



## JULY NOVICE MEETING

July 1<sup>st</sup>, 2003, 6:30 PM - CASA DEL PRADO - ROOM 104  
By [Ivan Harrison](#), 2<sup>nd</sup> Vice President

Hard to believe that July will be my last “official” Novice Class meeting, although I will be popping in and out all the time to make sure you are treating our friend, Lynn Ford, to the same affection that you have shown Ro and me. We have really enjoyed learning about orchids with you all.

In July, Judith Abeles, a SDCOS member who many of you may know well, will be talking to us about growing orchids organically – a topic I know relatively little about. Judith will cover all aspects of organic agriculture, including its history, and it will then apply the principles to orchids. It should be very interesting, and I look forward to seeing you at 6:30pm on Tuesday, July 1st in Room 104.

## JULY GENERAL MEETING

July 1<sup>st</sup>, 2003, 7:30 PM - CASA DEL PRADO - ROOM 101  
By [Ben Machado](#), 1st VP

Lucky, lucky you, this month from within our membership we are calling on one of our own for this month's Guest Speaker. From within our ranks the one and only Tom Biggart is stepping forward with a presentation titled “A Visit to Ecuagenera – an important Ecuadorian Nursery.” Tom assures that this is not a promotional for Pepe Portilla and his nursery; rather this is more of a presentation of Tom's travels throughout Ecuador, highlighted with the accumulated native species growing at their full potential splendor at Ecuagenera.

We all know Tom for his lightheartedness, quick wit, generosity and his orchid business, Granite Hills Orchids. Yes, the East County orchid shop that specializes in species of almost any variety, loaded with his East County growing techniques and his general “how to do it” growing information. Guaranteed, when you leave Granite Hills Orchids, your hands will be full, you're going to have a lot more information about orchids and your check book will be only slightly to moderately lighter. Plus, the extra bonus is that the plants from his collection are known for their hardiness, in particular their willingness to grow once they leave his conditions.

Tom has been called upon several times to provide novice class presentations for our society plus he's made several presentations to other orchid societies. But, as far as a formal presentation for our general membership, this will be his first outing. For those of you who may not know, Tom is a retired educator. He retired from San Diego City Schools last year. But he certainly hasn't lost his flare for passing on his knowledge base, particularly about orchids. As a disciple of the Orchid God, Tom has always been more than willing to educate anyone the least bit interested in orchids. In his candid, bubbly way he is always willing to steer you in the right direction.

Throughout his educational foray, Tom has been involved in orchids. He has traveled several times to South America and Australia in pursuit of orchids in their natural habitat. This time we get the benefit of his travel experience with this presentation. Tom will also provide the plants for our Plant Opportunity Table. You can expect a table of mostly species plants laced with a few hybrids.

## Members and Advertisers

If you have monthly meetings, classifieds, submissions of interest, or announcements related to orchids, to be considered for publication in the upcoming August issue, please contact us by July 11<sup>th</sup>.

You are encouraged to contact the editor by either email or phone from 12 pm to 6 pm only, Michael Orser at **619.269.3445** or [editor@sdorchids.com](mailto:editor@sdorchids.com)

Advertisers: please contact Marjorie Kuhlmann at **858.675.0885** or [kuhlmann@utm.net](mailto:kuhlmann@utm.net) under the same deadline as in bold above.

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## SAN DIEGO COUNTY ORCHID SOCIETY

**OUR PURPOSE:** *To promote interest in orchids and their cultivation, to educate by exchanging information and experiences related to successful orchid culture, and to support the conservation of orchids in the wild.*

SDCOS meetings are held the first Tuesday of each month at Casa Del Prado in **Balboa Park**. We invite you to join the society to receive the monthly newsletter and many other benefits.

**Beginner's Class:** 6:30 pm, Room 104  
**General Meeting:** 7:30 pm, Room 101

If you would like to join the society, please send your check for \$10\* for individual, \$12.50 for Dual membership, payable to SDCOS, to: **Vivian Folmer**, SDCOS Membership, 13127 Roundup, San Diego, CA 92129. Telephone: **858.538.6187**, email: [vfollmer@hotmail.com](mailto:vfollmer@hotmail.com)

\*1/2 price January first through June thirtieth

## UPCOMING CALIFORNIA EVENTS

**July 26 - 27**

SDCOS mini Show! Balboa Park - Room 101. Setup begins at 6pm July 25. Saturday July 26, open 8am to register and judge, open to public at 12. Sunday July 27 open at 10 am, we close at 4pm each day. FREE ADMISSION!

**WOW there is a big gap of time! If you would like to see your show listed here, please let the editor know, otherwise, our society will not get a chance to hear!**

**October 11-12**

Diablo View Orchid Society Fall Show, Pleasant Hill Community Center, 320 Civic Dr., Pleasant Hill, CA. Contact: Juan Bofill, 1631 Stanmore Dr., Pleasant Hill, CA 94523; 925.609.8443; [jjbofill@pacbell.net](mailto:jjbofill@pacbell.net)

**Oct. 14 - 19, 2003**

East West Orchid Show and Plant Sale, Set up dates are Oct. 15/16. Theme is Dreamland of Orchids. More information to follow.

**October 22-26**

Sacramento Orchid Society and AOS Members Meetings; Doubletree Hotel (Hilton), Sacramento, California. Contact: Ida Carter - 7604 Darla Way - Sacramento, CA 95828 - Ph: 916.689.1927 [Cadreamin4u@aol.com](mailto:Cadreamin4u@aol.com)

## ANNOUNCEMENTS

**Third Orchid Digest Summer Institute**

**The Cattleya Alliance**

**July 26 & 27, 2003**

This two-day lecture and hands-on laboratory workshop covers the taxonomy, anatomy, microscopic structure and natural history of plants in the Cattleya Alliance. Class size is limited to 30 participants — Enroll early to ensure your place. Where: The Huntington Library, Art Galleries and Botanical Gardens, San Marino, California Visit: [www.HuntingtonGardens.org](http://www.HuntingtonGardens.org). When: Saturday and Sunday, July 26 & 27, 2003. Cost: \$250 for Orchid Digest members, \$300 for non-members. Two luncheons and snacks included. Instructors: Harold Koopowitz and Paul Tuskes. Enrollment via the web at [www.orchiddigest.org](http://www.orchiddigest.org) or contact Simone Friend, Program Coordinator, 4349 Dogwood Ave., Seal Beach, CA 90740, E-mail: [Orchidsimonef@aol.com](mailto:Orchidsimonef@aol.com)

## Corrections

The June 2003 SDCOS Newsletter mistakenly had the names of the orchids and their pictures misalligned. The captions on page 9 were all switched...the sequence top to bottom should be: 1. Dendrobium unicum, 2. Miltonia spectabilis, and 3. Renanthera monachica. - Thank you Cindy!

# Enjoy Orchids!

by John Walters

When children are introduced to orchids, they often discover an interest that last for the rest of their life. Many of the personal profiles in ORCHIDS and THE ORCHID DIGEST reflect the early interest in orchids that eventually became an obsession with beauty, tracing genealogies, tromping through forests to study orchids in their homeland.

For me, it was the discovery of some large, white flowers with very dark purple lips in a florist shop on Telegraph Avenue, while I was staying with my grandmother, who was studying at UC Berkeley. Then, years later while I was in Berkeley negotiating some options for printing more pictures in THE ORCHID DIGEST, I revisited the small florist shop. Visual connections popped-up in my head. Between 8 and nearly 80, I have learned many ways to "enjoy orchids," which has become my life's motto.

There are probably thousands of ways to "Enjoy Orchids." Think of it this way, "What attracted you to orchids?" Was it the colors embedded in Phalaenopsis (ask Charlie Fouquette about his article in the Horticultural Society newsletter), the unusual shape of the flowers, the weird roots--you get the idea. Now the question is, "How can we help kids learn to enjoy orchids?"

The other day, Billy Baker said, "Get to the point. Don't you know not everybody wants to help kids think about orchids!" Finally, he admitted that he was attracted to the flowers of the African Violets that his grandmother grew. His introductory observation of these flowers eventually grew to bromeliads and finally to hybridizing many beautiful orchids.

The point is that kids respond to the challenge of orchids. The San Diego Science and Engineering Fair has categories for students to enter the competition and win prizes and sometimes scholarships. Quail Botanical Gardens is one of hundreds of sponsors who provide prizes, scholarships for the Science Fair Participants. The QBG-San Diego International Orchid Fair Committee has designated prize money for projects developed on orchid topics that are winners in their category.

The second main point is that "orchid-lovers-anonymous" live in all climates of the southland and have learned to grow and bloom many different orchid species and hybrids. NOW IS THE TIME FOR ALL "OLA" TO PASS THE INFORMATION TO THE NEW GENERATIONS. And the good news is that there is a tested process that all "OLA" in San Diego can help.

The SDIOF Orchid Fair Committee has used this plan for the past three years, even though on a small scale, we believe many orchid lovers could help a significant number

of orchid related projects be developed for the Science Fair 2004:

1. Orchid Project Information letters mailed to schools in September.
2. Students and teachers attend Science Fair Orchid Project planning at SDIOF workshop on October 11.
3. Student interest recorded.
4. Match student interest/ school location with Orchid Mentors.

It does not take a gene-splicing expert to realize that this interaction with orchid and kids takes dedicated "OLA" s who want to become an Orchid Mentor. If you would like to help, please call John Walters at 619.466.0605 or e-mail: [sandieoorchidfair@cox.net](mailto:sandieoorchidfair@cox.net).

## CLASSIFIED AD

Pond Plants – Anyone interested in taking some of my extra pond plants, please contact me prior to the July meeting. I have small water lilies, water hyacinth, duckweed and hornwort, which I would be happy to give to a good home! Phone Ro Harrison at 619.448.3312 or email to [phragmania@cox.net](mailto:phragmania@cox.net)

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## Saving a Native Orchid

A case study on the reintroduction of *Spiranthes brevilabris* into native habitats in Florida

By Scott L. Stewart

Submitted by Peter Tobias

As the human population continues to increase exponentially, the search for suitable land for food production and housing development will continue to encroach into prime orchid habitats. Most people assume that this type of habitat destruction is restricted to the tropics. In reality, habitat destruction has already taken place on a large scale in North America, causing a decline in our native orchids.

An example of a critically endangered North American native orchid is *Spiranthes brevilabris* Lindley, the short-lipped ladies' tresses. This orchid was once native to the

southeast coastal plain of the United States, but now is restricted to a single population containing 152 plants (1999) in Levy County, Florida. This fact alone makes *S. brevilabris* a leading candidate for recovery by laboratory propagation (symbiotic seed germination) followed by reintroduction into the wild.

### Taxonomic Clarity

Over the past 150 years, much taxonomic confusion has surrounded the identity of *S. brevilabris*. In 1840, Lindley first described the short-lipped ladies' tresses from specimens collected in Texas. Since that first description so long ago, only a few collected specimens have been valid *S. brevilabris* plants. This confusion arose when Correll (1950) reduced several taxa to varieties of *Spiranthes gracilis* (Bigelow) Luer. Through this, he reduced *S. brevilabris*, *Spiranthes floridana* (Wherry) Cory amend. P. M. Brown, and *Spiranthes lacera* (Raf.) Raf. all to varieties of *S. gracilis*. Brown's most recent work on these species (2001, 2002) has revalidated *S. floridana* as a true species, supported *S. brevilabris* as a distinct species, and considers *S. lacera* as having two varieties—var. *lacera* and var. *gracilis* (Bigelow) Luer. Many of the previous herbarium records were of *S. floridana*, *S. vernalis* Eng. & Gray, and *S. eatonii* Ames ex P. M. Brown. At this time, there are no extant populations known from any other state than Florida.

### Encountering *Spiranthes brevilabris*

My first encounter with *S. brevilabris* came not on some exotic orchid adventure in Florida, but through a very simple message from Lawrence Zettler, PhD, my undergraduate professor at Illinois College, in Jacksonville, Illinois, and my mentor. In the middle of 1999 I was working with Zettler on the symbiotic propagation of several rare native North American terrestrial orchids. I had only been in the orchid research field for about one year, but had been privileged enough to work with orchids as unique and rare as *Platanthera leucophaea* (Nuttall) Lindley, the eastern prairie fringed orchid; *Habenaria repens* Nuttall, the water spider orchid; *Habenaria quinqueseta* (Michaux) A. Eaton, the longhorn false rein orchid; and *Habenaria macroceratitis* (Willdenow) Luer, the longhorned habenaria. When I received Zettler's message summoning me to his office as soon as I was available, I knew something big had arisen. I skipped my next class to meet with him and Jagila Minso, a fellow undergraduate student.

During the course of that meeting, Zettler informed Minso and I that Paul Martin Brown had been working to redefine the taxonomic mystery surrounding *S. brevilabris*, and that, during the course of his work, had discovered that the taxonomically correct *S. brevilabris* existed in only one county, at one site in Florida. We had been called into his office that afternoon to hear that Brown had sent seeds and root samples of *S. brevilabris* and would like our research lab to attempt the symbiotic propagation of this rare orchid. Minso was to be in charge of the actual laboratory work and germination, and I was to oversee the experiment and assist as needed. This was truly a once-in-a-lifetime experience for the entire research team—Brown, Zettler,

Minso, and me.

### Symbiotic Method and Its Importance

Two keys unlock understanding of the usefulness of the symbiotic propagation method—viable seed and the correct mycorrhizal fungus. The need for the first component is easy to understand; without viable seeds no seedlings can be produced, and therefore, no adult plants are possible. The second component might not be as obvious. In fact, the taking of orchid root samples may even sound ridiculous to some, but it is a crucial piece of the puzzle when attempting to copy the way in which Mother Nature germinates orchid seeds.

In nature, orchids absolutely require a naturally occurring endomycorrhizal fungus to infect the seed to initiate germination and continue plant development. The entire process occurs in either the soil for terrestrial orchids or on some suspended substratum for epiphytic species, and begins with the fungal hyphae making contact with the seed, entering the seed through micropores, and infecting the embryo within the seed coat. Following infection, masses of balled fungal hyphae called peletons are formed within the individual cells of the embryo and are digested by the now germinating orchid embryo (protocorm) in a process called mycotrophy. It is through mycotrophy that orchid seeds, which do not carry a necessary means of nutrition such as an endosperm, obtain the carbohydrates needed to initiate germination. Once a true green leaf has developed, the orchid seedling will use both photosynthesis (via leaves) and mycotrophy (via roots) to obtain its needed energy for further development and eventual flowering.

This process has been applied successfully to a growing number of native orchid species, but only a few of these species have been considered for reintroduction. In our study of *S. brevilabris*, the symbiotic propagation was so successful that its reintroduction into native habitats became a reality—our greenhouse facilities at Illinois College could not support the total number of seedlings produced in the study. In total, over 250 seedlings of *S. brevilabris* were produced in just 40 days using the symbiotic propagation method, nearly doubling the known population. Of these 250 seedlings, 170 were reintroduced into six sites throughout Levy County, Florida. After 30 days, 100 percent of the reintroduced orchids survived, and 17 flowered in the first growing season. Efforts to closely monitor the re-introduced *S. brevilabris* plants continue to this date.

### Looking Forward

The success of the symbiotic propagation and reintroduction of *S. brevilabris* has allowed for a good recovery in the overall population of this terrestrial orchid considered endangered by the state of Florida. This same success has also ignited my desire to continue the efforts directed at native orchid conservation through symbiotic propagation techniques, which I plan to make the focus of my graduate studies. By implementing the same techniques used in the reintroduction of *S. brevilabris*, a light of hope that signifies

a means of salvation for our spectacular native orchids can be cast throughout the orchid community. Even if an orchid is considered common in an one area, all orchids remain at risk from illegal poaching, habitat destruction and environmental changes. For this reason, I encourage anyone who has an interest in orchids to consider the possibilities of native orchid conservation using the techniques demonstrated through the symbiotic propagation and reintroduction of *S. brevilabris*.

**Acknowledgements**

Thanks are extended to Jagila Minso for her assistance in this project, to the Illinois College Department of Biology for their financial support of undergraduate research and to the San Diego County Orchid Society for their financial support of this project. I also owe my love of native orchids to Lawrence Zettler and Paul Martin Brown, for without their guidance and patience none of this would have been possible.

Scott L. Stewart completed his undergraduate studies as a biology and chemistry major at Illinois College, Jacksonville, Illinois, under the direction of Lawrence Zettler, PhD. He has been active in orchid research for the past four years, and will be continuing his symbiotic propagation studies while pursuing a PhD at the University of Florida, Environmental Horticultures Department, Gainesville, under the direction of Michael Kane, PhD. Environmental Horticulture Department, PO Box 110670, University of Florida, Gainesville, Florida 32611 (email [slstewar@hilltop.ic.edu](mailto:slstewar@hilltop.ic.edu)).



Members of the *S. breviabris* propagation and reintroduction team included Paul Martin Brown (far left), the author (middle) and Jagila Minso (far right). Also shown are Kwami Peenick (second from left) and Elizabeth Rellinger Zettler, PhD (second from right).



A flowering plant of *S. breviabris*



This laboratory grown, reintroduced plant of *Spiranthes brevilabris* initiating anthesis, is one of 17 plants that flowered in the first season after reintroduction.

Reintroduction of *S. breviabris* into one historical site in Levy County, Florida, by the author (top) and Jagila Minso.



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# Quail Botanical Gardens Update:

May AOS Judging at the new center  
by Loren Batchmann

The May 5<sup>th</sup> AOS judging at Quail Botanical Gardens was another rousing success with 6 AOS awards granted, four to San Diego County growers, 1 AMs, 3 HCCs and two CHM (Certificate of Horticultural Merit) out of about 25 plants entered for judging. The Pacific South AOS Judging Region is very pleased with the support, both plants and backing, from the San Diego area and society members. The number of awards to local growers for this year to date is far more than to the Los Angeles, Orange County and Santa Barbara areas combined. The May 5 awards are as follows:

Plant Name	Varietal Name	Award	Exhibitor
Encyclia citrina	Yasnita	AM 85	Andy's Orchids, Encinitas, CA
Phal. FANGtastic Don Herman (Golden Peoker x Norman's Mist)	Mentor	HCC 77	Norman's Orchids, Montclair, CA
Phal. (Golden Sun x Lee Kai Choon)	Good Friend	HCC 78	Norman's Orchids, Montclair, CA
Bulbophyllum frostii	Yasnita	HCC 77	Andy's Orchids, Encinitas, CA
Dendrobium igneum	Yasnita	CHM 84	Andy's Orchids, Encinitas, CA
Bulbophyllum tricanaliferum	Yasnita	CHM 85	Andy's Orchids, Encinitas, CA

# Quail Botanical Gardens Update:

June AOS Judging at the new center  
by Loren Batchmann

The AOS judging at Quail Botanical Gardens was held on June 2<sup>nd</sup> with 4 AOS awards granted, three to San Diego County growers, 3 AMs and one HCC out of about 20 plants entered for judging. The Paph. superbiens shown by Fred Clark was one of the best ever seen by the judges. It was raised from a colchicine treated sibling cross, and may well be a tetraploid form of the species. The Bulbophyllum fletcherianum shown by Nicholas Braemer was a large plant with leaves nearly 3 feet long and 8 inches wide, and with a broad cluster of 37 deep burgundy flowers with a remarkably bad fragrance (or stench) resembling that of a corpse. Bulbophyllum fletcherianum is similar to Bulbophyllum phalaenopsis, with which it is often confused, and the flower was larger and fuller than the highest awarded of that species. It almost required a gas mask to get close enough to measure and count the flowers, and, being the one to measure the flowers, I could smell it for hours afterwards. The Catasetum denticulatum shown by Fred Clark is a small growing species, and had a wonderful fimbriated (fringed) lip and large number of flowers for the species. Helmut Rohrl's Unnamed Encyclia, a hybrid of (belizense x alata) was a superbly flowered plant with a tall well branched spike and many flowers. The awards listed as provisional, require verification of the species in the case of the Bulbophyllum fletcherianum, or naming of a hybrid in the case of the unnamed Encyclia cross.

The June 2 summary of awards is as follows:

Plant Name	Varietal Name	Award	Exhibitor
Paph. superbiens (curtisii)	Sunset Valley Orchids	AM 83	Fred Clarke, Vista, CA
Bulbophyllum fletcherianum CA	Paul's Fragrance	AM 82 (Provisional)	Nicholas Braemer, Torrance, CA
Catasetum denticulatum	Sunset Valley Orchids	AM 80	Fred Clarke, Vista, CA
Unnamed Encyclia (belizense x alata)	La Jolla	HCC 76 (Provisional)	Helmut Rohrl, La Jolla, CA

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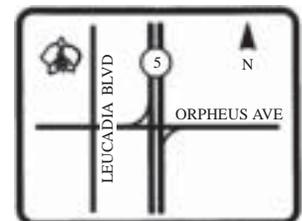
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Adaglossum	Degarmorara	Odontocidium
Ascocenda	Dendrobium	Odontonia
Bakerara	Encyclia	Oncidium
Beallara	Howeara	Paphiopedilum
Borrageara	Miltassia	Phalaenopsis
Brassia	Miltonia	Vuykstekeara
Brassidium	Miltonidium	Wilsonara
Cattleya	Mokara	Zygopetalums
Colmanara	Odontobrassia	And more...

**Visit us soon. No appointment necessary**

CAL PACIFIC PLANT FARMS, INC.  
1122 Orpheus Ave.  
Leucadia, CA 92024  
Hours: 8am - 4pm MTWThF  
Sat. 9am - 3pm  
760.436.0317



# Get out your digital cameras!

Submitted by Ivan and Rosemary Harrison

Ivan and I thought it would be fun to start a section in the newsletter that features members' orchids in bloom – that way we can see what's in flower in which month.



Here is a small selection of what we have flowering right now. Next month, we hope that lots of people will send Michael Orser (e-mail: [editor@sdorchids.com](mailto:editor@sdorchids.com)), our editor, a photo or two. Can't guarantee that there will be enough room to include all of them each month, but it should beautify the publication. Sorry that everyone who receives the hard copy through the mail only get to see them in black and white – us email types

get them in color!

This month we wish to show you the following three pictures:

Brassavola culcullata - above

Dendrobium uniflorum - to the left

Epidendrum ilense - below



## CONTINENTAL AGENCY

- ❖ Licensed Customhouse Broker
- ❖ Door to Door Service
- ❖ Just 5 minutes from LAX

We provide prompt, reliable and experienced Import personnel to assist you in bringing in orchids from anywhere in the world.

Located in the **SAME BUILDING COMPLEX** as the U.S. Department of Agriculture, we can closely track your shipment through CITES and Phytosanitary inspection process.

Speed up transit time for perishable orchids, cut down on your costs. And make it easier for YOU.

Ask for Ted or Monica. We have many happy San Diego customers. Ask us for references!

### CONTINENTAL AGENCY

9470 SOUTH LA CIENEGA BLVD., INGLEWOOD, CA 90301

Phone: 310.649.5430 Fax: 310.649.5436

## DAVE REID'S ORCHIDS

Escondido, CA 92026

760.728.7996

### Patritioic Sale!

Three Cattleyas - one red, one white, and one blue - \$75

Miltonias in bud and in bloom  
\$25 - \$35 - \$45

Lc. Sea Breeze in bud - \$30  
(it's a blue Cat!)

We also buy orchid collections & also individual specimen plants

PLEASE CALL FOR AN  
APPOINTMENT

# SDCOS Board of Directors Meeting

by Romy Reyes

June 10, 2003: Meeting called to order at 7:08PM

Present:

Gary Pierwola, David Graham, Ivan Harrison, Genie Hammond, Barbie Mays, Dave Mays, Bob Clark, and Romy Reyes

Other Members Present:

Judy Pierwola, Ro Harrison, Lynn Ford, Candy Kalman, David Brown, Ron Kaufmann, and Peter Tobias

Reports

Minutes of the April meeting was read and approved by motion. Treasurer Barbie Mays- Reports for the months of April & May were read and approved by motion. First Vice-President Ben Machado- Our own Tom Biggart will be the guest speaker for the July general meeting. Second Vice-President Ivan Harrison- Ms. Judith Abeles will be the presenter at the Beginners Class. TOPIC: Orchid Culture with Hydroponics

Old Business

Ms. Lynn Olsen from the SDSU library has offered the library as a place for a future SDCOS board meeting. The library is available in the months of July and August. The board agreed to have a meeting at the SDSU library which has an extensive collection of Orchid books. Peter Tobias suggested that the proposed orchid auction be held in November. Discussion for the suggestion has been tabled for the next board meeting.

New Business

Society members who have not paid the Spring Show tickets will be receiving reminder letters. The board has appointed Ms. Candy Kalman as Chairperson of the Special Events Committee.

Miscellaneous:

The SDCOS mini show will be on July 25, 26, & 27, 2003 in [Balboa Park](#). Please mark your calendar.

Meeting adjourned at 8:15PM.



## HELP HOTLINE

The SDCOS offers this service to members who seek cultural information about their orchids. Here are some friendly hobbyists with a great deal of experience about certain types of orchids, and who have kindly volunteered to answer your questions

Cattleyas, Oncidium/Odonts, Vandaceous,  
Greenhouse grown, West SD County  
Forrest Robinson - 858.270.6105

Species, all types, Indoor and Outdoor  
Ann & Paul Tuskes - 858.274.5829

Paphiopedilums  
Ann Tuskes - 858.274.5829  
Bob Hodges - 619.461.4915

Phalaenopsis, Cattleyas, and Dendrobiums  
Bob Swanson - 619.465.2297

Vandas, Ascocendas  
Edith and Leno Galvan - 619.441.7503

Encyclias, Epidendrums, Laelias  
Tom Osborn - 760.787.0282

Pleurothallids  
Don van Kekerix - 619.224.4938

Cymbidiums  
Loren Batchman - [casa@orquideas.com](mailto:casa@orquideas.com)  
Sam DeMaria - 619.295.2951

Northeast County, all types  
Dave Reid - 760.728.7996

San Diego West County, all types  
Jean Beck - 619.435.8211

San Diego Central, Outdoor, all types  
Jim Wright - 619.276.5295  
Fred Tomaschke - 619.276.3235

San Diego East County, all types  
James Masst - 619.443.2800  
Bud Close - 619.444.8839

South County all types  
Genie Hammond - 619.426.6831  
Ed Marty - 619.470.717

New Member & Novice Class Information  
Ivan and Rosemary Harrison 619.448.3312

## DATES TO REMEMBER...

July 1st, 6:30 pm  
Beginner's Class  
First Tuesday each month  
Room 104, Casa del Prado, Balboa Park  
Ivan and Rosemary Harrison 619.448.3312

July 1st, 7:30 pm  
General Meeting  
First Tuesday each month  
Room 101, Casa del Prado, Balboa Park  
Gary Pierwola 619.426.9108

July 5th, 9:00 am  
SDCOS Species Group Meeting  
First Saturday each month  
Paul or Ann Tuskes 858.274.5829

July 7th, 7:00 pm  
Quail Botanical Gardens Judging Center  
First Monday each month Encinitas. Bring plants in!  
Make those judges work!

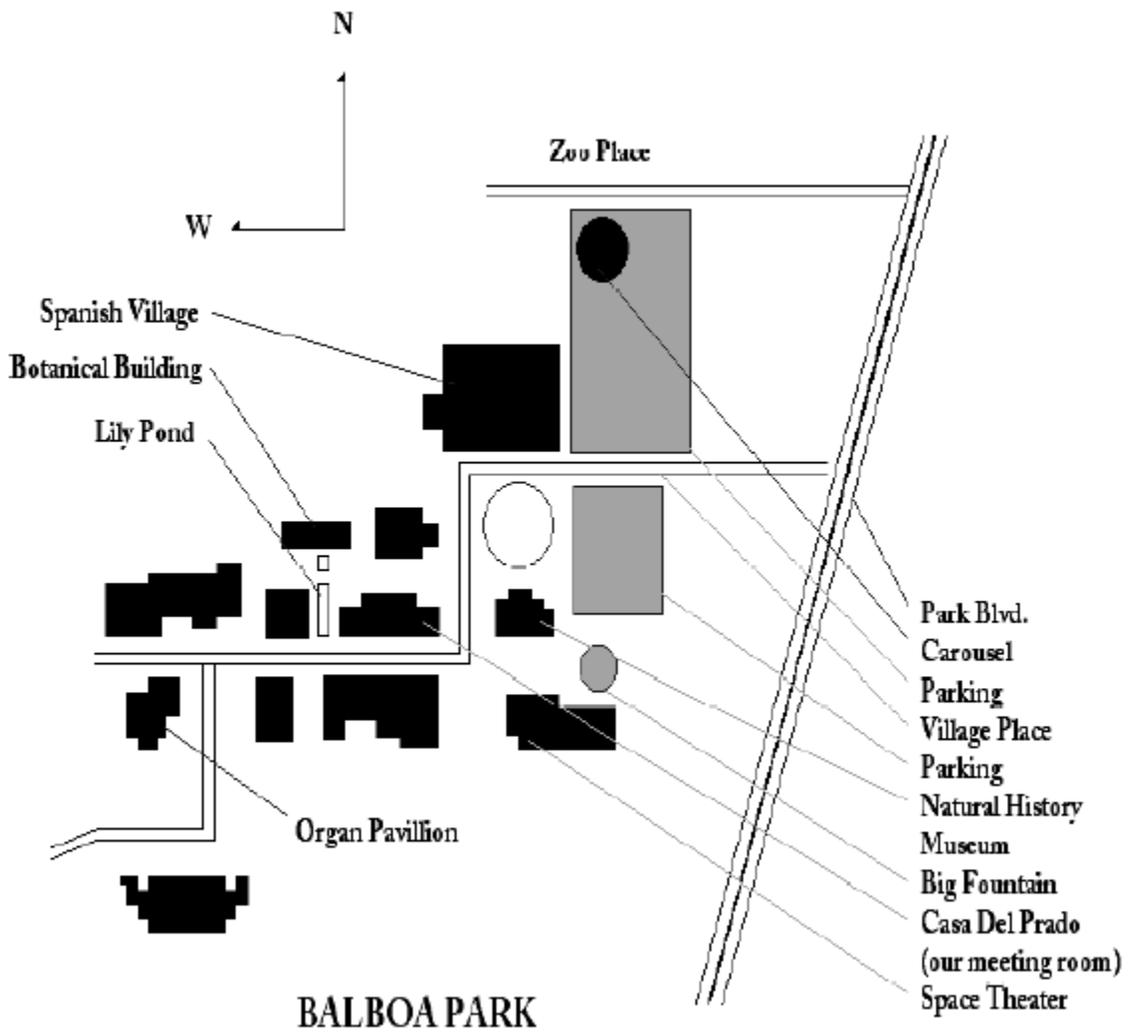
July 8th, 7:00 pm  
SDCOS Board Meeting  
Second Tuesday each month  
Balboa Park  
Romy Reyes 619.328.6578

July 16th, 6:30 pm  
Cymbidium Society Meeting  
Third Wednesday each month  
Carlsbad Women's Club  
Larry Phillips 619.746.5518

July 18th, 10 am - 2 pm  
San Diego Zoo  
Orchid Greenhouses Open House  
Third Friday each month  
Janette Gerrity 619.231.1515 ext. 4306

July 18th, 6:45 pm  
Palomar Orchid Society Meeting  
Third Friday each month  
The Carlsbad Women's Club.  
Wayne Preston, 760.727.7255

July 19th, 9:00 am  
Hybrid Orchid Group  
Third Saturday each month  
Applied Physics & Mathematics Bldg, UCSD  
Helmut Rohrl 858.452.0976



Membership Chairman - [Vivian Follmer](#)  
 San Diego County Orchid Society  
 13127 Roundup  
 San Diego, CA 92129

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