Dr. Timothy Leary 1921 - 1996.

Espinas y Flores

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

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Monthly Supply Sales - George

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Picnic - Tom and Laura DeMerritt

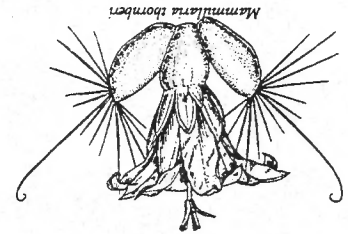
— Other Committees —

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



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