

GREATER LAS VEGAS ORCHID SOCIETY

THE ORCHID COLUMN

SUNDAY, MARCH 4, 2007 2PM



Carol Siegel, Newsletter Editor

BUILDING OPEN AT 1 PM

The room was packed to capacity as orchid guru Steve Frowine entertained and informed us with his very helpful talk on "Orchids for Dummies." No dummies are we- so we thoroughly enjoyed this delightful talk. Overcoming the failure of his power point projector, Steve did an off-the-cuff talk on orchid culture, which was just what we wanted and what we needed. At the end of the newsletter is an excerpt from Steve's very popular book, "Orchids for Dummies," printed with kind permission of the author.

Steve gives us lots of helpful hints for maintaining a superb collection. He suggests "getting rid of the evidence"- throwing away anything that isn't doing well. "That," he says "is what garbage cans are for!" He humorously advises us to wait until someone else pronounces those impossible orchid names and then copy them ourselves. If no one else steps up, he suggests giving it a stab- but saying it with authority so no one dares challenge us.

Among his other hints:

1. Cattleya leaves that are not getting enough light will be narrower and softer than when you bought it. Increase light.
2. Brown tips on leaves can mean humidity is too low.

3. Raise humidity to 50-60% to prevent bud blast and lack of plant vigor.
4. Repot your plant every year to avoid overwatering problems. New mix retains less water. Repotting catches problems before they are serious.
5. Feed your plants when they are in active growth and cut down when they are not.
6. Watering depends on so many variables. Pot weight is a good marker for when the plant is dry enough to water.
7. Ventilation with fans is very important for good culture.
8. Use limeaway(!!!) to remove ugly white spots on leaves.
9. Use Pledge and other wax-free cleaners to shine leaves
10. Remember that temperature, light, water and humidity are all inter-related. If temperature and light are higher, you must increase water and humidity.

If you didn't buy Steve's book, "Orchids for Dummies," we have one in our library that you can borrow. It is full of amusing and expert orchid advice.

We welcomed guests Vi Carlos, Donui Weaver, Dan and Vera Way, Kay Wise, Daniel Cavanaugh, Mavis Gardner, and new members Peggy Pierce and Debby Davis. We are so happy to welcome you into our friendly and interesting group. We hope you will come again!

Many thanks to Shelly North, Alana Sullivan, Terry Wilsey and Aaron Schave for the glorious food at our February meeting. It was above and beyond! Our Board-Clarice Dean, Eileen McKyton, Diana Smith, and I- will be presenting a Chinese feast at our March meeting. Very fun- and, we hope- delicious.

Our thanks to Tony Billitere and Ed McCormick for begging, picking up and schlepping plants from the hotel for our raffle. We made over \$100 profit and provided good plants and lots of orchid supplies to our members.

All our members enjoyed their Valentine-colored spray bottles as a gift from the club because we love you. It makes a really good container to hold the horticultural oil "Inschectercide."

At our March meeting, we will be selling Aussie Gold mix and fertilizer, horticultural oil, and seaweed extract. If there is anything you would like us to sell, just mention it! The club stay financial strong, and we get things we need at a reasonable price.

At our March meeting, we will have the pleasure of hosting Glen Decker. He began growing orchids at the age of 15 and holds a degree of Associate in Applied Science in Ornamental Horticulture. Glen is presently the owner of Piping Rock Orchids and was recently the chairman of the AOS Publications Committee. He has won numerous awards, including the Nax Trophy, W.W. Wilson Award and the Butterworth Prize. He has been seen in Martha Stewart's Better Living Magazine and a PBS TV special called "Orchid Delirium." Most recently, he rewrote the Slipper section of the Brooklyn Botanic

Garden's orchid book and was the technical editor for Wiley Publication's "Orchids for Dummies." (Orchids for Dummies- AGAIN!)

His fascinating and fun slide lecture (which I heard and loved at the Orchid Digest Day last year) is called ORCHIDS IN EUROPE- A TOUR OF ORCHID GROWERS AND FLOWER MARKETS OF EUROPE, showing us just how orchid growers do it there. It starts off in Holland, including the floating flower markets of Amsterdam and the main flower market in Aalsmeer, then on to Germany, finishing off at the Eric Young Foundation in Jersey.

Best of all, he will include some Phrag kovachii pictures and news. He is one of the few in the world to legally offer the fabulous new phrag hybrids, big as a dinner plate and deep magenta, that have caused such a stir. He will be selling some! You can pre-order plants from Glen at www.pipingrockorchids.com and email him at PipingRock@aol.com telling him what you want. His slipper orchids are out of this world and reasonably priced. You will save shipping and have the fun of knowing there are great plants waiting for you at the meeting.

Thank you to all the folks who have paid 2007 dues. Single dues for 2007 are \$30, and couple (two folks residing at the same address) dues remain \$40. You can send a check made out to GLVOS to me at: Carol Siegel 8601 Robinson Ridge Drive Las Vegas, NV 89117. I pay for the newsletter and postage myself, so if you are not going to join, please give me a call 254-4168 or email me growlove@cox.net so I don't keep sending you the newsletter. There is a database included with your newsletter for

your convenience. If you haven't paid your dues for 2007, you will find your name on the database underlined in yellow. Don't take offense. It is just a way of reminding our dear members that dues are overdue.

We will be participating in the Easter Show at the Cal again this year. We will have a display designed by our Shelly North, creative lady. We need your plants to make it happen. The setup for the display will be on Thursday, April 5th at 4 pm at the Ohana Room at the California Hotel. You can drop plants off at my house on Thursday (Call to set up a time 254-4168), and I will bring it down for you if you cannot. Tex and Gidget Severance will be judging for us, and we will need clerks on Friday morning at 10 to help. We will also be asking for volunteers as ambassadors at the show during our next meeting. The show will be open and free on Friday, April 6th from 1-5 pm, Saturday, April 7th from 10-5pm and Sunday April 8th 10-3. They will be selling orchid corsages and arrangements for Easter.

Fred Clarke of Sunset Valley Orchids tells me that he is organizing an Orchid Sale at the Flower Fields in Carlsbad, Ca. featuring 25 vendors on April 27-29th. It will be the peak blooming season of 50 acres of ranunculus. Interested? Write to Fred at fclarke@caritas.com.

At the end of the newsletter is a fine article written by our very own talented writer, Sharon Proehl. I love it, and you

will, too. There is also a list of questions and answers from ORCHIDS FOR DUMMIES, reprinted with permission as well as a fine review of a videotape on orchids in our library written by our own Bruce Weber. There is also an article I wrote on the national orchids around the world. Enjoy!

Keep warm. Keep blooming. Keep happy.
Love Carol 254-4168 growlove@cox.net

THE PEOPLE WHO MAKE IT HAPPEN:

CAROL SIEGEL- PRESIDENT
CLARICE DEAN -VICE-PRESIDENT
EILEEN MCKYTON- SECRETARY
DIANA SMITH-TREASURER
Dan Mumau, Michael Lawless, Marsha Hawley - Membership Hospitality Chairmen
Eileen McKyton/DanHawley-Welcome Desk
Lillian Patterson-Photographer /Historian
Dan Mumau/Mike Lawless/TonyBillitere-Raffle Chairmen
Marsha Hawley- Fund Raising Chairlady
Phyllis Bond, Leslie Doyle, Shelly North and Eileen McKyton- Special Events
Jeri Lee. Myra Glassman and Gail Harris- Nevada State Garden Club Representative
AlexMcKyton-BuildingChairmen&Webmaster
Tex Severance and Mike Levin- Show and Tell Gurus and Judging Chairmen
Scotty Nogaim- Election & Raffle Lady
Terry Wilsey- Club Travel Agent
Steve Ninemire Library Chairman Clarice Dean, Assistant Librarian, Trip Chairman
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COMING ATTRACTIONS...

Our meetings are held at the Nevada Garden Club Building at Twin Lakes and Washington between Valley View and Rancho at the western edge of Lorenzi Park. The meeting starts at 2, but I open the building at 1 for shopping.

March 4, 2007	Glen Decker, "European Orchid Growing Spectacular Phrag Kovachii"
April 1, 2007	Dr. Paul Johnson "Insects and Orchids:
May 6, 2007	Doug Conkin, "Growing Cattleyas"
June 3, 2007	Fred Clarke, Sunset Orchids, "The Exciting World of Bulbophyllum"
July 8, 2007	"The 15-Minute Solution"- A Culture Day
August 5, 2007	Barbecue Mt Charleston
September 9, 2007	Leon Glicenstein, "Jewel Orchids"
October 7, 2007	Helen Hersch, "Advanced Windowsill Growing"
November 4, 2007	Greenhouse Tour
December 2, 2007	Eighth Annual Holiday Party
January 6, 2008	Jim Comstock, 3D Photos of Orchids
February 3, 2008	Jason Fischer, Orchids Limited, Topic TBA
March 2, 2008	Steve Frowine, "Miniature Orchids"
June 1, 2008	Mike Blietz, Exotic Orchids of Maui, TBA

FANTASTIC VIDEO AVAILABLE

Bruce E. Weber

The Las Vegas-Clark Co. Library District (and our club library) both have a terrific 60-minute video that you may check out. It's called "Orchid Hunter" and was originally a NOVA broadcast. This program includes material not appropriate for younger viewers.

If you want to know why orchid hunters battle vicious kidnapers, brutal killers and uncharted jungles to find an undiscovered flower, this video is for you. What could possess a man to risk his life for a flower? In 2000, Tom Hart Dyke was kidnapped by guerillas and held hostage for nine months while hunting for orchids in the jungles of Columbia. Now he goes into the jungle of New Guinea, defying insects, snakes and headhunters in search of an orchid hunter's ultimate treasure- a previously undiscovered species.

The video describes how the orchid, once thought too erotic looking for a woman to be near, was named from the Latin word for testicle. Orchids can be traced back to the extinction of the dinosaurs, and today there are more species than any other flower. The video features interviews with Susan Orleans, author of the best-selling book, "The Orchid Thief, and scientists at Kew Gardens and visits the largest orchid "factory" in the world.

To learn the science behind the orchid's seductive power, check out this video soon. Even if you are not an "orchidophile," it will increase your passion for these exotic plants.

ORCHID: NATURE'S MASTERPIECE

BY MASTER GARDENER Sharon Proehl

We have heard from your notorious reputation that you are a most difficult plant to grow. It is also rumored you are quite expensive to purchase and maintain. You will be pleased to learn we intend to dispel as many of those rumors as possible, with your family of selection of more than 30,000 genus and hybrids growing from the snows of Himalaya to the shores of Tibet. Yes, with varieties of some form found in the humid hot equatorial rain forests to the arid dry climate of Las Vegas. Yes, there are about 13 species native to southern Nevada. In July, some members of the Greater Las Vegas Orchid Society rediscovered a native orchid (*Spiranthes diluvialis*) right here in Clark County. The rumor probably started in the early 1900's when people first started to try to cultivate orchids. Primitive shipping in conditions unlike their growing conditions led to massive loss of the cargo. Today's process of transportation has greatly improved but has yet to be perfected.

Let us begin with the purchase. Orchids come in multitudinous colors and sizes. Their growth habits are as varied as ours. Select your favorite. The orchid most recommended for the beginning grower is the *Phalaenopsis* (phalaena, moth plus opis, appearance) orchid or as the native's in Southeast Asia call it, the butterfly plant. It resembles a

butterfly as it sways in the tropical breezes from branches of trees. Therefore, an epiphytic grower, which means it clings to the tree trunks or branches but derives no nourishment from its host. It has been highly hybridized and the cultivars will flourish large showy blossoms or inflorescence (the flowering portion of the orchid also referred to as the spike). It blooms during the winter and early spring for over a month, then just cut the plant just above the node after the blooms are spent and enjoy more blooms in less than two months.

Expect this epiphytic plant with its large leaves evenly arranged on each side of the stem to grow to about six inches in height with butterfly like flowers about four inches in diameter on the central rosette or stem. Now is the time to place a prop for the plant to rest against as it grows. I collected branches from trees left by a local forest fire which were covered with charcoal. Any piece of wood is usable. Be sure to sterilize it, perhaps with alcohol. Alcohol will do just fine, except for the tools you use because alcohol does not kill viruses. The water here in the valley has too many elements to use for continual use as a watering agent for houseplants. Do use distilled or purified water, if possible. Fertilizer may be added during your water regime.

Never allow your plant to dry out or allow the roots to stay in water. The suggested plant soil to use is course free fern fiber, charcoal chips. This plant may be grown in light shade. This means no direct sun. Therefore, if you place your plant on your windowsill, do protect it from the midday sun. Location, location, location. If your orchid does not seem to be thriving in its present location, move it to a place more favorable to the plant. Periodically, turn your plant so it received equal distribution of elements and it will grow straight, if it is not growing attractively. Most orchids once established do not like to be moved.

I personally avoid using chemical insecticides on plants. Therefore,

check your plant for insects periodically. Use witch hazel or 70% isopropyl alcohol on a cotton swab to eliminate those unwanted guests. As for the flying pests, simply hang a paper plate covered on both sides with Vaseline in a close proximity to your visual delight. Try a shot of inexpensive vodka (not you, the plant) diluted in a spray bottle as an insecticide. As you remove dead or yellow leaves, be careful not to remove flower stalks because new blooms appear on old flower stems. Now how easy is that!

Not all orchids are epiphytic, a term I used earlier. This term describes any plant that grows above the ground and attaches to something else for support; nutrients are not taken from the supporting host but are derived instead from rain, air and available debris. Terrestrial orchids grow in the ground or in loose substrate atop the ground. Some are content growing among "bog" plants such as elephant ears (*Alocasia*) and papyrus (*Cyperus papyrus*). You have thousands of choices to make for your Orchid adventure. Consider the myriad of colors from the plain white hue to the dazzling brilliance of colors you never dreamed could be in a blossom, plus the stripes, dots, spots, sizes, shapes, not to mention those exotic fragrances...oh, it bedazzles the mind. Now that you are fully convince about the falsity of these senseless rumors. You are convinced, aren't you? Yeah! Yeah! Yeah!

Let's conclude with a starting point of your exciting adventure into the wide world of becoming an orchid officiate. Start with a visit to your local library. Taylor's "Guide to Orchids" and Clay and Hubbard's "Tropical Exotics" contained troves of information for me. Try the gardening websites. Don't miss James Comstock's "3-D Orchid Photos" presentation. Visit an orchid club meeting. For more information call the President of the Greater Vegas Orchid Society Carol Siegel, 254-4168 or growlove@cox.net. When you pick up that blue ribbon - Oh well, that's a little later. ❖

The Ten Most Frequently Asked Questions about Orchids

In This Chapter

Figuring out whether orchids are right for you

Easing your mind with the orchid answers you need

This entire book covers everything you need to know about orchids, but in this chapter, I answer some of the most common questions that beginning orchid growers have.

Are Orchids Difficult to Grow?

Orchids aren't difficult to grow — they just have particular requirements that are somewhat different from many other houseplants you may be familiar with. Thanks to modern orchid breeding, many of the orchids that are available for beginning orchid lovers are vigorous growers that are adaptable to a wide range of growing situations, and that bloom easily and frequently.

Selecting the right orchid for your conditions is one of the keys to success. See Chapter 2 to help you choose which one will do well for you.

Why Should I Grow Orchids?

Many expert and amateur gardeners consider orchids to be the most beautiful and exotic members of the plant family. Orchids are a huge group of plants with diverse cultural requirements. This

means that, no matter where you live, you can find a group of orchids that will suit your growing area. Also, because the flower forms, fragrances, and colors are so diverse, you can find an orchid to satisfy your taste.

Growing orchids is more than merely cultivating plants. You'll be joining a fraternity of avid (if not fanatical) orchid people who share your interests. Soon you may become a member of an orchid society (see the appendix), and you may visit various orchid growers and attend orchid shows. You'll form new friendships with others who share your passion. It's said that, after you're bitten by the orchid bug, there is no known cure. But what a wonderful affliction!

Do I Need a Greenhouse to Grow Orchids?

Absolutely not! Years ago, orchids were reserved for wealthy people who could afford elaborate greenhouses with an attending staff of professional horticulturists. Although a few of these places are still around today, most people now grow orchids on windowsills and under florescent lights. I've grown most of my orchids that way and have been pleased to produce plants and flowers that look as good as those grown in a greenhouse. So, don't despair: If you have a sunny window or a place to set up some lights, you, too, can grow these beauties.

Are Orchids Expensive?

They don't need to be. Sure, if you're bound and determined, you can spend thousands of dollars on mature, awarded plants. But today you can buy blooming-size, fine-quality, healthy beginner orchids ranging in price from \$20 to \$30. This is less than the price of a flower arrangement from the florist, and an orchid's flowers will usually last much longer. After the orchid is finished flowering, you still have a plant ready to bloom with even more flowers every year. They're really quite the floral bargain.

How Long and How Often Will Orchids Bloom?

This varies, depending on the type of orchid. A few orchids only bloom a couple of days, but most will have flowers that last

from ORCHIDS FOR DUMMIES
by STEVE FROWINE

anywhere from a few weeks to a couple of months. Some with the longest lasting flowers are the slipper and moth orchids. Many orchids bloom once a year, while others can bloom two or three times a year.

What Makes an Orchid an Orchid?

When many people see orchids, they can't imagine what so many diverse plants have in common that makes them all orchids. They look so different! You have to closely examine the flower for the answers. If you study the inner part of the flower, you'll see a club-like structure that houses the male and female flower parts (*stamens* and *pisils*) called the *column*. All orchids have this unique structure. Most also have a large and conspicuous center petal called a *lip*.

For more information about how orchid plants and their flowers are distinctive, see Chapter 1.

Are Orchids Fragrant?

Not all orchids are fragrant, but many are. A wonderful aspect of orchid fragrance is their range of scents. Some smell like other flowers (carnations, jasmine, gardenia, rose), while others have the scents of spices and foods (vanilla, citrus, cloves, chocolate, coconut, licorice, honey, cinnamon, grapes).

Some orchids even reek! These are orchids that are pollinated by flies and other insects attracted to *carriion* (rotted meat). Fortunately, very few orchids fall in this category and they're easy to pick out when selecting orchids from a grower's greenhouse.

See the Cheat Sheet in the front of the book for a list of some wonderfully fragrant orchids. And watch for the Fragrance icon throughout this book to find orchids that have distinctive scents.

Where Can I See the Best Collections of Orchids?

Many public gardens display a sampling of these plants because they put on such a show. For outstanding exhibits of orchids, check out the following:

↪ **Longwood Gardens**, Route 1, P.O. Box 501, Kennett Square, PA 19348-0501; phone: 610-388-1000; Web: www.longwoodgardens.org.

↪ **Missouri Botanical Garden**, 4344 Shaw Blvd., St. Louis, MO 63110; phone: 800-642-8842 (toll-free) or 314-577-9400; Web: www.mobot.org.

↪ **New York Botanical Garden**, Bronx River Parkway and Fordham Road, Bronx, NY 10458-5126; phone: 718-817-8700; Web: www.nybg.org.

↪ **The American Orchid Society Visitor's Center and Botanical Garden**, 16700 AOS Lane, Delray Beach, FL 33446; phone: 561-404-2045; Web: <http://orchidweb.org>.

↪ **Atlanta Botanical Garden**, 1345 Piedmont Ave. NE, Atlanta, GA 30309; phone: 404-876-5859; Web site: www.atlantabotanicalgarden.org.

↪ **Los Angeles County Arboretum & Botanic Garden**, 301 N. Baldwin Ave., Arcadia, CA 91007; phone: 626-821-3222; Web: www.arboretum.org.

↪ **San Diego Zoo**, 2920 Zoo Drive, San Diego, CA 92101; phone: 619-234-3153; Web: www.sandiegozoo.org.

To search out others in your area, see the list of orchid public-display gardens on the American Orchid Society's Web site (<http://orchidweb.org/gardens.html>).

Many commercial growers also have fine displays of orchids at their greenhouses. Regional orchid shows are held yearly in almost every major city in the United States; they're great places to see orchids.

Are Any Orchids Hardy?

Most orchids (and all the ones described in this book) are from tropical or semitropical areas and are intended to be grown as indoor houseplants in most of the United States. In warmer states, like parts of California, Texas, and Florida, some of these orchids can be grown outdoors with winter protection.

There are, however, other native orchids that can only grow well in very northern climates. The various lady's slipper orchids are the ones most admired in this group. In fact, one of these, the Spotted Lady's Slipper, is only found in the Yukon and Alaska!

Orchids: Proud Symbols of Many Lands

The haunting beauty of the orchid has made it a favorite choice as a national and state flower throughout the world. Come with us as we explore the fascinating world of orchids as proud symbols of nations, states, and provinces.

In the United States, the rose is the national flower, but the first state flower was an orchid. No, it wasn't in Hawaii—it was in cold Minnesota! To celebrate the 1893 World's Fair in Chicago, states were invited to adopt floral emblems to represent them at the Fair. Minnesota was the first to step up, adopting a lady's slipper (*Cypripedium calceolus*) on February 5, 1893. The only problem was that the orchid they picked didn't grow in Minnesota! Ten years later, they adopted a native lady's slipper, *Cypripedium reginae* that really did grow there. *Reginae* means "queen" and this flower really is the queen of the lady slippers. Well-established plants can produce clumps with numerous flowering stems from one to three feet high with one to four flowers. The big, beautiful flowers have white sepals and petals and a gorgeous pink lip. It is found widely throughout northern and eastern North America and across the Great Lakes in shady bog margins.

In 1991, New Hampshire, the Granite State, chose the Pink Lady's Slipper, *Cypripedium acaule*, as its state wildflower. The plant is native to New Hampshire and grows in the moist, wooded areas of the state. Also known as the "mocassin flower", the orchid has a single pleated vermilion flower with a small opening in the front of the pouch. Bees muscle their way into the opening and become trapped within, unable to muscle their way out. They effect pollination as they climb their way out. Found only in the eastern United States and Canada, these cool-growing terrestrial plants are also the provincial flowers of Prince Edward Island in Canada.

Luxuriantly blessed by countless orchids, Central and South Americans have most often chosen orchids as their national flowers. *Peristeria elata*, the Holy Ghost Orchid, is the protected national flower of Panama. The name for this genus was taken from the Greek word "*peristerion*" meaning "little dove." The flower is a magnificent white, very thick, waxy cup, inside of which is a perfect dove with reddish spots on its wings. The flowers are strongly fragrant and long lasting, continuing to open over two to three months. It is found from Costa Rica down to Columbia and Ecuador. The plant is a terrestrial with long pleated leaves that grow from the top of large, round pseudobulbs. This is a large, unbelievably stunning orchid.

Costa Rica adopted the purple orchid, or guaria morada (*Cattleya skinneri*) in 1939. It grows on trees, roofs and buildings and has been in Costa Rican homes for centuries. The locals tie it to trees, attach them to tile roofs, or form dense masses of flowers along the tops of adobe walls. Whole trunks of sabal palms are covered with the plants, put there to celebrate religious holidays. The lovely small-flowered cattleya produces an abundance of rose-lavender flowers just in time for Easter. The "campesinos" cherish the flowers, and it is associated with the beauty of Costa Rican ladies. According to the website of Costa Rica, "The "Guaria Morada" brings fortune and good luck. It brings union and family understanding and channels the best cosmic experiences.

It evokes peace and love as well as hope for the future. Its flower does not have a special fragrance because it is filled with dreams to be accomplished." No wonder they chose it!

Guatemala picked the pure white nun orchid, monja blanca (*Lycaste skinneri alba*), the queen of the lycastes. Its natural distribution is from southern Mexico through Guatemala and El Salvador into Honduras, but the largest concentration is in Guatemala and it appears on the 50-centavo piece. It usually grows in the forks of trees at around 5000 feet in a cloud cover. Destruction of the native habitat and over-collecting has left *Lycaste skinneri alba* an endangered species.

In Venezuela, *Cattleya mossiae* replaced another orchid, *Catasetum pileatum*, as the national flower in 1948. The darling of Venezuela received quite an honor in having been chosen since Venezuela boasts eight magnificent and impressive unifoliate (one-leaved) cattleyas—including *C. lueddemanniana*, *C. percivaliana*, *C. gaskelliana*, and *C. jenmanii*. Springtime is *Cattleya mossiae* time, and it is in bloom for Easter and Mother's Day. The second cattleya to be discovered, it caused a sensation when it was introduced to the horticultural world in Europe in 1836. It has large, showy flowers with four or five flowers per spike and multiple new growths. A single plant can produce 20 flowers—or more!! The easiest cattleya to grow, it is often recommended as a beginner's orchid. William Hooker, in his original description of the species, called it "the most magnificent of all the orchideous plants."

The winter-blooming *Cattleya trianaei*, the national flower of Columbia, was named in honor of a native Columbian. In 1851, a Colombian botanist, Jose M. Triana, found large numbers of *C. trianaei* in the Eastern Cordillero and sent them back to the Belgian, Jules Linden. By 1855, Linden was offering them for sale in his orchid catalogue for 150 francs per plant under the name "Cattleya Trianae". Linden said the species was dedicated "to that erudite and modest author of Flora Columbiana, Jose M. Triana." *C. trianaei* has the best form of all the cattleyas and is found in many lovely pastel shades. It lasts in flower longer than any other cattleya, often more than five weeks. It is found abundantly in many parts of Columbia, and every Columbian has his own collection of trianaei varieties. Medellin, Columbia is famous first for *C. trianaei* and only second as the home of the cocaine cartel!

Brazilians love their national flower, *Laelia purpurata*, and collectors in southern Brazil hold highly competitive orchid shows that feature only *L. purpurata* in myriad colors. There are in excess of one hundred named varieties that include concolor, lavender, semi-alba, white, vinicolor, delicata, flared and blue color forms with different patterns and striping within the lip. It is a large orchid growing up to two feet and grows on tall trees in coastal areas. It is so beloved in Santa Catarina that it was named the state flower as well. Flowers are typically 4-5 inches across but can be larger! Recent DNA tests show that this laelia is really a cattleya genetically with the peculiarity of having eight pollinia instead of the usual cattleya four! They will never stop trying to confuse us.

Singapore selected a hybrid orchid between the Burmese *Vanda teres* and the Malayan *Vanda hookeriana* known as Vanda Miss Joaquim as their national flower. It is also known as the Singapore orchid, the Wah Kim orchid, and the Princess Aloha Orchid. It has become one of the most popular and prolific orchids in Singapore, the Philippines, and Hawaii. In Singapore, many



people have at least one bed of Vanda Miss Joaquim. In 1947, Vanda Miss Joaquim was chosen as the emblem for the Progressive Party and as the crest for the Malayan Orchid Society in 1957. In 1981, from a field of forty contenders, this vanda was selected as the national flower. There were two finalists, the vanda and *Arachnis Maggie Oei*, both named after prominent Singapore ladies. One, Agnes Joaquim, was a gentle, pious lady who made the hybrid named for her in 1893. The other more colorful lady, *Maggie Oei*, was a dancer in a dance hall and a bar hostess who had a close friendship with a politically active lawyer whose hobby it was to grow orchids. *Maggie's* orchid was placed on the one-cent coin in Singapore, but Agnes won the big prize as the national flower.

In Indonesia, with over 4000 species of orchids, three flowers were chosen as the national flower on June 5, 1990 in a ceremony to mark the World Environment Day. One of them is the orchid *Phalaenopsis amabilis*, also called the moon orchid, the Enchanting Flower, and anggrek bulan. *Phalaenopsis* comes from *phalaenos*, meaning "moth" and *opsis* meaning "appearance", a name suggested by the Dutch botanist Blume after he found the first specimen in 1852 in East Java. He thought it looked like a moth. A lover of shade, it is found throughout Indonesia, Malay, and the Philippines. You do not need to go to the jungle to find it since it is everywhere. Indonesians think it represents the purity of their hearts. The largest-flowered species of this genus, *P. amabilis* is the parent of most modern *phalaenopsis* hybrids.

There are many other orchids that serve as national flowers, too. For example the wild banana orchid, *Schomburgkia thomsonia*, represents the Cayman Islands, while the native tropical bird orchid, *Angraecum sesquipedale*, represents the Seychelles. The black orchid or shell orchid, *Encyclia cochleata* represents Belize, *Brassavola digbiana* represents Honduras, and *Lycaste virginalis* represents Ecuador. The stunning majesty of the orchid makes it a desirable symbol for peoples across the world.



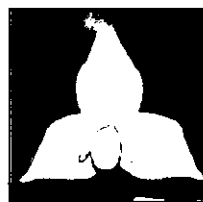
Cypripedium reginae



Peristeria elata



Cattleya skinneri



Lycaste skinneri alba



Cattleya mossiae



Cypripedium acaule



Cattleya trianaei



Laelia purpurata



Vanda Miss Joaquim



Phal amabilis



Last name	First Name	Address1	ZIP	State or Prov	Phone	E-mail address
1	Date 2/22/07			Date 2/22/2007		
2	Aidegwer (06)	Teresa	89118	Las Vegas, NV		
3	Anderson (07)	Owen	89014	Henderson, NV	433-9376	oanderson3@cox.net
4	Anton (07)	Pearl	89012	Henderson, NV	270-8154	pearlanton@yahoo.com
5	Aqui (06)	Johanna	89031	NLV, NV	631-1163	johanna.aqui@gmail.com
6	Arcos and J Schri	Poly	89101	Las Vegas, NV		info@arcosdesign.com
7	Bell (07)	Gloria	89107	Las Vegas, NV		globell@cox.net
8	Bengochea (07)	Dorothy	89117	Las Vegas, NV	366-6005	Baaadds@AOL.com
9	Billitere (06)----	Tony	89107	Las Vegas, NV	870-9639	billitere@nans.net
10	Biondi (07)----	Becky	89108	Las Vegas, NV	645-1268	bborniv@cox.net
11	Bond (07)----	Phyllis and Tony	89139	Las Vegas, NV	873-7237	makeup@Phyllis Bond.com
12	Bragg (07)	Nita	89130	Las Vegas, NV	655-8398	
13	Braverman (06)	Jackie	89149	Las Vegas, NV	658-9295	jbrave@aol.com
14	*Carlos	Vi	89128	Las Vegas, NV	838-9269	
15	*Cavanaugh	Danial		Mt. Charleston NV		
16	Chen (07)	Philip	89113	Las Vegas, NV	626-400-9267	
17	Clarke (07)	Greg & Lonna	89084	Las Vegas, NV	645-8450	alohadivers@yahoo.com
18	Contomitos (06)	Anna	89146	Las Vegas, NV	327-9290	Annatudenv@yahoo.com
19	Cox (06)	Lea	89115-5313	Las Vegas, NV	452-4813	
20	Craven & Ruth S	Katie	89117	Las Vegas, NV	256-2121	
21	Cravenn (07)	June	89121	Las Vegas, NV	898-8731	LVB@earthlink.net
22	Dalton (07)	Greg	89031	NLV, NV	395-7569	licualagrandis@yahoo.com
23	Davidson (07)	Joel and Linda	89052	Henderson, NV	736-1200	memappa@aol.com
24	Davis (07)	Debbie	89134	Las Vegas, NV	804-5950	chrisandebbie@mac.com
25	Davis (06)	Marlin & Floyd	89117	Las Vegas, NV	363-8224	marlin02@WANS.net
26	Dean (07)----	Clarice and Dennis	89118	Las Vegas, NV	876-2729	CCDEAN@aol.com
27	De La Cruz (07)	Christine	89052	Henderson, NV	896-4442	cxdelacr@ag.state.nv.us
28	DeRocco (07)	Al & David	89108	Las Vegas, NV	636-6732	
29	Dochtermann (06)	Margaret	89074	Henderson, NV	456-5916	
30	Doyle (07)----	Leslie	89108	Las Vegas, NV	658-7585	tomatomato@cox.net
31	Drake (07)	Claudia & Ken	89108	Las Vegas, NV	656-3251	claudiaT2@cox.net
32	Escobar (07)	Angel & Dora	89108	Las Vegas, NV	480-4297	angelrealtor@cox.net
33	Easterwood (07)	B. Diane	89129	Las Vegas, NV	451-4512	catpiper@aol.com
34	Edwards (07)	Fred	89149	Las Vegas, NV	575-5521	Fred_Edwards@fws.gov
35	*Ege	Roger	89117	Las Vegas, NV		
36	Fathie (07)	Birgitte & Faz	89113	Las Vegas, NV	871-7919	
37	Fields (07)	Karen & Bill	89139	Las Vegas, NV	255-2016	KRFIELDS@ag.state.nv.us
38	*Gardner	Mavis	89104	Las Vegas, NV		
39	Garrett (07)	Paula	89052	Henderson, NV	617-2800	bgpj@aol.com
40	Gazza (07)	Nicole & William	89123	Las Vegas, NV	361-5401	streman@cox.net
41	Glassman (07)	Myra Lee	89147	Las Vegas, NV	256-1788	
42	Gordon (06)	Jean	89107	Las Vegas, NV	870-3546	
43	Gordon MD (06)	Stephen	89147	Las Vegas, NV	353-7687	swgordonmd@aol.com
44	Green (07)	Jane (Catherine)	89128	Las Vegas, NV	255-3648	HAWK1000S@cox.net
45	Gutwein (06)	Caroline & Paul	89145	Las Vegas, NV	304-2412	
46	*Hara	Ken & Norma	89156	Las Vegas, NV	453-3505	telcomguy24@yahoo.com
47	Harris (07)	Gail	89108	Las Vegas, NV	646-4377	cgh.realnevada@yahoo.com
48	Hasegawa (07)	Norito	92866	Orange, Ca	714-639-1387	norito1@hotmail.com
49	Hawley (07)	Marsha and Dan	89129-2628	Las Vegas	656-3224	hawleymarsha@aol.com

	Last Name	First Name	Address 1	ZIP	State or Prov	Phone	E-mail address
50	Hewitt	Elizabeth	10708 Valencia Hills	89141	Las Vegas	365-6893	dogblueye@earthlink.net
51	Hoffman (07) & Miles	Gloria	3112 Gaucha Dr	89109	Las Vegas, NV	438-1687	johnhenryandgloria@cox.net
52	Hoffmann (07)	Pat	6889 Beverly Glen	89110	Las Vegas, NV	228-3423	Pat-Holland@jnteract.ccsd.net
53	Holland (07)	Pat	7812 Leavorite Drive	89128	Las Vegas, NV	365-9285	RNHUI@aol.com
54	Hui (06)	Roland	4330 Summers Shade St.	89147	Las Vegas, NV		rtwin@cox.net
55	Janke (06)	Ron	418 Viewmont Dr	89015	Henderson, NV		
56	*Jaszewski Direc	Tom	The Mirage Box 7777	89177-0077	Las Vegas, NV		
57	Johnson (07)	Dr. Paul	21074 480th Ave	57276	White, SD		
58	Jones (07) & Phil	Carolyn	2824 Billy Casper Dr	89134	Las Vegas, NV	233-1195	
59	*Jones	Susan	4824 Americanwood St	89130	Las Vegas, NV	895-1421	sjones@unlv.nevada.edu
60	Keller (07)	John	2304 Mariposa Ave	89104	Las Vegas, NV	457-0933	ksinepj@aol.com
61	Kirschbaum (07 & Edith	Edith	5309 Oakbank Court	89103	Las Vegas, NV		gullee@cox.net
62	Knight (07)	Melissa	8104 Tower Bridge	89117	Las Vegas, NV	240-7792	
63	Koopowitz	Prof. Harold	14081 Brean Way	92705	North Tustin, CA		
64	Korpi (07)	Kris	9236 Red Twig Dr	89134-6037	Las Vegas, NV		K2Agent@zww.blackberry.net
65	LaFollette(07)	Wanda & Bruce	10804 Baylark Ave	89134	Las Vegas, NV	255-6213	bruciarf@earthlink.net
66	Le Garretta (06)	Ray	5717 Pebble Rock Rd	89149	Las Vegas, NV		landauf@unlv.nevada.edu
67	*Landau	Fred	1200 Cashman Drive	89012	Las Vegas, NV	877-9597	
68	Learm (07)	June & Martin (07)	2171 Grand Traverse St	89052	Henderson, NV	614-7219	Martin.Learm@gmail.com
69	Leary- Dept. Bioldr.	Patrick	Comm College S2B 3200 E. Chyenn	89030	NLV, NV		pleary@nevadaedu
70	LeBlanc(07)	James	4250 S. Arville St Apt88	89103	Las Vegas, NV		leblanc805@earthlink.net
71	Lee (07)	Jeri	4500 Lilliput Lane	89102	Las Vegas, NV	362-6885	jeri_lee1999@yahoo.com
72	Lepler (07)	Mary	5815 Dunneville Ct.	89103	Las Vegas, NV	227-3393	
73	Leone (06)	Liz and John	4001 Tyler William Lane	89130	Las Vegas, NV	656-9615	lizeone@nevada-lasvegas.com
74	Levin (07)	Michael	2808 Gilmary	89102	Las Vegas, NV	259-1297	mlewin@aol.com
75	Loffield (07)	Cathy & James	1532 Beech Grove Dr	89119	Las Vegas, NV	263-2400	loffield@cox.net
76	*Maes	Marianne	3055 Red Springs Dr	89135	Las Vegas, NV		mmaes5@aol.com
77	McBurney (06)	Melissa	Box 371102	89137	Las Vegas, NV	240-9879	mmlabyrinth@earthlink.net
78	McCormick (07)	Edward	7421 Tahoe Basin Dr	89129	Las Vegas, NV	658-4455	ekmcc@earthlink.net
79	McKylon (07)----	Eileen and Alex	9033 Big Plantation Ave	89143	Las Vegas, NV	251-1456	McKylona@alumni.engr.pitt.edu
80	Mendicino (07)	Carol & Ron	1731 Warrington Drive	89052	Henderson, NV	243-8385	proudeagle@cox.net
81	Miles (07)	Greg	8201 Antler Pines Ct.	89149	Las Vegas, NV	395-2525	
82	*Mills	Linn	967 Outrigger Ct.	89123	Las Vegas, NV	880-5755	linn.mills@vspringspreserve.org
83	Mumau (07)	Michael Lawless & Dan	9647 Rainfall Ave	89147	Las Vegas, NV	362-5251	pinchedan@aol.com
84	Ninemire (07)	Steven	594 Sierra Vista Dr Apt C15	89109-3703	Las Vegas, NV	384-6860	ninemire55@earthlink.net
85	North (07)----	Shelly	6175 W. Oquendo Rd.	89118	Las Vegas, NV	889-6190	shelly@splashcreative.com
86	Nogaim (07)----	Scotty and John	8408 Dry Cliff Circle	89128	Las Vegas, NV	363-3991	snogaim@aol.com
87	Oldham (06)	Joanne	9621 Gold Bank Drive	89134	Las Vegas, NV		
88	Olson (07)	Aiane	2903 Mawerick St	89108	Las Vegas, NV	645-6846	ianepath@cox.net
89	Raba (07)	Joe	3612 Blackstone	89121	Las Vegas, NV	371-1769	jabarat@aol.com
90	Patterson (07)	Lillian D.	7404 Wheat Grass Court	89129	Las Vegas, NV	839-9200	Lilypad39@cox.net
91	Pearms *	Lee	4320 Fortune Ave	89107-2010	Las Vegas, NV		
92	Perry-Brown (07)	Dianne & Ed	5300 E. Desert Inn Rd #273	89122	Las Vegas, NV	641-7989	
93	Pierce (07)	Peggy	3011 Copper Cove Dr	89074	Henderson, NV		pierce2pr@yahoo.com
94	Pollock (06)	Sally	5700 N Palora St	89060	Pahrump, NV	775-751-8675	
95	Proehl (07)	Sharon & Uwe	1110 E. Warm Springs Rd	89015	Henderson, NV	566-4950	uweproehl@aol.com
96	Proper (07)	Carolyn & Bob	2420 Ocean Front Drive	89128	Las Vegas, NV	256-8889	Robert.Proper@gte.net
97	Salles (07)	Jeanne	6440 Hummingbird Lane	89103	Las Vegas, NV	876-4620	
98	Samsel (07)	Charly	6221 Bliss St	89081	NLV, NV		

	Last name	First Name	Address1	ZIP	State or Prov	Phone	E-mail address
99	Sanders (07)	Jesse	494 Fiddlehead Ave	89123	Las Vegas, NV	263-0235	jesse71138@yahoo.com
100	Schave (07)	Aaron	2686 East Eldorado Lane	89120	Las Vegas, NV	260-8865	aschave98@hotmail.com
101	Schechter (07)	Fred & Roberta	6855 Stone Drive	89110	Las Vegas, NV	438-1159	rschecht@yahoo.com
102	*Schun	Rose	Ainslie A 4005, Century Village W.	33343	Boca Raton, FL		
103	Severance (07)---	Tex and Gidget	1809 Corta Bella Dr.	89134	Las Vegas, NV	240-6975	RASeverance@earthlink.net
104	Shaffer (07)	Mary	1701 N Jones Blvd #1048	89108	Las Vegas, NV	638-0911	tina7431@yahoo.com
105	Shipp(07)	Leslie & Michael	442 Woodridge Dr.	89015	Henderson, NV	651-3035	parkbench27@yahoo.com
106	Short (07)	Marilyn	3580 Yorba Linda Dr	89122	Las Vegas, NV	207-5031	marilynshort@cox.net
107	Siegel (07)----	Carol	8601 Robinson Ridge Dr.	89117	Las Vegas, Nv	254-4168	growlove@cox.net
108	Smith (07)----	Diana	HCR38 Box 146	89166	Las Vegas, Nv	655-6717	n2orchids@hotmail.com
109	Snauwaert (07)	Kenneth	9773 Resting Pine Ct	89117	Las Vegas, NV		
110	Spencer (06)	Carol	7915 Laurena	89147	Las Vegas, NV	579-7620	brownspercer@earthlink.net
111	Stastny (07)	Bob	6130 Madre Mesa Dr	89108	Las Vegas, NV	323-687-5196	marbo1@earthlink.net
112	Stevens (07)	Eldine	7217 Alta Drive	89145	Las Vegas, Nv	363-6777	estev@intermind.net
113	*Stockstill	Everett	1386 Oakhorne Drive	90710	Harbor City, Ca	310-325-0625	pupulehapa@earthlink.net
114	Sullivan (07)	Alana & Walter	204 Stonewood Ct	89107	Las Vegas, NV	258-0662	anala51@yahoo.com
115	Swan (07)	Sandra	2497 Swan Ridge Ave	89074	Henderson, NV	914-8181	
116	Thomas(06)	Brian	2909 Sarina Ave	89074	Henderson, NV	896-0329	bthomas222@cox.net
117	To (06)	Karen & Ping Yiu	9804 Moonridge Ct.	89134	Las Vegas, NV	278-9299	KarenTo@cox.net
118	Tone (06)	Sharon	401 Merlayne #2c	89015	Henderson, NV	558-3952	
119	Torres (07)	Kelley & Robert	8236 Cimarron Ridge Dr.	89128	Las Vegas, NV	243-6346	degroff123@yahoo.com
120	Tuthill (07)	John & Judie	1112 Bear Club Ct	89052	Henderson, Nv	616-8614	fourcats2@cox.net
121	Watson (07)	Esther	5217 Pacific Opal	89131	Las Vegas, NV	655-0747	
122	Vong (05)----	Daniel	48486 Bobcat Lane	92365	Newberry Springs	760-475-0355	Kingsparadise03@aol.com
123	*Weaver	Donui	7670 N Jones Blvd	89131	Las Vegas, NV		
124	Weber (07)	Bruce and Katherine	2520 Palmridge Dr	89134	Nas Vegas, NV	562-1667	brucefromne@webtv.net
125	Wells (06)	Doug & Helen	186 S. Orleans St	89015	Henderson, NV		
126	Whaley(06)	William R.	9208 Sunnyfield Dr	89134	Las Vegas, NV	255-9244	whaley@cox.net
127	Wisey (07)	Terry	3480 Segoglen Circle	89121	Las Vegas, NV	731-2114	aanswertravel@hotmail.com
128	White (07)	Lee	3090 Maple Valley St	89117	Las Vegas, NV	304-0094	nikko2@cox.net
129	Wilsterman(07)	Scott	528 Rancho Del Sol Way	89031	N. Las Vegas, NV	657-0620	swilsterma@aol.com
130	*Wise	Kay	3020 Mason Ave	89102	Las Vegas, NV	878-7232	
131	*Wray	Vera & Dan	5881 Hornbrook CT	89130	Las Vegas, NV	645-2317	straymen@yahoo.com
132	Yuan (06)	Nina	6986 W. Coley Ave	89117	Las Vegas, NV	278-9596	

