

NOOS Newsletter



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MEETING NOTICE

Tuesday, Nov. 8, 2011

City Park Garden Study Center

7:30pm

MOVIE NIGHT

The Judge, the Hunter, the Thief
and the Black Orchid
by Rich Walton

NEWCOMER'S PROGRAM

"Something Good No Doubt"

by Donna Stange

President's Message

Prez Sez,

Meet the Candidates

For President: Donna Stange

Grows a variety of orchids in her back yard. And attracts a wide variety of birds too!

For Vice President: Marian Prigmore

Grows SEVERAL paphs on her front porch and can box up anything at her business The Wooden Box.

For Secretary: Larry Hennessey

Grows many award winning "odd" orchids. Some are smelly too!

For Treasurer: Alice Barrios

With the help of her grower, grows MANY award winners. Loves those paphs and frags.

Here comes da Judge!

Voting at the November 8 meeting.

It's also movie night!

Molly

Movie: provides a behind the scenes look into the world of orchid collecting, judging, hunting, conservation, and smuggling through the story of the Peruvian orchid *Phragmipedium kovachii*.

FYI - Runtime is about 70 mins. The website is www.blackorchidmovie.com





Minutes of the Oct. 2011 Meeting

by Larry Hennessey

President Molly called the meeting to order on October 18, 2011. Several guests were in attendance including members from the Gulf Coast society. A correction to the minutes from the September meeting was noted in that Nancy Barton was not included as a member of the Nominating Committee.

VP Donna announced next month's program will be movie night. She obtained a copy of Rich Walton's documentary film "The Judge, the Hunter, the Thief and the Black Orchid".

Secretary Larry noted that the Acadian Orchid Society Short Course will be held in Lafayette on December 3rd and includes H.P. Norton as a speaker. Cost is \$35 for early registration and an additional \$15 for the lunch.

Alice Barrios is recovering from hip surgery at home but has had several setbacks due to complications with her blood thinning medication causing bleeding in the area of the surgery. Eddie has done well with chemo and should complete his last treatment next week.

The following slate of officers for next year was presented to the membership:

President – Donna Stange

Vice President – Marian Prigmore

Treasurer – Alice Barrios

Secretary – Larry Hennessey

No nominations were offered from the floor. Election will be held at the November meeting.

The society must dispose of the library as Russel is moving. Molly will provide a list of books for members to decide if they want any individual titles and the remainder will be donated to the City Park library.

After a brief refreshment break (cake provided by Max), VP Donna Stange presented a program titled Orchid Diseases. Discussions after the meeting included the LSU Agriculture Extension Service offers plant virus testing for \$25 per plant and glass bead sterilizers are available that don't damage your cutting tools.

23 members and 12 guests were present at the meeting.

Special note our next meeting is one week earlier than usual on November 8.



Mineral Nutrition for Slipper Orchid Growers

[AnTec Laboratory](#) - Bob & Lynn Wellenstein

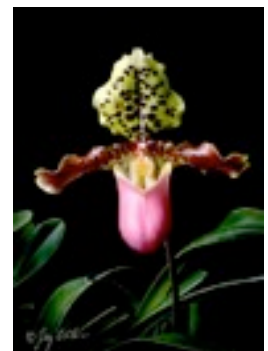
Part 2

It is important to know the pH of your final irrigation mix, and make adjustments if necessary to get it into an appropriate range. We use potassium hydroxide to raise our pH, phosphoric acid is commonly used to lower pH. Vinegar is commonly mentioned as useful for lowering pH, however we do not have experience with it. It is also possible to use a limited amount of potassium silicate to raise your pH, follow label directions to avoid using too high a level. Do not try to raise the pH levels of fertilizer concentrates that contain calcium or magnesium and phosphorus, you may cause precipitates to form. The pH adjustment of these fertilizers must be made in the diluted form.

The charts below summarize additional information regarding mineral nutrition. The relative numbers of atoms in plant tissue is a generalized approximation based on molybdenum being 1, to give a rough idea of the relative needs of the plants for each of these elements, note that it is based on a number of atoms basis, not weight basis. It illustrates the large differences in the plant's needs for macro versus micronutrients, and also helps illustrate the higher needs for calcium and magnesium, which are often overlooked, and are present in reasonable quantities in only about 1/3 of the commercial fertilizers I've surveyed.

The elements translocatability in the plant is also important in diagnosing deficiencies. If the element is translocatable, that is the plant can remove it from tissue in one area and transport it for use in another, then symptoms of deficiency typically appear in the older tissue as the plant mobilizes the element from the more expendable older tissue to the newer growing areas. Conversely, if it is not translocatable, then the deficiency will show more in the new growing areas of the plant. Another diagnostic indicator to pay attention to is the location of the symptoms, are they marginal, interveinal or generalized on the leaf? Again, I'd like to point out that the most likely cause of a mineral deficiency (unless you are not fertilizing at all) is the loss of the roots of the plant, leaving it unable to take up the needed nutrient levels.

Copper	Enzyme component, electron carrier protein in chloroplast	Stunted, misshapen growth.	Symptoms of magnesium or iron deficiency
Molybdenum	Nitrogen and potassium metabolism	Chlorotic interveinal mottling, marginal necrosis, folding of the leaf, no flower formation	



Element	Primary Functions in Plant	Signs of Deficiency	Signs of Excess
Nitrogen	Growth of green (leaf and stem) portions of plant.	Reduced growth, vigor. Chlorosis of older leaves first, premature leaf drop	Soft growth, spindly growth, leaf curl, reduced flowering, symptoms of Potassium deficiency
Potassium	Root growth, sugar and starch production, cell membrane integrity	Dwarfing, chlorosis of older leaves first, leaf curling	Deficiency symptoms of nitrogen, magnesium, calcium, iron, zinc, copper, manganese.
Calcium	Cell wall formation, cell division, enzyme catalyst, neutralization of toxic metabolites	Poor growth, deformed newer leaves, chlorosis of newer leaves, blackened areas at leaf ends and new growths with a leading yellow edge, stunted, shortened roots, dead root tips.	Symptoms of magnesium deficiency
Magnesium	Chlorophyll and protein production, carbohydrate metabolism, enzyme activation	Intervinal and marginal chlorosis starting in the older leaves, increase in appearance of anthocyanin in leaves, necrotic spotting	Symptoms of calcium deficiency
Phosphorus	Constituent of nucleic acids, coenzymes NAD and NADP required for photosynthesis, respiration and many metabolic processes, and the energy compound ATP. Essential for root growth, flowering and seed production	Older leaves are affected first, an increase in anthocyanin pigment and a dark blue green coloration, sometimes with necrotic areas, and stunting.	Symptoms of nitrogen, zinc, iron deficiencies.
Sulfur	Protein formation, photosynthesis, and nitrogen metabolism	Root stunting, general chlorosis starting with younger leaves	
Boron	Sugar transport, DNA synthesis	Death of meristematic tissue, root stunting, no flower formation	Intervinal leaf necrosis
Iron	Component of cytochromes and ferredoxin, synthesis of chlorophyll	Intervinal chlorosis of newer leaves	
Manganese	Enzyme activation in respiration and nitrogen metabolism	Intervinal chlorotic and necrotic spotting	Stunting, necrotic spotting of leaves
Zinc	Tryptophan synthesis, enzyme activation	Smaller, distorted leaves, stunting, intervinal chlorosis of older leaves, white necrotic spotting, rosetting	Symptoms of magnesium or iron deficiency

This article may have been talking about Phaphs in particular, but the functions of minerals and other necessary plant nutrients can be applied to your other orchids too. So use the charts to evaluate the signs and symptoms you see in your orchids and intervene as suggested.




Monthly Winners

Tuesday, October 18, 2011




<i>Award</i>	<i>Member</i>	<i>Plant</i>
BG-1	Ethel & Ed Suberville	Bc. Little Marmaid 'Janet'
BG-2	Molly Prokop	C. Portia 'Cannizarro' AM/AOS
BH-1	Ethel & Ed Suberville	Ctna. Rosie Jewel 'Mom'
BH-1	Margaret Bossier	Den. Fantasy Land
BH-2	Molly Prokop	C. Portia 'Cannizarro' AM/AOS
BS-1	Carol & Arne Stauder	Rdza. lanceolata (secunda)
BS-2	Ethel & Ed Suberville	C. bowringiana





SAVE THE DATE!!
SATURDAY—12/3/2011

51st ANNUAL
Acadian Orchid Society Short Course

An AOS-judged and sanctioned tabletop orchid show will be held in conjunction with the Short Course.

Featured Speakers are H.P. Norton of Orchid View, Moncks Corner, South Carolina and Cordelia Head of J&L Orchids. Plants will be available for purchase.

WHERE: Crowne Plaza Hotel, 1801 W. Pinhook Rd., Lafayette, LA
 WHEN: Saturday, December 3, 2011

**REGISTRATION FORMS AND FURTHER INFORMATION WILL
 BE SENT AT A LATER DATE!**

Contact: Barbara Alexander (balexander@cox-internet.com) (337-298-2026) or
 Pat Huval (orchidsplus@centurytel.net) (337) 667-6821





FIFTY-FIRST ACADIANA ORCHID SOCIETY SHORT COURSE REGISTRATION

Y'all Come! The Acadian Orchid Society invites you to their annual Short Course, a learning experience for orchid enthusiasts.

Register today for the Fifty-First Annual Acadiana Orchid Society Short Course. This year's Short Course will be held on Saturday, December 3, 2011 at the Crowne Plaza Hotel located at 1801 West Pinhook Road, from 8:00 a.m. to 4:00 p.m.

An AOS-Judged and sanctioned tabletop orchid show will be held in conjunction with the Short Course. You are encouraged to enter blooming plants. Ribbons will be awarded to first, second, and third place winners, and trophies will be awarded to the best flower in each class. Plant registration begins at 8:00 a.m., and the program will run from 8:25 a.m. to 4:00 p.m. ***A buffet lunch will be served at the hotel so you can catch up with orchid friends.***

Featured speakers are H.P. Norton of Orchid View, Moncks Corner, S.C. (www.orchidview.com) and Cordelia Head of J&L Orchids, Easton, Connecticut (www.JLorchids.com).

A block of rooms has been reserved for those who will come in on Friday and stay overnight. Call the Crowne Plaza at (337) 233-8120 to get a special rate of \$89.00 per night, and mention the Acadian Orchid Society (AOS) when you call.

A social will be held at the home of Dr. Joe and Missy Abendroth, 219 Oakwood Drive, Lafayette, starting at 6:00 PM, Friday, December 2nd.



Please support your regional orchid activities and submit your Short Course registration. Pre-registration is \$35.00 (*add \$15.00 for the buffet lunch—main courses: smothered chicken and vegetable lasagna*) if registered by November 20th, or \$40.00 (+ \$15.00) after that date (Judges lunches are paid by our society).

Checks may be made payable to Acadian Orchid Society and ***mailed to Barbara Alexander, 2001 W. Congress St., Lafayette, LA 70506.*** We look forward to seeing you in Lafayette on December 3rd.

CUT HERE AND RETURN

REGISTER ME FOR THE LOUISIANA ORCHID SHORT COURSE DEC 3, 2011

Name _____

Phone Number _____

Address _____

Check here for change of address

Amount Enclosed: \$ _____