

SOS EXECUTIVE

PRESIDENT:

Sherida Gregoire

VICE PRESIDENT:

PAST PRESIDENT:

Faith Prodanuk

SECRETARY:

Laurel Duczek

TREASURER:

Heather Anderson

SOCIAL DIRECTORS:

Jocelyn D'eon

Shirley Keith

PLANT ORDERS:

Cheryl Adamson

Heather Anderson

RESOURCES:

Bob Farthing

Yvette Lyster

LIBRARIANS:

Ellen Ross

Don Keith

NEWSLETTER:

Bob Lucas

Dave Robinson

AOS REPRESENTATIVE:

Matthew Sackville

COC REPRESENTATIVE:

Al Hartridge

VISITING SPEAKERS:

Eugene Kucey

WEBMASTER:

Jennifer Burgess

MAILING ADDRESS

SASKATCHEWAN
ORCHID SOCIETY
Box 411
SASKATOON, SASK
S7K 3L3

WEB ADDRESS

WWW.SASKORCHIDS.COM

ANNOUNCEMENTS

EDITOR'S NOTE

THE NEWSLETTER WILL BE DISTRIBUTED ELECTRONICALLY TO ALL MEMBERS FOR WHOM WE HAVE AN EMAIL ADDRESS. IF YOU WISH TO SWITCH FROM PAPER TO ELECTRONIC DELIVERY, NOTIFY ME AT (ROBERT.LUCAS@USASK.CA). EMAIL ME IF YOU HAVE NOT RECEIVED YOUR ELECTRONIC NEWSLETTER BY THE THIRD SUNDAY OF THE MONTH.

SEPTEMBER MEETING

THE SEPTEMBER MEETING OF THE SOCIETY WILL BE HELD ON SEPT. 28TH AT DUTCH GROWERS, COMMENCING AT 1:30 P.M.

25TH ANNIVERSARY OF THE SOS

THOSE OF YOU WITH SHARP EYES WILL HAVE NOTED THAT THIS IS THE FIRST ISSUE OF VOLUME 26 OF THE NEWSLETTER. IN OTHER WORDS **IT IS THE 25TH ANNIVERSARY OF THE SASKATCHEWAN ORCHID SOCIETY.** THERE WILL BE A SPECIAL CELEBRATION AT ONE OF THE UPCOMING MEETINGS, SO BE SURE YOU HAVE UPDATED YOUR MEMBERSHIP.

MEMBERSHIP RENEWAL

SOCIETY MEMBERSHIPS FOR 2008-2009 ARE DUE AND WILL BE ON SALE AT THE SEPTEMBER MEETING. THE FEE IS \$25.00 FOR A SINGLE MEMBERSHIP AND \$30.00 FOR A FAMILY MEMBERSHIP. A NEW FORM (AVAILABLE FROM HEATHER) MUST BE COMPLETED BEFORE PURCHASE.

CALGARY SHOW

THE SOS WILL PARTICIPATE IN THE FOOTHILLS ORCHID SOCIETY ANNUAL SHOW IN CALGARY ON OCT. 3RD - 5TH AT THE TRIWOOD COMMUNITY CENTRE,, 2244 CHICOUTIMI DR N. W. WE WILL NEED PLANTS FOR THE DISPLAY. PLEASE DELIVER YOUR PLANTS TO



BOB LUCAS OR HEATHER ANDERSON ON THURSDAY EVENING, OCTOBER 2ND BETWEEN 6:30 AND 8:00 P. M. BOX YOUR PLANTS FOR TRAVEL AND INCLUDE A LIST OF THE NAMES, INCLUDING PARENTAGE, IF POSSIBLE.

PLANT ORDERS

WE WILL BE PLACING TWO PLANT ORDERS AFTER THE SEPTEMBER MEETING WITH FOREST VIEW GARDENS OF SURREY, B. C. AND CARMELA ORCHIDS OF HAWAII. TERRY GROSZEIBL OF FOREST VIEW VISITED US LAST YEAR AND HE BROUGHT SOME VERY NICE PAPHS. CHECK OUT HIS CATALOGUE AT WWW.FVGARDENS.COM. THE CARMELA CATALOGUE IS AVAILABLE AT WWW.CARMELAORCHIDS.NET/. LINKS TO THESE GROWERS ARE TO BE FOUND ON THE SOCIETY WEBPAGE. THE DEADLINE FOR ORDERS WILL BE THE SEPTEMBER MEETING TO ENSURE PLANTS ARE SHIPPED BEFORE WINTER. DEPOSITS ARE REQUIRED AT THE TIME OF ORDER (50 PERCENT OF THE VALUE OF THE ORDER).

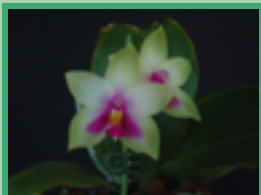
LIGHT BULB ORDERS

THERE WILL BE A SOCIETY ORDER OF FLOURESCENT TUBES AFTER THE SEPTEMBER MEETING. LOOK FOR THE ORDER FORM AT THE RESOURCES TABLE AND INDICATE YOUR DEMAND. WE WILL BE ORDERING T5 AS WELL AS T12 TUBES, AND THE PRICE OF THE T5'S COMPLETE WITH BALLAST WILL BE IN THE 25-30 DOLLAR



PHAL BEDFORD GEM

*SPECIAL PHOTO
ISSUE OF THE NEWS-
LETTER: DEADLINE
FOR SUBMISSIONS IS
AUGUST 24TH, 2008*



PHAL BELLINA

RANGE. IF YOU DON'T KNOW WHAT A T5 TUBE IS, CHECK OUT THE ARTICLE "LET THERE BE LIGHT," IN THE APRIL AND MAY NEWSLETTERS, AVAILABLE ON THE SOCIETY WEBPAGE.

PLANT RAFFLE

SHERIDA HAS BEEN COLLECTING ORPHAN PHALS ALL SUMMER AND WE WILL HAVE ABOUT 30 FOR THE RAFFLE IN SEPTEMBER. BE SURE TO BUY LOTS OF TICKETS!

PLANT SALE

THERE IS NO RESTRICTION ON PLANT SALES IN SEPTEMBER, SO BRING ALL THOSE PLANTS YOU HAVE BEEN THINKING OF SELLING. THE SOS COLLECTS 10 PERCENT

OF THE SALE. PRICE OF ALL MEMBERS' PLANTS SOLD AT THE MEETING

MEETING PRESENTATION

AS THERE IS NO SPEAKER FOR THE SEPTEMBER MEETING, WE WILL CONDUCT AN OPEN FORUM ON GENERAL PLANT CULTURE FEATURING THE GENERAL MEMBER SHIP.

MEETING AGENDA

- ANNOUNCEMENTS
- PROBLEM CORNER
- SHOW AND TELL
- COFFEE/SUPPLIES
- PLANT RAFFLE AND SALE
- ADJOURNMENT

MAY 25TH MEETING MINUTES

THE PRESIDENT WELCOMED GUESTS AND NEW MEMBERS. MAY IS THE LAST MEETING OF THE 2007-2008 MEMBERSHIP SEASON SO STOCK UP ON SUPPLIES FOR THE SUMMER MONTHS. THE NEXT MEETING WILL BE IN SEPTEMBER.

ANNOUNCEMENTS

MEMBERSHIP RENEWAL - IT IS TIME TO RENEW MEMBERSHIPS FOR THE UPCOMING SEPTEMBER 2008 TO MAY 2009 MEMBERSHIP YEAR. MEMBERSHIPS ARE \$25 FOR SINGLE AND \$30 FOR FAMILY. THIS YEAR EARLY RENEWALS (APRIL AND MAY 2008) RECEIVE A \$5.00 COUPON TO BE USED FOR RESOURCES/SUPPLIES. THE COUPON EXPIRY DATE IS JANUARY, 2009.

PLANT ORDERS - THE ORDER FROM HAUSERMANN'S ORCHIDS ARRIVED AND THERE ARE A FEW PLANTS THAT HAVEN'T BEEN PICKED UP. SEE CHERYL ADAMSON AFTER THE

MEETING TO MAKE YOUR PAYMENT AND TO RECEIVE YOUR PLANTS. A REMINDER - TWO ORDERS WILL BE PLACED IN SEPTEMBER TO ENSURE THEY ARE RECEIVED BEFORE IT GETS TOO COLD TO SHIP PLANTS. PLANT ORDERS AND DEPOSITS ARE DUE AT THE SEPTEMBER MEETING. CHECK OUT THE WEB SITES FOR FORESTVIEW GARDENS OF SURREY, B. C. WWW.FVGARDENS.COM/ AND CARMELA ORCHIDS OF HAWAII WWW.CARMELAORCHIDS.NET/

JUNE 22 PIKE LAKE NATIVE ORCHID TRIP - THOSE INTERESTED IN GOING ON THE JUNE 22 TRIP TO PIKE LAKE TO VIEW NATIVE ORCHIDS WILL MEET IN THE PARKING LOT ADJACENT TO THE PETLAND STORE AT CONFEDERATION MALL AT 2:00 P.M. IF YOU NEED A RIDE PLEASE CONTACT ONE OF THE EXECUTIVE.

ACKNOWLEDGEMENTS - THANK YOU TO ALL MEMBERS WHO BROUGHT REFRESHMENTS, CHEESE OR FRUIT.

PLATTERS AND DESSERTS THROUGHOUT THIS YEAR FOR THE MEETING COFFEE BREAKS. IT WAS GREATLY APPRECIATED.

EXECUTIVE VACANCY – THE SOCIETY IS STILL SEEKING SOMEONE TO SIT ON THE EXECUTIVE AS VICE PRESIDENT. PLEASE CONTACT THE PRESIDENT IF YOU ARE INTERESTED.

TERRY LETENDRE – AN E-MAIL WAS RECEIVED FROM LAST MONTH'S SPEAKER, TERRY LETENDRE. HE ENJOYED THE VISIT AND WANTS TO THANK MEMBERS FOR BUYING THE PLANTS HE OFFERED FOR SALE. IF THERE WERE PLANTS MEMBERS CONSIDERED BUYING AND WOULD NOW LIKE TO PURCHASE, CONTACT HIM TO MAKE ARRANGEMENTS AND HE WILL SHIP TO SASKATOON.

PROBLEM CORNER

SINCE NOVEMBER THE CATTLEYA BLOSSOM SHEATHS HAVE BEEN TURNING BROWN ALMOST OVERNIGHT AND NO FLOWERS EMERGE. THE SHEATHS ARE DRY. THESE PLANTS HAVE BLOOMED IN THE PAST. THEY ARE WATERED ONCE A WEEK AND DIFFERENT TYPES OF FERTILIZER HAVE BEEN TRIED.

SUGGESTIONS: IN NATURE THE PLANT MOVES WITH THE BREEZE AND THE FLOWER SHEATHS BUMP INTO OTHER PARTS OF THE PLANT AND THIS IS THOUGHT TO HELP THE SHEATH OPEN SO THE BUDS CAN PUSH OUT. IN THE HOUSE, THERE IS LESS MOVEMENT AND PLANTS WITH DOUBLE OR TRIPLE SHEATHS MAY NOT OPEN. TAKE A STERILE RAZOR, CUT THE TIP OF THE SHEATH AND THEN TOUCH THE EDGES WITH ALCOHOL. IF THE SHEATHS TURNED BROWN FROM WATER GETTING CAUGHT IN THEM, THEY WOULD BE MUSHY FROM BACTERIAL ROT. IF THE SHEATH HAS BLACK SPOTS IT COULD BE FUNGAL INFECTION.

SHOW AND TELL

PLANTS ON DISPLAY WERE GROWN BY: CHERYL ADAMSON, BOB FARTHING, SHERIDA GREGOIRE, ELLEN ROSS, FRED MEYER, SARAH NYKIFORUK, MARY ORCHARD, RUTHANNE HANBIDGE, YVETTE LYSTER, AND JENNIFER BURGESS. GABRIELE BURMEISTER DESCRIBED HOW SHE, AS A NOVICE, ORDERED A FLASK OF PLANTS WHEN SHE THOUGHT SHE WAS ORDERING A LARGE PLANT.

PLANT RAFFLE

THE RAFFLE PLANTS WERE DONATED BY SAFEWAY. WINNERS WERE: MARY ORCHARD, BEV HILDEBRANDT, PAT RANDALL, LAUREL DUCZEK, LISA PAULS, YVETTE LYSTER, JINI SUBENDRAN HEATHER DRYSDALE, RUTHANNE HANBIDGE.

2008 WOC MIAMI, FLORIDA POWERPOINT PRESENTATION

THE PHOTOGRAPHS IN THE PRESENTATION WERE TAKEN BY BOB LUCAS, CHERYL ADAMSON AND HEATHER ANDERSON ON THEIR TRIP TO THE WOC IN JANUARY. THE POWERPOINT SHOW WAS ASSEMBLED BY BOB AND GIVEN BY CHERYL AND HEATHER. IT DEMONSTRATED THE WIDE VARIETY OF BLOOMING PLANTS USED IN THE DISPLAYS OF GROWERS, SHOWED CLOSE-UPS OF BLOOMS AND FEATURED INTERESTING PROPS AND DISPLAY DESIGNS AS WELL AS AWARDED DISPLAYS.

SHOW AND TELL DRAW

AT THE MAY MEETING THE SOCIETY PUTS THE NAMES OF THOSE WHO BROUGHT PLANTS FOR SHOW AND TELL THROUGH



PHAL SUN JE
DIAMOND

OUT THE YEAR INTO A DRAW FOR A PRIZE. IF A MEMBER BRINGS PLANTS TO MORE THAN ONE MEETING, THEIR NAME IS ENTERED IN THE DRAW FOR EACH OF THOSE MEETINGS (I.E. PLANTS BROUGHT TO 4 MEETINGS, NAME ENTERED IN THE DRAW 4

TIMES). THE DRAW INCLUDES THOSE WHO BROUGHT PLANTS TO THE MAY MEETING. DRAW WINNER : GABRIELE BURMEISTER

PLANT SALE
ADJOURNMENT:4:00 PM

WEB PAGE OF THE MONTH

EACH MONTH WE WILL FEATURE A WEB PAGE. IF YOU HAVE A FAVORITE, SEND IT TO THE EDITOR. EACH SEPTEMBER WE PROVIDE A LISTING OF ALL WEBPAGES FROM THE PAST YEAR. SEE THE CORRESPONDING NEWSLETTER FOR A DESCRIPTION OF THE WEBPAGE.

OCTOBER:
WWW.PHRAGWEB.INFO

NOVEMBER:
WWW.SLIPPERORCHIDS.INFO/

JANUARY:
WWW.PHRAGMIPEDIUMKOVACHII.COM

FEBRUARY:
WWW.DRACULASPECIES.COM

MARCH:
WWW.SUNSETVALLEYORCHIDS.COM

APRIL:
WWW.MOUNTAINORCHIDS.COM

MAY:
WWW.ORCHIDSPECIES.COM



MESOPHYLL CELLS CAN COLLAPSE FOR A VARIETY OF REASONS.

MESOPHYLL CELL COLLAPSE IN PHALAENOPSIS BY PATRICK LINDSAY

(REPRINTED BY PERMISSION FROM PHALAENOPSIS, THE JOURNAL OF THE INTERNATIONAL PHALAENOPSIS ALLIANCE, FIRST QUARTER 2008, PP. 18-19.)

HEXUM, NOTHUMBERLAND, UK. DURING THE SUMMER OF 2005, A FAULTY THERMOSTAT ALLOWED A CONSTANT STREAM OF COLD AIR FLOW THROUGH A 12 INCH FAN INTO MY GREENHOUSE. BECAUSE IT WAS SUMMER AND THE PHALS DID NOT SHOW ANY SIGNS OF STRESS, I THOUGHT THIS WAS, AT WORST, A BENIGN PROBLEM.

MANY MONTHS LATER, HOWEVER, WHEN THE PLANTS BEGAN SEINDING UP FLOWER SPIKES, THE LEAVES STARTED TAKING ON A

HORRENDOUS APPEARANCE. WHAT I THOUGHT WAS A BENIGN SUMMER PROBLEM WITH THE THERMOSTAT HAD, OVER TIME, RESULTED IN MESOPHYLL CELL COLLAPSE, A DEGENERATIVE CONDITION OF PHALS THAT AFFECTS NEW LEAVES.

MESOPHYLL CELLS CAN COLLAPSE FOR A VARIETY OF REASONS, BUT TEMPERATURE EXTREMES OFTEN TRIGGER THE CONDITION. COLD, IN ONE FORM OR ANOTHER, IS ALMOST ALWAYS THE PRIMARY CAUSE, ALTHOUGH EXCESSIVE HEAT ALSO

CAN BE THE CULPRIT. IN ANOTHER INSTANCE, FOR EXAMPLE, SOME OF MY SEEDLINGS SUFFERED FROM A PARTIAL COLLAPSE OF THE MESOPHYLL CELLS WHEN A CABINET IN WHICH THEY WERE GROWING OVERHEATED.

MESOPHYLL CELL COLLAPSE IS RECOGNIZED IN ITS INITIAL STAGES BY A DISCOLORATION ON THE UPPER SURFACE OF THE LEAF, WHICH MAY RESEMBLE YELLOWISH CIRCLES OR STREAKS. THIS CONDITION MAY GO UNNOTICED IN A LARGE COLLECTION UNTIL THE LEAF TAKES ON THE APPEARANCE OF MITE DAMAGE.

GROWERS CAN DETERMINE WHETHER THEIR PLANTS ARE SUFFERING FROM CELL COLLAPSE OR INSECT DAMAGE WITH A 10X MAGNIFIER. IN THE CASE OF MESOPHYLL CELL COLLAPSE, THE DAMAGE EVENTUALLY MAY TURN FROM A SILVERY APPEARANCE TO BLACK, BUT NOT IN EVERY CASE. THE APPEARANCE OF THE DAMAGED SECTION OF LEAF SEEMS TO DEPEND ON THE SEVERITY OF THE CELL COLLAPSE AND THE PLANT ITSELF. ONCE THIS CONDITION HAS BEEN DIAGNOSED, THEN ONE HAS TO THINK BACK SEVERAL MONTHS TO TRY AND ESTABLISH THE CAUSE.

IN THE CASE OF THE FAULTY THERMOSTAT AND THE COLD EVENING AIR IN THE SUMMER, THE CONDITION DIDN'T BECOME APPARENT UNTIL THE PLANTS EXPERIENCED THE STRESS OF SENDING UP FLOWER SPIKES. PHALS USE 40 PERCENT OF THEIR ENERGY TO PRODUCE FLOWERS. OBVIOUSLY, THE FAN HAS BEEN REVERSED TO EXPEL AIR FROM THE GREENHOUSE-- WHICH IS A BIT LIKE SHUTTING THE STABLE DOOR AFTER THE HORSES ARE GONE!

ANOTHER CULTURAL CONDITION THAT CAN CAUSE MESOPHYLL CELL

FROM SOURCES SUCH AS A LEAK IN THE GREENHOUSE ROOF. THIS PROBLEM ONLY AFFECTS THE LEAVES THE WATER FALLS ON. IT SHOULD NOT BE CONFUSED WITH EVAPORATION DRIP, IN WHICH CASE THE WATER FALLING FROM THE INSIDE PORTION OF THE ROOF TENDS TO BE WARMER THAN OUTSIDE WATER DRIPPING THROUGH A ROOF LEAK. EVAPORATION DRIP IS ALSO LESS LIKELY TO AFFECT THE LEAVES THAN A DRIP FROM A ROOF LEAK, EXCEPT WHEN IT MAY HIT THE CENTRE OF THE PLANT AND CAUSE CROWN ROT.

PLANTS PURCHASED AT SHOWS MAY ALSO HARBOR UNSEEN PROBLEMS WITH MESOPHYLL CELLS. AT THE LONDON SHOW IN MARCH OF 2005, I BOUGHT FOUR SMALL PLANTS OF DTP. TAIWAN RED CAT. ONE OF THEM BROKE OUT IN CELL COLLAPSE WHEN IT PRODUCED A SPIKE. THE NEXT THREE LEAVES THE PLANT PRODUCED ALSO WERE AFFECTED (EDITOR'S NOTE: THE ACCOMPANYING PICTURE DEPICTS A LEAF WITH HEAVY BLACK IRREGULAR PITTING AND COPPER-YELLOW DISCOLORATION ON THE LEAF.) I ALLOWED THE LEAF TO SPIKE AGAIN, WHICH MAY HAVE CONTRIBUTED TO THE CONTINUING PROBLEM. ONE OF THE OTHER PLANTS, AFTER CARRYING A FLOWER SPIKE FOR SEVERAL WEEKS, RECENTLY DEVELOPED SYMPTOMS ON ITS NEWEST LEAF.

THE FOUR PLANTS OF DTPS. TAIWAN RED CAT WERE IMPORTED FROM TAIWAN FOR THE LONDON SHOW. SOME OTHER PLANTS I PURCHASED AT THE SHOW THAT ALSO SUFFERED FROM MESOPHYLL CELL COLLAPSE WERE IMPORTED FROM EUROPE. THE DEALER WHO SOLD ME THE PLANTS LATER ACKNOWLEDGED THAT ALL OF THEM HAD EXPERIENCED COLD TEMPERATURE WHILE BEING SHIPPED TO



PHAL TEXAS FANCY



LONDON. THESE PLANTS RECOVERED MORE QUICKLY THAN THE ONES THAT WERE SUBJECTED TO THE CONSTANT EVENING DRAFT.

PHAL GROWERS CAN ONLY DO SO MUCH TO COMBAT CELL COLLAPSE. PREVENTIVE MEASURES INCLUDE: AVOID COLD DRAFTS; STOP ANY DRIPS (OR MOVE THE PLANT); ENSURE THAT THE TEMPERATURE CONTROL SYSTEMS ARE FUNCTIONING PROPERLY; ASK VENDORS IF THEIR PLANTS MAY HAVE SUFFERED FROM COLD TEMPERATURE IN THE HOLD OF THE AIRCRAFT, IN CUSTOMS SHEDS, OR IN ANY OTHER WAYS DURING TRANSIT.

THERE IS NO MAGIC CURE FOR CELL COLLAPSE. IT MAY TAKE SEVERAL NEW LEAVES BEFORE

THE PLANT GROWS A 'CLEAN' ONE. ON A CONTAMINATED PLANT, EVEN THE SPIKE CAN DISCOLOUR AND MAY BE UNSUITABLE FOR STEM PROPAGATION, ALTHOUGH I HAVE YET TO ESTABLISH THAT. IT IS MY OPINION THAT IF YOU SUSPECT A PLANT HAS MESOPHYLL CELL COLLAPSE, IT MAY HELP THE PLANT RECOVER BY NOT LETTING IT FLOWER. IN MY EXPERIENCE, MESOPHYLL CELL COLLAPSE DOES NOT AFFECT ROOT GROWTH.

I HAVE HAD MANY GROWERS, INCLUDING DEALERS, ASK ME WHAT IS WRONG WITH THEIR PLANTS WHEN THE LEAVES START TAKING ON A DISTURBING APPEARANCE. THEY SEEM AS BAFFLED BY MESOPHYLL CELL COLLAPSE AS I ONCE WAS. I HOPE THIS ARTICLE HAS THROWN SOME LIGHT ON THIS VERY FRUSTRATING PHAL AILMENT

*THERE IS NO MAGIC
CURE FOR CELL
COLLAPSE*

