



# NHOS Newsletter

March 2017 [www.nhorchids.org](http://www.nhorchids.org)

*Affiliated with the American Orchid Society & Orchid Digest Corp.*



Please be sure to become a fan of [New Hampshire Orchid Society](http://www.nhorchids.org).

## **President's Message**

I'd like to thank our Chairperson, Brenda Campbell and all those who helped to make our show as beautiful as it was. Although the weather did cut down our turn out, we still had a wonderful show. Sue Anderson and all her helpers won the AOS Show Trophy for most outstanding display, Orchid Digest Award for best non-commercial exhibit and Best Interpretation of Show Theme Award.

Congratulations also go out to Chuck and Sue Andersen for their best Pleurothallid; Masd. Heathii 'Samantha' AM/AOS, best Misc. Genera, Coelogyne Unchained Melody, and AOS Plant and Cultural Award for Coelogyne tsii/ecarinata.

Geraldine Liebert was awarded Best Cattleya and Grand Champion for her Lc Drumbeat 'Heritage' HCC/AOS

I was pleased to present Bob and Lee Brockmann the Diamond Award for all of their outstanding work with the society.

Our March meeting will be our new member meeting and I hope we all come to welcome them. Lee has gotten us some nice plants to do potting with. Please remember the hospitality table.

Steve Smyrychynski

## **Next Meeting Saturday March 11, 2017 11:00 AM**

**Bedford Old Town Hall  
3 Meetinghouse Rd.  
Bedford, NH**

**Topic- New Members**

**Plants for the show table must be labeled and on the table by 11:00 AM.**

## **2017 Meeting Schedule**

**Apr 8- Kristen Uthus, New World Orchids. "New Neos from Japan"**

**May 13- Member & Vendor Auction**

**June 10- TBD**

**July 8- Kim Feddersen, Fair Orchids**

**Aug. 12- Annual Picnic. Location TBD**

**Sept. 9- International Phalaenopsis Alliance**

**Oct. 14- TBD**

**Nov. 11- Allen Koch, Gold Country Orchids**



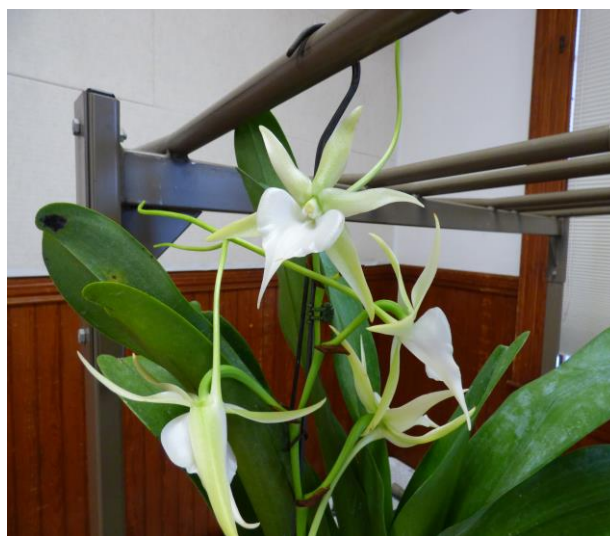
**Lc Drumbeat 'Heritage' HCC/AOS**



**Taida King's Caroline "Little Zebra"  
AM/AOS**



**Paph Parisienne Venus**



**Angraecum Mem. Mark Aldridge**

## February Show Table Results

(Show table photo's courtesy of Lee Brockmann and Matt Lajoie)

### Hobbyist

#### PHALAENOPSIS ALLIANCE

1st Place:	Taida King's Caroline "Little Zebra" AM/AOS	Norm Selander-Carrier
2nd Place:	No name	Dale Cunningham
3rd Place:	No name	Anita Walker

#### PAPHIOPEDILUM ALLIANCE

1st Place:	Paph Parisienne Venus	Harold Fink
2nd Place:	Paph Odette's Enchantment	Les Regenbogen

#### CATTLEYA ALLIANCE

1st Place:	Lc Drumbeat 'Heritage' HCC/AOS	Geraldine Liebert
2nd Place:	C. Ida Elizabeth	William Schinella

#### VANDA ALLIANCE

1st Place:	Angraecum Mem. Mark Aldridge	Lee Brockmann
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#### DENDROBIUM ALLIANCE

1st Place:	Den nobile	Lee Brockmann
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#### ONCIDIUM ALLIANCE

1st Place:	Tolumnia Genting Pink Lady	Peg Regenbogen
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#### CYMBIDIUM ALLIANCE

1st Place:	No name	Lee Brockmann
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#### PLEUROTHALLID ALLIANCE

None

#### MISC.

1st Place:	Stenorrhynchos speciosum	Les Regenbogen
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## **ADVANCED**

None



**Den nobile**



**Tolumnia Genting Pink Lady**



**Stenorrhynchos speciosum**



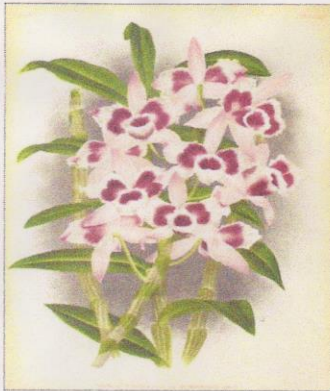
**Coelogyne chloroptera**

## **EXPERT**

**Coelogyne chloroptera**

**Anne Chepjian**

**Judges: Steve Tacopina, Rene Dichon, Jack Mulder, John Crooker, Chuck Wingate**



# MID-HUDSON ORCHID SOCIETY

**Spring 2017**

## ORCHID SHOW & SALE

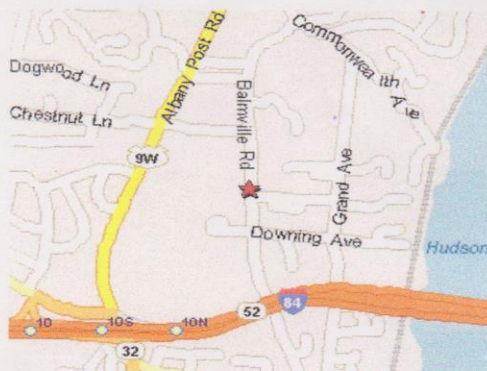
**Saturday, March 18, 2017**

11:00 AM to 3:00 PM

at the

Union Presbyterian Church, 44 Balmville Road, Newburgh, NY 12550

**Save the Date!**



### DIRECTIONS FROM INTERSTATE 84

Take Interstate 84 to exit 10.

Proceed north on Route 9W and make a right at the traffic light onto Chestnut Street (there is an M&T Bank branch on the west side of Route 9W at this intersection; it is less than a mile once you get off at exit 10).

Proceed to the stop sign and make a right onto Balmville Road.

Proceed approximately 1/4 mile and make a left onto Beech Street. The parking lot is on the left.

Entrance to the community center is off the parking lot.

For further information, call Ruth Nattras  
**845-343-2901**



Visit our web site at [www.mhos.us.com](http://www.mhos.us.com)

The MHOS is an Affiliated Organization of the American Orchid Society

## **OTHER EVENTS AND NEWS OF INTEREST**

Nutmeg State Orchid Show and Sale in West Hartford, CT, which is also March 18 and 19

### **2017 Annual NHOS Show Wrap-Up**

#### **Red Ribbons**

**Lee Brockmann**

**Angraecum Memoria Mark Aldridge**

**014a. Vanda Alliance** Aerangis, Aerides & Angraecum species, hybrids & intergeneric hybrids.

**Chuck & Sue Andersen**

**Best Pleurothallid Alliance - David O. Moreton Memorial Trophy -** awarded to *Masdevallia heathii* 'Samantha' AM/AOS grown by Chuck & Sue Andersen in the NHOS Exhibit

**Best Miscellaneous Genera -The Laura Slavin Memorial Trophy -** awarded to *Coelogyne Unchained Melody* grown by Chuck and Sue Andersen -in the NHOS Exhibit

**AOS Plant & Cultural Awards - a CHM (Certificate of Horticultural Merit) to** *Coelogyne tsii/ecarinata* owned by Chuck & Sue Andersen in the NHOS Exhibit

#### **Blue Ribbons**

**Lycaste Alan Salzman X L. Shoalhaven**

**021b. M. Lycaste Group** Lycaste hybrids & intergeneric hybrids.

**Vanda motesiana**

**014k. Vanda Alliance** Vanda species, including *Euanthe*.

**Oncidium Twinkle 'Red Fantasy'**

**017k. Oncidium Alliance** Oncidium species & hybrids, excluding *Equitants* (*Tolumnia*), including *Onc. ampliatus*, *Onc. cheiroporum*, *Onc. crispum*, *Onc. fimbriatum*, *Onc. forbesii*, *Onc. gardneri*, *Onc. maculatum*, *Onc. ornithorhyncum*, *Onc. sphacelatum*.

**Sophronitis coccinea**

**010b. Cattleya Alliance** Species only to include *Brassavola*, *Rhyncholaelia*, *Broughtonia*, *Sophronitis*, *Laelia*, *Cattleya*, *Schomburgkia*, etc... (see appendix A for a more complete listing)

**010h. Cattleya Alliance** Miniature species, size is less than 12” from top of pot to top of plant, including flowers. (classes 010a-010c)

**Pleurothallis immersa**

**020d. L. Pleurothallid Alliance** Pleurothallid species & hybrids, and related genera including Lepanthes, Platystele and Restrepia.

**Masdevallia Heathii 'Samantha' AM/AOS**

**020b. L. Pleurothallid Alliance** Masdevallia hybrids & intergeneric hybrids.

**Dendrobium subuliferum**

**019b. Dendrobium Alliance** – Species Phalaenopsis & Antelope types, including Den. antennatum, Den. helix, Den. stratiotes, etc....

**Dendrobium petiolatum**

**019b. Dendrobium Alliance** – Species Phalaenopsis & Antelope types, including Den. antennatum, Den. helix, Den. stratiotes, etc....

**019o. Dendrobium Alliance** All miniature species, hybrids & intergenerics - size under 12” from the top of the container to the top of the plant including flowers. (Classes 019a-019i).

**Porroglossum teaguei 'Walter'**

**020d. L. Pleurothallid Alliance** Pleurothallid species & hybrids, and related genera including Lepanthes, Platystele and Restrepia.

**Masdevallia amanda**

**020j. L. Pleurothallid Alliance** All miniature species, hybrids & intergenerics. Size less than 12” from top of container to top of plant including flowers. (Classes 020a-020d).

**Coelogyne Unchained Melody**

**022c. N. Misc Genera** Coelogyne Tribe – Coelogyne, Pholidota, Pleione.

**Red Ribbons**

**Slc. Mango Spice**

**011f. Cattleya Alliance** All Red or Red Shade hybrids, excluding lavender and pink.

**Masdevallia Angel Frost 'Highland' AM/AOS**

**020b. L. Pleurothallid Alliance** Masdevallia hybrids & intergeneric hybrids.

**Bulbophyllum ambrosia**

**022g. N. Misc Genera    Bulbophyllum Tribe – Bulbophyllum, Cirrhopetalum, Megacinium, Octomeria.**

**Stenorrhynchus speciosum**

**022j. N. Misc Genera All others, not listed above, including Ancistrochilus, Appendicula, Baptistonia, Bletia, Ceratostylis, Chrysoglossum, Chysis, Cryptopodium, Dipteranthus, Disa, Epipactis, Eulophia, Galeandra, Gastrochilus, Grammangis, Grammatophyllum, Habenaria, Isabelia, Kingiella, Liparis, Neocogniauxia, Neomoorea, Notylia, Oberonia, Ornithocephalus, Polyrhiza, Polystachya, Psuedepidendrum, Robiquetia, Saceolabium, Sarcanthus, Sarcoglottis, Schoenorchid, Sobralia, Spiranthes, Stellis, Stenia, Stenorrhynchus, Telipogon, Trichoceros, Tuberolabium, Vanilla & Zygostates.**

**Dendrochilum rhombophorum**

**022p. N. Misc Genera    All miniature specimen plants. Plant size under 12” from top of container to top of plant including flowers. (Classes 022a-022j).**

**Maxillaria lawrenceana**

**021c. M. Lycaste Group    Maxillaria species, hybrids & intergeneric hybrids, incl. Mormolyca, Scuticaria.**

**Masdevallia amabilis**

**020a. L. Pleurothallid Alliance Masdevallia species.**

**Masdevallia Dennis Riphenburg**

**020b. L. Pleurothallid Alliance Masdevallia hybrids & intergeneric hybrids.**

**Dendrobium subuliferum**

**019o. Dendrobium Alliance    All miniature species, hybrids & intergenerics - size under 12” from the top of the container to the top of the plant including flowers. (Classes 019a-019i).**

**Dendrobium cuthbertsonii pink**

**019d. Dendrobium Alliance – Species    Other types Dendrobium species including Latouria types Den. kingianum, Den. speciosum, Den. rhodostictum, Den. spectabile, Den. thyrsoflorum etc...**

**019o. Dendrobium Alliance    All miniature species, hybrids & intergenerics - size under 12” from the top of the container to the top of the plant including flowers. (Classes 019a-019i).**

**Dendrobium cuthbertsonii pink/white**

**019d. Dendrobium Alliance – Species    Other types Dendrobium species including Latouria types Den. kingianum, Den. speciosum, Den. rhodostictum, Den. spectabile, Den. thyrsoflorum etc...**

**019o. Dendrobium Alliance    All miniature species, hybrids & intergenerics - size under 12” from the top of the container to the top of the plant including flowers. (Classes 019a-019i).**

**Dendrobium pentapterum**

**019b. Dendrobium Alliance – Species Phalaenopsis & Antelope types, including Den. antennatum, Den. helix, Den. stratiotes, etc....**

**Pleurothallis bivalvis yellow**

**020d. L. Pleurothallid Alliance Pleurothallid species & hybrids, and related genera including Lepanthes, Platystele and Restrepia.**

**Masdevallia amanda**

**020a. L. Pleurothallid Alliance Masdevallia species**

**Yellow Ribbons**

**Lc. Mini Purple 'Lea' AM/AOS**

**011a. Cattleya Alliance All Lavender, Mauve or Pink hybrids & intergenerics.**

**Epycilia Serena O'Neill**

**010i. Cattleya Alliance Large specimen plants, species. Plant size greater than 12" from the top of plant, including flowers ( classes 010 a - 010c )**

**Phalaenopsis schilleriana var. purpurea**

**015n. Phalaenopsis Alliance - Standard or Waxy Novelty Species & Hybrids Windowsill grown, natural light only. (Classes 015a-015m).**

**Geraldine Liebert**

**Blue Ribbon**

**Lc. Drumbeat 'Heritage' HCC/AOS**

**011a. Cattleya Alliance All Lavender, Mauve or Pink hybrids & intergenerics.**

**Best Cattleya Alliance - Lee Soule Trophy – awarded to Lc. Drumbeat 'Heritage' HCC/AOS grown by Geraldine Liebert in the NHOS exhibit**

**NHOS Grand Champion – Marty Epstein Memorial Trophy - awarded to Lc. Drumbeat 'Heritage' HCC/AOS, grown by Geraldine Liebert in the NHOS exhibit**

**George Newman**

## **Blue Ribbons**

### **Lepanthes gargoyla**

**020d. L. Pleurothallid Alliance** Pleurothallid species & hybrids, and related genera including Lepanthes, Platystele and Restrepia.

**020i. L. Pleurothallid Alliance** Large specimen plants. Plant size greater than 12" from top of container to top of plant including flowers. (Classes 020a-020d).

### **Mediocalcar versteegii**

**022j. N. Misc Genera** All others, not listed above, including Ancistrochilus, Appendicula, Baptistonia, Bletia, Ceratostylis, Chrysoglossum, Chysis, Cryptopodium, Dipteranthus, Disa, Epipactis, Eulophia, Galeandra, Gastrochilus, Grammangis, Grammatophyllum, Habenaria, Isabelia, Kingiella, Liparis, Neocogniauxia, Neomoorea, Notylia, Oberonia, Ornithocephalus, Polyrhiza, Polystachya, Psuedepidendrum, Robiquetia, Saceolabium, Sarcanthus, Sarcoglottis, Schoenorchid, Sobralia, Spiranthes, Stellis, Stenia, Stenorrhynchus, Telipogon, Trichoceros, Tuberolabium, Vanilla & Zygostates.

## **Red Ribbons**

### **Pleurothallis truncata**

**020d. L. Pleurothallid Alliance** Pleurothallid species & hybrids, and related genera including Lepanthes, Platystele and Restrepia.

**020i. L. Pleurothallid Alliance** Large specimen plants. Plant size greater than 12" from top of container to top of plant including flowers. (Classes 020a-020d).

### **Restrepia sanguinea**

**020i. L. Pleurothallid Alliance** Large specimen plants. Plant size greater than 12" from top of container to top of plant including flowers. (Classes 020a-020d).

## **Peg Regenbogen**

### **Blue Ribbon**

### **Tricophilia sauvis**

**022k. N. Misc Genera** Windowsill grown, natural light only. All misc. genera.(Classes 022a-022j).

## **Watercolor Catt**

**023b. O. Art Exhibits Featuring Orchids** Watercolors, Drawings, Etchings, etc... (original work).

**Les & Peg Regenbogen**

**Blue Ribbon**

**Tolumnia Genting Pink Lady**

**017m. Oncidium Alliance** Tolumnia (Equitant Oncidium) species & hybrids, including Tolumnia guianensis, Tolumnia henekenii, Tolumnia pulchella, Tolumnia triquetra, Tolumnia varigata.

**Yellow Ribbon**

**Tricopilia suavis**

**017n. Oncidium Alliance** Allied Oncidium genera; species, hybrids including Gomesa, Lockhartia, Ionopsis, Rodriguezia, Comparettia, Psychopsis, Trichocentrum and Trichophilia.

**Ann Chepjian**

**Best Grown Using High Intensity Lights Rosette** awarded to Blc. Ninade Primavera grown by Ann Chepjian in the NHOS Exhibit

**Blue Ribbons**

**Blc Ninade Primavera**

**011d. Cattleya Alliance** All Yellow or Orange hybrids.

**011j. Cattleya Alliance** Grown under high intensity light, or natural light supplemented by high intensity light. All Cattleya allied hybrids & intergenerics. (classes 011a-011g).

**Red Ribbon**

**Lycaste Memoria Olga Anton**

**021b. M. Lycaste Group** Lycaste hybrids & intergeneric hybrids.

**Pam Mulder**

**Red Ribbon**

**Den. Into the Wild**

**023a. O. Art Exhibits Featuring Orchids** Oil & Pastel Paintings (original work).

**Chuck Crisler**

**Red Ribbon**

**Fredclarkera After Dark 'SVO Black Pearl' FCC/AOS**

**022a. N. Misc Genera Catasetinae Subtribe – Catasetum, Cycnoches, Mormodes & allied genera; species, hybrids & intergenerics.**

**Lc. Ann Akagi 'Hihimanu' AM/AOS**

**011a. Cattleya Alliance All Lavender, Mauve or Pink hybrids & intergenerics.**

**Yellow Ribbon**

**Phalaenopsis hybrid**

**015d. Phalaenopsis Alliance - Standard or Waxy Novelty Hybrids Pink without markings, or Pink with spots/bars/stripes. Excluding Harlequins.**

**Norm Selander Carrier**

**Yellow Ribbon**

**Phal. Taida King Caroline 'Taida Little Zebra'**

**016a. Phalaenopsis Alliance – Multifloral Miniature Hybrids White including colored lip, faint blush, with or without spots, stripes, bars; excluding Harlequins.**

**NHOS Display**

**Blue Ribbon**

**NHOS Display**

**004. Orchid Societies Orchid plants in flower, arranged for effect.**

**AOS Show Trophy – Most Outstanding Exhibit - awarded to the New Hampshire Orchid Society Display designed by Sue Andersen & NHOS members**

**Orchid Digest Trophy – Best Non-Commercial Exhibit - awarded to the New Hampshire Orchid Society Display designed by Sue Andersen & NHOS members**

**Best Interpretation of Show Theme - Grace Barwood Memorial Trophy - awarded to the New Hampshire Orchid Society Display designed by Sue Andersen & NHOS members**

**Best Conservation/Education Display - Ovid Slavin Memorial Trophy awarded to the NHOS Education/Conservation Display and Video Viewing designed by Jean Stefanik**



**Lee and Bob Brockmann presented with the Diamond Award for service to NHOS**

**Feb. Meeting Minutes**  
**(not available)**

### *March Hospitality*

Please remember to bring all types of foods to share, especially sandwiches!

### **Amherst Orchid Society Annual Show, Feb. 24-25 2017**



**(Congratulations to Chuck Crisler for receiving best Pleurothallid for his *Pleurothallis towleii*.)**

The following article was published in the Jan/Feb 2017 by the Johns Hopkins University Center for Talented Youth. The author, Katherine Duan, is one of Dr. Peter Faletra's students at Crossroads Academy.

**"NHOS is pleased and proud to have supported the students and staff of Crossroads Academy with both logistical and grant funding through our Conservation & Education program. Crossroads Academy has produced displays at past shows (one earning an esteemed AOS Educational Exhibit Award), given talks to our membership and the Native Orchid Conference and has been diligently working to reintroduce *Cyp. reginae* into appropriate habitats. Kudos to Dr. Peter Faletra and his students!" - Jean Stefanik, Chairperson, Education & Conservation Chairperson, NHOS**

And from Dr. Faletra....."Thanks Jean for you and the NHOS helping make this sort of thing possible. Partly because of her lady's slipper research, (mostly because she is such a great person) she was awarded a full scholarship to any school of her choice! Let the NHOS know...and thanks again."

# JUMP-STARTING NATURE

## Using Science to Save an Endangered Species

by Katherine Duan



CHARLES JESSIE

NATIVE TO THE NORTHEASTERN UNITED STATES AND SOUTHEASTERN REGIONS OF CANADA, THE SHOWY LADY'S SLIPPER ORCHID (*CYPRIPEDIUM REGINAE*) IS PRIZED FOR ITS ELEGANT BEAUTY BY ORCHID AFICIONADOS AND NATURE LOVERS ALIKE. UNFORTUNATELY, DUE TO HABITAT LOSS AND DEGRADATION, A LOW GERMINATION AND SURVIVAL RATE, AND, TO A LESSER EXTENT, ILLEGAL COLLECTION, THERE ARE ONLY A FEW LOCATIONS IN NEW HAMPSHIRE WHERE IT IS THRIVING IN THE WILD. I AM WORKING TO CHANGE THAT.

When I was in third grade, a very cool science teacher joined the faculty at our school. Dr. Peter Faletra had a Ph.D. in stem cell research and had published numerous scientific papers. More important to the students, however, was that he created a fun-sounding after-school research program for middle school students. Club members focused on repopulating the showy lady's slipper, but, as I learned later, their efforts could have much bigger repercussions.

When I was in fifth grade, Dr. Faletra taught our class to do sterile tissue culture on that flower—research that he, along with students from his previous school, had begun 20 years earlier. This was my first lesson that real science takes a very long time.

### A Red-Flag Organism

Right now, we're facing what many scientists believe is the sixth mass extinction, the "Holocene Extinction," due mainly to human activity. Because of their sensitivity to environmental change, orchids are often considered indicators of habitat and biodiversity decline.

With over 25,000 species, *Orchidaceae* is the most diverse family of flowering plants. They're frequently found in biodiversity hotspots and, for complex reasons, are very sensitive to habitat changes. Unlike plants that encase their seeds in a fruit, which provides a built-in food supply for the germinating seed, orchids lack a built-in food supply. Not having to invest much energy in their seeds allows them to produce thousands of tiny seeds—each about the size of a dust particle—but it also means the seeds must depend on something else for nutrients. In the wild, orchid seeds

have coevolved with a fungus, mycorrhizae, to supply them with food. In exchange, the mycorrhiza benefit from the carbohydrates formed from photosynthesis.

Orchids also differ from other plants in that many have only a single pollinator. If the environment changes rapidly, the pollinator—or the mycorrhiza—might disappear, leading to extinction of the orchid. This entangled relationship of orchids with their environment makes them a prime subject for modeling the extinction of many species. It also makes them a model for global conservation efforts.

### Helping Nature Take Root

As a sixth grader, I was eager to join the club, where students propagate showy lady's slippers using the same method developed by Dr. Faletra 20 years ago. First, we germinate the seeds in a sterile gelatin medium in test tubes or baby food jars and supplement the medium with the salts and nutrients the plant needs to grow. Once the plants have well-developed roots and shoots, we vernalize them, or mimic their cold dormancy, in the refrigerator for at least three months. We then plant them in a manmade fen—a version of the orchid's natural habitat.

Over the past three years, I've tested various methods of vernalization to find the most effective one. I've also helped design and build ideal fens, controlled environments where the lady's slippers can safely reach maturity. Our research has shown that a suitable location provides four to six hours of sunlight a day and a soil pH of about seven. In building fens, we look for property owners who are

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Katherine's sketches and watercolor painting of the showy lady's slipper. In 2014, she earned first-place awards for Water Color Painting and Best New Artist from the New Hampshire Orchid Society for her painting, right.

genuinely interested in our cause and willing to commit to protecting our lady's slippers. This means covering the fens with two inches of straw each fall, removing it in early spring, and making sure the fens never dry out and that wild animals don't disturb them. We've built around a dozen such sanctuaries in the Upper Valley region of New Hampshire and Vermont. Every year, we check on the fens and track how many plant shoots emerge and when they blossom.

When grown from seed in the wild, it takes the showy lady's slipper eight to ten years to reach maturity. This year, the first batch of plants we germinated in the school lab when I was in fifth grade flowered for the first time, having reached maturity in half the time it takes in the wild. But four years is still a long time.

#### A Different Approach

Micropropagation, also called cloning, is a radically different approach that can be used to supplement traditional propagation methods. Using a piece of root tip or shoot tip and a specific balance of hormones particular to a given plant, micropropagation can produce millions of identical plants in a single year. This method is commonly used for crop plants, such as potatoes, in which uniformity is desirable. In other plant populations, however, cloning comes at a cost.

Traditionally, plants receive the genetic contributions of two "parents," ensuring genetic diversity. This is evolutionarily advantageous, since genetically diverse populations can adapt more quickly to environmental changes. But in cases where a population is crashing, having a population with little genetic diversity is better than having no population at all.

Over the past half-century, micropropagation methods have been developed for many crop plants and hundreds of different orchids. While micropropagation typically requires a delicate balance of at least two hormones, the lady's slipper requires at least 25 different natural and synthetic plant hormones—meaning there are almost endless combinations of hormones and hormone concentrations that could be tried. Despite many attempts, no one has been able to micropropagate any of the estimated 50 species of lady's slippers.

Based on previous research on orchids in the same family as lady's slippers, my research partner and I have tried 16 different combinations. Each attempt takes two to three months to yield results, but we are motivated to keep trying: If we can come up with a standard procedure for others to culture this plant in their own labs, we may be able to remove the showy lady's slipper from the endangered species list.

My partner and I presented our research at the 2015 New England Orchid Show, and later at the 2015 Native Orchid Conference. Impressed by our research, the conference organizer invited Dr. Faletta to submit a paper on the topic. Since I had drafted the presentation, Dr. Faletta encouraged me to take on the challenge. With support from him and his wife, who is also a scientist, I condensed my 21-page paper into 6 pages. In 2015, I published "Conservation of New England's Lady's Slippers" in *The Native Orchid Conference Journal*.

**P**articipating in research has shown me that solving big problems requires many people working together. I know it may take a long time, but I also know that if our efforts succeed, our model may be used to help preserve other endangered plant species worldwide. ■



Katherine Duan, a 2015 Caroline D. Bradley Scholar, is a high school freshman from Hanover, NH. Her abstract, "Improved Propagation of the Showy Lady's Slipper to Support a Restoration Program," was published in the 2016 online meeting records for the Annual Symposium of the American Association for the Advancement of Science.

## Contacts

Twin States Orchid Society (TSOS)  
Contact: Marjorie T. Cook  
892-785-4961  
[Marjorie.T.Cook@valley.net](mailto:Marjorie.T.Cook@valley.net)

Central New England Orchid Society  
Contact: Joanna Eckstrom  
[CNEOS@comcast.net](mailto:CNEOS@comcast.net)  
603-654-5070

Massachusetts Orchid Society (MOS)  
[www.massorchid.org](http://www.massorchid.org)  
Contact: Sasha Crotty  
[mos@massorchid.org](mailto:mos@massorchid.org)

Cape & Islands Orchid Society (CAIOS)  
Contact: Tom Gregg  
[tf.gregg@verizon.net](mailto:tf.gregg@verizon.net)  
508-540-2054

Amherst (Mass.) Orchid Society  
Contact: Marc Gray  
[bulbophyllum@myfairpoint.net](mailto:bulbophyllum@myfairpoint.net)

Maine Orchid Society  
Contact: David Sparks  
207-892-8905  
[dsparks51@roadrunner.com](mailto:dsparks51@roadrunner.com)

Eastern Maine Orchid Society  
[www.easternmaineorchidsociety.org](http://www.easternmaineorchidsociety.org)  
Mary Lou Hoskins  
207-848-5453  
[green@gwi.net](mailto:green@gwi.net)

Ocean State Orchid Society  
[www.oceanstateorchidsociety.org](http://www.oceanstateorchidsociety.org)

Northeast Judging Center at Tower Hill  
Botanic Garden, Boylston, MA  
[www.Towerhillbg.org](http://www.Towerhillbg.org)  
508-869-6111

Orchid Conservation Coalition  
[www.orchidconservationcoalition.org](http://www.orchidconservationcoalition.org)

## NHOS Committees

**Membership** **Lee Brockmann**  
[membership@nhorchids.org](mailto:membership@nhorchids.org)  
**And Susan Labonville**  
[suelabonville@gmail.com](mailto:suelabonville@gmail.com)

**Hospitality** **Bob Brockmann**  
[hospitality@nhorchids.org](mailto:hospitality@nhorchids.org)

**Programs** **Bob Richter**  
[program@nhorchids.org](mailto:program@nhorchids.org)

**Show Table** **Chuck Wingate**  
603-882-9800  
[showtable@nhorchids.org](mailto:showtable@nhorchids.org)

**Publicity** **Vacant**  
[pr@nhorchids.org](mailto:pr@nhorchids.org)

**AOS Affiliated Societies Rep** **Daryl Yerdon**  
603-673-9524  
[aosrep@nhorchids.org](mailto:aosrep@nhorchids.org)

**NHOS Librarian** **Julie Stacy**  
[julie@nhorchids.org](mailto:julie@nhorchids.org)

**Editor** **Leigh Coolidge**  
603-748-6158  
[newsletter@nhorchids.org](mailto:newsletter@nhorchids.org)

**Auction Chair** **Vacant**

**Education & Conservation** **Jean Stefanik**  
603-647-1063  
[conservation@nhorchids.org](mailto:conservation@nhorchids.org)

**Annual Show** **Brenda Campbell**  
**Jean Hallstone**  
603-880-0404  
[show@nhorchids.org](mailto:show@nhorchids.org)

**Risk Management** **Joanna Eckstrom**  
[risk@nhorchids.org](mailto:risk@nhorchids.org)

**Website Steering** **Adrienne Giovino**  
**& Sasha Crotty**  
[webmaster@nhorchids.org](mailto:webmaster@nhorchids.org)

NH Orchid Society  
PO Box 5375  
Manchester, NH  
03108



### *NHOS Officers*

President  
**Steve Smyrchynski**  
[steves@nhorchids.org](mailto:steves@nhorchids.org)

Vice President  
**Bob Richter**  
[bobr@nhorchids.org](mailto:bobr@nhorchids.org)

Treasurer  
**Sasha Crotty**  
[sasha@nhorchids.org](mailto:sasha@nhorchids.org)

Secretary  
**Susan Usseglio**  
[susan@nhorchids.org](mailto:susan@nhorchids.org)

### *NHOS Trustees*

**Norm Selander-Carrier**  
(Past President)  
[norm@nhorchids.org](mailto:norm@nhorchids.org)

**Adrienne Giovino**  
[adrienne@nhorchids.org](mailto:adrienne@nhorchids.org)

**Julie Stacy**  
[julie@nhorchids.org](mailto:julie@nhorchids.org)

**Bob McGrath**  
[bobm@nhorchids.org](mailto:bobm@nhorchids.org)

**Anita Walker**  
[anita@nhorchids.org](mailto:anita@nhorchids.org)

### **Submission of Articles**

Deadline for submission of articles is  
10 days before the monthly meeting.  
Send to Leigh Coolidge at:  
[clcoolidge@tds.net](mailto:clcoolidge@tds.net)

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**Lee Brockmann**  
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[NHOSmembership@live.com](mailto:NHOSmembership@live.com)