

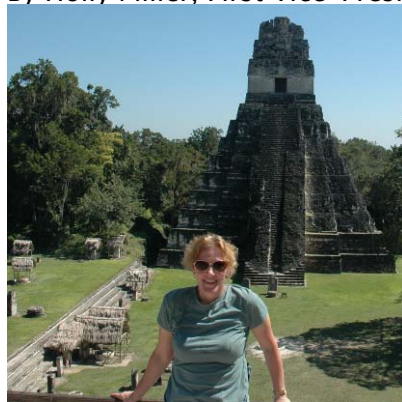
THE HOUSTON HAPPENINGS

The Monthly Newsletter of the Houston Orchid Society, Houston, Texas

Speaker Spotlight

Nina Rach

By Holly Miller, First Vice-President



Nina Rach will be speaking about "Orchids of Guatemala" at the February meeting. She will introduce us to this volcanic country, which bridges the continental divide, and show species from several different climatic

areas. Beginning in Guatemala City (4,900 ft elevation) and nearby Antigua Guatemala (5,000 ft, World Heritage site), we'll see highlights of shows put on by the Asociación Guatemalteca de Orquideología and species that grow wild within Guatemala City. We'll move north to Coban (4,500 ft; founded in 1543 and nicknamed the "orchid capital"); further north to the Peten jungle near borders with Belize and Mexico (400 ft; Tikal National Park, surrounding the great Mayan city); west to the volcanic Guatemalan highlands (5,000-12,500 ft; Lake Atitlan, Chichicastenango area); and finish at several sites in a wonderful high plateau northeast of Guatemala City.

Guatemala's national flower is *Lycaste skinneri alba*, and lycastes abound in the country, along with species of *Brassavola*, *Catasetum*, *Cattleya*, *Encyclia*, *Epidendrum*, *Maxillaria*, *Oncidium*, *Phragmipedium*, *Platystele*, *Pleurothallis*, *Sobralia*, and of course, *Stanhopeas*. Guatemala is the home of Margaret and Michael Dix (Checklist of the Orchids of Guatemala, revised 2000); Silvia and Mario de Palmieri; and until recently, Moisés Behar and the late Otto Tinschert, authors of *Guatemala y sus Orquideas/Guatemala and its Orchids*. (Bancafe, 1998).

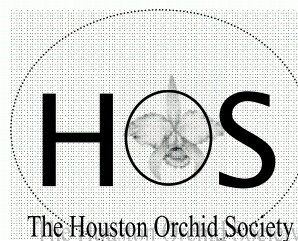
Nina is an Accredited AOS Judge affiliated with the Houston Judging Center and a past-president of the Houston Orchid Society. She joined HOS in 1988, so this marks 20 years as a member!

For more information, visit:

- (1) AGO website: <http://www.geocities.com/agointernet/>
- (2) "The Monja Blanca - Guatemala's National Flower," <http://www.revuemag.com/article-print-151.html>
- (3) HOS member Bill Bartlett, who has made innumerable trips to Guatemala and is a keen collector of textiles, in addition to being a splendid orchid grower.

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The Houston Orchid Society was established in 1945 and is a recipient of the AOS Distinguished Affiliated Societies Service Award.



Pre-Order Plants for March

Our speaker for the March HOS meeting will be Glen Decker, the owner of Piping Rock Orchids, which is well known for its *Paphiopedilums* and *Phragmipediums*, among other types of orchids. His presentation will cover *Phragmipediums* and their culture, with a discussion of the species, including *kovachii*, and a look at some of their hybrids.

Glen will bring a limited number of plants to sell at the meeting and he is also taking pre-orders online through his website, to ensure that you can get what you might want. There will be NO shipping charge, which makes this a nice deal! Orders must be submitted by Monday, March 3rd.

Go to his website, www.pipingrockorchids.com, and click on Online Catalog to shop. To place an order, fill out the full billing information but under shipping information, just put your name and type "Bring to Houston Orchid Society" in the address section. Then put your credit card info and submit. He will deliver them at the meeting on March 6th. You can contact me at hollymil@earthlink.net, or Glen at PipingRock@aol.com, by email with any questions.

President's Post

By Deana Roberts, President



TOO MANY ORCHIDS & TOO LITTLE ROOM, Oh what to do, what to do, this is a litany that I hear from my orchiholic friends this time of year. During the lazy summer months and especially this past summer with lots of rain, sun and good growing conditions, it was way too easy to let your collection addiction get out

of control. Indolently swaying under trees, sitting on balconies or porches orchids grew big strong and happy - orchid nirvana. Now, the awakening, unseasonably warm January 70's to unexpected plunging 30's - Houston, we've got a problem. If your plants have a greenhouse to live in, don't read this article, it doesn't apply to you. Unfortunately, I know many enthusiasts who are living this story now. So, you move your babies into a too small or makeshift greenhouse crowding them together on benches and hanging them on overhead poles. We all know that orchids are like people and their basic wants and needs-- good air circulation, water, light, nutrition, yaddaa, yaddaa, yaddaa are compromised. The quixotic Houston weather and the need to protect them from these sudden cold snaps causes overcrowding and in turn deprives them of these basic needs and plus they give up the space needed to be observed.

Continued on Page 6

Houston Judging Center

January 14, 2008

There were 14 plants entered for judging with 4 awards:
Slc. Little Fairy 'Jennie' (Slc. Kauai Starbright x C. Netrasiri Beauty) AM 80 points, owned by Renee & Marvin Gerber, Houston, TX

Vascostylis Roll on Red 'Allstarr' (Vascostylis Crown Fox Red x Ascocenda Peggy Foo) HCC 78 points, owned by Calvin Starr, Pearland, TX

Blc. Copper Queen 'Remar' (Blc. Richard Mueller x Blc. Toshie Aoki) HCC 77 points, owned by Renee & Marvin Gerber, Houston, TX

Vanda Viboon 'Allstarr' (V. Kretcant x V. Keeree's Sapphire) JC, owned by Calvin Starr, Pearland, TX

There were 15 Accredited Judges, 2 Probationary Judges, and 4 Student Judges present with a total of 23 persons attending. The next regular judging will be held on February 16, 2008 at the University of St. Thomas, 2000 Mt. Vernon St., Houston, TX. This is the annual Judging Seminar beginning at 9:00 A. M. and will be held in the Cafeteria building. It is requested that all plants be entered before 11:30 A. M. so that they may be properly researched prior to judging.

Winners' Tips



Hybrid Winner: Blc. Newberry 'Plum Island' HCC/AOS
 Grown by Gerald Kitchens



We were unable to get growing information from Gerald for this beauty which is a shame since the flower is absolutely spectacular. Congratulations on a well grown plant!

Species Winner: *Bulbophyllum laxiflorum*, shown by Denny Haas



I like this species because it doesn't take up much space on the bench!!! It was a plant that I got in a shipment from the Philippines and it is found all over Southeast Asia. It can be grown in a pot, basket or mounted on tree fern, etc but must be kept moist through its growing period which is almost all year! I keep it in bright light a step down from the Cattleyas but not as dark as the Phalaenopsis. I fertilize weakly every time I water. Some people set the pots in shallow trays to allow water to wick up longer after watering. It is a winter bloomer and can have 20+ flowers on each inflorescence.

HOW FLASKING HAS CHANGED CONSERVATION

By: Doug Harris, HOS

Part Two -- Seed Germination Through Flasking Techniques

Somewhere back in the 1920-1930 era, scientists managed to produce protocorms then seedlings inside flasks with sterile substrates containing the essential nutrients with which the seedlings could be produced, completely devoid of the natural fungi. These media were developed primarily for epiphytic orchids. Knudsen, Burgeff, Harvais, Malmgren and others since have developed recipes or media formulations used for specific types of orchids. The success rate of development of new seedlings in such a process has begun to reach as high as 90% germination! The time period to develop plantlets is much less than that of natural surroundings as well, some at perhaps 1/10 of the time.

Other developed processes now provide actual cloning of plants through tissue culture of plant materials other than seed. One sliced portion of a root tip can be used to produce thousands of new plants; however, all plants thus produced involve only the genetics of a single plant. But for the present, let us look at what the flasking of seeds can mean to the conservation of rare and endangered orchids. To provide plants which have more than a single genetic composition, seed which has genetic characteristics of both the parents enable us to draw from a pool of plants growing in nature, thereby providing genetic diversity between the descendants so that the genetics of the plants can compete. Natural differences allow competition with surrounding plants.

For example, three containers of seed were found on three different plants collected from different locations for the *Cypripedium kentuckiense*, or *kentuckiensis*, restoration project now underway by the Houston Orchid Society in cooperation with a Federal botanist and the Stephen F. Austin College in Lufkin, Texas. A diverse genetic pool is thereby maintained for those plants that will be developed for us to grow and transplant back into the forests. I like the survival capacity inherent in such a situation. Possibly getting seed from next year's pollination can expand the pool even more.

To see how far the process of flasking as it is related to cypripediums, has advanced let us look back some 10 to 15 years or more. A number of flasking labs and individuals had been trying to use media containing ingredients which had been used to propagate *Cattleyas* and other epiphytic orchids. By 1989, Svante Malmgren had begun using certain amino acid compounds which in large part replaced the ammonium nitrate in previous epiphytic formulations. The North American Native Terrestrial Orchid Society's 1989 conference proceedings reported the changes. The substitution of these amino acids seemed to resolve problems of the high nitrogen coming from ammonium

AOS Corner

By Melba and Jim Butler

Insight as to what was on the agenda in early 1951 in the orchid world is evident by the pages of the February 1, 1951 issue of the American Orchid Society Bulletin:

"February 23-26 - Seventh Annual International Orchid Show, Municipal Auditorium, Bayfront Park, Miami Florida.
 February 24-March 4 - Greater Cleveland Home and Flower Show, Cleveland, Ohio.
 March 3-10 - National Flower Show, Baltimore, Maryland
 March 3-11 - California International Flower Show, Hollywood Race Track, Inglewood, California.
 March 5-10 - Thirty-Fourth International Spring Flower Show, Grand Central Palace, New York, New York.
 March 5-10 - Philadelphia Annual Spring Flower Show, Commercial Museum, Philadelphia, Pennsylvania.
 March 10-12 Northwest Northwest Orchid Society's Fourth Spring Show, Auditorium, Seattle Post-Intelligencer, Seattle, Washington
 March 11-17 - Eightieth New England Spring Flower Show, Mechanics Building, Boston, Massachusetts.
 March 12-18 - St. Louis Flower and Garden Show, St. Louis, Missouri.
 March 16-19 - Houston Orchid Society Show, Exhibition Hall, Shamrock Hotel, Houston, Texas.
 March 31-April 8 - Michigan Flower and Garden Show, Convention Hall, Detroit, Michigan.
 April 5-8 - Sixth Annual Santa Barbara Cymbidium Show, Recreation Center, Santa Barbara, California.
 April 9 - Orchid Society of Southern California Orchid Show, Plummer Park, 7377 Santa Monica Boulevard, Hollywood, California.
 April 21-22 - Fifth annual Orchid Show of the San Diego County Orchid Society, Balboa Park, San Diego, California.
 April 27-May 4 - California Spring Garden Show, Exposition Building, Oakland, California.

This list represents a good many of the larger societies that were enjoying orchids as much as those of us who are this week (Jan. 14, 2008) preparing to attend, next Sunday and Monday (January 19-20), the spring meeting of the American Orchid Society in Miami, Florida. Plus, an even larger number of orchid lovers will be joining those who are staying the remainder of that week (January 22-27, 2008) at the World Orchid Congress (WOC). The rare occurrence, about once every 25 years, of the WOC being hosted in the United States is one of the shows most of us would not miss. True, Florida and California shows are always wonderful, but the WOC is always one of those events when exhibitors do things with orchids that border on pure fantasy. We will venture to say that in our opinion, even Disney couldn't do it better!!

We're looking forward to seeing all of you there!! For more information, visit the web site <http://www.19woc.com/> or <http://www.aos.org/aos/events/page04.aspx>. The WOC web site is literally clocking off the seconds until it begins and so are we!!



Culture Q&A

HOS Culture Q&A Panel: Ted Baenziger, Jay Balchan, Dolores Fields, Joe Fields, Marvin Gerber, Renee Gerber, Doug Harris, Rick Hepler, Julius Klehm, Nina Rach, and Greg Scott.

Q: I've had a lot of "dry sheaths" on my Cattleya Alliance plants this year. Is there a particular reason that this happens?

A: First of all, count yourself lucky for "dry sheaths" on my Cattleya'. I had scads of blackened growths with no sheaths developing at all. The short answer is "It rained." The longer answer is that we had too many cloudy rainy days this past summer and the plants tried but failed to develop normally. I know some growers who had leggy growth that flopped over. Mine blackened, like I said. Your sheaths were empty. With nearly twice the amount of rain as normal in June/July and only 2/3 the light, our Cattleya group went into a dark funk and decided to misbehave.

That said, we could have been more cautious and given fertilizer that would have minimized the damage, or better drainage, or more light. You see, rain and lack of sunshine mean a) leaching of micro-nutrients but also severely acidic conditions, and b) weaker growth prone to rot (fungus). Your problem was lack of nourishment by leaching. Mine was lack of adequate drying and therefore "sour" medium, harboring pathogens. I know this is true because my Catts in baskets or on mounts did not suffer. They only got huge infestations of scale.

Let's be honest: Houston is always a gamble, if you grow outdoors. Too hot? Bad news. Too wet? Different bad news. Too dry? Tough. Be ready for everything, and do not go off to France for a month while everything fries, or drowns or coughs up its last. - Ted

A: Dry sheaths are nature's way of protecting buds until it is time for the flowers to bloom. Many Cattleya hybrids with *C. aurantiaca*, *C. skinneri* and other bi-foliolate Cattleyas bloom through dry sheaths. Best to leave them on the plant and let buds grow through dry sheath. - Marvin

A: One of the monopodial species of cats passes that trait on to its offspring. The plant will wait for spring and then bloom from the dry sheath. Also, if the plant isn't mature enough to support flowers BUT close, it will make what is called "blind sheaths". The following yr. it should bloom from new growth. - Rick

A: Depending on the species of Cattleyas, dry sheaths are just part of the plant. Some Cattleya species produce green sheaths right as the flower buds are growing...some Cattleya species produce the sheaths first (which dry out) and then the buds are produced within them months later. I'm sure many of the more knowledgeable Cattleya people can tell you exactly what species produce each type and which of these are

dominate in the hybrids. In any case, be careful in taking off the dry sheaths as there may be a hidden set of buds growing underneath !! - Jay

A: Some sheaths naturally die on plants but atmospheric conditions can also cause it. It is usually of no concern and one should split the top of the sheath and tear it slightly and the buds should come on out at the plants regular blooming season. This should be done as soon as the sheath begins to turn brown. If buds are already in the sheath, be very careful in the splitting of the sheath. Sometimes the sheath will cause the buds to rot but by splitting the sheath, air is allowed in the sheath so that it can naturally dry without causing harm to the buds. - Julius

A: That's a really common question. No one knows why it happens. There's been speculation about it since I started growing orchids in like, 1971. I've never heard a satisfactory answer. - Nina

Recap: January 2008

Speaker: Dottie Woodson

Topic: Orchid Pests and Diseases

Deana Roberts introduced several of the Group Chairs who are working hard to make the HOS a success this year. Don Ghiz gave us a brief update on the upcoming show April 4-6 which will be in conjunction with the Houston Garden Show. Melba Butler also gave a brief review of progress on the 2009 Spring AOS meeting which will be hosted here during our show.

Our speaker was Dottie Woodson, Extension Specialist from Texas A&M University (see January HOS Happenings for a complete listing of her credentials). She gave us one of the best talks in a while with reminders on sanitation, pest management, Integrated Pest Management (IPM), and best management practices for general horticulture. It was a good reminder for all of us that the winter is not a time to ignore those plants we have in the greenhouse. Go out and spend some time monitoring their progress. Check to make sure that new infestations of insects are not weakening plants or eating at new growth which will enable them to bloom later in the year.

There was so much good information that we've asked her to provide either links or original materials that we can post on the website. As of this writing, we have not been able to do so, but we'll let you know when the information is there.

Conservation (Continued)

Nitrate while allowing the reduction of the kinetin hormones previously used to instigate seed germination. One aspect of flasking that became apparent was that the temperate orchids like cypripediums develop into small plants while in total darkness, unlike many of the epiphytic orchids. Only Mexico's *Cypripedium irapeanum* seems to require light as its leaves began to form on the small protocorms.

William F. Steele reported some differences in a modification of Harvais' 1982 flasking media in the 1996 NANTOC proceedings. His experience with a number of the terrestrial orchids had somewhat increased the survival rate of germinating mature seeds. These pioneering efforts shed new light on how to successfully get seedlings of *Cypripediums* that did not require the presence of symbiotic fungi. Curiously, rather than use any kinetin at all, Steele found that using raw potato mixed with the media before the flask and contents were sterilized seems to furnish the seeds with sufficient growth incentives, both in mother flasks where protocorms develop and then in replat flasks to which the protocorms are placed on fresh media separated with room to grow.

Sterilization of mature seed by using calcium hypochlorite or sodium hypochlorite in solution with water removes mold, fungal and bacterial infections of mature seed. Sources of these bleaching solutions are available for use from HTH pool granules or common household bleach. The efficacy of the disinfection process was enhanced by using small vacuum pumps to remove air inside the seeds which allowed the seed to become saturated throughout the shell or seed husk. What happened to *Cypripedium* seed accidentally left in a bleach solution after the previously recommended sterilization period? Anderson (1990) reported a higher germination rate from the overly bleached mature seed compared to those withdrawn at the specified time.

As the differences in culture requirements became known, the survival rates continued to increase. Steele grew *Cypripediums* for his personal program of supplementing natural populations and then realized that the developing techniques yielded more than had been expected, thereby providing an opportunity to sell excess seedlings began offering them to the public in his Spangle Creek Labs. Cyp Haven, owned by Carson Whitlow and other flasking labs and nurseries specializing in *Cypripediums* have arisen in the USA and across the world from Europe all the way to China and Japan.

So making the populations of *Cypripedium kentuckiense* increase to provide sufficient numbers to prevent its disappearance in Texas has become possible. The extinction of this slipper can be prevented by programs and projects to restore, reintroduce or even starting whole new colonies. Flasking can be used to overcome the competition with natural fungi, being devoured by feral hogs, and perhaps even depredations by human collectors.

Meet Catherine Brown, Recording Secretary



Katherine Skinner Brown

I am very pleased and excited about serving the society and you, its members, as Recording Secretary during 2008. People and plants are at the top of my fun list, so participating in the society is my perfect activity. I am active in both HOS and the Galveston Orchid Society and am a brand new student at the Houston Judging Center.

After 15 years in Colorado and Louisiana, I moved back to the Houston area in 2005. I am currently the Public Library Director in Baytown. My 300+ plants and I love the constant breeze and warm temps.

Introducing Donna Williams, Membership Secretary



Hello. My name is Donna Williams. I am the new Membership Secretary for the Houston Orchid Society. My husband is Johnny Williams and he is a new member of the Board of Directors for the Society. Last year we ran the raffle table. We joined the Houston Orchid Society in 2005.

I am an Administrative Manager in the Department of Patient Affairs at The UT M.D. Anderson Cancer Center. I have worked at M.D. Anderson for over 20 years and will be retiring at the end of January. At that time I will begin working part time for another company here in Houston.

I have many interests but am expert at none - just enthusiastic. Some of them are plants and gardening, birding, piano, sewing, crafts, family and friends. I am very happy to be a part of the Houston Orchid Society and recommend it highly to anyone with an interest in orchids.

Judge's Training Seminar, February 16th

The Houston Judging Center will host the annual Judges' Training Seminar on February 16th at the University of St Thomas.

The seminar is rotated among the Dallas, Shreveport, and Houston Judging Centers. We are expecting 40 to 50 judges and students from the three sponsoring centers and the San Antonio center.

The featured speakers are Fred Clarke of Sunset Valley Orchids who will present two programs, one on judging Cychnoches and their intergenerics, and the other on judging mid-size Cattleyas. Nina Rach will speak on judging Stanhopeas, preceded by Marilyn Holloway reminding us about the unusual taxonomy of that unusual genus.

The cost of the seminar is \$35.00 which includes lunch. HOS members are invited to attend, but seating is limited. If you are interested, send your check to Melba Butler, 1907 Windy Ridge Dr., Katy, TX

There will be no admissions accepted the day of the seminar.

President's Post (Continued)

Bringing them indoors usually means insufficient places with sufficient light, watering problems and the ensuing mess they create. This leads to frustration and the ideal setup for pests, disease and other problems.

Well folks, now is the time to take stock, CULL, EVALUATE and MANAGE your collection. Give those big leggy Dendrobiums to someone with more room, two or more of the same take pick of the litter and give the others away. Not satisfied with the color, scent or size of blooms on another plant orchid, give it away. If one is sickly, blooms poorly or not at all, send it to Kevorkian Orchid Heaven, Lord knows, we've all killed enough in our tenure of collecting that we need not fear being labeled as serial orchid killers. I once heard Donna Craig, say that greenhouse space was too costly to keep plants that did not bloom well. Last month I overheard Holly Miller tell someone who compli-mented her on her the orchids she brought to the monthly plant table that her collection was smaller than most, but it allowed her time to take be more selective and to better care for what she had. All good advice. Less is more! Give it a thought.

Welcome New Members

Julieta Dewberry
Darlene Mugrage

Welcome Guests

Libby Hayes
Evelyn Lightman
Susan Peacock
Emily Schwenke

Thanks for Refreshments

Cherie Lee

Orchid Sale

302 Virginia Lane, Friendswood, TX
77546

Phone: 281-482-3586; March 8, 2008;
8Am-5Pm

Over 2000 plants will be for sale. These will be mainly phals., paphs., phrags., cyms., cats., and dends.. Many will be in bud or flower. Very, very, very reasonable prices. All plant sales are 'first come, first served'. Bring your own boxes and cash or check; no credit cards.

Paul and Lynda Brandenberger



Committee Bulletins

Newcomers Group

Chair: Debbie Peterson-Chair dpeterson@avalonlp.com 281-890-0811

*Co-chair: Edwina Mitchell, Co-chair
Edwina.Mitchell@shell.com 281-479-6539*

This month's Newcomer's Group Meeting will be held at Jerry Stephens house (2507 Reba, Houston, TX 77019 713-529-0808 jerryhs@sbcglobal.net). Jerry grows an assortment of orchids. His collection includes 50% Phalaenopsis, 30% Cattleyas and 20% Oncidinae. We're looking forward to seeing his collection. Hopefully, lots of orchids will be in bloom for our viewing pleasure.

More detailed directions will be emailed out to the newcomer's a week before the meeting. If you don't think you're on the email list or you need to be called instead, please contact Debbie or Eddie. Please make sure to bring your nametag for a plant raffle.

Raffle Table

Chair: Lee and Gordon Rowell

Our plants for the February plant table will be from Carmela Orchids. Established in 1960 in Hakalau, Hawaii. Carmela Orchids provides beautiful orchids to both wholesale and retail customers worldwide. Carmela Orchids were one of the vendors at the 19th World Orchid Conference last month. We also see them at every one of the HOS shows; we all know who they are as we all flock to their booths. Go online to <http://carmelaorchids.com> and check out their website. Or, you can go online finding the mailing list and sign your self up. They will let you know of updates, sales, feature certain plants and other important news.

For those of you who do not get on the internet, please call, (808) 963-6189, and ask for Sheldon. So bring in your boxtops as there will be a flowering plant for that raffle. We will have a great selection of plants this month so please make it to our meeting and stop by the raffle table in hopes of winning a great plant. See you all there!

Remember when you wear your HOS badge you receive two chances to win for the door prize orchid.

Membership

Chair: Donna Williams (dfwilliam@mdanderson.org)

The last day to renew your membership for 2008 will be the February HOS meeting on 2/7. That is the very last day to get your name and address included in the 2008 Directory. Please get your memberships to me before then if you can. The cost for a single membership is \$30 and for a family is \$45. Checks should be made payable to the Houston Orchid Society and can be mailed to me at: Donna Williams, 8619 Blossom Bell Lane, Missouri City, Texas 77489. Please feel free to call me if you have any questions at 713-792-8628 or 281-438-1483.

Houston Orchid Society 2008 Officers and Committee Chairs

Officers

<i>President</i>	Deana Roberts
<i>1st Vice President</i>	Holly Miller
<i>2nd Vice President</i>	John Stubbings
<i>Recording Sec.</i>	Katherine Brown
<i>Treasurer</i>	Jill Smith
<i>Membership</i>	Donna Williams

Chairs

<i>Guest Hospitality</i>	Jean Schwenke
<i>Happenings Editor</i>	Susan Taylor
<i>Librarian</i>	Sarah Bentley
<i>Newcomers Group</i>	Debbie Peterson, Eddie Mitchell, Radka Fibangerova
<i>Parliamentarian</i>	Richard Champagne
<i>Plant Raffle</i>	Lee and Gordon Rowell
<i>Refreshments</i>	Cherie Lee
<i>Silent Auction</i>	Judith and Loren Neufeld
<i>2008 Spring Show</i>	Don Ghiz
<i>2009 Spring Show</i>	Melba Butler
<i>HOS Web</i>	Calvin Starr
<i>2008 Workshop Chair</i>	Ted Baenziger and John Stubbings

Directors

<i>Two-Year Term</i>	<i>One-Year Term</i>
Joe Fields	Fr. Ted Baenziger
Greg Scott	Calvin Starr
Melba Butler	John Jamerlain
Jim Butler	Phillip Free
Dave Hunt	Richard Lund
Johnny Williams	
Sandra Higham	
Dolores Fields	
Marvin Gerber	
Jerry Stephens	

Representatives

AOS Representative	Melba and Jim Butler
IPA Representative	John Stubbings
ODC Representative	Joe Fields
SWROGA Representative	Julius Klehm and Marilyn Holloway

Houston Orchid Society *February 2008 Meeting*

Program: Nina Rach
Orchids of Guatemala

Date: February 7, 2008

Time: 7:30 p.m. - 9:30 p.m.

Place: Houston Garden Center

2008 Speakers

January: Dottie Woodson, Pests and Diseases
February: Nina Rach, Orchids of Guatemala
March: Glen Decker, Piping Rock Orchids
April: Patrick O'Day, Cattleya Culture
May: Eric Christenson, Vandaceous Orchids
June: Bill Thoms, Bulbophyllums
July: John Stubbings, TBA
August: Norito Hasagawa, Paphanatics Orchids
September: Ron McHatton
October: Jane Paton
November: Greg Butler, Oak Hill Gardens
December: HJC Auction and HOS Party

HOS Website

www.houstonorchidsociety.org

Houston Orchid Society
The Houston Happenings
P. O. Box 648
Ace, TX 77326

