



Conservation Through Knowledge

Issue 47 Volume 7

October 2015

# Nutmeg State Orchid Society Inc.

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## The President's Message:



Dear Fellow Orchid Lovers,

Welcome back from summer! Fall is always such an exciting time of the year. The temperatures are getting cooler and it's time to bring in phals and paphs. You can leave out cymbidiums, oncs, odcdms, and miltonias a while longer until the temperatures are in the high 30's. Cyms love it cold and they set buds when it's cold so bring them in last.

As a society we're going to be very busy this fall. We have the Auction Gala Dinner coming up on Saturday, November 7<sup>th</sup> at The Tunxis Country Club on Town Farm Road in Farmington. There will be many plants for auction as well as gift baskets. The festivities start at 6 pm with cocktails and plant viewing and continue with dinner and the auction at 8 pm. The price is \$15 per person which includes wine with dinner. Amazing!!! I hope to see a big turnout this year! We are getting many gorgeous raffle plants from Hawaii so you don't want to miss it!

Our meeting next month is on FRIDAY, OCT. 9<sup>th</sup> rather than our usual Thursday. Our speaker will be Alan Koch who will be speaking on Mini Cattleyas for the Home Grower. He has sent out a list which members can preorder from and he will be bringing plants to sell as well. It should be a very informative and fun night.

The show season will start this year with the Massachusetts Orchid Society show November 6-8<sup>th</sup> at Mahoney's Garden Center, 242 Cambridge St, Winchester, Mass. This is a brand new venue for them and so I am excited to see what it looks like. They used to have their shows at Tower Hill Botanical Gardens. Diane Dean is once again our away show chair and she will be setting up for this show. Please contact her if you have any plants to put in our display. All our favorite vendors will be there. The admission is \$10. This is the same weekend as our Auction Dinner unfortunately, but I may try to go up on Sunday just to take a look. Remember your plants can go even if you don't. Diane will take good care of them. Get growing!!!

Sandy Myhalik, Pres.

## COMMITTEE CHAIRS

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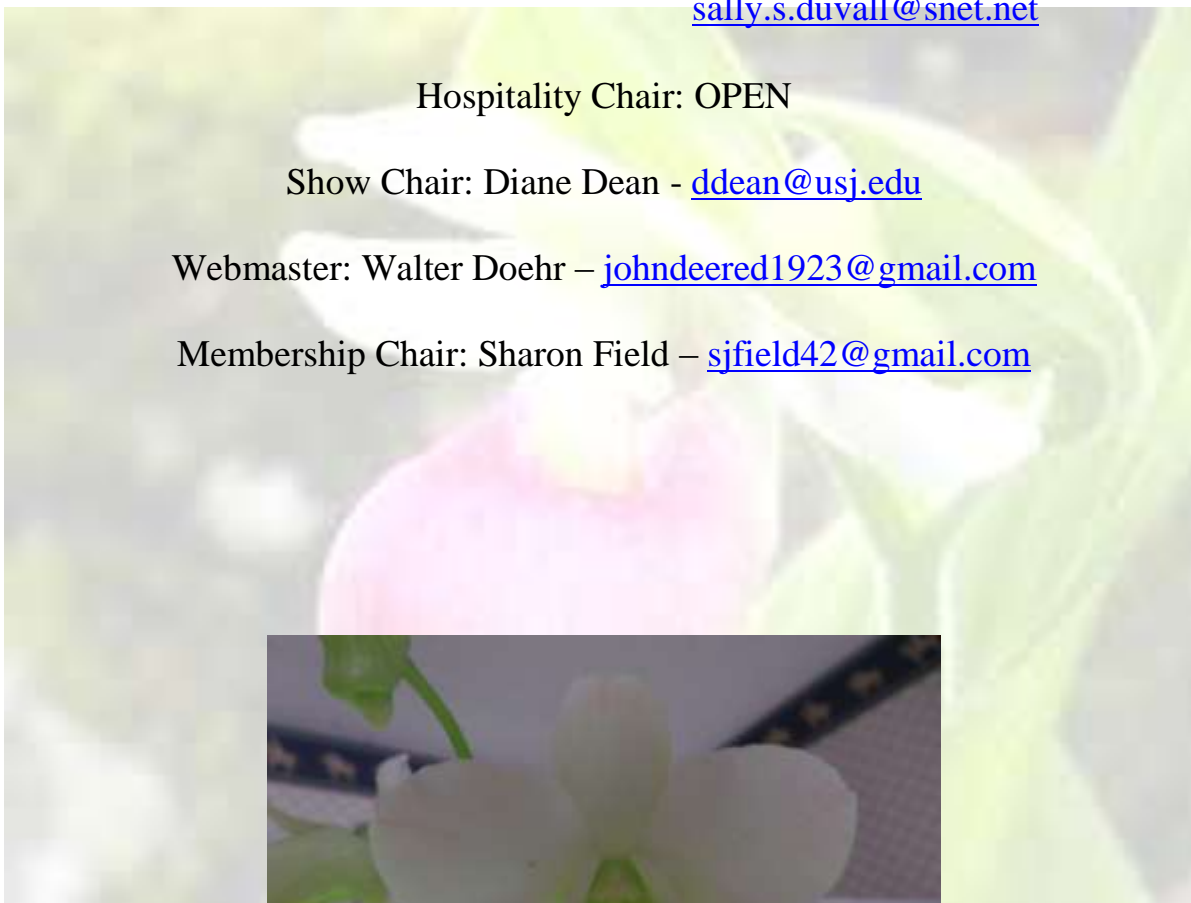
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## NUTMEG STATE ORCHID SOCIETY MENTOR LIST 2013

Ron Burch	Cypripediums Native orchids	860-567-0431	<a href="mailto:ronjonb@aol.com">ronjonb@aol.com</a>	Call/e-mail anytime
Walter Doehr	Cymbidiums, Phals., Growing under lights Hydroponics	203-634-7712	<a href="mailto:johndeered1923@gmail.com">johndeered1923@gmail.com</a>	Call/e-mail anytime
Joe Hertz	Under lights and Windowsill growing All species	860-233-5505	<a href="mailto:jhertz1015@aol.com">jhertz1015@aol.com</a>	Call/e-mail anytime
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Sandy Myhalik	Phalaenopsis	860-677-0504	<a href="mailto:myhalik@comcast.net">myhalik@comcast.net</a>	
Jay Presbie	Growing under lights All species	860-651-3155	<a href="mailto:jpresbie@gmailmail.com">jpresbie@gmailmail.com</a>	Call/e-mail anytime
John Sziklas	Paphiopedilums Phragmepediums Cattleyas	860-658-2908		Call anytime

NSOS now has a mentor list and would like to add more folks going forward. We are looking for people that are willing to answer questions on something that you are familiar with pertaining to orchids. You do not have to be an expert, just able to help someone who has a question in your area of knowledge. We all have areas that we feel comfortable in that would be of great assistance to someone just starting out. If you wish to be added to our NSOS Mentor List, please send me a note: [johndeered1923@gmail.com](mailto:johndeered1923@gmail.com)

## **BUSINESS MEETING**

The meeting was called to order at 7 pm by President, Sandra Myhalik. The following announcements were made and elaborated on:

- There was a reminder for the “Focus on Phals” workshop in New Bedford, New Hampshire on Saturday, September 12 from 8 am until 3 pm. Norman Fang is presenting on the use of moss and Carrie Raven-Riemann is presenting on new information on Phal breeding.
- Our NSOS Gala Orchid Auction and Dinner will be on Saturday, November 7 at the Tunxis Country Club. The price will be \$30 for couples and \$15 for singles. The actual price for the food is \$35 per person however NSOS will absorb the difference. Over 100 plants will be ordered for the auction. We are still in need of a chair for the basket raffle which is very important for the Gala due to the baskets high profitability. It was suggested the members could donate baskets to the raffle. A sign-up sheet was set out for members to volunteer a basket and indicate a possible theme for that basket. For Example: a Christmas basket could be made up from decorations that are no longer used that are in excellent shape. Four people volunteered to donate a basket. Contact Sandy if you would like to donate a basket. Last year the profits from the Gala provided free transportation to the NYC Orchid Society for all members. The Gala will replace the regular November meeting.
- Next meeting is on Friday, October 9. The date of the meeting was changed to accommodate our speaker, Alan Koch who will speak on mini cattleyas. Alan will be bringing plants to the meeting and plants can be preordered. More information regarding preordering to follow.
- Our annual Christmas Party will be on Thursday, December 10 at Camp Happy Hill in Farmington (our former meeting location). The reason for the change in location is due to new rules under the new management of the Senior Center in Farmington. The new rules make the use of the Senior Center for a party that is BYOB impossible.
- Suggestions for future speakers and topics are requested.

The vote for a change to the by-laws was postponed to next meeting due to the lack of a quorum.

The proposed change is to Article V: Officers; Section B. Term of Office 2.

Current reading:

*The term of office of the President, Vice President, Secretary, and Treasurer shall be two years. The President and Vice President shall serve only one (1) term in their office, except following a partial term. The Treasurer and Secretary shall serve no more than two (2) consecutive terms in their office, except following a partial term. Following a one (1) year period after their last term in office, an individual may be re-elected to the same office.*

Proposed change:

*The term of office of the President, Vice President, Secretary and Treasurer shall be two (2) years. The President, Vice President, Secretary, and Treasurer shall serve no more than two (2) consecutive terms in their office, except following a partial term. Following a (1) term period after their last term in office, an individual may be re-elected to the same office.*

Discussion on the proposed change centered on the need to maximize the use of our talent and unify the terms of office.

Under the current by laws elections will be held this December. Ginna Plude is our election chair. If anyone is interested in running for office they should contact Ginna no later than next month.

### **Report of the Librarian:**

Richard Duvall reported that 132 periodicals and books were taken out last year from the Robert Hirnyk Memorial Library

Some of the top repeats were: Growing Orchids; Orchid Pests and Diseases; Dendrobiums

The meeting was then turned over to Lydia Pan who presented a power point presentation on repotting. Her presentation highlighted the principles of repotting, determining when a plant needs repotting, materials, and method. Over a dozen plants were repotted.

## **TREASURER'S REPORT**

**NSOS financial data is available to members upon request. Send your inquiries to our Treasurer, Tom Mierzejewski: [tommajseski@comcast.net](mailto:tommajseski@comcast.net).**

## **Advertising in our NSOS Newsletter**

**Advertising is now open to members and businesses. The following rates apply: \$10/month business card size ad. ¼ page \$25, ½ page \$50. Members would get \$5 & \$10 off these rates respectively. A four line word ad for members would be \$2. Contact Walter Doehr if interested and send your check to Troy Jordan, our Treasurer.**

## **Refreshments :**

It is requested that for the October meeting, those members with last names beginning with N thru Z bring in a snack or finger food to share with members. Thanks in advance for your contributions!

## **UPCOMING EVENTS & MEETINGS 2015**

**October 3, 2015 - Northeast Judging Center -Bartlett Arboretum and Gardens, Silver Educational Center, 151 Brookdale Road, Stamford, CT at 12:00PM on the third Saturday of the month. Send cut flowers to: John Sullivan, 299 Village Place, Wyckoff, NJ 07481.**

**October 9, 2015 – Meeting Topic "Mini Cattleyas" with Alan Koch - Farmington Senior Center, 321 New Britain Ave., Unionville**

**October 17, 2015 - Northeast Judging Center -Tower Hill Botanic Gardens of Worcester, 11 French Dr., Classroom C, Boylston, MA at 12:00 Noon on the first Saturday of the month. Send cut flowers to: Robert Winkley, 80 Florida ST., Unit 9, Dorchester, MA 02124.**

**November - 6-8, 2015 - Mass. Orchid Society Show and Sale, Mahoney Garden Center, 242 Cambridge St., Winchester, Ma.**

**November 7, 2015 –Auction - Tunxis Plantation, Farmington**

**November 7, 2015 - Northeast Judging Center -Bartlett Arboretum and Gardens, Silver Educational Center, 151 Brookdale Road, Stamford, CT at 12:00PM on the third Saturday of the month. Send cut flowers to: John Sullivan, 299 Village Place, Wyckoff, NJ 07481.**

**November 21, 2015 - Northeast Judging Center -Tower Hill Botanic Gardens of Worcester, 11 French Dr., Classroom C, Boylston, MA at 12:00 Noon on the first Saturday of the month. Send cut flowers to: Robert Winkley, 80 Florida ST., Unit 9, Dorchester, MA 02124.**

**December 5, 2015 - Northeast Judging Center -Bartlett Arboretum and Gardens, Silver Educational Center, 151 Brookdale Road, Stamford, CT at 12:00PM on the third Saturday of the month. Send cut flowers to: John Sullivan, 299 Village Place, Wyckoff, NJ 07481.**

**December 10, 2015 – Meeting, Elections and Holiday Party, - Lions Club Camp Happy Hill, Unionville**

**December 19, 2015 - Northeast Judging Center -Tower Hill Botanic Gardens of Worcester, 11 French Dr., Classroom C, Boylston, MA at 12:00 Noon on the first Saturday of the month. Send cut flowers to: Robert Winkley, 80 Florida ST., Unit 9, Dorchester, MA 02124.**

## **2016 Schedule of Meetings & Events**

**January 7, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**January 15 - 18, 2016 - North Jersey orchid Society Show and Sale, Douglas Student Center, Rutgers, 100 George St., New Brunswick, NJ**

**February 11, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**February 12 - 14, 2016 - Deep Cut Orchid Society Orchid Show & Sale - New Jersey**

**February 12 - 14, 2016 - New Hampshire Orchid Society Show & Sale**

**February 19 - 21, 2016 - Amherst Orchid Society Show & Sale, Smith Vocational & Agricultural High School, 80 Locust St, Northampton, MA**

**March 10, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**March 18, 2016 - Setup for NSOS "Come See Our Bloomers"**

**March 19, 2016 - 12 noon - 5 pm - "Come See Our Bloomers" - The West Hartford Meeting & Conference Center, 50 South Main Street, West Hartford, CT**

**March 20, 2016 - 10 am - 4 pm "Come See Our Bloomers" - The West Hartford Meeting & Conference Center, 50 South Main Street, West Hartford, CT**

**April 14, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**May 12, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**June 9, 2016 – Meeting Topic -TBA - Farmington Senior Center, 321 New Britain Ave., Unionville**

**Meetings are held at the Farmington Senior Center, 321 New Britain Ave., Unionville, CT @ 7 pm – 9 pm the Second Thursday of each month unless otherwise posted above or on our website**



# Monthly Checklist for September and October



*Cycnoches chlorochilon*, the green swan orchid.

## **Cattleya**

Despite the shortening days and lowering angle of the sun, September can still be one of the hottest months. Water and fertilizer need to be in balance with heat and light. The alert grower will notice, however, that his or her plants are beginning to slow down a bit. Growths are maturing, and the sheaths are giving the promise of the next six-months' bloom.

Check plants for potting needs for the last time this season. Any in dire need should be potted, even some that may be on the cusp, as there is just enough of the growing season left to allow the plants to establish before the days start to get really short and cold.

This is the month for purples derived from *Cattleya labiata* breeding to flower. If you are short on flowers, look into this group. There is nothing that can quite match this type for beauty and fragrance. They are easy to grow, too.

Plants summered outdoors should begin to be prepared to be brought back into the winter growing area. Clean the plants up and be on the lookout for any pests they may have picked up during the summer. Treat as necessary.

## **Cycnoches**

This little-known and under-appreciated genus, which can have male or female flowers, is at its best in the autumn. Two of the spectacular varieties are *Cycnoches loddigesii*, with its large brown flowers resembling a prehistoric bird, and *Cycnoches chlorochilon*, the swan orchid. This last one has large, fragrant green flowers. The biggest problem, culturally, will be red spider mite infestations that require immediate attention. Plants are quite seasonal, requiring heavy watering in the growing season and then a drier dormant winter season.

## Cymbidium

Summer can be the most rewarding season for cymbidiums. Growths should be coming strong now. The leaves of the new growths are best when they are broad and fairly stiff. The color should be a light green to nearly yellow. Early flowering varieties should be showing flower spikes, so move the plants into a cooler area with lower light. For mid-season varieties, lower the dosage of nitrogen to assist in spike initiation.



*Dendrobium* Burana Stripe is a popular and easy phalaenopsis-type hybrid.

## Dendrobium

This is a good season for hybrids of the *Dendrobium phalaenopsis* and *Dendrobium canaliculatum* types. Both are capable of putting on tremendous shows of long-lasting flowers. Fertilize with a low-nitrogen formula to promote the best flowers. *Dendrobium phalaenopsis* can get tall and top heavy, suggesting an attractive and heavy container would be appropriate for this type.

## Rhynchostele biconiensis

Both *Rhynchostele biconiensis* and its hybrids bloom in this season. *Rhynchostele biconiensis*, formerly known as *Lemboglossum*, *Odontoglossum*) is a showy species from Mexico that has three different color forms: sulphureum (green with white lip), album (brown with white lip) and roseum (brown with a pink lip). It is a vigorous grower with tall inflorescences of many flowers, and imparts to its progeny (as seen in Odcdm. Bittersweet and Odm. bicross) ease of culture, warmth tolerance and eye-catching patterns. They make a prime candidate for odontoglossum beginners and advanced alike.

## Paphiopedilum

Standard, green-leaved paphiopedilums begin to show their bloom sheaths this month. Late-season heat waves can blast these early sheaths, so be observant about proper cooling and air circulation. As with the rest of your plants that may have been summered outdoors, it is time to prepare for their move inside. Clean each plant and implement pest-control practices. Repotting, if necessary, is appropriate.

## **Phalaenopsis**

The bulk of this season's growth is being ripened this month, with growers in cooler climates seeing the first emerging inflorescences. Some night heating may be necessary in the cooler areas. Begin to watch watering more carefully, and reduce feeding proportionately with reduced watering needs. An extra dose of phosphorus and potassium, such as a bloom-booster or high-acid-type fertilizer, is beneficial.

## **Rossioglossum grande**

Once known as *Odontoglossum grande*, this is a spectacular orchid with six to eight flowers up to 8 inches across. Often known as the tiger orchid, it has bright golden yellow flowers heavily marked with chestnut brown barring. The plants are beautiful with a grey-green cast to the foliage, which is borne on succulent pseudobulbs. It prefers hot and wet summers with cooler, even down to 40 F, dry winters. Grow under filtered light. Watch for snails and slugs that eat the flowers, pseudobulbs and leaves.



*Rossioglossum grande* shows off its large, dramatic flowers.

***The AOS thanks Ned Nash and James Rose for this essay.***

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# Preparing Orchids for Winter

By Susan Jones

The onset of shorter days and longer, colder nights heralds winter's arrival. Many factors play into keeping your orchids happy and healthy through this time — finding the right combination of variables can be tricky, especially for beginners. The phrase "proper prior planning" is appropriate here; doing so will help your orchids to reach their greatest potential and increase your knowledge and enjoyment of the hobby.

Generally, temperatures between 50° and 80° F (10° to 27° C) are ideal for orchids; but occasional brief periods of temperatures above 100 F (38 C) or drops even into the 30s (0 C) will not harm most orchids as long as no frost forms on the leaves. Cold hardiness, the measure of the orchid's resistance to or ability to adjust to cold stress, should be considered when adding new orchids for your landscape or collection. The degree of cold hardiness is determined by environmental conditions, the overall health of the plant and its genetic makeup. Some species are always killed by colder temperatures, while others can tolerate short periods of temperatures near freezing.



During the winter, flowering orchids brighten well-lit windowsills. On cold nights, it's a good idea to move plants away from the window or use bubble wrap as insulation between the pane and the plants.

## Cold Injury

Symptoms indicating cold damage usually become visible some days after exposure to critically low temperatures, not during the cold exposure. Cold injury includes damage from temperatures above and below freezing. Chill injury is that caused by low temperatures above freezing, and freeze injury is damage from temperatures at or below freezing. Frost damage takes place when dew freezes after it has condensed on leaf surfaces if the air temperature drops below freezing.

The rate at which symptoms develop depends on the severity of the exposure and the conditions in the growing environment after the exposure. Continued cool temperatures and high humidity after exposure to cold may slow the development of symptoms, while high light intensity and warm temperatures may accelerate the appearance of symptoms.

## Chilling

Many chilling-injury symptoms are common to other stresses such as lack of water, root-rot diseases, chemical phytotoxicity, heat stress and light stress, and as such may be difficult to diagnose. General symptoms of chilling injury include surface lesions, pitting, large, sunken areas and discoloration; water-soaking in tissues, usually followed by wilting and browning; internal discoloration (browning); increased susceptibility to attack by fungi and bacteria; slower-than-normal growth (this may be difficult to identify without undamaged plants for comparison or a

knowledge of the orchid's normal growth rate) and accelerated rate of natural death.

### **Freezing**

Symptoms of freeze injury include desiccation or burning of foliage, water-soaked areas that progress to necrotic spots on leaves, and death of sections of the plant or the entire plant. Obvious symptoms may not be present until after the plant has been stressed by very warm temperatures.

### **The Basics**

Preparation for weathering winter's chills begins at the point of purchasing your orchids. Choose carefully for the growing conditions you are able to provide your plants. If you keep your home or greenhouse cool in the winter to save on heating costs, avoid the warmer-growing genera such as phalaenopsis and vanda. Instead, stick to intermediate- (most brassavolas, cattleyas, dendrobiums, epidendrums, laelias or mottled-leaved paphiopedilums) or cooler-growing (cymbidiums, masdevallias, miltonias, odontoglossums, oncidiums, plain-leaved paphiopedilums or sophronitis) orchids, depending on the conditions they will be grown under during the summer months. White or yellow vandas, as well as some dendrobiums (phalaenopsis-and antelope-types), are especially cold sensitive and do not like temperature drops below 60° F (16° C), and can be particularly prone to losing leaves when exposed to cooler temperatures. Seedlings and immature plants, particularly those in flasks or compots, are also much more sensitive to chills than their mature counterparts.

Another consideration for growers in northern climes is the shorter day length winter brings. Many orchids need 14 hours of light every day to flower successfully. Relying on daylight alone during winter months will not provide sufficient light to induce budding. Genera with high light requirements may produce healthy green foliage but without sufficient illumination might never reward their growers with the desired flowers. For indoor and greenhouse growers in the north, supplemental lighting may be necessary for optimal plant health and flowering. Depending on the type of light source chosen, the heat generated by the lamps may help counteract cold temperatures.

When adding to an orchid collection, choosing carefully to match the conditions you are able to provide as a grower will go a long way toward keeping your orchids in optimal health through winter's gloom and chills.

Once they're comfortably situated in your collection, cultural factors to consider in keeping them happy through the winter months include less frequent watering and fertilization. It is worth the extra effort to read up on the seasonal needs of the orchids in your collection. This is especially important for the species, but hybrids will benefit from this research as well. Some enter a period of partial or full dormancy; they will require a rest period at this time of year, and could be adversely affected if they do not receive one. As temperatures drop and daylight is reduced, their growth slows down or even stops, depending on the species or hybrid. The quantities of water and fertilizer they required for spring and summer growth are no longer needed and could negatively affect the plant unless reduced accordingly. Excess water can accelerate the breakdown of organic growing media (such as pine bark and sphagnum moss) and lead to root and plant rots. A surplus of fertilizer can accumulate in the growing media until the fertilizer salts burn the orchid's root and leaf tips, and actually inhibit rather than enhance growth.



Although winter requires preparation by the orchid grower, the shorter days are exactly what initiates bud development for seasonal species such as *Cattleya trianae*.

### **Windowsill**

Because they have less control over the quality and amount of lighting reaching their plants than under-lights growers, windowsill growers face special considerations during the winter months. The day length is shorter in the northern latitudes, so supplemental lighting may be needed for part of the day to maintain a comfortable day-night balance for the plants. At this time of year, the sun's angle is lower on the horizon and may no longer be shaded by trees that have lost their leaves for the winter. A fresh snowfall can also reflect a great deal more light than normal. A sheer curtain may be needed to protect your plants from sunburn at these times.

At night, a heavy curtain between the window and your orchids can act as an insulating barrier to help keep the nighttime temperatures from damaging sensitive tropical plants. Thermopane windows will also help — their two panes of glass separated by an air pocket are good for both orchids and heating bills in the winter time. Even sheets of bubble wrap covering the glass will help keep warmth in and winter chills out. Never allow the foliage to touch the glass; condensation can freeze on the windowpane and kill your orchid's leaves.

Good air movement will help maintain temperatures as well. A fan to circulate the air around the window helps keep temperatures uniform, and distributes and circulates heat from heaters or other sources to keep the growing area closer to the ambient temperature of the room rather than the cold outside.

### **Greenhouses**

Properly planned, a greenhouse may be constructed and oriented to minimize the effects of winter's chill on your orchids. The use of twin-walled instead of single-layered glazing materials adds insulation and reduces heat loss through the greenhouse exterior. Double-layered materials are also better able to withstand the weight of accumulated snow in the wintertime (but never allow the snow to remain on the greenhouse or it may cause damage). Attached greenhouses (those with one or more walls attached to a building), partially excavated and earthsheltered greenhouses retain heat better than freestanding models, and so cause growers less difficulty and expense to heat. Because one or more sides are opaque, attached and earth-sheltered greenhouses do not generally receive as much sunlight as a freestanding greenhouse.

### **Orientation**

the direction of the greenhouse roof relative to the sun's movement — allows growers to take best advantage of available light. During the cold months, to optimize winter growing conditions, an eastwest orientation will allow the greatest amount of sunlight to reach your orchids through the shortest days of the year. This must be balanced with the needs of your orchids, the layout of your property, trees that might shade the greenhouse, etc. For maximum year-round exposure, a greenhouse with a north-south orientation is a better choice.

The next step is critical. Provide "backup, backup, backup and alarms," says Jan Szyren, horticulturist and greenhouse coordinator for Michigan State University. As Szyren notes, an alarm system is critical for notifying growers if the greenhouse temperature should fall below a certain level, as is a backup heating system. Supplemental heating need not maintain optimal temperatures, but protect the orchids from cold damage during a power outage or unusually cold temperatures. Should disaster strike and temperatures drop, try to keep your growing area above 45° F (7° C) at minimum. Gas- or diesel-powered generators, generator fuel and long, heavy duty extension cords for heating appliances and fans to distribute the heat are available at most home-improvement centers to heat your greenhouse during an emergency. Automated systems are available; manual systems are less expensive, but require that someone be on hand to operate them.

Kerosene or propane heaters are another option for supplemental heat if the power goes off, but their fumes that can damage flowers quickly, and to a lesser extent affect plants as well. In addition, these should never be used in attached greenhouses, as the fumes are toxic to people and animals. Greenhouses in which this equipment has been used should be ventilated before being reentered.

Ann Jesup of Bristol, Connecticut adds to and emphasizes the importance of seasonal preparation — "going over the greenhouse to check for and seal any air leaks, have the alarms, furnace and heating system tested, and," she adds, "pray that the temperatures are not going to drop (in the greenhouse, anyway ...)."

As a last resort, moving your collection or your most treasured and cold-sensitive plants indoors temporarily may be an option. While they do not provide optimal growing conditions, homes are much better equipped to keep out the cold than greenhouses. This step can make the critical difference between plant survival and plant loss, so optimal culture can be foregone for a few days until the danger of freezing passes. If your collection is too large to bring indoors in its entirety, grouping those that would be moved indoors together or marking them with a special, brightly colored, easily identifiable tag can save time and plants as temperatures drop. Plastic sheeting or tarps can protect indoor surfaces and furniture from damage from dirt and dampness that comes in with the orchids.

### **After the Fact**

If the worst happens and your orchids are damaged by the cold, don't assume that they are goners. Treat the plant as though it has just been repotted — avoid direct sunlight and high temperatures, keep the medium moist and give them a weak solution of liquid plant food with a full compliment of minor elements. When you see the beginnings of new growth sprouting, apply a very light dose of fertilizer and continue with your weekly liquid food program.

The positive side of the occasional winter chill is that, in many cases, cool periods help induce or enhance bud initiation and flowering.

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*Susan Jones was the editor of Awards Quarterly and assistant editor of Orchids. American Orchid Society, 16700 AOS Lane, Delray Beach, Florida 33446*

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	TITLE	AUTHOR
1	Book of Orchids	Withner, Dr. Carl
2	Botanical Orchids and How to Grow Them	Kramer, Jack
3	Complete Guide to Maine's Orchids	Kenan, Philip E.
4	Exotic Orchids -- Successful Indoor Gardening	Rittershausen, Wilma
5	Expanding Your Orchid Collection	Rentoul, J. N.
6	Field Guide to the Orchids of Britain and Europe	Williams, John & Andrew
7	Flowers of the Amazon Forest	Mee, Margaret
8	Forgotten Orchids of Alexandra Brun	Cribb, Philip
9	International Book of Orchids	Hunt, P. Francis
10	Miniature Orchids	McQueen, Jim and Barbara
11	Orchid Genera Illustrated	Sheehan, Tom and Marion
12	Orchids	Black, Peter McKenzie
13	Orchids	Menzies, David
14	Orchids -- A Guide to Cultivation	Cribb, Dr. Philip & Bales, Chris
15	Orchids -- Natural History & Classification	Dressler, Robert L.
16	Orchids -- Wonders of Nature	Kijima, Takashi
17	Orchids at Kew	Stewart, Joyce
18	Orchids from Seed	Thompson, P.A.
19	Orchids of Africa	Stewart, Joyce & Hennessey, Esme F.
20	Orchids of Asia	Eng Soon, Teoh
21	Slipper Orchids	Hennessey, Esme F. & Hedge Tessa A.
22	Southern African Epiphytic Orchids	Ball, John S.
23	The Specialist Orchid Grower	Rentoul, J. N.
24	Wild Orchids of Britain and Europe	Davies, Paul and Jenne
25	Orchid Pests and Diseases Guide	American orchid Society
26	Growing Orchids Guide	American orchid Society
27	Understanding Orchids	Cullina, William
28	Orchids Made Easy	Levesque, Ryan & Laura
29	A Guide to Orchids of the World	Hodgson Paine Anderson
30	An Introduction to the Orchids of Mexico	Wiard, LeonA.
31	1990 Awards Annual A.O.S.	American Orchid Society
32	Orchids For Everyone, A Practical Guide	Williams, Dumbelton, Bilton, et al
33	Orchids in Australia	Kerr, Ronald
34	Dendrobium Orchids of Australia	Upton, Walter T.
35	The Orchid	Hunt, Kijima
36	Orchids of Vanuatu	Lewis, Cribb
37	The Cattleyas and Their Relatives Volume II. The Laelias	Withner, Carl L.
38	The Cattleyas and Their Relatives Volume I. The Cattleyas	Withner, Carl L.
39	Exotic Orchids in Australia	Jones, David L.
40	Exotic Orchids in Australia (paperback)	Jones, David L.

41	Orchids of South Australia	Bates, Weber
42	Expanding Your Orchid Collection	Rentoul, J.N.
43	Dendrobiums an introduction to the species in cultivation	Schelppe, Stewart
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45	Beautiful Thai Orchid Species	Kamemoto, Sagarik
46	Cultivation of Autralian Native Orchids	Richards, Wootton, Datodi
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50	Growing Orchids The Hybrid Story	Rentoul, J. N.
52	Growing Orchids The Specialist Orchid Grower	Rentoul, J. N.
53	The Astonishing Stanhopeas:the upsidedown orhids	Greer, Barney
54	Native Orchids of Taiwan (English and Tai)	Su, Horgg-Jye Ph.D.
55	Japanese Indigenous Orchids in Color(Non English)	Hashimoto/Kanda
56	Exotic Orchids in Color (Non English)	Hashimoto/Kimura
57	Tropical Orchids of Southeast Asia	Banks, David P.
58	A Cultural Manual For Angraecoid Orchid Growers	Hillerman, Fred
59	Notes from the Royal Botaic Garden Edinburgh	Reeve, Woods
60	A Revision of Dendrobiu Section Oxyglossum	
61	Vandas and Ascocendas and Their Combinations with Other Genera	Grove, David L.
62	Native Orchids of Peninsula Malaysia	Teo, Chris K.H.
63	Genus Phalaenopsis (Orchid Digest, V.1)	Sweet, Herman R., PHD
64	Miniature Orchids	Northern, RebeLavarack,
65	Dendrobium and Its Relatives	Harris, Stockerca Tyson
66	Vandas: Their Botany, History, and Culture	Motes, Martin R.
67	Sarcochilus Orchids of Australia	Upton, Walter T.
68	Indian Orchids: Guide to Identifiatiion & Culture V. II	Pradhan, Udai C.
69	Orchids of India	Rao,A.S.
70	Orchidaceae: Genus—Coelogyne, Botanical Survey of India	Das, Jain
71	Quality Stream of Cattleya 1980's (Jap and Eng)	Jusekisha
72	Asian—with pictures)	
73	Masdevallias:Gems of the Orchid World	Gerritsen & Parsons
	AOS Magazines (dir and suppl)	December 2009 – Current issues
74	AOS "Orchid" Magazine	December
73	AOS "Orchid" Magazine	January
76	AOS "Orchid" Magazine	February
77	AOS "Orchid" Magazine	March
78	AOS "Orchid" Magazine	April
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<b>84a</b>	AOS "Orchid" Supplement	October
<b>85</b>	AOS "Orchid" Magazine	November
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<b>99</b>	AOS "Orchid" Magazine	January
<b>100</b>	AOS "Orchid" Magazine	February



# Nutmeg State Orchid Society

2015

GALA

Orchid Auction

Silent Auction

Dinner

2015 Fun



NUTMEG STATE  
ORCHID  
SOCIETY

**Saturday, November 7, 2015**

6pm to 10:30pm

Tunxis Plantation Country Club  
89 Town Farm Road, Farmington, CT

#### Menu:

Cocktail Hour: 6-7pm • Buffet Stations Open: 7 pm • Orchid Auction Starts: 8 pm

Antipasto Station: Includes Meats, Cheeses, Crackers, Bread, Stuffed Cherry Peppers,

Bruschetta, Mixed Marinated Mushrooms & Roasted Peppers

Chicken Marsala

Garden Salad Station

Pasta Station

Chef's Choice of Vegetable

Bread & Butter

Assorted Desserts

Coffee, Tea, Red and White Wine and Soda included w/ Dinner

Cash Bar for Appetizers

**By Reservation Only:** \$30.00 per Couple, Members

\$15.00 per Single, Member

\$35.00 Per Person, Nonmembers

Auction only starts at 8:00pm, \$10.00 Admission for Nonmembers

#### PUBLIC WELCOME

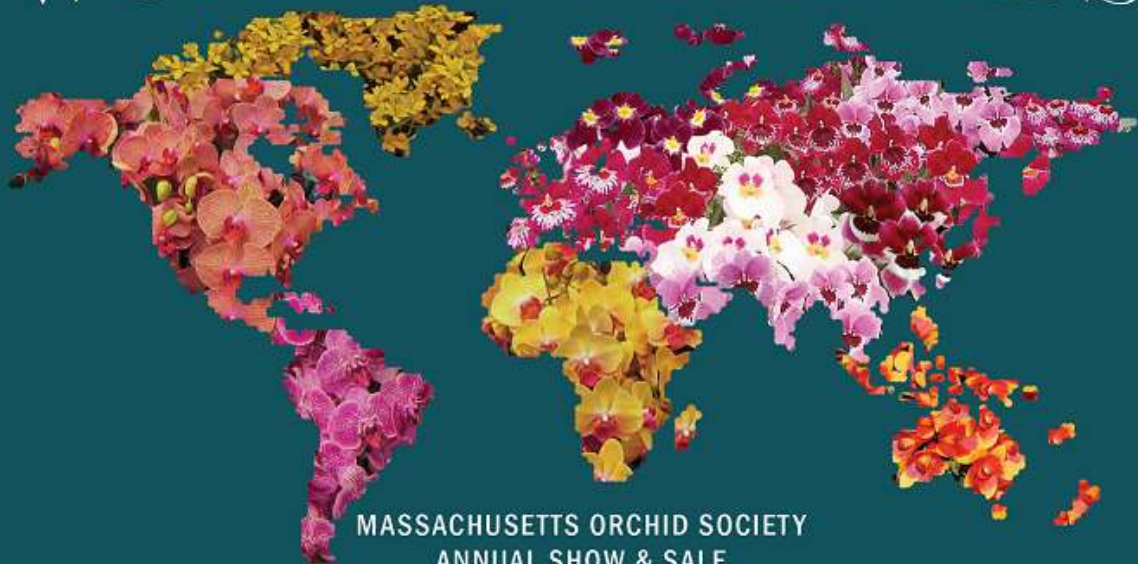
**RSVP By:** October 29 to: NSOS, P.O. Box 131, Farmington, CT 06034-0131

Checks payable to: NSOS Inc.

For more information contact: Sandy Myhalik: myhalik@comcast.net or 860-677-0504

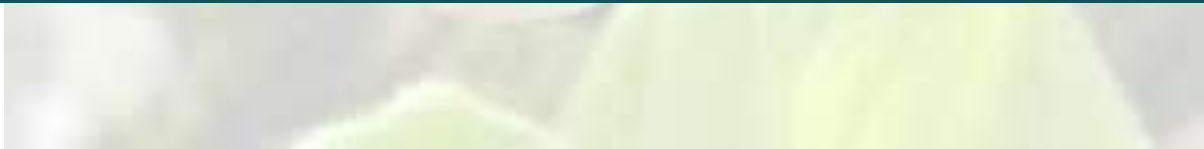
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