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October 2008

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The 2008 **CSPP-SCPV Eastern Regional Meeting and Plant Development Workshop** combined meeting will be held at the University of Toronto and the Royal Ontario Museum, on December 5 and 6, 2008. Further details are provided on page 13

## MESSAGE FROM THE PRESIDENT

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Those who were able to attend, I think, will agree with me that the celebration of the 50<sup>th</sup> anniversary of our society in Ottawa this June exceeded all our expectations. Over 320 people attended the meeting and participated in a program that included 18 plenary speakers, 32 speakers at concurrent sessions and 150 posters. We heard many excellent talks on recent developments in plant science and learned about the critical role that the knowledge plays in solving some of the major issues for our planet, namely the security of our food supply, meeting our energy needs and the global environment. The sessions were inspiring and thought provoking.



Of course, we owe a huge dept of gratitude to the local organizing committee including: John Arnason (co-chair) and Brian Miki (co-chair), Christiane Charest, Douglas Johnson, Susan Aitken, Tim Xing, Leo Savitch and the 26 student volunteers who planned an engaging program and orchestrated a superb meeting. The local organizing committee also raised almost half the cost of running the meeting through sponsorships; we are grateful for the support from: the University of Ottawa, Carleton University, BioChambers, Monsanto, Pioneer, Canadian Food Inspection Agency, NRC-Plant Biotechnology Institute, Monsanto, Natural Resources Canada, NRC Research Press, Nikon, Hoskin Scientific, Qubit Systems, Agrisera, and Fisher Scientific.

As I indicated in some opening comments to the meeting, the CSPP has much to celebrate. We find ourselves after 50 years to be a robust and vibrant organization, with a good membership base. This positive outlook is not only based on the membership numbers, but it is reflected in the diversity of experience that members have with the society. Our membership includes founding and emeritus members, members like me who have been with the society for the length of their scientific career (over 30 years) and new student members. This mix of experience is really the best proof that the society has been able to reinvent itself to include new developments in plant science and yet has remained true to its founding principles to

continue to engage those who started many years ago.

An anniversary is a time to look to the past and remember the visions that founders and early members had for our society. Therefore, it was wonderful to have had the opportunity to acknowledge in person the importance of the work that emeritus and founding members have done for the society. Amazingly, a number of founding and emeritus members are still active. Your continuing participation inspires us all.

I would like to thank especially Connie Nozzolillo. She continues to serve as the Society Archivist. But she is not only interested in collecting and preserving Society artefacts for the future, she has been active in constructing the narrative. We are very grateful that she took on the task of writing the history of the second 25 years of the Society. Conference participants received Connie's "The Second Twenty-Five Years" in their registration material. It is a wonderful account of how the CSPP has continued to meet challenges and opportunities since the first 25 years, that were chronicled by Paul Gorman and RGS Bidwell. (The Second Twenty-Five Years is currently available on the CSPP website).

At the other end of the spectrum we look to the students and postdoctoral fellows who attended the meeting to take care of the future of the society. I encourage you to remain involved in our society to ensure its continued success. We also want you to get involved in society at large, so that plant science continues to evolve to meet the challenges that the ever greater human population places on the resources of this planet. It was wonderful to have been in a position as a society to be to support the travel of 35 students to the meeting.

A highlight for me was the opportunity to officiate at the banquet awards ceremony. The CSPP presented President's Awards for the best student presentations, the Ibrahim Award for best student published article, the C.D. Nelson Award for outstanding young researcher, the Gleb Krotkov Award which recognizes service to the Society and scientific participation at meetings, the inaugural Ann Oaks Doctoral Scholarship, and were treated to the Gold Medal address at the banquet (further details are found below). A special thanks to Mary Spencer, a founding member and former president of the CSPP, for making the presentations to the students who won the President's awards at the banquet.

I believe that the anniversary celebration reminded us of the importance and value of the annual meetings for the CSPP-SCPV. After all, society is in our name. In the Canadian context the distances are great and our meetings are an important means to develop our human capital and build a shared vision. We need to be able to listen to those who speak from experience to help us judge what is truly ground breaking or simply the flavour of the month and we need to encourage the student members to share their enthusiasm for new approaches and emerging fields.

As we launch into the next 50 years I wish everyone success with their science and scientific collaborations.

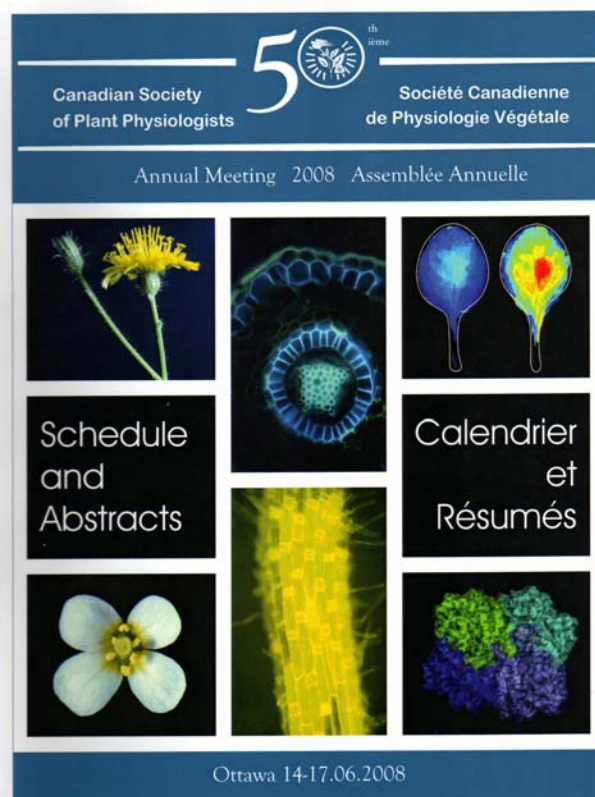
Peter Pauls  
CSPP-SCPV President

## CSPP-SCPV 2008 – THE 50<sup>TH</sup> ANNIVERSARY MEETING OF THE SOCIETY

The 50<sup>th</sup> Anniversary of the Canadian Society of Plant Physiologists was marked at the University of Ottawa in a showcase of the finest in Canadian plant science amidst the stunning national landmarks. Over 300 participants enjoyed the historic campus for the main venue and took advantage of the strategic location for strolls along the canal, sightseeing of parliament and dining in the By Ward Market. Marking the Anniversary, and in keeping with the theme of honouring our pioneers, Constance Nozzolillo published and distributed a history of the society's "Second Twenty-Five Years". One pioneer, in particular, Anthony Glass presented his Gold medal address atop the roof of the National Arts Centre, where he explained how phytochemical glory was derived from "pissing about with positrons, plasmids and phertilizers." The other theme of the conference, "problems of the future", was emphasized in plenary sessions on bioenergy, natural health products, development, communication in cells, communication with micro-organisms and plants in new environments. Reflecting the highly successful fund raising efforts of the hosts, the diversity of plenary speakers would have to be the strongest seen in years. Rounding out the conference were contributions from eight regular symposia of speakers and 139 posters that were presented in the attractive setting of the Tabaret Chapel. The

Conference wrapped up with a tour of Ottawa's agricultural research station at the storied Central Experimental Farm. As promised the meeting was an enjoyable scientific milestone for the CSPP membership and congratulations are in order for the Co-Chairs, John Arnason and Brian Miki, and their organizational team, for making this happen. We look forward to marking more such occasions in the next 50 years, starting with CSPP-SCPV 2009 at Simon Fraser University.

Neil Emery – Eastern Regional Director



Chief co-organizers John Thor Arnason and Brian Miki address the audience at the opening ceremonies.





*Brian Miki makes an announcement.*



*Co-chief organizer John Thor Arnason (centre) and a picture of some of the small army of members of the local organizing committee and volunteers who made the conference a huge success. To John's left is Brian Miki (co-chief organizer). Also in the photo are other members of the local organizing committee: Christiane Charest is on the far left of the front row, Tim Xing is third from the right in the back row, and Susan Aitken is directly behind John.*



*Brian Miki and two of the volunteers from the registration desk.*

## SCENES FROM THE ORAL PRESENTATIONS



*Society Archivist Connie Nozzolillo (Univ. of Ottawa) talking about the "genealogy" of Canadian plant physiology, while holding up copies of her recently completed "History of the Second 25 Years of the CSPP".*



*Richard Dixon (Noble Foundation) describes how lignin modification may lead to improved bioenergy crops.*



*David Layzell (Univ. of Calgary) talks about sustainable bioeconomy systems.*



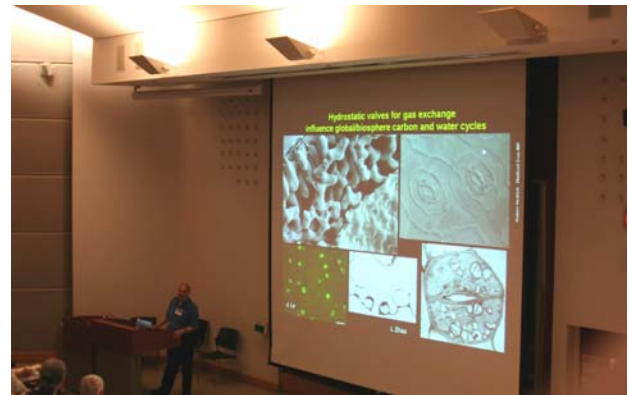
*Fred Davis (Texas A&M) talks about growing lettuce in space.*



*Steven Huber (USDA ARS) talks about the functions of 14-3-3 proteins.*



*Norman Lewis (Washington State Univ) talks about plant natural products and society.*



*Fred Sack (UBC) describes what's new in stomate research.*



*Shannon Cowan (UBC) describes her work on bioproduct crop plant improvement*

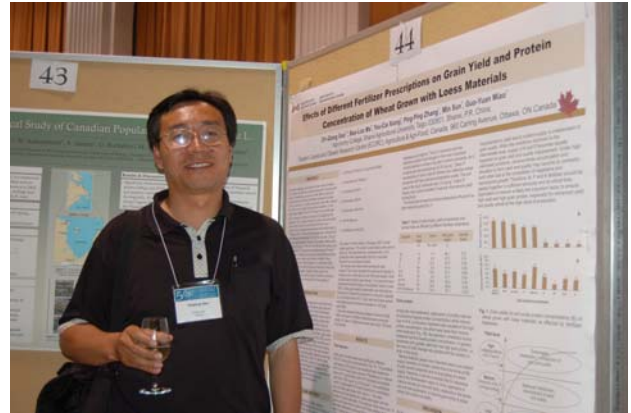


*Enrico Scarpella (U of Alberta) describes leaf vascular pattern formation.*



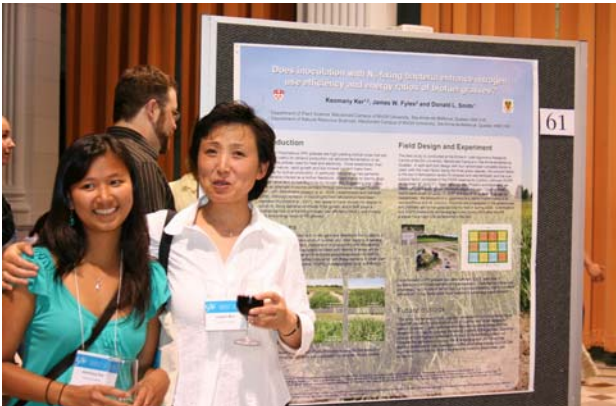


David Bergvinson (Global Development, Bill & Melinda Gates Foundation) delivers the 50<sup>th</sup> Anniversary Lecture - "World food crisis: Agricultural development and the role of science."

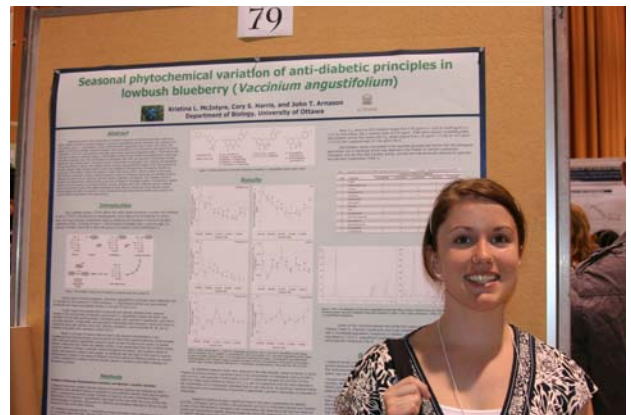


Zhi-Qiang Gao (AAFC and Shanxi Agr. Univ.) works on effects of different fertilizers on wheat growth.

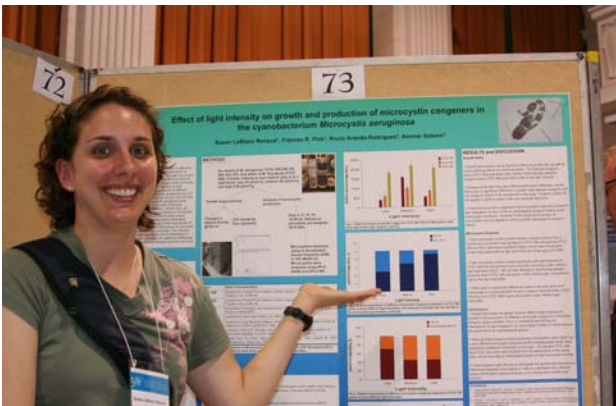
## SCENES FROM THE POSTER SESSION



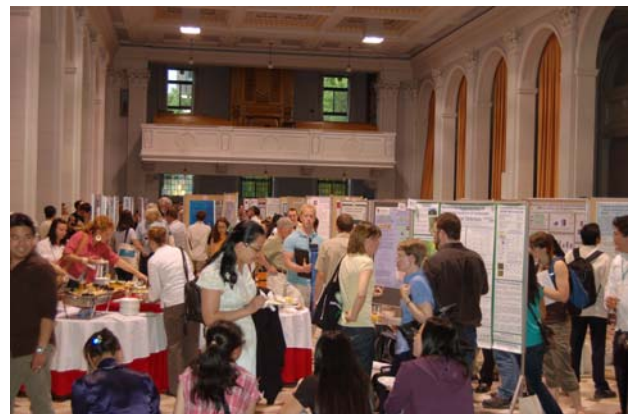
Keomany Kerr (McGill Univ.) shows her poster to JingQin Mao (Univ of Ottawa).



Kristina McIntyre (Univ. of Ottawa) standing by her poster about blueberry phytochemistry.



Susan LeBlanc Renaud (Univ. of Ottawa) describes her work with cyanobacterial toxins.



The poster session was extremely well-attended.



*There was lots of good food at the poster session!*

## CSPP-SCPV AWARDS

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### GLEB KROTKOV AWARD

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The Gleb Krotkov award was established to recognize outstanding service to the Society, both in administration and in scientific contributions to annual meetings. Among his many accomplishments, Professor Krotkov (1901– 968) pioneered in the use of isotopes to study intermediary metabolism in plants, was made a Fellow of the Royal Society of Canada; awarded the Flavelle Medal in 1964, and was the first foreign scientist to serve on the editorial board of *Plant Physiology*.

This year's winner of the Gleb Krotkov Award is Dr. Derek Bewley, Professor Emeritus at the University of Guelph. Derek is a long-time member of the CSPP and a long-time major contributor to the Society.

He has served on almost every committee of the CSPP/SCPV (some several times) and served as Western Regional Director, Secretary and President of the executive. has twice served on the Meeting Site Committee (including acting as Chair), served on the Nominating Committee no less than five times (including as Chair), has served as a Senior Director three times, served on the Publications Committee, on both the C.D. Nelson and Society Medal Committees (and chaired both) and has helped organized several CSPP conferences and workshops at conferences. In addition to his history of service to the Society, Prof. Bewley has also assembled a formidable scientific record, with over 200 publications, an ISI "highly cited" ranking, and is

a past winner of the Society Medal. He and his students, post-doctoral fellows and co-workers have made 135 scientific presentations (and counting) at CSPP meetings. In summary, Prof. Bewley has a long history of both service and scientific contributions to the CSPP, and is richly deserving of the Gleb Krotkov Award.



*President Peter Pauls presenting the Gleb Krotkov Award to Derek Bewley at the banquet.*

### C.D. NELSON AWARD

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The C.D. Nelson Award is a monetary prize established in 1977 to recognize outstanding early career research contributions to plant physiology in Canada. Special consideration is given to originality and independence of thought. Nominees shall have been in an independent, full-time research position for no more than 10 years.

The winner of the 2008 C.D. Nelson Award is Dr. Jörg Bohlmann of the University of British Columbia. Jörg is an internationally recognized leader in forestry genomics and plant natural products biology. His research program has been focused on the defense and resistance mechanisms of conifers against insect pests and insect-associated fungal pathogens. He was appointed a NSERC Steacie Memorial Fellow and awarded the Charles A. McDowell Award for Excellence in Research by UBC in 2006. Jörg is currently project leader of the Treenomix–Conifer Forest Health project.





*Peter Pauls presenting the C.D. Nelson Award to Jörg Bohlmann at the banquet.*

In addition, he was a co-investigator in the GrapeGen project also funded by Genome Canada, Genome BC, and Genome Spain. Jörg's group has published extensively in high-impact journals such as *The Proceedings of the National Academy of Sciences USA.*, *The Journal of Biological Chemistry*, *The Plant Cell*, *The Plant Journal*, and *Plant Physiology*. Jörg has more than 70 peer-reviewed research papers, over 50 of them in the last five years, and at least 120 conference abstracts on conifer defenses, tree genomics, bark beetles and associated fungi, plant secondary metabolism, plant-insect interactions and natural products biochemistry. Jörg's research interests in plant natural products focus on the molecular biochemistry and functions of terpenoid chemical defenses in conifers and those involved in fruit flavour biochemistry of wine grapes. At the international level, he has extensive collaborations on the molecular biochemistry of bark beetle pheromone biosynthesis and genomics of the MPB-associated blue-stain fungus, *Ophiostoma clavigerum*. In collaboration with Steven Siebold of the USDA Forest Service he discovered that male MPBs have an inducible monoterpene synthase activity that converts 3H-geranyl diphosphate into the signalling pheromone 3H-myrcene. In collaboration with Natalia Dudareva at Purdue University, his lab contributed to the discovery of floral scent genes in snapdragon (*Antirrhinum majus*). The Canadian Society of Plant

Physiologists congratulates Jörg on this most recent recognition of his remarkable accomplishments.

## RAGAI IBRAHIM AWARD

The Ragai Ibrahim Award is a monetary prize for a peer reviewed paper by a student member of the CSPP-SCPV. Ragai was the winner of the Society's Gold Medal in 2005. Nominated papers are evaluated on their impact or potential impact on plant science. The nominee must be the first or primary author of the work, and the paper must be based on work that the nominee performed as a student.

The 2007 Ragai Ibrahim Award for best student paper has been awarded to Sam Gennidakis of Bill Plaxton's group at Queen's University. Sam's project concerns the characterization of a phosphoenolpyruvate carboxylase that has both bacterial- and plant-type polypeptides.

His work was published in *Plant J* in December 2007: Gennidakis S, Rao S, Greenham K, Uhrig RG, O'Leary B, Snedden WA, Lu C, Plaxton WC. (2007) Bacterial- and plant-type phosphoenolpyruvate carboxylase polypeptides interact in the hetero-oligomeric Class-2 PEPC complex of developing castor oil seeds. *Plant J.* 52:839-49.

The work established that two classes of phosphoenolpyruvate carboxylase (PEPC) sharing the same 107-kDa catalytic subunit (p107) were previously purified from developing castor oil seed (COS) endosperm. The association of p107 with an immunologically unrelated 64-kDa polypeptide (p64) causes pronounced physical and kinetic differences between the Class-1 PEPC p107 homotetramer and Class-2 PEPC p107/p64 hetero-octamer. Tryptic peptide sequencing matched p64 to the deduced C-terminal half of several bacterial-type PEPCs (BTPECs) of vascular plants. Immunoblots probed with anti-(COS p64 peptide or p107)-IgG established that: (i) BTPEC exists in vivo as an approximately 118-kDa polypeptide (p118) that is rapidly truncated to p64 by an endogenous cysteine endopeptidase during incubation of COS extracts on ice, and (ii) mature and germinated COS contain Class-1 PEPC and p107, but no detectable Class-2 PEPC nor p118. Non-denaturing PAGE, in-gel PEPC activity staining and immunoblotting of developing COS extracts demonstrated that p118 and p107 are subunits of the non-proteolysed approximately 910-kDa Class-2 PEPC complex. As total PEPC activity of clarified COS extracts was



unaffected following p118 truncation to p64, the BTPC p118 may function as a regulatory rather than catalytic subunit of the Class-2 PEPC. Moreover, recombinant AtPPC3 and AtPPC4 (Arabidopsis orthologs of COS p107 and p118) expressed as active and inactive PEPCs, respectively. Cloning of cDNAs encoding p118 (RcPpc4) and p107 (RcPpc3) confirmed their respective designation as bacterial- and plant-type PEPCs. Levels of RcPpc3 and RcPpc4 transcripts generally mirrored the respective amounts of p107 and p118. The collective findings provide insights into the molecular features and functional significance of vascular plant BTPCs.



*Bill Plaxton accepting the Ibrahim Award on behalf of Sam Gennidakis, from Peter Pauls, at the Society banquet.*



*Peter Pauls, Ragai Ibrahim and Bill Plaxton at the Banquet.*

## ANN OAKS DOCTORAL SCHOLARSHIP

The Ann Oaks Doctoral Scholarship is named in honour of the late Dr. B. Ann Oaks, a long-time member of the CSPP-SCPV. Ann's research focused on plant nitrogen metabolism, especially in maize seedlings. She was a fellow of the Royal Society of Canada, and a recipient of the Society (Gold) Medal from the CSPP-SCPV.

The Oaks Scholarship is valued at \$21,000 per year and potential candidates for the first scholarship were identified with the aid of NSERC, as part of the NSERC post-graduate awards (PGS) program.

The holder of the inaugural Oaks Doctoral Scholarship is Mr. Yousef Chebli. Yousef is a PhD student working with Anja Geitmann at the Institut de recherche en biologie végétale of the Université de Montréal. His PhD project is entitled:

"Paramètres géométriques et structuraux du tube pollinique d'*Arabidopsis thaliana*." And his publications include:

Chebli Y, Geitmann A. 2007. Mechanical principles governing pollen tube growth. *Functional Plant Science and Biotechnology* 1: 232-245.



*CSPP-SCPV President Peter Pauls officially bestows the Oaks Doctoral Scholarship on Yousef Chebli, at the Society Banquet.*

## SOCIETY (GOLD) MEDAL ADDRESS



*Ann Oaks at the 2004 CSPP conference at the University of Guelph. Photo by Connie Nozzolillo.*

The Oaks Scholarship Committee would like to gratefully acknowledge the tremendous assistance of NSERC in helping to identify the inaugural holder of the scholarship. NSERC's Robert Courchaine was especially important in managing this process.



*NSERC's Pierre Bilodeau making an announcement about the Oaks Scholarship. Pierre is also the former Secretary of the CSPP.*

Harold Weger  
Chair, Ann Oaks Scholarship Committee

Last year Dr. Anthony (Tony) Glass, Professor Emeritus at the University of British Columbia, was awarded the Society Medal (see October 2007 Bulletin for details). Among his many accomplishments, Tony's group was the first to characterize nitrate and ammonium transporters in plants and among the first to identify genes that encode these transporters.

By tradition, the winner of the medal presents a special lecture at the following year's CSPP-SCPV annual conference. Tony delivered his lecture, entitled "Pissing Around with Positrons, and Phages and Phertilizers", at this year's Society Banquet.



*Title slide from Tony Glass' Society Medal presentation.*



*Society Medal winner Tony Glass (centre) at the banquet, with Marg Glass and Rob Ireland.*



## CSPP-SCPV PRESIDENT'S AWARDS

Best poster award: **Edith Lafleur**, Université de Montréal.

Ovule development and pollen tube guidance are affected in the *Solanum chacoense* MAPKKK ScFRK1 mutant.

Edith's poster presentation described research aimed at defining a biological function for the *Solanum chacoense* Fertilization-Related Kinase 1, a mitogen-activated kinase kinase kinase (MAPKKK) (ScFRK1) that is expressed specifically in ovules. She investigated the phenotype of plants downregulated for ScFRK1 expression, and found that they are sterile and produce ovules that are impaired in attraction of pollen tubes, implicating ScFRK1 in generation of a pollen guidance signal in ovules. The poster was presented in a very well organized fashion, with clear statements of background, hypotheses, experimental results. The poster highlighted the novelty of the findings, and was visually appealing. Edith was enthusiastic and articulate in presenting her poster to the judges.



*Mohamed Hijri accepts a cheque from former CSPP-SCPV President Mary Spencer on behalf of Edith Lafleur, winner of the President's Award for best poster presentation.*

Best oral presentation: **Brenden A. Hurley**, Queen's University.

The purple acid phosphatase AtPAP26 is required for efficient acclimation of *Arabidopsis thaliana* to nutritional phosphate starvation.

Brenden presented results from his research on a new mechanism of inorganic phosphate (Pi) acquisition and scavenging by plants under phosphate limiting conditions. This work, carried out *Arabidopsis*, has fundamental implications for the engineering or selection for Pi-efficient crops

and improved crop productivity. A central finding was that the *Arabidopsis* purple acid phosphatase, AtPAP26, plays a key and critical role in Pi acquisition and growth under Pi limiting conditions. Brenden used a suite of incisive tools from genetics to biochemistry and physiology in this work. His talk was well structured, outlining the background and importance of the research area, the hypothesis he tested regarding the role of AtPAP26, and his results that support the hypothesis. The talk was presented in an accessible, clear, and concise manner with well constructed slides and data presentations.



*Mary Spencer presents a cheque to Brenden Hurley for the President's Award for best oral presentation.*

Carl Douglas  
Vice-President

## MORE PHOTOS FROM THE 50<sup>TH</sup> ANNIVERSARY CONFERENCE



*Former CSPP President Mary Spencer (left) and Society Archivist Connie Nozzolillo (right) at the opening mixer.*





*The exhibitor's hall was a busy place.*



*A scene from the opening mixer.*



*Inside at one of the many oral presentations.*



*President Pauls presides over the ABM.*



*Peter Pauls wields the gavel at the ABM.*



*Inside the tent at the official banquet.*



*The banquet was held in an elegant tent atop the National Arts Centre.*



*Outdoors at the banquet.*



*Part of the post-conference tour of ECORC and the Central Experimental Farm of Agriculture and Agri-Food Canada.*

**Photo acknowledgements:** the vast majority of the photos from the 50<sup>th</sup> anniversary conference were taken by **Chieu Anh Ta** and **Vickie Fillion**.

## EASTERN REGIONAL MEETING

### 2008 CSPP Eastern Regional Meeting <http://PDW-CSPP-ERM-2008.notlong.com>

Canadian Society of Plant Physiologists Eastern Regional Meeting AND Plant Development Workshop (**combined meeting**) December 5th and 6th, 2008, at the Royal Ontario Museum / University of Toronto

The 2008 Eastern Regional Meeting of the Canadian Society of Plant Physiologists will again be a combined meeting the Plant Development Workshop, and will be jointly hosted at The University of Toronto (U of T) and the Royal Ontario Museum (ROM) on the evening of Friday December 5th, and all day on Saturday December 6th.

We are pleased and excited to be the hosts for this year's meeting, primarily because we have arranged an outstanding group of keynote speakers, but also because we have an exciting program arranged at the ROM and University of Toronto. The speakers are Professors Jen Sheen (Harvard Medical School), Quentin Cronk (University of British Columbia) and Michael Emes (University of Guelph).

Traditionally, the regional meetings of the CSPP membership are student oriented and we hope that many graduate students will have the opportunity to attend. Discounted registration fees are available for student registrants and CSPP members.

#### Registration fees:

Student Member: \$60.00  
 Student Non-Member: \$80.00  
 Regular Member: \$120.00  
 Regular Non-Member: \$160.00

Registration fees cover attendance at all aspects of the meeting, including a gala at the ROM featuring keynote speaker Quentin Cronk on the evening of Friday December 5th (includes free admission to the ROM and a mixer at the ROM), as well as all seminar and poster presentations plus free lunch at U of T on Saturday December 6th. An announcement for online registration will appear very soon. We hope to see you in Toronto in December!

#### Co-organisers:

Malcolm Campbell (University of Toronto)  
 Tim Dickinson (Royal Ontario Museum)



## CSPP-SCPV 2009

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We would like to invite you to the next annual CSPP meeting which will take place at Simon Fraser University, British Columbia June 12-15, 2009. SFU is located in a picturesque setting on top of Burnaby Mountain a 30-minute drive east of Vancouver. While the highly successful 50<sup>th</sup> anniversary 2008 meeting reflected on the past, the 2009 meeting will look to the future of plant physiology in Canada. As such we encourage you all to consider joining us next year and we especially hope that students and postdocs, who represent our next generation of plant physiologists, will attend. Housing will be available in affordable dormitories and hotel rooms at SFU and in nearby Burnaby. We are also planning a dinner cruise in the Georgia Strait as well several exciting excursions of botanical interest in the Vancouver area. The meeting is organized by Sheryl Bisgrove ([sbisgrove@sfu.ca](mailto:sbisgrove@sfu.ca)), Aine Plant ([aplant@sfu.ca](mailto:aplant@sfu.ca)), and Jim Mattsson ([jmattsso@sfu.ca](mailto:jmattsso@sfu.ca)) from SFU, with support from Jin-Gui Chen, Soheil Mahmoud, Lacey Samuels and Geoffrey Wasteneys at University of British Columbia. We look forward to seeing you at SFU in June 2009!

## TREASURER'S NOTES

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Membership renewal time is again upon us. As in the recent past, Society members may renew their memberships for one, two or three years. Renewal forms are mailed to all current members, and are also available on the CSPP-SCPV web site. Membership renewals received in the remainder of 2008 will also count for 2009.



The membership renewal form also has space for donations to the Duff Student Travel Fund and the Oaks Scholarship Fund. The Society collects approximately \$1000 annually in donations to the Travel Fund, and has awarded approximately \$6000 per year for student travel to the national conference in recent years, and a record \$10,000 was allocated to CSPP-SCPV 2008. The Travel Fund has clearly been well-used!

Harold Weger, Treasurer

## NOMINATIONS FOR CSPP AWARDS

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The Canadian Society of Plant Physiologists invites nominations for its major awards to be presented at the Society's annual meeting in 2008. The details concerning the nature of each award, eligibility and qualifications of the nominees as well as the procedure to be followed by the nominators are given in the appropriate By-Laws in the Society's Constitution, a PDF version of which can be downloaded from the web site of the society ([www.cspp-scpv.ca](http://www.cspp-scpv.ca)). These details, as well as lists of past recipients, are also included in the CSPP Membership Directory. The nominations for each award must be received by the Chair of the respective award committee (see addresses below) by March 31, 2008.

### The CSPP Medal (The Gold Medal)

The medal is awarded either for outstanding published contributions or for distinguished service to plant physiology, primarily in Canada (see By-Law 11). The nominations should be sent to: Dr. Deep Saini, Faculty of Environmental Studies, 200 University Avenue West, University of Waterloo, Waterloo, ON, N2L 3G1, email: [hsaini@fes.uwaterloo.ca](mailto:hsaini@fes.uwaterloo.ca)

### The C.D. Nelson Award in Plant Physiology

The Award is given for outstanding research contributions to plant physiology. Special consideration will be given to originality and independence of thought. Nominees shall have been in an independent, full-time research position for no more than 10 years (see By-Law 12). The nominations should be sent to: Dr. David Reid, Dept. of Biological Sciences, 2500 University Dr. NW, Calgary, AB, T2N 1N4, email: [dmreid@ucalgary.ca](mailto:dmreid@ucalgary.ca)

### The David J. Gifford Tree Physiology Award

The Award is given for outstanding research contributions in tree physiology, primarily in Canada. Special consideration will be given to originality and independence of thought (see By-Law 13). The nominations should be sent to: Dr. Shawn Mansfield, Dept. of Wood Science, Forest Science Centre, University of British Columbia, Vancouver, BC, V6T 1Z4, email: [shawnman@interchange.ubc.ca](mailto:shawnman@interchange.ubc.ca)



### The Gleb Krotkov Award of the CSPP

The Award is given for outstanding service to the Society, both in administration and in scientific contributions to annual meetings (see By-Law 14). The nominations should be sent to: Dr. Normand Brisson, Département de biochimie, C.P. 6128 Succursale Centre-Ville, Université de Montréal, Montréal, QC, H3C 3J7, email: [brisson@bcm.umontreal.ca](mailto:brisson@bcm.umontreal.ca)

### Ragai Ibrahim Award

Have you particular pride in one of your current students for the great paper she/he published this year? Do you know of a current student or a student who graduated in 2006/2007 who published an impressive paper in 2007? Give them further recognition for their great efforts by nominating them for **The Ragai Ibrahim Prize for best student paper**. The nomination is a simple process, you need only be a member of the Society. See the details below. Don't procrastinate, do it now! You'll get a great deal of pleasure out of their winning the award.

**Criteria:** A peer reviewed paper either in print or on line will be nominated by the supervisor of the student, and will be evaluated on the impact or potential impact that work will have on plant science. The nominated student will be the first or primary author of the work, and the paper must be based on work that the nominee performed as a student (graduate student or undergraduate). The nominee must be a member of the CSPP.

The award is based on the calendar year (January 1 to December 31). Nominations are due by January 31 of the following year. The nominee must be a student, or alternatively, have completed their graduate/undergraduate program no more than 12 months prior to the date of publication of the paper. Each year there will be one winner and an honorable mention.

**Nomination:** Send a PDF copy of the paper to the Chair of the Ibrahim Award Committee at [IbrahimAward@cspp-scpv.ca](mailto:IbrahimAward@cspp-scpv.ca) by **January 31, 2009**. Please include a brief summary of why the paper merits consideration for the award (100 words maximum), and indicate whether the nominee is still a student or whether they have completed their program (please indicate date of completion). The winner of the prize will be decided by March 1, and the winner will be notified. The award will be presented at the CSPP Annual Meeting.

**Value of Prize:** The winner will receive a framed certificate and a cheque for 350 dollars.

Rob Hill  
Chair of the Ragai Ibrahim Award Committee

## CANDIDATURES POUR LES PRIX DE LA SCPV

La Société canadienne de physiologie végétale vous invite à soumettre des candidatures pour les Prix de la Société qui seront remis lors du prochain congrès annuel en 2008. Les conditions d'éligibilité aux différents Prix (qualifications des candidats, procédures à suivre et caractéristiques des prix) sont décrits dans les Arrêtés de la Constitution de la SCPV. Une version PDF de la Constitution est disponible sur le site internet ([www.cspp-scpv.ca](http://www.cspp-scpv.ca)) de la Société. Ces détails ainsi que la liste des précédents récipiendaires est également disponible dans la 'Liste des Membres' de la SCPV. La date limite de réception des candidatures auprès des différents présidents des comités responsables de l'évaluation des candidatures (voir les adresses ci-après) est fixée au 31 mars 2008.

### La Médaille de la SCPV (La Médaille d'or)

La Médaille est décernée à un membre s'étant distingué soit par des publications exceptionnelles ou par ses services à la physiologie végétale, principalement au Canada (voir Arrêté no. 11). Les candidatures doivent être envoyées à: Dr. Deep Saini, Faculty of Environmental Studies, 200 University Avenue West, University of Waterloo, Waterloo, ON, N2L 3G1, courriel: [hsaini@fes.uwaterloo.ca](mailto:hsaini@fes.uwaterloo.ca)

### Le Prix C.D. Nelson en physiologie végétale

Ce Prix est décerné pour des contributions exceptionnelles à la recherche en physiologie végétale. Une attention particulière sera accordée à l'originalité et à la créativité des travaux. Les candidats doivent détenir un poste de chercheur indépendant, à temps plein, depuis moins de 10 ans (voir Arrêté no. 12). Les candidatures doivent être envoyées à: Dr. David Reid, Dept. of Biological Sciences, 2500 University Dr. NW, Calgary, AB, T2N 1N4, courriel: [dmreid@ucalgary.ca](mailto:dmreid@ucalgary.ca)

**Le Prix David J. Gifford en physiologie des arbres**

Ce Prix est décerné pour des contributions exceptionnelles à la recherche en physiologie des arbres, principalement au Canada. Une attention particulière sera accordée à l'originalité et à la créativité des travaux (voir Arrêté no. 13). Les candidatures doivent être envoyées à: Dr. Shawn Mansfield, Dept. of Wood Science, Forest Science Centre, University of British Columbia, Vancouver, BC, V6T 1Z4, courriel: [shawnman@interchange.ubc.ca](mailto:shawnman@interchange.ubc.ca)

#### Le Prix Gleb Krotkov de la SCPV

Ce Prix est décerné pour service exceptionnel rendu à la Société, autant dans l'administration de la Société qu'en termes de contributions scientifiques lors des congrès annuels de la Société (voir Arrêté no. 14). Les candidatures doivent être envoyées à: Dr. Normand Brisson, Département de biochimie, C.P. 6128 Succursale Centre-Ville, Université de Montréal, Montréal, QC, H3C 3J7, courriel: [brisson@bcm.umontreal.ca](mailto:brisson@bcm.umontreal.ca)

#### Le Prix Ragai Ibrahim

Êtes-vous particulièrement fier d'un article publié cette année par un de vos étudiants? Connaissez-vous un étudiant qui est toujours aux études ou qui a terminé en 2006/2007 et qui a publié un excellent article en 2007? Soumettez leur candidature pour le Prix Ragai Ibrahim afin que leurs efforts soient reconnus. La procédure est simple, ils leur suffit d'être membre de la SCPV. Voir détails ci-après. N'attendez pas, faites-le dès maintenant! Vous en tirerez certainement un plaisir immense si l'un de vos étudiants obtient le prix.

**Critères de Sélection.** Un article publié soit en version papier ou en ligne dans une revue avec comité de lecture peut être proposé par le superviseur de l'étudiant(e), et sera évalué quant à l'impact actuel ou potentiel que ce travail aura en biologie végétale. L'étudiant doit être premier auteur ou l'auteur principal du travail, et l'article doit être basé sur les travaux que le candidat a réalisés durant ses études (aux 1<sup>er</sup>, 2<sup>e</sup> ou 3<sup>e</sup> cycles). Le candidat doit être un membre de la SCPV.

Le prix est remis annuellement pour des articles publiés au cours de l'année précédente (1<sup>er</sup> janvier au 31 décembre). Les candidatures doivent être déposées au plus tard le 31 janvier de l'année suivante. Le candidat doit être étudiant ou avoir complété ses études de 1<sup>er</sup>, 2<sup>e</sup> ou 3<sup>e</sup> cycles moins de 12 mois avant la date de publication de l'article. Le comité identifiera un gagnant et une mention honorable à chaque année.

**Candidatures:** Une copie PDF de l'article doit être envoyé au président du Comité du Prix Ragai Ibrahim à l'adresse suivante: [IbrahimAward@cspp-scpv.ca](mailto:IbrahimAward@cspp-scpv.ca) au plus tard le **31 janvier 2009**. Cet envoi doit être accompagné d'un court texte expliquant pourquoi cet article devrait être considéré pour le Prix Ragai Ibrahim. De plus, veuillez indiquer si le candidat est toujours étudiant ou s'il a complété ses études (indiquer alors la date de fin des études). La décision sera prise le 1<sup>er</sup> mars et le gagnant en sera informé. Le prix sera remis lors du congrès annuel de la SCPV.

**Prix.** Le gagnant recevra un certificat ainsi qu'une bourse au montant de 350 dollars.

Rob Hill  
Président du Comité du Prix Ragai Ibrahim

## NEW BOOK

### Teaching Plant Anatomy Through Creative Laboratory Exercises

NRC Press has recently published a new book about teaching plant anatomy: "Teaching Plant Anatomy Through Creative Laboratory Exercises", by **R. Larry Peterson, Carol A. Peterson, and Lewis H. Melville** (both Larry Peterson and Carol Peterson are CSPP members). As well, NRC Press has graciously offered a **25% discount** on the purchase price to all CSPP-SCPV members for this book, and also for all other NRC books. To access the discount, members should identify themselves as a society member and request the 25% discount in the comments field if they are ordering online. The weblink to the plant anatomy book is: <http://pubs.nrc-cnrc.gc.ca/eng/books/books/9780660197982.html>



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## CSPP EXECUTIVE AND COMMITTEE MEMBERS FOR 2008-2009

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### EXECUTIVE

*President:*

Peter Pauls (Guelph) 2009

*Vice-President:*

Carl Douglas (British Columbia) 2009

*Secretary:*

Line Lapointe (Laval) 2010

*Treasurer:*

Harold Weger (Regina) 2010

*Communications Director/Bulletin Editor:*

Gordon Gray (Saskatchewan) 2009

*Western Regional Director:*

Soheil Mahmoud (UBC Okanagan) 2009

*Eastern Regional Director:*

Neil Emery (Trent) 2010

*Senior Director:*

Priti Krishna (Western Ontario) 2009

*Science Policy Director:*

Jon Page (NRC-PBI) 2010

*Education Director:*

Greg Moorhead (Calgary) 2009

*Student/PDF Representative:*

Allison McDonald (Western Ontario) 2010

*Past President:*

Rob Guy (British Columbia) 2009

### COMMITTEE MEMBERSHIP

Ann Oaks Scholarship Committee

Harold Weger (Regina) Chair 2010  
Elizabeth Weretilnyk (McMaster) Co-Chair 2010  
Frédérique Guinel (Wilfrid Laurier) 2012  
Sheila Macfie (Western Ontario) 2009  
Doug Campbell (Mt Allison) 2011  
George Espie (UT Mississauga) Advisor

Auditors

Ken Wilson (Saskatchewan) 2010  
Peta Bonham-Smith (Saskatchewan) 2010

C.D. Nelson Award Committee

David Reid (Calgary) 2009 Chair  
Daniel Matton (Montréal) 2010  
Barry Shelp (Guelph) 2011

Communications Committee

Gordon Gray (Saskatchewan) 2009 Chair  
Line Lapointe (Laval) 2010  
Michael Stasiak (Guelph) webmaster

David J. Gifford Tree Physiology Award Committee

Shawn Mansfield (British Columbia) 2009 Chair  
Chris Todd (Saskatchewan) 2010  
Janice Cook (Alberta) 2011

Education Committee

Greg Moorhead (Calgary) 2010 Chair  
Anja Geitmann (Montréal) 2009  
Ewa Cholewa (Nipissing) 2009

Gleb Krotkov Award Committee

Normand Brisson (Montréal) 2009 Chair  
André Laroche (AAFC-Lethbridge) 2010  
Bill Plaxton (Queen's) 2011

Meeting Site Committee

Carl Douglas (British Columbia) 2009 Chair  
Aine Plant (Simon Fraser) 2009  
Peta Bonham-Smith (Saskatchewan) 2010  
Lacey Samuels (British Columbia) 2011

Nominating Committee

Priti Krishna (Western Ontario) 2009 Chair  
Doug Muench (Calgary) 2009  
Robin Cameron (McMaster) 2011

Ragai Ibrahim Award Committee

Rob Hill (Manitoba) 2010 Chair  
Vince De Luca (Brock) 2010  
Jean Rivoal (Montréal) 2010  
Allison McDonald (Western Ontario) 2010

Society (Gold) Medal Award Committee

Deep Saini (Waterloo) 2009 Chair  
Daphne Goring (Toronto) 2010  
Rob Mullen (Guelph) 2011



## UPCOMING EVENTS

For additional or more recent postings, please see the CSPP/SCPV website at <http://cspp-scpv.ca/meetings-e.shtml>

**Plant Development Workshop &  
Canadian Society of Plant Physiologists  
Eastern Regional Meeting**

December 5<sup>th</sup> & 6<sup>th</sup> 2008  
Royal Ontario Museum  
University of Toronto

**Plenary Speakers:**  
Jen Sheen (Harvard)  
Quentin Cronk (UBC)  
Michael Emes (Guelph)

**Organisers:**  
Tim Dickinson  
[tim.dickinson@utoronto.ca](mailto:tim.dickinson@utoronto.ca)  
Malcolm Campbell  
[malcolm.campbell@utoronto.ca](mailto:malcolm.campbell@utoronto.ca)

<http://PDW-CSPP-ERM-2008.notlong.com>

## NOUVELLES DU SITE WEB DE LA SOCIÉTÉ

Nous avons travaillé activement cet été pour mettre en ligne un site web bilingue. La majeure partie des pages sont maintenant disponibles en version française. Je tiens à remercier Julien Jefferson, Frédérique Guinel et Michael Stasiak qui ont participé activement à la traduction et à la mise en ligne des documents. Je vous encourage à consulter ces pages et à me faire part de vos commentaires. Vous noterez que certaines sections n'ont pas été traduites, soit parce qu'il s'agit de documents volumineux (section Education) ou soit parce que ces sections sont composées essentiellement de liens vers des sites uniquement en anglais (par exemple la liste des congrès à venir).

Bonne lecture!

Line Lapointe  
Secrétaire de la SCPV

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## CONTRIBUTORS

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Peter Pauls	CSPP-SCPV President
Carl Douglas	CSPP-SCPV Vice-President
Line Lapointe	CSPP-SCPV Secretary
Gord Gray	CSPP-SCPV Communications Director and Bulletin Editor
Harold Weger	CSPP-SCPV Treasurer and Bulletin Guest Editor
Neil Emery	CSPP-SCPV Eastern Regional Director
Malcolm Campbell	Co-organiser of the 2008 Eastern Regional Meeting
Jim Mattsson	Co-organiser of CSPP-SCPV 2009
Rob Hill	Chair, Ragai Ibrahim Award Committee

**We welcome your comments and suggestions for future publications of the CSPP/SCPV News Bulletin. Please forward all your written material to Gordon Gray ([communication@cspp-scpv.ca](mailto:communication@cspp-scpv.ca)).**

**Next issue of the Bulletin will be April 2009.**