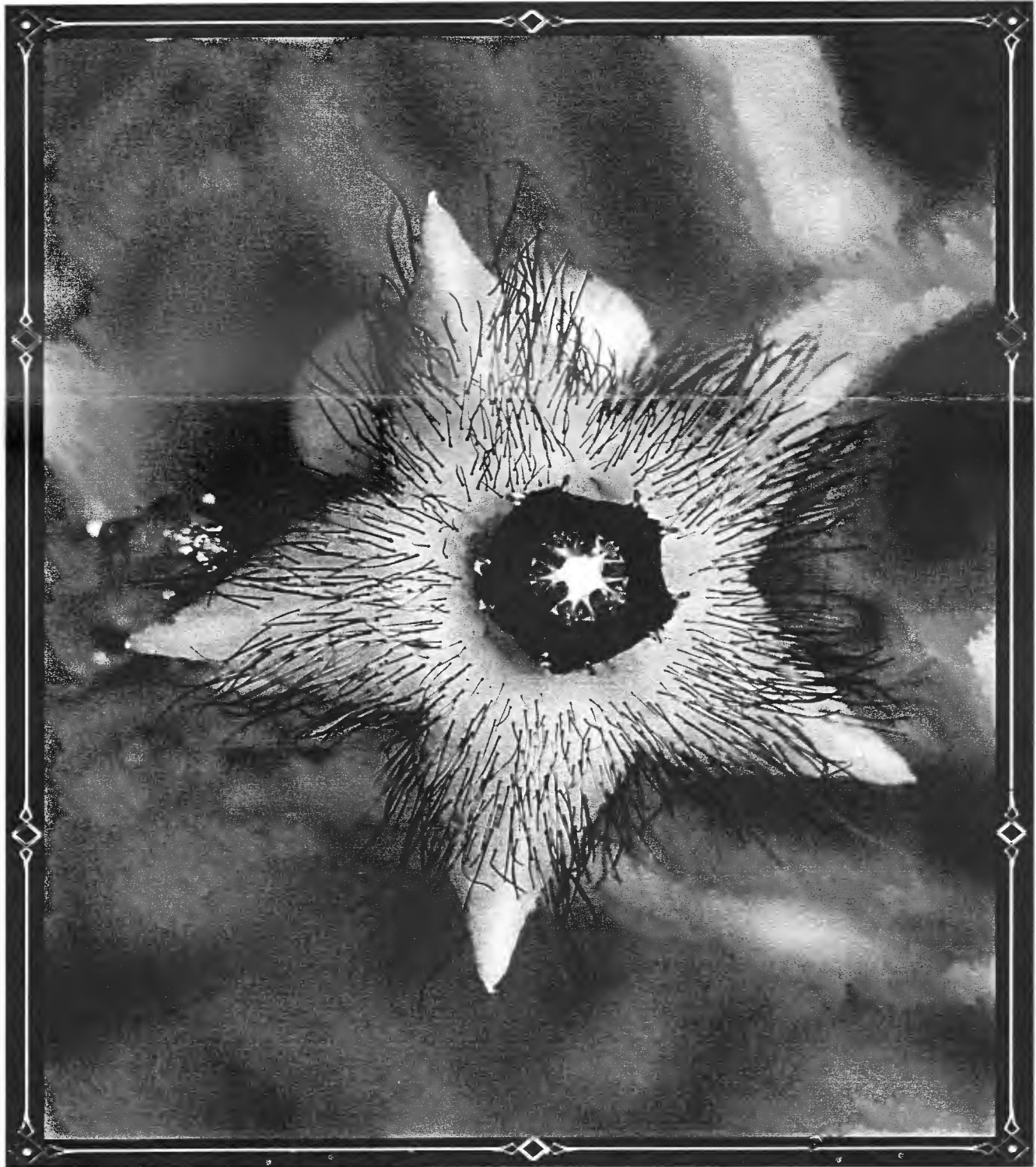
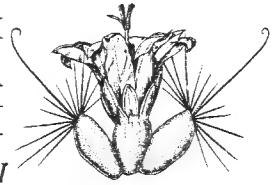


Espinas y Flores

NEWSLETTER OF THE SAN DIEGO CACTUS AND SUCCULENT SOCIETY, INC. VOLUME 36, NUMBER 10 AFFILIATED WITH THE CACTUS AND SUCCULENT SOCIETY OF AMERICA MEETING ON SATURDAY, OCTOBER 13, 2001 AT 1:00 PM - PROMOTING KNOWLEDGE, STUDY AND INTEREST IN CACTI AND SUCCULENT PLANTS, VISIT US AT SDCSS.COM -



Riches of Hawaii

Kelly Griffin has been doing a fantastic job organizing the programs for our club. He needed to make some alterations in the schedule so we can have Tim Jackson in November, Steve Hammer at our



January Sale and Alfred Lau in February. So, I was asked to do a program on a recent visit to the enchanted Sandwich Islands, Hawaii.

This was my forth trip to the islands and the most productive botanically. I was able to find the extremely rare Silver Sword *Argyroxiphium sandwicense* DC. ssp. *sandwicense* on the big island. I also visited the island of Kauai to hunt for the elusive *Brighamia insignis*. Cacti do quite well in some parts of the island and introduced species are now naturalize and slowly spreading. I will be showing some of the other plants, animals, and features that are unique to the island of Kauai.

To get into the spirit of the program I'll ask you to wear anything Hawaiian. If you have some hawaiian plants even better, bring them for the brag table. So, dust off those hawaiian shirts and moo-moos and lets have some island fun.

Remember, Oct 13, Casa del Prado, Balboa Park, at 1:00 PM. Mahalo

Cover Picture: Photograph by Joey Betzler of *Caralluma indica*. This plant was collected in 1977 by Dr. J.S. Sakaria near Madras, India. Marcia Monroe gave it to Joey in 1984. Unfortunately, it is no longer in cultivation. For more information about this wonderful group of succulents see Joey's article on page 6.



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

Tom Knapik

4669 71 street

La Mesa, CA 91941

Phone 619-462-1805 e-mail eyf 2000

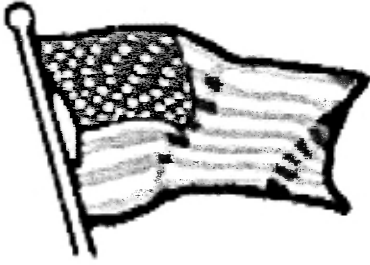
Call ahead for FAX 858-569-8510

NEWSLETTER SUBMISSIONS ARE DUE BEFORE THE 14TH EACH MONTH UNLESS OTHER ARRANGEMENTS ARE MADE.

Espinas y Flores, the newsletter of the San Diego Cactus and Succulent Society, Incorporated, P.O. Box 33181, San Diego, CA 92163-3181, is published monthly with the exception of a combined May-June issue (11 mailings per year).

Newsletter circulation is approximately 260, with approximately 20-30 issues going to educational institutions, botanical societies, cactus and succulent nurseries, local publications, related natural history events, exhibits, and other interested groups or individuals upon request. Membership includes the newsletter and is \$15.00 per year, each additional member in the same household is \$5.00 for bulk mail within the U.S.A.

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President's Message...

September 15, 2001

Hello my friends... I hope this finds you all well and safe. Though it was just a week ago that we were so happily on the road, it seems like so much longer given the events of the past week. It is times like these that I reflect on how precious and fragile life can be, and how much friendship and community mean. After watching the horrible events unfold on the TV, I found solace in walking the garden and taking in the peace and beauty of the plants.

We did have a wonderful time on the bus trip. The South Coast show and sale was a lot of fun. Their show is set up very different from ours - instead of showing individual plants by genus, members put on theme displays- some educational, some artistic. I thoroughly enjoyed this and got some ideas for our show next year. Our afternoon at the Huntington was quite a delight. The weather was perfect - not too hot, and the grounds were not crowded. After a pleasant picnic we all went wandering our own ways individually and in small groups to casually pursue our areas of interest. The gardens are so vast and diverse, I know I could spend a week there and not see everything. Towards the end of the day we gathered together and were met by Sean who took us to the growing/sales area and set us loose - quite a feeding frenzy! As a group we spent over \$700. It was great fun to search out some hidden treasures and I know they appreciate our support.

Special THANKS to Lee Badger, who did all the footwork in arranging the bus tour and Jeff Harris who was a great help in putting together the lunch. Thanks also to Joe Kraatz for all the wonderful pears and to all the members who brought goodies to share. You are a great group to travel with - we will have to do it again!

Take care of yourselves, I'll see you on October 13. Sincerely, Pam Badger
pambadge@earthlink.net

NEVER FORGOTTEN

I regret to inform you of the following individuals that have recently passed away.

STEVE SOUTHWELL, by Tom DeMerritt

Teacher, Enthusiast and Friend left us this past September 10th. Steve lost an 8-month battle with cancer. A longtime member of SDCSS, Steve was also a member of six other succulent clubs. A Math and English teacher of many levels, Steve worked 31 years for the East Side Union High School District in San Jose, CA. A forceful influence, he was adamant his students graduate.

Steve was a type "triple A" personality and an absolute workaholic. He held every officer position in several clubs and produced the newsletter for the San Jose club for the last four years, established the program speaker of the month and always took charge of all vital club activities. He always participated in our clubs winter and summer shows and would strive to help new people feel comfortable by sharing his extensive knowledge of growing and staging plants. Steve also exhibited extraordinary: quantity and quality specimens, in our shows.

Not narrowed by interests and abilities, multifaceted, totally committed to education, Steve was an expert in woodworking and stained glass. The antithesis of a "quiet" guy he always had a lively opinion, which was normally viewed as insightful. He was passionate in all aspects of life.

Steve had 60 years when he left us and will be fondly remembered as a real neat guy.

SOPHIE LOYLAND, by Tom DeMerritt

A "life" member of SDCSS, Sophie Loyland, passed away Sunday, September 16th at the age of 91. Sophie and her husband Oliver (deceased, 1980) Loyland were among the first group of

Calendar of Upcoming Events

⇒ *OCTOBER — 2001 —

- 13 California Native Plant Society, San Diego Chapter's annual sale. Save some water buy a native plant or more. Get there early, the good plants go quick. The sale is in the same area as ours, Casa del Prado Patio!
- 13-14 Orange County C&SS Show and Sale, Fullerton Arboretum in conjunction with the Arborfest, 10 am to 4 pm both Sat and Sun. Gene Schroeder 714-637-8192 aleshroeder@compuserve.com or Lloyd Garretson 714-539-8773.
- 20-21 Quail Botanical Garden Sale. 11:00 AM to 4:00 PM. Fantastic local sale of plants and related supplies. Please support Quail — OUR LOCAL TREASURE! Call 760-436-3036
- 20-21 San Gabriel Valley C&SS Winter Show, Los Angeles County Arboretum, Arcadia CA. For info call Vince Basta 714-738-1422 or e-mail: cactoholic@aol.com.
- 27-28 Garden Celebration at the Wild Animal Park, come out and help with the sale or support the volunteers. *WE NEED VOLUNTEERS*, call Chris Miller, see below
- 28 Long Beach Cactus Club presents SMOLA Succulent Medium of Living Art by Rudy Lime. Info from Woody Minnich 661-944-2784 cactusdata@thegrid.net

⇒ *NOVEMBER

- 8-10 You are invited to a house warming, a 'straw bale house warming' ... see San Diego's newest Seed Bank. Come out and see Joey Betzler's new career move at the Botanical Conservation Center. See details below.

⇒ FEBRUARY — 2002 —

- 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.

FYI FYI FOR YOUR INFORMATION FYI FYI

⇒ CALL FOR HELPERS — Please assist with the Garden Celebration we need helpers for both days. Call Chris Miller at 619-258-9915 or email to c.miller@home.com. We need help setting up early in the morning, during the day, both days and packing up in the evening on Sunday. Also helpers are needed to groom the plants. By the way ... security has been stepped up at the Park. If you have not been to the park in a while, make sure you are on the list, call Chris or Joey to confirm this. Joey's work number is below. If you are not really sure about coming out maybe this will help: this is the silver anniversary for the Garden Celebration and the Mum Festival at the Park opens on Saturday and it is going to be spectacular this year!

⇒ You are invited to an open house for the Zoological Society of San Diego Botanical Conservation Center. The event will be at the San Diego Wild Animal Park on Nov. 8, 9 and 10 from 10:00 AM to 3:00 PM daily. To ensure admission you must RSVP by October 22, by phone or email. Please call Joey at 760-738-5048, and leave contact information, or email JBetzler@SanDiegoZoo.Org. This area is not generally open to the public. There is some steep walking involved to access the facility. Please let us know if you need special arrangements. Visit us and See San Diego's First Permitted Straw Bale Structure.

⇒ Help Support the San Diego Natural History Museum by purchasing some of their Baja California Cacti T-shirts and Totes. Have you been in the Museum since it reopened? If not, at least visit their gift shop, its free, and purchase some CactusWare. They have created custom Baja California Cacti T-shirts and totes featuring cacti species presented with their English common name, Spanish common name, and scientific name. The sleeve carries the San Diego Natural History Museum logo with a Cardón cactus image. The T-shirt color is natural and they are available in adult sizes: S, M, L, XL, The Baja California Cacti Tote carries a matching design to the T-shirt, with San Diego Natural History Museum name and Cardón cactus logo on back. For more information stop by the Museum or call 619 232-3821 extension 239, tell them you read about it in Espinas y Flores!

⇒ Remember Carl McLeod? He donated about 10 flats of great plants for the Garden Celebration and plants for up in the Old World Succulent Garden. He has been under the weather, health problems, drop him a note and thank him: 8320 DuFresne Way, San Diego, CA 92129.

⇒ DO YOU HAVE THE URGE TO TALK? Vincent Lazaneo is looking for you. He is looking for local experts on horticultural subjects, plant specialists, etc. I can easily think of about 20 people from SDCSS that fit the bill. Please let Vince know: Farm and Home Advisor, 5555 Overland Ave., Bldg. 4, San Diego, CA 92123-1219. Fax 858- 694-2849 or email: Vflazaneo@ucdavis.edu

The Legacy of "Cactus" Jack Kennedy

by Ed DeLollis

Jason was pulling his garden display van into another neighborhood one sunny morning on his route where he sold cactus, succulents and other xeriphytically affordable exotic plants, door to door much as milkmen sold dairy products in the distant past. The year was 2037 and Jason's sales had earned him driver of the month for his huge horticultural distribution company, Cactuthon. Certainly, he was fortunate to work in the sun drenched southwest, yet, Jason's knowledge and expertise was further proof of the old adage that twenty per cent of the salespeople sell eighty per cent of the product. Of course, Cactuthon had greatly benefited from the leadership of former president of the USA, "Cactus" Jack Kennedy (no relation to our 35th president).

After a successful career as a nurseryman, Jack had entered local politics, mainly interested in conservation, water and anti-terror issues. Elected State Senator, congressman and governor, he became the 46th President of the United States in 2012. Aided by many allies in the growing "Cactus Party", Kennedy sponsored and passed legislation that made gardens mandatory for every American...further, these gardens had to co-exist in harmony with the neighborhood. "Lushy-gushy" plants with high water demand were outlawed. Numerous Master Gardeners (an elected, paid position), oversaw all garden activity, coordinating events and arbitrating disputes.

The sun warmed the earth pleasantly this morning, and Jason could see that the judging had begun for the garden of the month competition as he parked the display van in this neighborhood of small-town, USA. The blue caps sported by the several judges gave it away...each cap was uniquely woven out of at least 25 blue ribbons the wearers had won at various plant competitions. Jason approached one judge whose cap was as tall as Marge Simpson's hair. Clara Barrel, the lady with all the ribbons greeted Jason warmly, but warned him that he was not allowed to sell plants to the participants. Jason explained that Steven Munroe had ordered this batch of softball sized *Echinocactus grusonii* before the deadline and was allowed to plant the thirty-seven golden spined globes in a circle around his three huge "mother-in-law's chairs" that grew in front of his house. These *E. grusonii* were two foot tall and three foot wide and represented his three wives...the smaller ones his 37 years of marriage). Jason started to unload the cactus when Clara approved the deal...she then went back to assessing the garden of the Brewster Family, that featured Aloes, Beaucarneas, Cycads and a *Carnegia gigantea* taller than the house with outstretched arms above a bed of *Ferocactus latispinus* in bountiful purple bloom. The week before, Jason had parked the garden display van in this same cul-de-sac. He opened the canopy and popped out of the cockpit into a waiting throng of residents. Pulling a lever, the side door rolled up to unveil a load of tantalizing botanicals displayed on shelves or the ingenious wells that held the larger specimens. Painted Agaves, charming Copiapos, genial Gymnocalyciums, astounding *Ariocarpus*, numerous ground covers from the colorful Crassulas, lip-licking Lobivias, blue fan palms, *Brahea armata*, multitudinous Mammalarias, colorful *Kalanchoe blossfeldiana*, trees of the *Euphorbiaceae*, righteous Rebutias, towering *Trichocereus*, piercing Pachypodiums...and yes, noble *Notocactus*!!!! Jason sold out the whole load in one neighborhood that day.

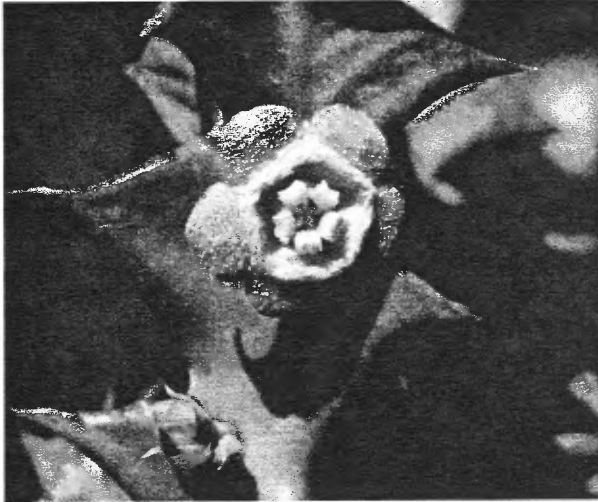
Today, as he watched the blue-capped judges scurrying about with their clerks and their clipboards, he glanced at the American flag streaming above a common patch of ground. Fifty stars ...seven red stripes ...six native cactus displayed on the white stripes and he thought of Cactus Jack Kennedy who had suggested the changes in the flag. Jack

continued on page 9

STAPELIADS

By Joey Betzler

THE STAPELIEAE ARE A SUCCULENT GROUP WITHIN THE FAMILY *APOCYNACEAE*, FORMALLY THE *Asclepiadaceae*. The Milkweed family has been merged into the same family as *Adenium* and *Pachypodium*. Not everyone agrees with this merger, but the pollination scheme, seed pods and seed structure would suggest an intimate relationship between the taxa of the two families. In this discussion only stapeliads will be considered, but care and treatment is similar to other genera, many of them vines with succulent characteristics: *Asclepias*, *Brachystelma*, *Ceropegia*, *Cynanchum*, *Dischidia*, *Fockea*, *Hoya*, *Raphionacme*, *Sarcostemma* and others.



Pachycymbium lancasteri, with the thickened corolla lobes that recurve and the large central corona area.

The stapeliads (short for Stapelieae) are stem succulents with rudimentary leaves (though *Frerea indica* is an exception with true leaves). The plants are dependent upon an insect pollinator. In the fleshy stapeliads the evolution of flower and insect is at its most fantastic (*Ceropegia* and allied genera are similarly endowed). In the desert attracting pollinators that are few in number is a fight for reproductive survival. Stapeliads have risen to the challenge with complex flowers that vary in hue and texture. The majority of the pollinators that these succulents seduce are flies.

All the species in the *Apocynaceae* have common floral features five corolla lobes usually united (petals) and five sepals. In stapeliads the corolla lobes can reach up to over a foot across, with a fleshy texture that makes them look like a starfish, hence one of the common names: starfish flower. The anthers and stigma unite at the center of the flower to form the very

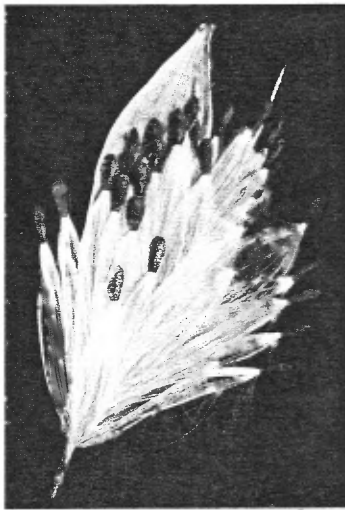
specialized corona. The pollen is not free as in the *Cactaceae*, but bound in special sacks referred to as pollinia. The pollinia are the key here, stapeliads need an insect to pollinate the flowers. To this end the flowers are adapted to attract different types of flies out of their hiding places in the dry areas of: Africa, Arabia, Europe, India, and Madagascar.

One attraction is the flower color. These range from yellows to complicated purple, red, brown and white patterns with a lot of variation on the contrast scheme. These colors are consistent with the colors of decaying organic matter, that would attract flies; hence the other name: carrion flowers. A second trick are hairs and papillae that further accent the weird floral structures, perhaps mimicking other flies that are swarming around an attractive next meal. Finally the olfactory senses of flies are stimulated with fragrances that are quite foul smelling to people, but to a *Dipteriad*, it would mean "bon appétit.", more weight to the tag, carrion flower. To us the majority of the species are odorless, though to some do have a sweet fragrance: *Stapelia flavopurpurea*, *S. arenosa*, and *Caralluma quadrangula*. *Caralluma indica*, smells like yeast from fresh baked bread. Pollinating the flowers is no easy task, the pollinia must be moved from a secure position within the coronal structure to a lower position, wedged between two hand rail-like structures. This is described as a lock and key mechanism by some authors, and it is a pretty accurate metaphor. The plants rely on entomophily for pollinators, which means they are dependent on insects, mostly flies, but perhaps other insects. Generally, plants that are dependent on insects are very diverse, as in the *Orchidaceae*, which may account for some of the problems in classification of stapeliads.

Hand pollination techniques have only recently been worked out, so propagation has mainly been via rooted cuttings and field collected seed. Pollination experiments are difficult and are aided by a dissecting microscope, a fine pair of tweezers, and a steady hand. Patience is also required, as the twin seed pods or follicles do not form immediately. Twelve months is not unusual for seed production! The seeds are small (2-6 mm) brown ovals with a tuft of fine white hairs at one end. The seeds float quite easily on a slight breeze which may account for the distribution pattern of these plants which



Caralluma sprengeri ssp. *foetida*, is one of those stinkers, a smell that must be a sign of a feast to a fly. This plant is from Ethiopia.



Both of the joined families have virtually identical seeds and seed pods. Here the 'parachutes' of an *Asclepias* are just starting to open. Without that hint you would be hard pressed to tell if it was from a stapeliad or a *Pachypodium*.

Caralluma, *Desmidorchis*, *Duvalia*, *Duvaliandra*, *Echidnopsis*, *Edithcolea*, *Frerea*, *Hoodia*, *Hoodiopsis*, *Huernia*, *Huerniopsis*, *Lavrania*, *Larryleachia*, (or is it *Leachia* both names are published), *Luckhoffia*, *Notechidnopsis*, *Ophionella*, *Orbea*, *Orbeanthus*, *Orbeopsis*, *Pachycymbium*, *Pectinaria*, *Piaranthus*, *Pseudolithos*, *Pseudopectinaria*, *Quaqua*, *Rhytidocaulon*, *Stapelia*, *Stapelianthus*, *Stapeliopsis*, *Stultitia*, *Tavaresia*, *Trichocaulon*, *Tridentea*, *Tromotriche*, and *Whiteslonea*.

Another factor to take into account is that in the last 20 years extensive exploration of the African continent and the Arabian peninsula has led to the discovery of new stapeliads. The addition of more species complicates the current classification schemes of this group. In 1937 White and Sloane recognized 367 species, there are now about 100 to 150 new species described. In detailed studies, by Larry Leach of South Africa, taxa that were spread in different genera have been consolidated into concise and systematic groups. Look for more nomenclatorial changes as scientists try to understand relationships in these highly adaptive plants.

You must be vigilant for the dreaded mealy bug. If you can; repot every year, and some times twice if you suspect problems. My experience would suggest that stapeliads don't mind being repotted. If there is a problem use an approved insecticide to control the critters. There are alternatives: insecticidal soaps, pyrethrins (careful with these - read the label), and look for new natural alternatives. When you find that works well share the knowledge!

As far as growing media goes I use a commercially available compost like Unigrow, Lomex, Supersoil, etc, and cut it with pumice. Depending on your watering, use an amount of pumice that drains fast and is just damp the next time you water. I think it is important to be consistent with all of your mixes. 'Staps' seem to go dormant when the weather cools. When they stop growing do not water as much. Under pot the plants, but don't be afraid to move them up when the grow fast. Don't let the plants crawl out of the pot to far. Propagate the cuttings and make more plants to share.

References used:

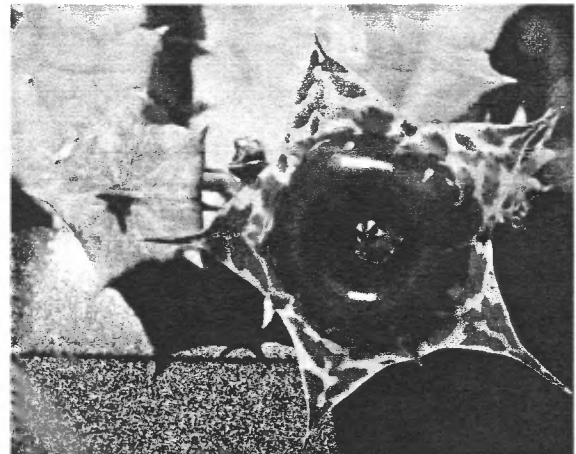
- Asklepios [The Journal of the International Asclepiad Society] - various issues
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- Leach, L. C. 1978. Excelsa, Taxonomic Series No. 1 1980. Excelsa, Taxonomic Series No. 2
- Rowley, G. 1978. The Illustrated Encyclopedia of Succulents
- White, A., and Sloane, B.L. 1937. The Stapelieae
- On the Web, www.succulent_plant.com/asclepiad.html

corresponds with the wind patterns of Asia and Africa.

Stapeliads can be found in India, Pakistan, Bangladesh, Burma, Italy, Spain, and most of the Middle Eastern countries. Though most of the Stapelieae are on the African continent, Madagascar has an endemic genus (*Stapelianthus*) and The Canary Islands have the very unusual *Caralluma buchardii*, with chromosome numbers that are as high as $2N = 128$ (most of this group have chromosome numbers of $2N = 22$). The horn of Africa (Somalia and Ethiopia) have some very unusual Stapeliads in their flora i.e. *Pseudolithos*, *Rhytidocaulon*, and *Whiteslonea*, while the southern part of Africa (especially South Africa) is rich in Stapelieae genera and species.

The Swedish botanist Linneaus (1707-1778) erected the genus *Stapelia* (1737) to honor Johannes Bodaeus Stapelius, a doctor and author. With this new genus several other taxa were consolidated, and for the next 72 years the genus grew. In 1809, Robert Brown divided the genus into four genera. One of these genera, *Huernia*, is meant to honor Justus Heurnius, (notice that the 'e' and 'u' in the genus name were transposed, it should have been Heurnia) an early Dutch missionary and collector of South African plants.

Since that time taxonomists have further split up the Stapelieae and later consolidated them into larger groups. At present there seems to be a trend to split them up into smaller groups. The Stapelieae comprise a very diverse group. The velvety Stapelias and the spiny Hoodias look very different, though they will hybridize and form viable seed! Stapeliad nomenclature seem to be up in the air, forgive me not all of the names are current - so take your pick. Here are some of the current genera:



Huernia confusa is a fascinating example of the 'life saver' Huernias. These flowers look like some one put a life saver candy on top of the flower. Huernias are not foul smelling!

Stapeliad Genera, past and present. Those in '**BOLD SMALL CAPS**' indicate recognized taxa

- Angolumma* Newton 198?
ANOMALLUMA Plowes 1993.
Apocynum - not a stapeliad genus
Apteranthes Mikan 1835.
Asclepias - not a stapeliad genus
Boucerosia Wright et Arnott 1834.
 = *Caralluma*
CARALLUMA R. Brown 1809.
Caruncularia Haworth 1812. = *Stapelia*
Ceropegia - not a stapeliad genus
Crassa - not a stapeliad genus
Decabelone Decaisne 1871. = *Tavaresia*
Decodonita Haworth 1812. = *Huernia*
DESMIDORCHIS Reichb. 1828. = *Boucerosia*
 = African thick stemmed
 'Carallumas'
Desmidorchus Reichb. 1828. = *Boucerosia*
Dictyanthus - 1 sp. reported in Index
 Kewensis, no author
Diplocyatha N. E. Brown 1878. = *Orbea*
Diplocyathus K. Schumann 1895. =
Diplocyatha
Drakebrockmania A. White et Sloane 1937.
 = *Whitesloanea*
DUALIA Haworth 1812.
DUVALIANDRA M. G. Gilbert 1980.
Duvalia Haworth 1819. = *Duvalia*
ECHIDNOPSIS Hooker fil. 1871.
EDITHCOLEA N. E. Brown 1895.
Euphorbium - not a stapeliad genus
FREREA Dalzell 1865.
Fritillaria - not a stapeliad genus
Gonostemma Sprengel 1830. =
Gonostemon
Gonosetmon Haworth 1812. = *Stapelia*
Heurnia Sprengel 1817. = *Huernia*
HOODIA Sweet 1830.
HOODIOPSIS Lückhoff 1933. = nat. hyb.
Hoya - not a stapeliad genus
HUERNIA R. Brown 1809.
HUERNIOPSIS N. E. Brown 1878.
Hutchinia Wight et Arnott 1834.
 = *Caralluma*
Hutschnia D. Deitrich 1839. = *Hutchinia*
LARRYLEACHIA D. Plowes 199? n. nud.
LAVRANIA Plowes 1986.
Leachia Plowes 1992. = *Leachiella*
Leachiella Plowes 1993. = *Larryleachia*
Lithocaulon Balley 1959. = *Pseudolithos*
LUCKHOFFIA A. White et Sloane 1935.
 nat. hyb.
Monothylaceum G. Don 1837. = *Hoodia*
NOTECHINOPSIS Lavranos et Bleck 1985.
Obesia Haworth 1812. = *Piarranthus*
OPHINELLA Bruyns 1981.
ORBEA Haworth 1812.
ORBEANTHUS Leach 1978.
ORBEOPSIS Leach 1978.
Pachycymbium sensu M. G. Gilbert 1990.
 = *Caralluma*
PACHYCYMBIUM Leach 1978.
PECTINARIA Haworth 1819.
PIARANTHUS R. Brown 1809.
Podanthes Haworth 1812. = *Stapelia*
PSEUDOLITHOS Bally 1965.
PSEUDOPECTINARIA Lavranos 1971.
QUAQUA N. E. Brown 1879.
RHYTIDOCAULON Bally 1963.
Sarcocodon N. E. Brown 1878.
 = *Caralluma*
Sarcophagophilus Dinter 1923. = *Quaqua*
Scytanthus Hooker 1844. = *Hoodia*
Spathulopetalum - not a stapeliad genus
Stapelia Linnaeus 1737.
Stapelianthus Choux 1934.
Stapeliopsis Choux 1931. = *Stapelianthus*
 Nec Pillans 1928.
Stapeliopsis Phillips ????. = *Stultitia* Nec
 Pillans 1928.
Stapeliopsis Pillans 1928.
Stisseria - not a stapeliad genus
Stultitia Phillips 1933.
Tavaresia Welwitsch 1854.
Trichocaulon N. E. Brown 1878
 = *Leachella* & *Hoodia*
Tridentea Haworth 1812.
Tromotriche Haworth 1812.
Virchowia Vatke 1893. = *Echidnopsis*
Whitesloanea Chiovenda 1937.

BOLD - genera in bold indicate recognized genera in this listing

continued from page 3

San Diego Cactus and Succulent Society "Life Members". The Loylands were both large, happy "Swedes" who loved succulent plants. They were enthusiastic helpers with the SDCSS Del Mar Fair Flower Show Exhibit each summer and could always be found assisting and participating with the early SDCSS Show and Sale each spring. Sophie and Oliver were willing to help with any and all projects involving the society.

One of the first projects they participated in was the 1968 planting of a "Cactus Garden" at the San Diego Mission on Friars Road. SDCSS members contributed plants for this garden, with the majority coming from Bob Taylor's garden. They planted a forty by ten-foot garden on the east side of the Mission. Sophie and Oliver came early and stayed late, digging-in sand and compost and manning a pair of wheelbarrows. The only remaining and still active SDCSS members to participate in this project are Bob Taylor, Nibby Kleinfelter and Michael and Warren Buckner.

Sophie would give a Christmas cactus to each of her 13 nieces and nephews for Christmas. Her niece Vicki, in Minnesota, still has cactus and succulents given to her from her aunt in San Diego.

Sophie hadn't been able to attend meetings the last 6 years due to living in the convalescent home but there are still a few who remember this vibrant woman who had a passion for succulents. The San Diego Cactus and Succulent Society will forever be indebted to and thankful for people like Sophie and Oliver Loyland.

VERNA PASEK, excerpt of a newspaper obituary sent in by Sandy Frost

Verna Pasek died peacefully September 12 at SunBridge, Carmel Mtn., where she had lived for the past two and a half years. She suffered from Alzheimer's disease. Margie was born November 29, 1916 at home in San Diego. Both her mother and grandmother were San Diego natives.

In 1965 she met and married John Pasek. They both became very interested in cactus and succulents. They went to Mesa College, graduating with Nurseryman degrees, and were active in the San Diego Cactus and Succulent Society and the Palomar Cactus Society.

DR. HELIA BRAVO-HOLLIS, email forward from Jon Rebman

Dear members of the IUCN-CSSG,

I have the sad news for you that Dr. Helia Bravo-Hollis, distinguished student of the Cactaceae especially of México, passed away on September 26th just four days before his 100th birthday. From Dr. Joachim, Thiede, Hamburg University Botanical Institute & Garden, Hamburg, Germany.

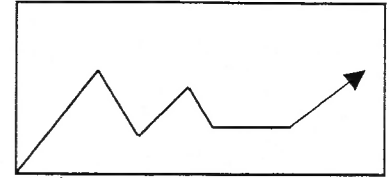
Cactus Jack continued from page 5

believed in competition-not war. He had sponsored the columnar trophy for the best blue cactus (itself a blue-hued statue of a *Pilosocereus*). He had moved the government to Tucson, Arizona and the house where the president lived was the Nopal House (not the pink house, mind you)...and possibly the best of his accomplishments...in 2001 when the terrorists were trapped in our country because the airports were closed. He convinced them that they could escape by traveling on the ground through Canada to Alaska where they could make it back to Asia by crossing the land bridge. Little did they know that the bridge had not existed for eons...and the hoodlums froze and drowned in droves, leaving the cactus standing tall and the people peaceful and proud...

This was of course a fictional story...it could really happen though...people could make it happen ...members, please attend the October meeting and bring a cactus that has a story surrounding it...we all love a story...see you there!!!!!!!

WHAT'S THE STATUS?

by Joey Betzler



Topic# 16: How does what we do relate to the crisis we face?

I AM WRITING THIS ON THE FIRST DAY OF AUTUMN 2001, ELEVEN DAYS AFTER THE TRAGIC EVENTS that took place in New York and Washington D. C., I felt like we were all New Yorkers for a time. Some of us were struck deeply with the loss of family, friends and loved ones. All of us were changed by what happened, as well as the place where we live. At a time like this I wonder what I am doing in my life that can make a difference. And I realize that what we do and is important. What I do and what I did last Sunday ties into this importance.

Last Sunday, I went up to the hills ... up to the mountains. My girlfriend and I took the road less traveled, up Nate Harrison Grade, from Pauma Valley up to Palomar Mountain, at the northern edge of San Diego County. A winding dirt road, in good shape with inspiring panoramic vistas of the valley below. We went from the familiar sage and chaparral plant associations, through the oaks to the big conifers on Palomar. I listened to the radio this week and I heard a peculiar interview of some of the radio folks that report the news and do commentary. Many of them took some time off after the storm of reporting, to get back to nature. Some mentioned gardening, and others, escaped to the wilderness, natural areas or wild places. We had something in common, I realized that I was not alone in my desire.

For me getting back to the wild is getting back to why I do what I do with plants. It is easy to forget the big picture in the day to day details of living and working the routine sometimes gets me away from the purpose. I hope that each of us remembers what brought us to where we are. Please take the time to enjoy the day, especially when life seems difficult.

For us as a group, our mission is, in part, to educate and to study succulent plants. To this purpose we should be able to teach people to respect what we have in our wild places and make every effort to preserve it. We do this by displaying the diversity of life that we love so much. Sometimes the smallest detail may touch someone and they could gain a respect for the diversity of life and share that with others.

To protect the wild areas, we need to educate and inspire others to protect them. Through our efforts, people will learn that we are all connected through this diversity and variety. Without variety in nature, healthy wild areas are not possible. For me as an individual, the things that I do in my life help me cope with all that has happened. As a hobby and a vocation working with plants is basic in the preservation of the wild places. In this time of technological wonders and tragic events, there is an important contribution to make.

Remember to enjoy the plants and don't forget to pass on some of your enthusiasm whenever you can. You may never know who you have inspired and what contribution they will make, weather large or small. Take the time to show others some of the wonderful wild things. What we do here is important and it does make a difference.



Orange County Cactus and Succulent Society



25th Annual Plant Show & Sale

Fullerton Arboretum

Yorba Linda Blvd. and Associated Road, Fullerton

In conjunction with the Arboretum's Annual Arborfest
Show and sale are free with Arborfest admission

Saturday

October 13, 2001

10:00 a.m. – 4:00 p.m.

Sunday

October 14, 2001

10:00 a.m. – 4:00 p.m.

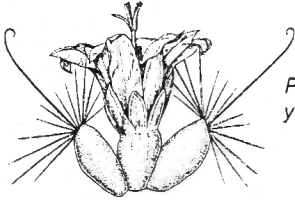
For More Information Call (714) 539-8773 or 637-8192
or email: LESchroeder@compuserve.com

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Please check the top line of your label for, year/month
your membership expires. If the date is getting close –
PLEASE RENEW. THANKS for your help.



ESPINAS Y FLORES

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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 *Espinas 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.CDM - please take a look and give feedback to the webmaster.