

Espinas y Flores

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

Affiliated with the Cactus and Succulent Society of America

Volume 37, Number 2, Saturday, February 9, 2002 at 1:00 PM



Alfred Lau: Xerophyte Treasures and Explorations

by Stan Yalof

Two years ago, I made my first trip to Belize and met with Don Alfredo at a remote Mayan village sited in the Toledo Rainforest. He had educated many of the villagers about their plant and animal treasures and they had become protective of their biodiversity. I was amazed when children as well as adults could recite the Latin names of flora and knew quite a lot about them. One village had built a wilderness trail leading to a mountain top thatched hut, hoping to attract naturalist visitors.

Alfred was the villagers' guide and educator. This kind of responsibility he has taken for most of his life. Besides being an accomplished explorer and the discoverer of many, many plants, he has changed the lives of many people, educating them and raising their ambitions. The Governor of Zacatecas, Mexico wrote to me, mentioning that he had never heard of anyone to whom so much gratitude was given. Alfred and his wife started and ran a school for native Mexicans in Vera Cruz. A source of income for the school was seed collection. His classes camped, explored, and collected.

Alfred has explored all of the Americas, from north to south. He can out walk almost anyone I know. His plant discoveries are too many to list here, but include among the xeric plants: epiphytic cacti, *Mammillaria* (including the lustrously glorious *M. laui*), *Echinocereus*, *Agave*, *Echeveria*, *Graptopetalum*, etc. Nor are these the limits to his interests. He also has passions for bromeliads, carnivorous plants, passionflowers, orchids, reptiles, etc.

He will talk to our San Diego Club on February 9 and to the Palomar club on February 23. The talks will be drawn from both past and very recent explorations but will be largely different. Y'all come!



Cover Picture: I purchased this picture from Lau when he presented at the Palomar Club several years ago. It is the very elusive *Eriocyse laui*, a plant I have spent hours looking for with no success. Lau hiked up the coastal mountains of Tocopilla, Chile, over 1000 feet, and found this little gem many years ago. He is one of a handful of people that have seen this plant and many other unique wonders in habitat. Do Not miss his program!



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

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Newsletter submissions are due before the 14th each month

Unless other arrangements are made

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PRESIDENT'S MESSAGE FEBRUARY 2002

Hello Succulent Friends. Our Winter Show and Sale (Jan.12, 2002) was great! The display of plants was quite spectacular - almost double the number from the year before! Thanks to all of you who brought in your beautiful plants; it is so fun to see the plants that look so great this time of year. Tom De Merritt's Aloes and Rudy's amazing *Crassula* were show stoppers in a totally outstanding exhibit. Special thanks to Ed DeLollis for his great job of organizing - made much easier due to the number of people who sent him postcards informing him of the plants they were bringing (it worked) We know who reads the Newsletter!

Speaking of Ed — what a fine job he did in marshaling the set up in the morning as well as the breakdown at the end of the day - a long one! The sale was quite successful also, thanks to the bang up cashiering team - Michelle Heckathorn, Joe Jean Wolcott and, running the operation - would we be without George (more tables) all your efforts are appreciated. Of course excellent vendors. The variety and quality time of year - I hope you were all pleased

When I think of all the work that goes successful day, I feel privileged to be a part time members like Ethel Standish, who volunteers and welcome to strangers at the Martin, who brought in show plants and Also, to returning members, Merle and Lorna Sue Odegaard who were pitching in wherever needed. Thanks to all of you ... too many to mention, who happily offer your support and efforts. From bringing goodies to snack on, to guarding the show plants, and helping with cleanup. I am so impressed — A GREAT TEAM effort!

Speaking of volunteers: we have a couple of great opportunities to be involved with this Society at a greater level ... we are looking for volunteer(s) to edit the newsletter and someone to manage the membership list. These jobs are vital to our organization. The people currently doing these jobs have them very organized and computerized and are very willing to train and support new volunteers. If you have some skills in computers and a few hours a month to work with a great team ...call me, send an email or just talk to me.

This is a great Society - lets keep it up. Pam Badger pambadge@earthlink.net



Pam, at the Show

Kraatz, Spencer Maze, Cindy Wead, Carol Tom Birt. Others helped out where Plaisted? I'm sorry if I missed someone - there would be no sale without our of plants was breathtaking- especially this with the results.

into making such a pleasant and of such a fine group of people. From long brought cookies and cheer to the door; to the newer members like Cena pitched in setting up tables and sweeping.



Mr. Lee Badger, in front of a fantastic winter display



Rudy Lime's amazing *Crassula*



Carol Jean Wolcott, Tom Birt and Spencer Maze. Tom is the sales chair, those fast scanning registers speed the check out!



All Vendors are members but not all members are vendors! Here is some of our vendors: Dick Hulett, Nubia and Phil Bunch. Dick drove down from San Pedro.



Juergen Menzel, Ed DeLollis, Herb Stern and Ester Avery, taking a deserved break.



Michele Heckathorn, Joe Kraatz and Cindy Wead, one of the alternate register crews



Merle & Lorna Sue Odegaard, Elise Udwin and Joey Betzler, posed for a picture.

Calendar of Upcoming Events — 2002 —

FEBRUARY

22-24 C&SS of New Zealand Convention. Hosted by Bay of Plenty Branch at the Hotel Armitage, Tauranga.
Info: Andrew D A Ross, PO Box 1011, Tauranga, New Zealand, or e-mail: cactus@xtra.co.nz.

MARCH

30-31 Do you want to see a spectacular cactus show and sale? Then go to the annual Colorado Cactus and Succulent Society Show and Sale. It is at the Denver Botanic Garden. For more info contact: Pamela Story (Pam) - 303-979-8171 or Helen Norton - 970-353-9581 or jcuscaden@aol.com.

APRIL

7-13 27th Congress of the International Organization for Succulent Plant Study (IOS) at the Desert Botanical Gardens, Phoenix, AZ. See IOS Web Page: www.iosweb.org

JUNE

1-2 SDCSS Spring Show and Sale. Start planning for those award winners, it is never too soon!
7-9 Mid-West Regional Conference, Kansas City, MO. Details: Eva Allen 816-444-9321 or e-mail: emallen@earthlink.net Check out their web page at <http://ourworld-top.cs.com/kccss1809>
8-9 C&SS of Queensland Show and Sale Mt. Cootha Botanic Gardens. Details from club, e-mail: cssq@powerup.com.au or check out their web page at <http://www.powerup.com.au/~cssq>

JULY

6-7 CSSA Show and Sale at The Huntington Botanical Gardens.

AUGUST

15-16 British CSS Convention at Loughborough University. Email Charles@btinternet.com
31 Huntington Succulent Symposium. Call 626-405-2160 for details and topic.

FYI FYI FOR YOUR INFORMATION FYI FYI

- ⇒ Member **George Nauyok**, returned a while ago from Illinois, sorry to say that he attended his father's funeral. George sorry for your loss and welcome back.
- ⇒ **Nibby Klinefelter** was not able to attend our holiday party because she was at her 80th Birthday Party. Her wonderful kids threw a bash in her honor ... many happy returns Nibby!
- ⇒ Do you remember the last time you visited the succulent garden at Balboa Park? Even if you do, get over there and take another look. The Aloes are blooming and with the little bit of rain that we have received everything is looking happy. Just cross the foot bridge and you'll be transported to a succulent paradise.
- ⇒ Email has its good and not so good sides. The last *Cactus Courier*, the newsletter of the **Palomar Cactus and Succulent Society** was a surprise to me. I wrote a note and broadcast it to many folks that I know, that have email addresses. I did not expect to see in print till I published it here and I was happily surprised to hear about the note from someone else, Susan McLeod. The note is published on the next page "The Passing of a San Diego Cactophile ..." This instant communication is an example of the good sides to email in my opinion. Glad that this note made it for their newsletter. Good Job **Paul Steward!**
- ⇒ Are you thinking of the June Show and Sale yet? Well start planning now! We need you to be thinking about those entries and classes. If you want to know more about getting those entries ready come to the March 9th meeting. **Lee Badger** will be giving tips of show preparation!

The Passing of a San Diego Cactophile ...

I WENT BY HIS OLD HOUSE THE OTHER DAY, REMINISCING. HE USED TO LIVE NEAR where I live now, on Mt. Everest Street, here in the neighborhood of Clairemont, part of San Diego. The front yard of his old place has a great *Alluaudia*, *Euphorbia ingens* and assorted cacti. The few *Pachypodiums* near the front of the house are taller than the eaves of this small house, a classic cactophile's front yard. Carl McLeod had a "bad ticker" as he used to say, and died on January 16, from complications of this condition. I was over at his house toward the end of September, to help reinforce some planters on the bank in the backyard, around some palms. He was planning for the future even then and talking about what to do with his plants after he was gone.

I talked with his wife Susan on the Friday after he had died. She relayed the sad news. Carl had left word for Susan to call me when he had passed, to help get the word out. She told me that there would be a memorial service scheduled for the next Tuesday. Susan said that they thought he would have a bit more time, but alas, he did not. At the service, a woman that volunteered with Carl told about what a great worker he was and his interest in plants, especially of his love for Cacti. The minister even told of Carl's gift to him of two cacti.

I met Carl when I was starting out in the San Diego Cactus and Succulent Society, in 1984. He was a good plantsman, and great conversationalist. He was one of the forces at our monthly meetings back then, selling plants and answering questions. On weekends he was at the local 'Swap Meets' selling plants and drafting members, he always handed out club fliers. I think that he really enjoyed meeting new folks and talking to people. Over the years I have met people that heard about our club from Carl. In 1986, Mitch Bahr and I helped Carl move most of his plants from the house here in Clairemont to his new home in Rancho Penisquitos.

I really got to know him when he was a Baja Garden volunteer at the Wild Animal Park, when I started. Part of the 'old crew' back when: Frank Thrombly, Bob Herbst and Tom Parks were around. Carl left for a while, came back, then he got very busy with his girls: Pauline and Karen, and he was getting weak from his heart condition. I took over the care of watering at the Baja Greenhouse from him, a few years ago.

Carl was in the Coast Guard for 20 years, and Susan said some of his fondest military memories were working in the waters around Alaska on Ice Breakers and although I do not know all of his military history, he had the mannerisms and the wit of the Service. He became a family man late in life, married at 45 in 1980, with two girls and a wife that he loved. Rightly so, he became a devoted father, and his plants took second place to his family. He became 'Mister Mom', while Susan went back to school to work on her degree, and later while she worked.

Carl invited the volunteers over to his place in Rancho Penisquitos a couple of times to come and salvage and take plants for the Baja California and Old World Succulent Gardens, and their plant sales. He was very pleased that there was a new group of energetic folks to carry on. I will always remember his dumb jokes and his constant fussing with that old straw hat.

Sincerely, Joseph Betzler



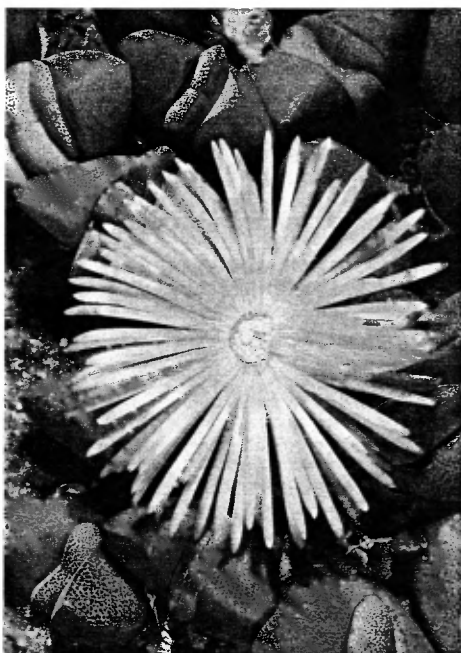
Carl McLeod, in a rare moment without his straw hat, working with and Stan Yalof on Baja Greenhouse roofing project in 1998.

Cheiridopsis: A Quick Overview

by Phil Bunch

So what the heck is a *Cheiridopsis* and why should I grow one? I don't know of any widely accepted common names, but quite simply, they are tough little mesembs that grow and flower easily in Southern California. When they are not in bloom, their leaf form and coloration keep them interesting. They are on the small side and a nice collection can be maintained in a limited space with little fuss. In addition, you can leave them unattended during a summer vacation without guilt or fear!

In recent years many mesembs have been given new names at both the species and genus levels. *Cheiridopsis* is no exception. While 100 names have been applied to the species over the years, only 29 are now recognized. Many of the old familiar names have changed. *Cheiridopsis candidissima* is now *C. denticulata* and *Cheiridopsis pulverulenta* L.Bolus is now called *C. schlechteri*.



Looks can be deceiving; this is not a *Cheiridopsis*, its *Ihlenfeldtia vanzylii*

Several plants formerly included in *Cheiridopsis* have been moved to other genera. The most familiar are *Ihlenfeldtia excavata* and *I. vanzylii*. These are still seen labeled and sold as *C. excavata* and *C. vanbredai* respectively and superficially look like *Cheiridopsis*. Other former *Cheiridopsis* that look quite different are *Deilanthus hilmari* and *Deilanthus peersii*. These were shuffled into *Aloinopsis* prior to finding a more comfortable home in their current genus. A couple of other examples are *Cheiridopsis braunsii* which is now known as *Argyroderma fissum* and *Cheiridopsis cuprea* which is considered to be *Cephalophyllum caespitosum*.

Heide Hartmann has created three subgenera in *Cheiridopsis*. The Subgenus *Cheiridopsis* is characterized by the presence of two leaf pairs of different shapes. One pair forms during the rainy season and subsequently encloses the other during the dry season. *Cheiridopsis cigaretifera* and *C. peculiaris* are well known members of this group.

Plants of the Subgenus *Aequifoliae* are compact growers, with leaves about the same length and without obvious differences between subsequent leaf pairs. These plants form clumps and internodes or stems are generally not visible between the leaf pairs. Some familiar species included *C. caroli-schmidtii*, *C. herrei* and *C. purpurea*.

Hartmann's Subgenus *Odontophoroides* has leaves that are more or less equal in length and have no distinct differences between the subsequent pairs. Normally several leaf pairs formed during each growing season and the plants vary from fairly compact clumps to upright subshrubs. In general, the internodes are visible as stems between subsequent leaf pairs. *C. umdausensis* is an example.

All known species of *Cheiridopsis* occur in a broad band between Ludertiz, Namibia to the northern parts of the Western Cape Province in the Republic of South Africa. They are most abundant in Namaqualand and the Richtersveld with the largest concentration of species in the Steinkopf and Platbakkies areas.

The entire distribution area for *Cheiridopsis* is within the predominately winter rainfall area. Occasional late summer thundershowers occur in their northern most haunts but these are few and far between. The average annual rainfall is very low throughout most of this range. However, fog is an important source of moisture near the coast and at some elevations in the hills and mountains. Heavy dew also occurs and provides these shallow rooted plants with a significant part of their moisture.

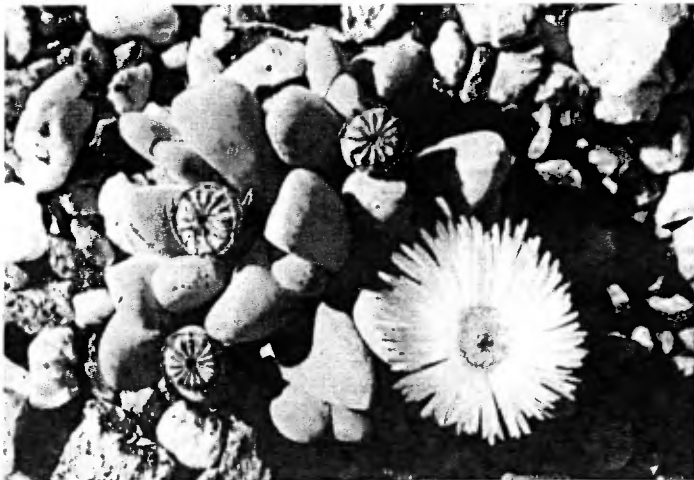
The plants occur on a variety of soils and microtopographies. These include sandy areas where erosion has brought calcrete close to the surface, rock outcrops and stony slopes. Some are found at low elevations while others occur only on peaks and high plateaus. *Cheiridopsis peculiaris* is found on crumbling outcrops of purple black slate in very hot areas. This is unusual in mesembs as most occur on light colored substrates.

Cheiridopsis are winter and spring bloomers. The first to bloom for me is generally *C. purpurea*. *Cheiridopsis cigarettifera* generally starts in late December of early January and continues through February, sometimes into early-March. Expect *Cheiridopsis* to open their flowers in the mid to late afternoon. A few will open earlier on warm, bright days.

Cheiridopsis offers a range of flower colors although most of the species tend toward various shades of yellow. These vary from bright chrome to creamy yellow and many develop orange and red tones as the flowers age. Some species such as *C. pillansii* are quite variable with flower colors including white, straw, peach, yellow and orange-red. In my cohort of *C. verrucosa* from Mesa Garden seeds (MG 1404.31) most of the plants bloom with a light yellow flower that fade to a peachy color but one has a lovely apricot bloom from the start. *Cheiridopsis purpurea*, *C. speciosa* and *C. glomerata* bloom in magenta to purple shades.



Cheiridopsis speciosa, showing its burnished petals



Cheiridopsis pillansii in habitat

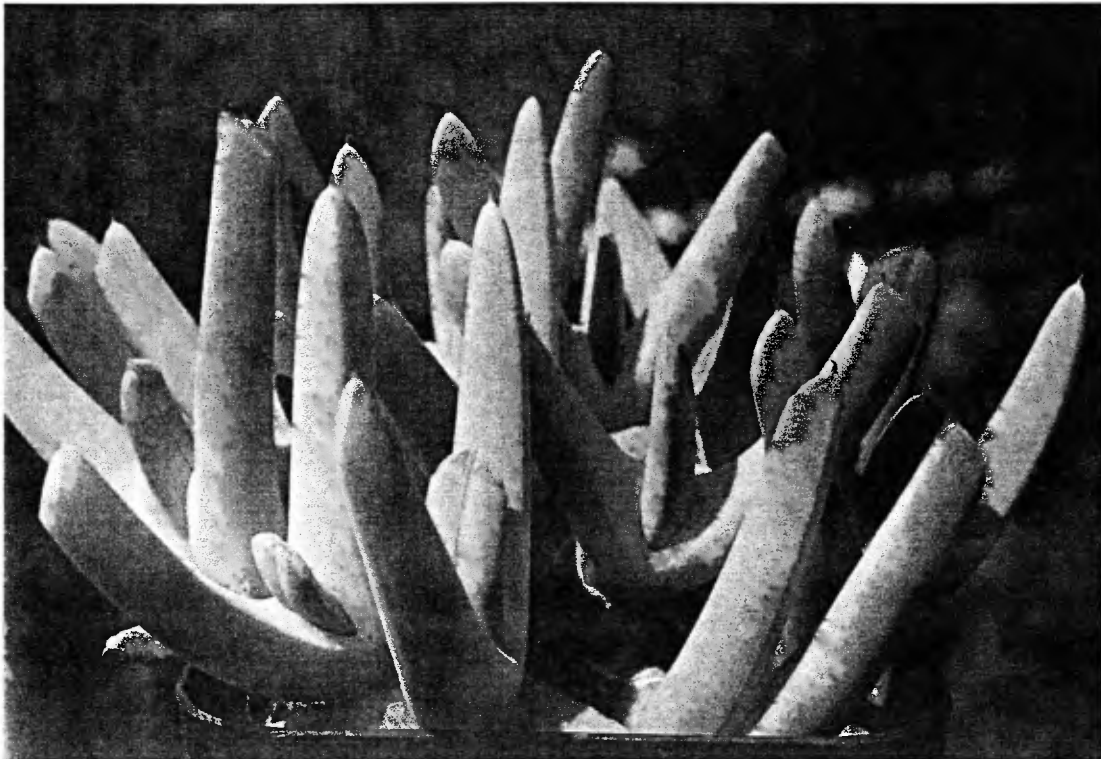
As with many mesembs the foliage is as important as the flowers. For example, *Cheiridopsis umdausensis* is rather green during the growing season but turns rich red during the hot dry days of summer. Many of the smaller clumping species are blue-gray and may become quite brown during the dormant period. *C. cigarettifera* wraps a leaf sheath around the upright, resting leaf pairs. *C. velox* has teeth at the leaf tip and *C. verrucosa* has very fat, egg-shaped leaf pairs. Keep in mind

that *Cheiridopsis* originated in winter rainfall areas, water accordingly and you will find them easy to grow. My usual potting mix includes sand, pumice and coir at a 1:1:1 ratio. There is no magic in potting mixes as long as you vary watering frequency to match your mix. Water less often in heavy soils, more often in lighter mixes. Regular watering can begin in late summer when it begins to cool off (usually mid to late-September). Once the nights are getting down into the low 50's F the plants are growing and preparing to bloom. It is best to prevent the plants from staying soaked for long periods of time, especially when the night temperatures are dropping into the 30's. During the coolest part of the year the plants don't need as much water. In about five years of growing these plants I have yet to see cold damage although light ground frosts are not uncommon where I live.

Most *Cheiridopsis* benefit from light watering or misting during the summer, but not enough to start them growing. This is not strictly necessary, particularly if given some shade during the hot months. Feed them lightly but frequently while in growth. One word of warning, *C. peculiaris* should not be watered after it's finished blooming and the resting leaves are well formed. This causes them to produce "winter leaves" prematurely and the heat and sun may damage them.

This is the first year I have tried *Cheiridopsis* in the ground. I planted several *C. cigarettifera* and *C. caroli-schmidtii* on a level spot with a thick layer of pea-gravel. So far so good! I would be much more comfortable if I had a fairly steep slope on which they could be planted.

There you have it, *Cheiridopsis* in a nutshell. Plants that have fed the flames of taxonomic intrigue and which still keep scientists working. Easy to grow, easy to flower and tolerant of abuse that would kill most other plants, this genus could well be the focal point for a specialist's attention and a few belong in every collection.



Cheiridopsis candidissima from Gordon Rowley's book, The Illustrated Encyclopedia of Succulents

A System of Seed Propagation for Cacti

By W. A. Fitz Maurice

While another set of directions on the propagation of cacti from seed might normally be as welcome as ants at a picnic, we feel that the method developed by Manuel Rivas of the University of Mexico Botanical Gardens is sufficiently unusual and practical to be of interest. The Rivas method produces plants of the order of 1 – 2 cm (3/8 – 3/4 in.) in height over 1 – 2 years with no post planting attention whatsoever, which is, no watering, no nutritive, no pesticides, and no fungicides after initial planting. Germination rates are well over 90%.

The essence of the system lies in the use of a sterilized environment in a sealed container. Rivas uses the following:

Glass jar: Approximately 1-liter (1-qt) capacity, sealable and microwavable (including cover). A wide mouth is necessary to allow convenient access. Instant coffee jars with plastic lids and nonmetallic seals work well.

Growing medium: Soil-free humus sifted through a 0.8 mm (1/32 in.) mesh mixed with river sand (construction grade), 1.5 – 2.5 mm (1/16 – 1/8 in.) size, mixed in the ratio of 1 part humus to 4 parts sand by volume.

Water: Distilled or rain water (pH 5.5).

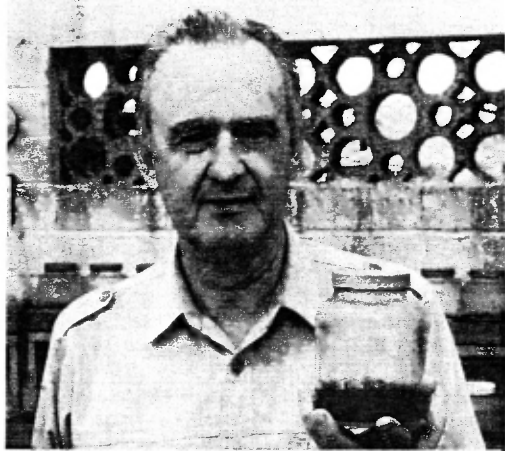
Shallow dish: 10 – 15 cm (4 – 6 in.) wide. The plastic dishes that come with microwave dinners work well.

Fungicide: Natriphene of Benlate, 30 ml per liter (1 teaspoon per quart) or equivalent.

Spray bottle: All plastic and microwavable.

Utensils: Measuring cup with 250 ml (8 oz.) capacity, plastic measuring spoon with 5 ml (1 teaspoon) capacity, tweezers sufficiently long to reach the bottom of the jar, plastic plant label, and a small wooden stick (a bamboo skewer does well).

When the urge to grow from seed becomes overwhelming, prepare sufficient fungicide solution to largely fill the shallow dish. Soak 10 – 20 seeds, the business end of the tweezers, one end of the wooden stick, and the filled out plant label. Soak for about 12 hours. Then pour off the fungicide solution and allow all to dry sufficiently so the seeds do not stick to the dish or each other after being dislodged. Measure out 200 ml (6 oz.) by volume of well-mixed growing medium into the jar. Add 20 ml (4 teaspoons) of water. Place the cover on the jar loosely. Put sufficient water in the spray bottle to provide for 10 – 20 sprays and replace the top loosely. Place both the jar and the spray bottle in a microwave oven and process at full power for 4 min.



Manuel Rivas and his seed set-up

From here on touch nothing with your fingers except the outside of the bottle and cover, the spray bottle, and the tools. Remove the cover from the jar. Use the wooden stick to loosen the seeds in the dish and tilt the dish while gently tapping the side of the dish with the stick to broadcast the seeds over the surface of the growing medium in the jar. Tighten the top of the spray bottle and “set” the seeds with 4 – 6 sprays. Put in the label with the tweezers. Replace the cover on the jar and tighten to seal.

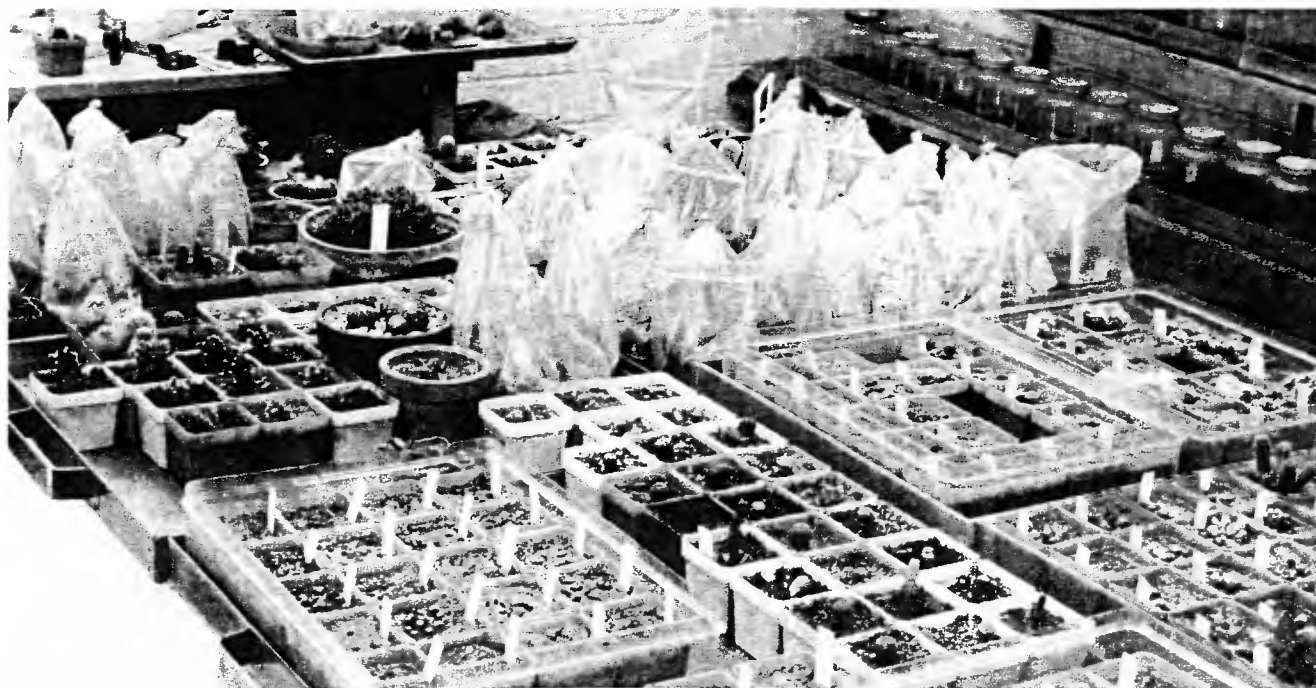
That does it for the smaller seeds such as those from *Mammillaria*. For larger seeds such as those from *Astrophytum*, Rivas adds a teaspoon or two of sterilized (in the microwave as above) growing medium to the dried and loosened seeds in the dish and then broadcasts the seeds and growing medium together to aid in the “setting.” In all cases, the seeds will be partially visible after the “setting” process.

If the jar has a removable plastic or rubber seal then soak it with the seeds and reassembled when the cover is about to be sealed (no fingers!). The tweezers can be used to place seeds as an alternative to broadcasting, adding a little sterilized growing medium for the larger seeds before “setting”.

The sealed jar should be placed in a light, somewhat warm place, out of direct sunlight. Rivas’ jars exposed to a temperature range of 10° – 35°C (50° – 95°F). A warmer environment produces more rapid growth. There is no season; sow any time.

The jar should be left unopened for 1 – 2 years, checking only for plant growth. When the plants have grown to 1 – 2 cm (3/8 – 3/4 in.), they can be potted. Open the jar and run a knife around the inside to loosen the growing medium. Remove the plants with tweezers. They are ready to pot with a very modest amount of water. Place a 25 – 30 cm (10 – 12 in.) stake in the pot and put the pot in a plastic bag, drawing the mouth of the bag toward the top of the stake and fastening it closed (a rubber band works best). This provides an enclosed humid atmosphere and will serve until the plants double in size. Then gradually open the bag over a period of a few weeks allowing the plants to adjust to a less humid atmosphere, finally removing the bag altogether.

These directions include nothing about seed preparation as we feel ample has been written in that regard. In fact, Rivas does no preparation for the smaller seeds. Like most direction, these probably have some confusion built in. At the meeting we will have some pros describe their method for growing seeds and answer any questions you might have about this very rewarding method of propagation.



SDCSS Meetings 2002

Meetings are held on the second Saturday of each month, (except June, Sept., and Dec.), at 1:00 PM in Room 101, Casa del Prado, Balboa Park in downtown San Diego. Admission is free and all persons with an interest in Cacti or Succulents are invited! Arrive early to shop at the pre-meeting plant sale. For more information see back page.

Date	Cactus of the Month	Succulent of the month	Program
Jan. 12	5th Annual Winter Show & Sale		Steven Hammer - Conophytum, mesembs and their beauty
Feb. 9	Cactus from Seed by Phyllis Flechsig and Joe Quijada	Color in Mesembs: In the Container and the Landscape by Phil Bunch	Alfred Lau Plant Discoveries
Mar. 9	Getting Plants Ready for Shows by Lee Badger	<i>Dorstenias</i> by Alan Weiss	Juergen Menzle Pediocactus in Habitat
Apr. 13	<i>Echinocereus</i> by Mark Fryer	<i>Pelargoniums</i> by Michelle Heckathorn	April Muridian Socotra 2002
May 11	<i>Astrophytum</i> Cultivars by Kelly Griffin	The <i>Lamiaceae</i> by Joyce & Michael Buckner	Namaqualand Rob Skillen
June 1 -- 2	ANNUAL JUNE SHOW PLEASE PARTICIPATE Friday set-up 10:00 AM to 8:00 PM Sale Begins 9:00 AM Sat & 10:00 AM Sunday		June Show & Sale Free to All Please Volunteer, we need you!
July 13	<i>Lobivias</i> by Chris Miller	Some Mesembs by Terry Parr	Galapagos Islands Pam Badger
Aug 10	<i>Ferocactus</i> by Dick Kessler	<i>Lithops</i> by Tom DeMerritt	TBA
Sep. 14	Annual potluck picnic and plant auction . . . bring out those goodies!		
Oct. 12	<i>Turbinocarpus</i> by Jurgen Menzel	TBA	TBA
Nov. 9	<i>Copiapoa</i> by Tom Knapik	Agaves of the Lower 48 by Kelly Griffin	TBA Woody Minnich
Dec. 12	Annual holiday dinner, gift exchange, plant drawing and famous potluck desert!		

All programs are subject to change. Always check the most recent Espinas y Flores for updated info.

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Editors: Tom Knapik - 619-462-1805 Joey Betzler - 858-569-8510 Three-to-Go Mail to: 4669 71 St., La Mesa, CA 91941 call for fax or e-mail eyf2000@aol.com		Conservation: Joey Betzler and Kelly Griffin Education and Exhibits: Brag Table – Shirley Berry and Kay Quijada Plants of the Month – Jeff Harris and Lee Badger Summer Show – Tom Knapik, J. Betzler and Kay Quijada Winter Show – Ed DeLollis History: Terry Parr Liaison: Balboa Park Desert Garden – Susan Hopkins CSSA Affiliate Rep. – Kelly Griffin Quail Botanic Gardens – Phylis Flechsig San Diego Botanic Garden Foundation – George Plaisted San Diego Floral Association – Elizabeth Glover S. D. Wild Animal Park's Baja and Succulent Collections – Chris Miller Library: Tom Birt HELP WANTED	Membership: Joey Betzler (858-569-8510) , Tom De Merritt Mailing: Pam Badger and Jeff Harris Plant and Seed Exchange: Plants – Michele Heckathorn and Sara Schell Seeds – Kelly Griffin Plant Sales and Supplies: Annual Sales – Tom Birt Auction and Holiday Plants – L. Badger, and Tom De Merritt Benefit Table – Lee Badger Monthly Plant Sales – Jeff Harris and Joe Kraatz Monthly Supply Sales – George and Jerry Plaisted Publicity: Tom De Merritt and Stan Yalof Programs: Kelly Griffin (760-942-4866) Reception: Ethel Standish Regalement: Monthly – Rudy Lime and Stefy Mangold Picnic – Laura and Tom De Merritt
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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 \$15.00 per single member per year, \$5.00 for each additional (associate) member within the same household. Single copies of *Espinás y Flores* are \$2.00 per copy sent within the USA; foreign subscriptions are \$30.00. Affiliated with the CACTUS AND SUCCULENT SOCIETY OF AMERICA, INC. The **New** SDCSS Web Page is: SDCSS.COM - please take a look and give feedback to the webmaster.