



Congratulations WOS/SOW on your 28th year of service to orchid enthusiasts.

Visit us on the web at: www.windsororchidsociety.ca

No.5 2012/13

Next Meeting: Sunday, Feb, 24, 2013 Time: 1:30 p.m.

Location: St. Clair College, Room 192A (Horticultural Building), Guests are Welcome

Topic: The Japanese tradition of growing and appreciating Fukiran by Terry Kawalczuk of Flora-peculia. Terry will have plants for sale. <http://florapeculia.ca/>

The Windsor Orchid Society continues to meet from September to May (excluding December) on the last Sunday of each month.

Occasionally meetings are re-scheduled when we are participating at Orchid Shows that are scheduled for the same weekend as the General meeting or if the regular meeting date falls on a holiday. Watch the Newsletter and website announcements for these changes.

Executive Members

Acting Chair	Ed Cott	519-252-7342	laelia@aol.com
Vice-President	Louise Holt	519 252-3781	we.ezer100@hotmail.com
Secretary	Renee Gignac	519-995-2392	rgignac776@hotmail.ca
Assistant Secretary	Tammy Siefker	519-999-5439	sief45@hotmail.com
Treasurer	Betty Levar	519-253-5531	bettylevar@gmail.com
Past-President	Ed Cott	519-252-7342	laelia@aol.com

Society Representatives

COC Rep.:	Louise Holt
AOS Rep.:	Ed Cott
MAOC Rep.:	Doris Asher
OD Rep.:	Ed Cott

Committee Appointments

Archives:	Eunice Bragg
Budget:	Ed Cott - Betty Levar
Conservation:	Mary Caspers

Committee Appointments

Fund-raising:	Mary Caspers - Ed Cott - Tammy Siefker
Hospitality:	Eunice Bragg - Tammy Siefker
Library:	Louise Holt
Membership:	Ed Cott - Betty Levar - Eunice Bragg
Newsletter:	Ed Cott, Louise Holt, Renee Gignac
Photographer:	Hung Le, Ed Cott
Program:	Ed Cott
Publicity:	Vacant
Raffles & Prizes:	George Vegh
Orders / Supplies:	Ed Cott
WebSite:	Eunice Bragg - Ed Cott - Mary Caspers - Louise Holt
Welcoming:	Renee Gignac - Sheila Hooton
Winter Social:	Sue Alexander
Webmaster:	Mark Whelan

Topic: The Japanese tradition of growing and appreciating Fukiran



Terry Kowalczuk operates Flora-Peculia a company dedicated to offering unusual plants for sale with a special emphasis on the Japanese varieties of *Neofinetia falcata*. Terry offers the largest retail catalogue of Fukiran in the Canada.

Terry brings a special appreciation of art to this business venture, among other jobs, an orchestra conductor in his other life. His pride and joy in this other life was the successful presentation of Beethoven's difficult Ninth Symphony at a recent concert of the Counterpoint Symphony Orchestra! To make sure no minute is left over for lazing around, Terry also works for Kiva Gardens as a landscape designer.



Fund Raising Ideas for the Year: It is always difficult to come up with new ideas to raise funds each year. We have had auctions of plants, OrchidWiz, raffles, calendar sales, etc. but we'd like your ideas and input. **The Society is currently selling tickets for an internal raffle to be drawn at the May meeting. There are two \$50 prizes to be awarded to the winning members. Tickets are \$5 each or 5 for \$20. Please see Mary Caspers for tickets.**

A special thank you for contributing food and raffle items at the January meeting: Thanks so much to everyone who brought goodies for the refreshment table – including Deb, Eunice, Betty, Jeannie, Norma, Lily & Hung, Ruth, Pam, Renee, Julia & Rudy. What a spread! Please remember to sign the sign-in sheets to be recognized for your contributions. Raffle items were contributed by TAMAR Building Products, Julia & Rudy, Deb, Chuck & Bernie.

Orchid Supplies: Bark, Physan, sphagnum, sponge rock, fertilizer, totes, etc., are available at the meeting. Special request? See our Special Orders and Supplies Committee Chair – Ed Cott.



Bizarre Bazaar - This is an important auction and fundraiser for our Society and it depends on member contributions of orchid plants or divisions, orchid related items and other desirable objects. Please remember to set aside those items during the year. Your contribution will help assure your Society's continued success at this May event. Funds support costs associated with speaker fees for our visiting presenters.

Parking: *Members can park in Lot "L" behind the greenhouse building & walk to the meeting room. (Vehicles enter through the exit gate - it will be open). Although the spaces indicate it is for Handicap Parking, this is not enforced on Sunday.*



Temperature Ranges

Unlike most of our familiar houseplants, orchids are adapted to conditions that experience not only seasonal variation in temperatures but also significant day/night variations as well. These seasonal and diurnal variations are often critical to proper growth and flowering and, when not provided, may weaken the plant and allow the development of temperature-stress related disorders.

Cool, Intermediate or Warm?

Orchids are usually classified as either cool-, intermediate- or warm-growing depending on their temperature needs and the usual definitions of these ranges are: Warm 80-90F days and 65-70F nights, Intermediate 70-80F days and 55-65F nights and Cool 60-70F days and 50-55F nights.

First, these temperature ranges are for winter conditions. Obviously, cattleyas and many oncidiums tolerate summer days into the 90s or no one in three-quarters of the country would be able to grow them. However, temperatures above the low 90's do cause physiological stress on the plants and their ability to tolerate it is tied to a significant drop in night temperature as well as the typically short duration of summer heat. The same plants constantly exposed to high day temperature with little diurnal variation rapidly develop symptoms of heat stress such as black rot and calcium-deficiency induced leaf-tip dieback.

Second, these ranges are SAFE estimates. We all know individuals who routinely expose their plants to temperatures above and, more importantly below, these ranges without apparent damage but the ability to survive temperature extremes is closely tied to many other environmental and cultural practices as well as the duration. A few hours of temperatures in the 40's will have a remarkably different effect on phalaenopsis than a whole growing season of too-cool conditions. Think of these ranges like traffic hazard warning signs. Does a sign for a curve ahead at 35mph mean you can't take it at 50mph? Of course not, you might be able to but it helps if you are an experienced driver. The same is true of plants. If your plants have been grown under uniformly warm conditions they will be much more stressed by sudden cold snaps than they would be if they were allowed to gradually become acclimated to lower temperatures and wet plants can be more easily damaged by cold than dry plants. Some clones are much more tolerant of extreme conditions than others. That fact is the basis of the development of warmth tolerant or especially cold tolerant landscaping plants.

These temperature ranges overlap somewhat and many genera are either adaptable to a wide range of conditions or have species with different cultural requires such that, with careful selection of micro-climates in your growing area, it's possible to successfully grow a wide range of plants. For those that want nights a bit cooler, moving them closer to the windows will help while those that want to be a bit warmer can be staged further away provided adequate light can be provided.



The Need for a Day/Night Differential

Most of the orchids we grow do best under intermediate temperature conditions. Given adequate humidity and air movement, many will tolerate higher daytime temperatures than the ranges would indicate as long as they cool off at night. Night temperatures that are too warm or too cold are more often than not, much more damaging to plants than day temperatures.

Appropriate night temperatures are critical to good growth and flowering. Most orchids do best with a 10-15F fluctuation between day and night temperatures with those from lower elevations and more tropical climates needing somewhat less but without this day/night temperature differential the plant's respiration and metabolism are impacted. Cool nighttime temperatures allow orchids to store rather than expend the carbohydrates they manufacture during the day. Night temperatures that are too high or day/night fluctuations that are insufficient are perhaps the second leading cause of failure to bloom. If your plants are growing well, with strong vigorous growth but fail to flower and you are sure that your light is adequate, try dropping your night temperatures by a few degrees. You may be surprised by the results. In some cases, plants will not flower unless both the day and night temperatures are below a certain threshold regardless of the day/night fluctuation. For example, phalaenopsis grown under 90F/80F (day/night) temperatures will not flower even though there is a 10F differential. This is because day temperatures above 85F and night temperatures above about 75F inhibit flowering independently of each other. Conversely, if your plants are not producing vigorous growth, try raising or lowering your night temperature a few degrees.

Seasonal Variation

Know thy orchids. Many orchids, especially species, are adapted to significant seasonal variations and without them will either not flower or may not grow at all. This is especially true of plants from higher elevations or more northerly climates. While *Dendrobium lindleyi* (*aggregatum*) grows perfectly well during the summer months with temperatures in the 90's during the day and 70's at night, it will not flower without a sharply colder (and virtually dry) winter season. The same sort of seasonal variation is at play in the flowering of nobile dendrobiums and plants like *Dendrobium kingianum*. In their native habitat, summers can be very hot with temperatures even exceeding 100F but winters are cool and dry. Without this cool winter, flowering is inhibited and the plants produce numerous keikis where there should have been inflorescences.

For every orchid that needs a wide seasonal variation there's an orchid adapted to consistently warm or cool conditions. In some cases these species occupy localized habitats that do not experience significant seasonal variations because of altitude or equatorial location or they may come from high or low altitudes. This is where a little research into the native habitat of your plants will go a long way to successful culture.

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Thank you, Mario & Conni Ferrusi

From the moment our special guests started to set up their 'Marsh Hollow Orchids' sales table, Society members were eye-ing and selecting from the great variety of orchids. Mario presented an overview of the Awards granted by the Toronto Judging Centre in January and also showed us the Special Awards of the AOS from 2012. As a special treat, Mario outlined some of the safeguards one needs to consider when establishing a greenhouse – specifically those that are essential when considering power & heat failure. After their presentation, the WOS/SOW awarded Mario an Honourary Lifetime Membership to the Society. Thank you Mario & Conni for your enduring support of our Society since its formation in the mid-1980s.





The January Meeting Plant Table (photos by Hung Le)



- Best in Show



Denrobium (schuetzei x Sander's Festival)
(Jeannie Gascoigne)



Jackfowlieara Yellow Fellows
(Jeannie Gascoigne)



Bsn. Maikai x Gur. bowringiana
(Louise Holt)



Brassavola Little Stars (grown by Louise Holt)



Paphiopedilum Winston Churchill
(grown by Louise Holt)



Howeara Chian-Tzy Lovely grown by Eleanor Sfalcin,
admired by Laurie Miinch



Members partake in the goodies & refreshments.



Members swarming Mario's Plant Table.



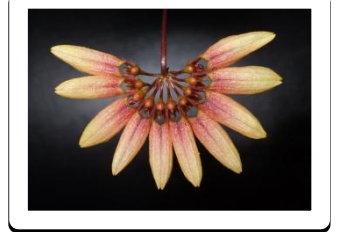
London Orchid Society Invitations

Note: The London Orchid Society meetings are held at St. Joseph's Regional Mental Health Care London (The London Psychiatric Hospital), 850 Highbury Avenue in the amphitheatre. The meetings begin at 2:00 p.m. but the doors are usually open sometime between 1:00 p.m. and 1:30 p.m. for setup and socializing.



April 21, 2013, London Orchid Society Meeting, Dr. Doris Jensen

*Dr. Jensen is from the Hamilton area and will speak on the subject of *Bulbophyllums*. Doris is an accredited AOS judge who is currently writing a book on the subject of her presentation.*

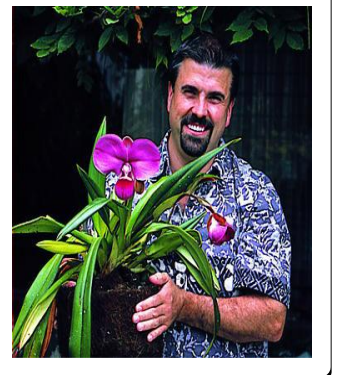


Bulb. sibuyanense
(photo by C T Lefaive)

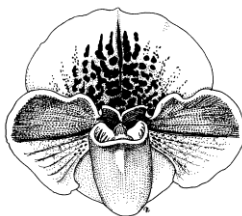
May 19, 2013, London Orchid Society Meeting, Glen Decker of Piping Rock Orchids - New York.

(Note: Glen will be bringing plants that have been pre-ordered to the event)

Glen Decker of Piping Rock Orchids, New York will speak to us on How to Grow Great Slipper Orchids. This will include a lot of cultural information as well as how to take care of bugs using nontoxic means. While he plans on bringing orders for sale at this special meeting, it is best to pre-order. Further information about how to pre-order will be announced closer to this meeting. Glen Decker began growing orchids at the age of 15 and holds the degree of Associate in Applied Science in Ornamental Horticulture. He was the previous chair of the American Orchid Society's Publications Committee and has served as a Director of the Orchid Digest Corporation. Glen has won numerous AOS awards, including the Butterworth Prize, Nax Trophy, WW Wilson Award and the Carlyle A. Luer Award. He has appeared in Martha Stewart's Better Living Magazine and on a PBS TV special "Orchid Delirium". He rewrote the Slipper section of the Brooklyn Botanic Garden's "The Best Orchids for Indoors" and was the technical editor for the "Orchids for Dummies" book.



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Your Windsor Orchid Society 2012-2013 Programming Guide! - mark your calendar

Date	Speaker / Event	Topic	Plants for Sale?
Feb 24	Flora Peculia Terry Kowalczyk	The Japanese tradition of growing and appreciating Fukiran	Yes (pre-orders available)
Mar TBD	Orchid Digest Power Point Program	Paphiopedilums by Jim Clarkson	TBA
Apr 21	Dr. Doris Jensen London Orchid Society	Growing Bulbophyllums Society invitation (see page 5)	Yes
Apr 28	Littlefrog Farms Rob Halgren	New advances for growing under lights	TBA
May 19	Glen Decker, Piping Rock London Orchid Society	How to grow slipper orchids. Society invitation (see page 5)	Yes (pre-orders only)
May 26	Annual General Meeting	Bizarre Bazaar	Yes

Date Show / Event Location and contact info if available

2013		
Feb 23-24:	Greater Lansing Orchid Society Show	Pete Ostlund, Show Manager
Mar 02-03:	The Orchid Society of the R.B.G. Show	Royal Botanical Gardens in Burlington.
Mar 16-17:	London Orchid Society Show	1065 Sunnyside Rd., E., London, ON.
Apr 13-14:	The Toronto Artistic Orchid Association Show	2330 Midland Ave, Scarborough, Ont, M1S 5G5
Sep 28-29:	The Central Ontario Orchid Society	Hespeler Arena, 640 Ellis Road, Cambridge.
Oct 26-27:	The Windsor Orchid Society Show	Teutonia Club of Windsor, Windsor, Ontario.

Membership Application and Renewal Form

Complete this form and bring to the next general meeting or mail it along with your payment to:
The Windsor Orchid Society, C/O Betty Levar, 1822 Chilver Road, Windsor, Ontario. N8W 2T8

Name: _____

Address: _____

City: _____ Province: _____ Postal Code: _____

Telephone Number: _____ - _____ - _____

Email Address: _____

How do you prefer to receive your monthly Newsletter? Email: _____ Postal mail: _____

Are you a member of the COC? ___ AOS? ___ Orchid Digest? ___ Other(s)?

How many years have you grown orchids? ___ Greenhouse ___ Under-lights ___ Windowsill

How did you hear about the Windsor Orchid Society?

Annual Dues are \$20.00 single and \$25.00 family.