



# The Calypso

Volume 45 Issue 5 Sept 2022

The Newsletter of the Greater Lansing Orchid Society

## GLOS BOARD

### President

Pete Ostlund 517-449-5248  
p.ostlund@yahoo.com

### Vice President

Ioana Sonea 517-349-3792  
isandcmb@sbcglobal.net

### Past President

Dawn Kittle 517-546-8016  
dawnk8684@gmail.com

### Treasurer

Doris Asher 517-332-0004  
asherdoris44@gmail.com

### Secretary

Becky Thayer 517-281-1810  
reba48910@gmail.com

### Newsletter Editor

Dot Potter Barnett 517-626-7295  
dotbarnett@mac.com

### Away Shows Chair

Jerrie Nichols 517-223-8965  
nicholsjerrie@gmail.com

### Directors

Bill Cadman 517-484-3406  
billc377@yahoo.com  
Abby Skinner 517-816-7979  
skinne11@msu.edu

## INDEX

- 2 President's Message / Books Wanted / Wear Name Tag / Calendar
- 3 GLOS Budget & Explanation.
- 4 Membership Report / Zoom link / Picnic Funds
- 5 Treasurer's Report
- 6 Picnic Report / Photos
- 7 Attention Photographers
- 8 August Members Meeting Report / Growing Hardy Orchids
- 9 Ray Barkelow Culture Info
- 10 September-October Checklist
- 11 Vendor Ads / Bits & Pieces of News
- 12 GLOS Orchid Show: volunteers needed

### CALYPSO DEADLINE:

Oct. 22 for the Nov. issue

*The purposes for which the Society is organized are to create an awareness of orchid culture; to foster the preservation of native species of orchids; to support research and development of orchid culture; and to hold meetings, lectures, and exhibitions.*

## SEPTEMBER 17 MEETING: In-Person

2 42 Community Center at 2630 Bennett Rd, Okemos



Doors open at 5:30 p.m. for:

- Plant shopping
- Experienced Society members will be available to answer questions and help problem solve orchid growing issues
- Please have refreshments in place prior to start of meeting.

*Meeting will start promptly at 6:00*

Edgar Stehli of Windswept In Time Orchids is our guest speaker. His talk will be on Epidendrum and Encyclia orchids. Edgar will be bringing orchids for sale.

For the time being, and according to the CDC Guidelines for Covid 19, we are making masks optional for our meetings.



Windswept in Time Orchid website:

<https://windsweptorchids.com> -- Be sure to visit for information about the business and the plants they offer plus a gallery and much more.

en-SIK-lee-ah

Tribe: Epidendreae  
Subtribe: Laeliinae  
Subtribe: Blettiinae

*Number of species:*

The World Monocot Checklist currently recognizes 147 species and numerous natural hybrids. (8/2007)

*Distribution:*

From Florida through Mexico, Central America, South America all the way to Argentina

E-pee-DEN-drum

Tribe: Epidendreae  
Subtribe: Laeliinae

*Number of species:*

The World Checklist of Monocotyledons recognizes more than 1000 species.

*Distribution:*

Tropical America

**PRESIDENT'S MESSAGE --** Pete Ostlund

All too early, it seems, another summer is coming to a close. For those of you that summer your orchids outside, you're thinking of about "when do I bring them in?". I move some of my orchids outside during the summer just to have a bit more room in the greenhouse. But I also move some outside in the fall, namely my dendrobiums that need a cool (perhaps cold) dry period to bloom. This year, those that didn't bloom for me this past year will get to experience a longer fall outside in hopes that it will encourage blooming. If that doesn't work, they may find themselves elsewhere next year. I don't have a lot of room for orchids that won't bloom.

Thanks to all that attended this year's picnic and made it a success. The picnic and plant sales seemed to run very smoothly this year. The live auction was limited to just a handful of orchids (in previous years, everything that didn't sell ended up in the live auction). Mike and Rob did an excellent job auctioning the plants. If you haven't made it to the picnic, please try to get to it next year. I think all of us had a good time.

We have a good line-up of speakers for the rest of the year. I hope you can make it to the meetings, or at least join us on Zoom.

Our September meeting features Edgar Stehli speaking on epidendrums and encyclias. He's also bringing plants to sell. And usually September offers a lot of plants on the silent auction and raffle tables as members attempt to reduce the number of orchids they carry through the winter months. Hope to see you there.

**WEAR YOUR SOCIETY NAME TAG TO OUR SEPTEMBER MEETING**

Your Society relies on each member to hold unto his or her GLOS name badge. Please wear your badge to our meeting on September 17th. Let's help everyone greet everyone by name by wearing a name tag.

Doris will have the name badges at the meeting that have not yet been picked up by members. She will have write-on name tags for visitors and for anyone who forgot his or her official badge.

(If you have lost your nametag, kindly let either Dot or Doris know. Dot will prepare a replacement for you.)

Doris Asher, Chair  
Dot Barnett

**USED ORCHID BOOKS/PERIODICALS WANTED**

Do you have some orchid books or orchid periodicals that you no longer want? We need them at our Orchid Show, where visitors to the Show snap them up very quickly. Because the items are donated, the Society makes 100% profit. We use the orchid magazines as free giveaways to Show visitors to encourage their joining our Society.

Because this service is so popular, we would like to offer inexpensive, used orchid books again at this February's Show. Since GLOS is an IRS not-for-profit 501©3 organization, you may deduct the value of the books and magazines you give us. The Treasurer will be happy to provide you a receipt for your gift.

Please consider giving such items at this September meeting to Doris Asher.

**GLOS CALENDAR OF EVENTS**

- September 17 at 6:00 - Edgar Stehli of Windswept In Time Orchids: Epidendrum and Encyclia
- October 8 – GLOS zoom meeting at 7:00. Ms. Wenqing Perner - <http://hengduanbiotech.net/index.html>: Chinese Cymbidiums
- November 12 at 2:00 - Mr. Kim Feddersen of Fair Orchids, website: <http://www.fairorchids.com>
- December – undetermined
- January 14 at 2:00 – in person - Jenny Bond - orchid arrangements
- February 25 - 26 – GLOS SHOW AND SALE



**GLOS BUDGET:**

The 2022-2023 approved annual budget is below. The budget was developed by the Finance Committee (consisting of Doris Asher, Carol Stuht and Pete Ostlund). The budget is based on experience from the previous year's income and expenses, with adjustments made for anticipated changes. The budget is a conservative budget, where, if anything, expenses and income were over estimated and under estimated, respectively. This year's budget expects expenses to exceed income by just over \$3000. Last year we anticipated expenses to exceed income by \$2000, but we ended up with income exceeding expenses by \$2000. GLOS has a net worth of over \$20,000 in bank assets. Our annual show generally costs around \$5000, by far our largest expense. That being said, GLOS is in good financial shape, and if our budget actually holds true, we'll continue to be in good financial shape.

The GLOS Board approved the budget at its August 4th meeting.

ITEM/ACTIVITY	Approved Budget 2022 - 2023	
	INCOME	EXPENSE
<b>Show Related</b>		
Show tables (21 total)	\$1,780	
Show site (\$500) + table rental (50@\$11.30)		\$1,100
Advertizing, postcards		\$2,185
Show food	\$1,300	\$1,400
Other show items (moss, ribbons, copying, trophies, etc)	\$525	\$700
Information table (Book sales @ show and donations)	\$300	\$200
Expenses for future shows (beyond 2023), such as ribbons, tags, supplies		
<b>Subtotal Show</b>	<b>\$3,905</b>	<b>\$5,585</b>
<b>Administrative</b>		
Building rental (@\$100 for 5 in-person meetings), picnic rental @\$50		\$838
Liability insurance		\$300
Misc (website rental @50, tax-exempt registration @\$20, dues to AOS and MAOC @\$115)		\$277
Copying (Calypso, culture sheets, flyers etc)		\$150
Postage		\$100
donations to cover Calypso	\$65	
<b>Subtotal Administrative</b>	<b>\$65</b>	<b>\$1,665</b>
<b>Programs</b>		
Speaker's fees, dinner/hotel (assumes 4 in-person speakers) at \$300 each if unknown		\$2,600
Speaker fees for 4 zoom meetings at \$175 each if unknown (could be an in-person meeting with zoom speaker)		\$650
picnic, silent auctions, raffles	\$3,000	
<b>Subtotal Programs</b>	<b>\$3,000</b>	<b>\$3,250</b>
<b>Exhibiting at Other Shows</b>		
Van rentals for away shows (this is not entire amount, driver often covers part of the cost)		\$300
supplies (moss, stakes, etc.)		\$100
<b>Subtotal Exhibiting at Other Shows</b>	<b>\$0</b>	<b>\$400</b>
<b>Contributions/Interest/Dues</b>		
Miscellaneous income donations, commisions on art, etc., Expenses include donations to GLIC @\$150, Nature Conservancy @\$100 and Michigan Nature Association @\$100	\$300	\$350
memberships	\$500	
interest income	\$250	
<b>Subtotal Contributions/Interest/Dues</b>	<b>\$1,050</b>	<b>\$350</b>
<b>TOTALS</b>	<b>\$8,020</b>	<b>\$11,250</b>
<b>NET</b>	<b>-\$3,230</b>	

**REIMBURSEMENT EXPLANATION - Doris Asher, Treasurer**

In accordance with the Society's Bylaws, here are the guidelines for reimbursement for Society activities for this fiscal year – 2022-2023.

Quoting our Bylaws, "For approved activities, expenditures exceeding \$100 require approval of the Board. Note: the Board is under no obligation to reimburse members for expenditures from unauthorized activities."

With respect to reimbursement for things like meals, mileage, accommodations, etc., the Bylaws suggest we go by the current federal reimbursement rates for nonprofit organizations. In checking the IRS website on August 8, 2022, for charitable volunteers, the mileage rate remains at 14 cents per mile. The IRS standard business mileage rate for 2022 is 58.5 cents per mile, but that rate does not apply to GLOS activities. GLOS members working on behalf of the Society can request reasonable reimbursement for hotel/motel expenses, meals, etc. if they can provide receipts to the Treasurer.

- Dawn Kittle, Marilyn Porter and Julia Anstett volunteered to provide refreshments for our in person September meeting.

**GLOS MEMBERSHIP REPORT**

Our GLOS numbers stand now as follows: as of August 23rd – 85 households comprising 92 members. At this time last year, we had 81 members in 73 households. Our fiscal year has ended (on June 30, 2022). We need to receive renewals from nineteen members. Sadly, per our Bylaws, these former members will not receive any more Society newsletters or other mailings. Members in arrears are welcome to renew at any time and will be reinstated immediately!

We have 46 people who are Life Members (55.4% of the membership). These numbers are included in the current membership numbers detailed above. Life Memberships are still available – Life Membership dues are \$80 for individuals, \$120 for two living in the same household.

Total Households (including Life Members): 85

Households getting Calypso electronically: 71 (83.5%)

Households needing paper copies: 14 (16.5%)

Calypso costs us:

Copying: \$.60 each x 6 issues = \$3.60/year

Copying plus postage: + \$.60 stamp = \$1.20 each x 6 issues = \$7.20/household/year

Fourteen households get paper copies: \$100.80 annually. This annual amount is often completely covered by donations that some paper members contribute (requested on dues form). For the fiscal year just completed, we received \$63.00 to help with the expenses of providing paper copies. Thank you very much to these donors.

Doris Asher, Membership Committee Chair

**→ OUR SEPTEMBER MEETING IS IN-PERSON, BUT IT WILL ALSO BE AVAILABLE VIA OUR NORMAL ZOOM LINK FOR THOSE WHO CANNOT ATTEND IN-PERSON:**

Greater Lansing Orchid Society is inviting you to a scheduled Zoom meeting.

Topic: GLOS Annual Business Meeting

Time: 02:00 Eastern Time (US and Canada)

Join Zoom Meeting

<https://us04web.zoom.us/j/701683513?pwd=REQzYnpxaTZjb3p6dDNZNWxCOS8xUT09>

Meeting ID: 701 683 513

Password: 20-Orchids

One tap mobile

+19292056099,,701683513# US (New York)

Meeting ID: 701 683 513

**HI, EVERYONE!**

I hope you all enjoyed (this year's) GLOS Picnic as much as I did. I want to give you an update on the event.

I recorded 39 attendees which included 32 members and 7 guests.

I'll be taking \$2,031 to the Credit Union --

our live auction brought in \$380. Thank you, Mike, for being our good auctioneer.

Seven members renewed their memberships

There was \$40 in donations

The plant sales brought in \$1,551. (As a point of comparison, I did not separate the auction from the plant sales last year -- the two together at the 2021 Picnic brought in \$1,632.50. This year, we did better -- the two combined raised \$1,931.)

Thank you, everyone for attending, for donating sales/auction items, for buying sales/auction items, for renewing your membership, for the delicious food. A great event!

Doris (Asher)

**NOTES FOR TREASURER'S REPORT GLOS AUGUST 4th** - Doris Asher, Treasurer

Note: On July 14, 2022, I filed the required annual IRS return for a small non-profit organization. This keeps our non-profit status functional.

On July 24, 2022, I filed the required State of Michigan nonprofit corporation annual report which cost \$20.00 and keeps us official with the State of Michigan.

I am reporting only up to June 30th, the end of our fiscal year. These documents are what the Finance Committee used to develop the draft budget for 2022-2023. I'll report on July 1st forward when we meet in October.

**Current period – May 28, 2022 – June 30, 2022**

a. Net expense of \$224

b. Income -- \$23.80 (bank interest from CD's)

c. Expenses -- \$248

i. Administrative Expenses -- \$173 (AOS dues 2 years -- \$162; postage -- \$11)

ii. Show – 2023 – Orchids in Use supplies -- \$76

d. Total Assets = \$21,764, of which \$17,006 is in 10 CD's with varying maturity dates; checking account has \$4,752

**Annual Fiscal Year 2021- 2022 July 1, 2021 – June 30, 2022**

a. Net income of \$2,819

b. Income -- \$10,392

i. Show – 2022 -- \$4,035

ii. Donations \$2,097 (Doris Asher \$1,075; Bill Overton Bill Overton \$1,000)

iii. Meetings -- \$1,764

1. September -- \$321

2. October All-State -- \$264

3. November -- \$119

4. March 2022 -- \$188

5. April 2022 -- \$141

6. May 2022 -- \$731

iv. Picnic -- \$1,672

v. Dues -- \$508

vi. Bank interest from 10 savings CD's -- \$245

vii. Donations for paper Calypso -- \$63

c. Expenses -- \$7,573

i. Show – 2022 -- \$3,201

ii. Meetings -- \$3,011

1. August (Alan Koch) -- \$200

2. September -- \$225

3. October All-State (Olaf Gruss) -- \$316

4. November (John Jaworski) -- \$150 & facility rental -- \$100

5. March 2022 (Eric Sauer) -- \$195 & facility rental -- \$138

6. April 2022 (Bill Overton – facility rental -- \$138

7. May 2022 (Brenda Oviatt) -- \$1,393 & facility rental -- \$158

iii. Administrative Expenses -- \$789

1. Liability insurance -- \$297

2. Dues – AOS – 2 years -- \$162

3. Copying -- \$100

4. Postage -- \$70

5. Awards Committee expenses -- \$45

6. Dues 2022 – Mid-America Orchid Congress -- \$45

7. Website -- \$40

8. File Michigan Nonprofit report -- \$20

iv. Donations -- \$350

1. Great Lakes Judging Center -- \$150

2. Michigan Nature Association -- \$100

3. Nature Conservancy -- \$100

v. GLOS exhibit in GVOS Show -- moss -- \$113

vi. Show 2023 -- \$111

**Budget Reconciliation Year-to-Date July 1, 2021 – June 30, 2022**

a. Actual income = \$10,391 (compared with budgeted amount of \$6,477)

b. Actual expenses = \$7,575 (compared with budgeted amount of \$9,151)

c. Under budget = \$2,816



**PICNIC AND GRAND ORCHID MART 2022**

**JULY 23, 2022 MEMBERSHIP MEETING MINUTES** - Becky Thayer, Secretary

This was our annual picnic and plant sale. Pete called the meeting to order around 11:00 a.m. There were 32 members and 7 guests present.

**Announcements:**

Doris recognized our 7 guests.

Teresa Fowle was honored for receiving the recognition award as she was not present at the last meeting.

Pete explained that the board is looking into using social media for



advertising the show next year. We are working with MSU through 24Seven to help set up our social media pages; however we need volunteers to



manage and maintain the pages. If you would be interested in helping, please contact Pete or Ioana.

Next meetings are: August 13 at 7:00 PM meeting will be via Zoom with Doug Martin speaking on native orchids.

September 17 at 6:00 PM in-person hybrid meeting with Edgar Stehli of Windswept In Time Orchids. He will be bringing plants to sell.

Oct. 8 at 7:00 PM Zoom meeting with Wenqing Perner from China speaking on Chinese Cymbidiums (The species and their cultivation).

The Ohio Valley Orchid Fest is August 26 - 28; for more information check the web site <http://ohiovalleyorchidfest.com/>



**JULY 23, 2022 MEMBERSHIP MEETING MINUTES**, Continued

Ecuagenera is having pop up sales in Michigan, check their website for more information:  
<https://www.ecuagenera.com/> or contact Pete if you need help.

The plant table had several beautiful plants for us to enjoy.

The picnic table was filled with wonderful food and no one left hungry!

Mike did a great job with the auction; it was very fun and entertaining.

As you know, this is our biggest fundraiser of the year and we were not disappointed. With everyone's help, we raised \$1,551. A big thank-you to everyone that donated plants and to those who bought them.

**ATTENTION PHOTOGRAPHERS:**

**The discovery of a native orchid in the wild can be exhilarating. This is your chance to SHARE the JOY !**

**As promised, the first Native Orchid Conference photo contest was discussed at the Olympic Peninsula Symposium and it generated great enthusiasm. The first entries have already been received. Don't miss your chance to participate ... share your photos now. Here are the details:**

**Eligibility - anyone may participate (NOC membership not required) in either the Adult or Youth (grade 12 or lower when photo was taken) division**

**Timing - submissions accepted immediately through November 15, 2022**

**How to submit - email up to 3 images to [nocphotos2022@gmail.com](mailto:nocphotos2022@gmail.com)**

**Entry criteria -**

**image must be of native orchids (species or natural hybrids) in their natural habitat  
 image may be a single flower, a full or partial inflorescence, multiple plants, a habitat overview or a close-up of flower features**

**image must have been taken in the U.S. or Canada**

**do not include props or artificial backgrounds**

**include photographers name, contact info, name of orchid(s), identify the image and specify if Adult or Youth**

**delete metadata or any reference to specific location of plants**

**if image was previously published, provide details**

**only basic adjustments permitted (flowers should appear as seen in nature)**

**images should be JPEG format and no larger than 8MB**

**Selection for publication - entries will be evaluated based on adherence to the above criteria, composition and esthetics, correct plant ID and educational or conservation relevance**

**Recognition - selected entries will be featured in an exclusive edition of the Native Orchid Conference Journal. Images remain the property of the photographer who retains copyright privileges.**

**Photographers will be contacted and given an opportunity to provide anecdotal information about their entries which will be included in the Journal**

**Special award - three entries from each age group will earn the photographers a one year, free membership in the Native Orchid Conference**



**AUGUST 13, 2022 MEMBERSHIP MEETING MINUTES** - Becky Thayer, Secretary

Ioana called the meeting to order at 7:05 PM. This was a Zoom meeting with 20 participants.

**Announcements:**

The next meetings will be: September 17 at 6:00 PM in-person hybrid meeting with Edgar Stehli of Windswept In Time Orchids. Edgar will be speaking on Epidendrum and Encyclia. He will be bringing plants to sell.

Oct. 8 at 7:00 PM Zoom meeting with Wenqing Perner from China speaking on Chinese Cymbidiums (The species and their cultivation).

Don't forget The Ohio Valley Orchid Fest is August 26 – 28; for more information check the web site <http://ohiovalleyorchidfest.com/>

Doug Martin, Ph.D. was our speaker. His talk was on Growing Hardy Orchids.

Doug's talk was interesting, entertaining and informative. He answered many questions and gave practical advice. Doug kindly agreed to allow us to record the talk and make it available to members who could not attend the meeting. If you would like to watch (or watch again) Doug's presentation, contact Ioana or Dot.

There was no virtual plant table.

The meeting ended at 8:20 PM.



- They are deciduous and require a cold rest in winter
- Hardy orchids have three seasons:
  - Dormant Season – Winter
  - Growing Season – Spring and Summer
  - Die Back Season – Fall
- They require consistent moisture at their roots
- They require pure water: rain, R.O., distilled
- They like bright light

**Resources for Hardy Orchids**

*For more information contact:*

*Doug Martin*

*dofrma44@gmail.com*

**Books*****Growing Hardy Orchids, John Tullock***

***The Gardener's Guide to Growing Hardy Perennial Orchids, William Mathis, Ph.D.***

**Perner, Holger. 1997. *Cultivation. In Cribb, Phillip, The Genus Cypripedium.***

**Frosch, W. and Cribb, P. 2013. *Hardy Cypripediums: Species, hybrids and cultivation. Kew Publishing, UK. 156 pp.***

**Websites**

**Burch, R.**

<http://gardensatposthill.netCypripedium%20species.html>.

**Frosch, W.**

<http://www.cypripedium.de/English/english.html>.

**Malmgren, S.**

[http://www.lidaforsgarden.com/orchids/cypripedium\\_eng.htm](http://www.lidaforsgarden.com/orchids/cypripedium_eng.htm)

This is mostly about growing from seed but if you scroll to the end he discusses growing in soil.

**Some Recommended Sources for North American Native Orchids**

**Spangle Creek Labs Cypripedium species seedlings  
Itasca Lady's Slipper Farm (species Only)**

**Gardens at Post Hill**

**Hillside Nurseries**

**Keeping it Green Nursery**

**Plant Delights/Raising Rarities**

**Hengduan Mountains Biotechnology Ltd. Ask to be on mailing list. Import preordered plants twice a year.**



**FROM RAY BARKELOW OF FIRST RAY'S ORCHIDS NEWSLETTER**

## CULTURAL NOTE

## PPP - Proper Pesticide Use

It's getting to be the time of year that we are thinking ahead to bringing our outdoor plants inside for the winter, and we really don't want to allow any of the casual "hitchhikers" to join them, so this seemed like an opportune time to share an updated version of this guide.

Despite all of our efforts to keep our collections clean, tidy, and pest-free, there simply will come a time when we're forced to pull out the "big guns" in our arsenal of commercial pesticides. Your stewardship of their use is an important aspect of orchid culture, and the following is some excellent guidance I have received:



- **READ THE LABEL**, and read it completely, including not only the application instructions, but be especially careful to read - and heed - the safety warnings and recommended protective gear.
- Preventive treatment with pesticides is a mistake. As there is no way to totally kill all critters with a single treatment, that's how resistant strains are developed. Use pesticides as a curative measure only. Insect Growth Regulators (IGR's, such as Enstar II) are less of an issue in this regard, as they kill all development stages of insects and prevent them from reproducing, which precludes the possibility of passing on the resistant genes.
- Rotate your pesticides - not during a single treatment campaign, but between campaigns (see more below). Different classes of chemicals have different modes of action on the pests. At one end of the spectrum are those that suffocate the insect (oils) or simply remove protective coatings (soaps) and make them vulnerable to the environment around them, while at the other end are those that disrupt biological processes in one or more of several different ways. Varying the mode of action between bouts of infestation is the best way to ensure maximum effectiveness and prevent the development of resistance. Here is a chart of the control mechanisms of many commercial insecticides, so you can choose wisely: [https://www.ohp.com/Labels\\_MSDS/PDF/CCC\\_X.pdf](https://www.ohp.com/Labels_MSDS/PDF/CCC_X.pdf)
- Follow the label directions explicitly in terms of the concentration to use, the frequency of application, and the period between those applications.

Note: If orchids are not listed on the label, it is often acceptable to use the dosage intended for roses.

One of the most common issues that folks have with pesticide use is that of improper treatment:

- Too weak of a concentration seems obvious, in that it simply won't kill the pests.
- Too strong of a mix concentration can also be bad, as not only might it be damaging to the plants, in some cases it will negatively affect the solubility of the active ingredient, rendering it less effective.
- Most pesticides do not kill insects in all stages of their maturity - egg, larva, pupa, adult - so while a single treatment might kill all of the adults present, there are more critters waiting to mature and take their places devouring our plants. Insecticide labels recommend repeating the treatment - I recommend three times at one-week intervals - so be sure to do just that.
- Be thorough in your treatments! Wet all exposed plant surfaces and drench the medium, as some critters can live on the roots system, as well as on the foliage.
- The time period between treatments is dependent on both the pesticide and the life cycle of the pest. If the chemical has extended residual action, the time period between treatments may be longer. If it doesn't, such as is the case with home remedies concocted from soaps and alcohols, more frequent treatments will be necessary. Likewise, pests with short life cycles will need more frequent treatments to avoid missing the maturation and reproduction of an entire generation. Generally, I stick to a "3@7" regimen - three thorough treatments at 7-day intervals, and find it is quite effective.
- Do not rotate pesticides during one treatment cycle, but if, a few weeks after such a thorough regimen, you find that your pest population has returned, repeat the "3@7" regimen, using a pesticide having a different Mode of Action (MOA)

Failure to comply with any of these guidelines can fail to control the pests and may lead to the development of resistant strains that are even harder to eradicate.

Continued on p10

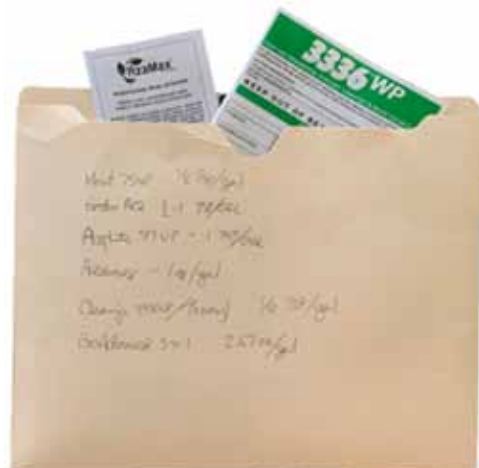
## FROM RAY BARKELOW OF FIRST RAY'S ORCHIDS NEWSLETTER, continued

Here's another tip I find handy: Many pesticides have extensive labels that contain safety information as well as usage guidelines, and they are often glued loosely on the package. Get a manila document-storage folder or box and place the labels in it after reading them completely. Then, document the effective dosage on the front for quick reference.

As always, if you have any questions, feel free to email me and I'll try my best to help.

Also, if you wish to use any of this content in a society newsletter, feel free, as long as I get credit.

Until next time... Good Growing!

American Orchid Society  
Education. Conservation. Research.  
Affiliated Society

**MONTHLY CHECKLIST FOR SEPTEMBER AND OCTOBER** -- The AOS thanks Ned Nash and James Rose for this essay.

### *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*

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.

### *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.



**Littlefrog Farm**  
 Rob Halgren, PhD  
 PO Box 26  
 Holt, MI 48842  
<http://littlefrogfarm.com>  
[rob@littlefrogfarm.com](mailto:rob@littlefrogfarm.com)

Jump into Orchids !

**GLOS Advertising Policy**

*Commercial members may advertise their orchid businesses in the Calypso at no extra charge. Ads will appear as space is available and in the order they are received. Advertisers are responsible for preparing their ads. Standing Ads size should normally be 2" x 3" but exceptions may be made for special events. Submissions will be considered a one-time-only unless designated as standing ads. Please check the stated deadline for submission to any Calypso issue. Submissions may be made via email or regular mail.*

*Non-commercial members may also advertise orchid related items in the Calypso under the above conditions.*

**GLOS needs healthy, disease-free plants for our raffle and silent auction. Please share your divisions and no-longer-wanted orchids with your fellow orchidists.**



American Orchid Society  
 Education. Conservation. Research.

**Orchid Ailments**

**The AOS's Pests and Disease Series**

The AOS website provides information and images to help identify orchid ailments and grow healthier plants. From Aphids to Virus, you will find information on insect pests, rots, disease and cultural challenges, to name a few, and advice on prevention and treatment for the problems. Click below for articles to learn about specific orchid problems.



<https://www.aos.org/orchids/orchid-pests-diseases.aspx>



Paradise in Peril! Please enlist the help of your fellow orchid society members to help protect the Dracula Reserve from the damage caused by gold miners.

The Orchid Conservation Alliance  
 564 Arden Drive, Encinitas, CA 92024  
 EIN 20-2382586  
 A 501 ( c ) 3 not for profit corporation  
[www.orchidconservationalliance.org](http://www.orchidconservationalliance.org)

GLOS Web Site:  
<https://greaterlansingorchidsociety.com>

Facebook  
<https://www.facebook.com/Greater-Lansing-Orchid-Society-202834892618/>



Discover the top vendors in the orchid community and their special offers on all things orchid.

If you are an AOS member, you also save 5% from every vendor.

Two-Year AOS members also receive over \$600 worth of coupons from the ELITE Marketplace Partners.



*The End Page*

---

**GLOS 2023 SHOW UPDATE**

The dates for our 39th orchid show are February 25 - 26 2023. Planning for the show is already underway. Please mark your calendars. We'll need volunteers for various duties for the show dates and for the 2 days prior (February 23 and 24).

The Show Planning Committee will need volunteers for the following. Anyone interested in helping in any of these areas, please contact Ioana Sonea, this year's Show Chair.

- AOS Judging
- Art Exhibits, Orchid-Related
- Classes for Public
- Flyer/Handouts
- GLOS Exhibit
- Hospitality
- Information Table/Membership
- Judging Activities/Registration
- Kids' Corner
- MSU Liaison
- Orchids-in-Use Competition
- Parking Permits/Signage
- Publicity
- Vendor and Exhibitor Liaison

If you'd like to help out and learn about any of these activities, or perhaps take over one of these roles, please contact Ioana.

More information about the show will be coming out in future months. But we need volunteers to make the show the success it always has been.

Please mark your calendars for February 23 – 26 so you can help out at the show and avoid other conflicts.

Thanks!

