

BULLETIN

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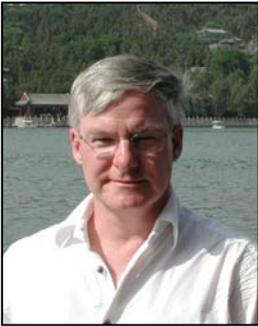
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Plant Canada 2007 will be held June 10-14 in Saskatoon, Saskatchewan. Be sure to attend the CSPP/SCPV awards luncheon and **Annual Business Meeting (ABM)** to be held from 12:00 noon to 2:30 pm on June 13th.

Mark it on your calendars and plan to attend!!

MESSAGE FROM THE PRESIDENT



One of the most heavily used books on my office shelf is the metric version of the “Dent’s Canadian School Atlas”. I’ve had this book for some time – the first edition was published in 1936; mine in 1977. Like any reasonable atlas it includes the usual geopolitical maps as well as maps of rainfall and winds, hyetal regions, major vegetation zones, and mean January and July temperatures. By comparing the last two sets of maps, any Canadian schoolchild can quickly see that major vegetation zones in our country are separated by July temperature differences of no more than a few degrees. For example, the northern and southern limits of Canada’s largest forest region, 1000 km across and stretching from coast to coast, are separated by a mere 5°C. To the south lie prairies or deciduous forest, to the north is tundra. This is the boreal forest, where it can easily take 200 years to grow a decent tree, but there’s not likely to be any ecosystem in Canada that can tolerate an increase in mean annual temperature of 5°C over less than 100 years and remain intact *in situ*. For Canadian latitudes, these kinds of temperature changes are well within projections of virtually every global circulation model, even under best case scenarios whereby increases in global average temperature are limited to 2-2.5°C above preindustrial levels. In their recent call to action [*Science* April 6, 2007], Rosina Bierbaum and Peter Raven, perhaps the world’s most prominent botanist, indicated that to achieve even this, that is to limit the damage to the scale of merely destroying the entire boreal

forest, requires that global greenhouse gas emissions stabilize at current levels by 2015 or 2020, and then decline “to no more than a third of that level by 2100”. Basically, no matter how successful we are at mitigating global climate change, we are already committed to huge ecosystem impacts and the potential loss of tens of thousands of plant species worldwide.

The social and scientific challenges are enormous. Within biology, climate change science has up to now largely focused on predicting or measuring the consequences of climate change on managed (e.g., agricultural) and unmanaged ecosystems and, to some degree, the human populations that depend on them. This task is far from complete but the next stage is already upon us; that is, to determine what can be done about it. Since 1998, BIOCAP Canada, an organization spearheaded by long-standing CSPP member Dave Layzell, has done a great deal to promote and support the plant biology community in this effort.

Because the root cause of climate change must be addressed, plant biology research towards improved carbon sequestration and the production of biofuels deserves very serious effort. Although it can only be a small part of the complete solution, it is nonetheless an important one. “Historical emissions dictate that climate change is unavoidable. And even the most optimistic emissions projections show global greenhouse-gas concentrations rising for the foreseeable future.” [Climate change 2007: Lifting the taboo on adaptation. R. Pielke et al. *Nature* 445:597-598] Hence, there is also considerable work to be done in adapting crops and agronomic systems to inevitable drought and climate-related biotic stresses. Although some predictions suggest that Canadian agricultural production may benefit if temperature increases are kept within 2 or 3°C, it’s not

clear to me that dryland farmers are keen to abandon their current lands, or that we can depend on mountain snowpacks and glaciers to supply water for irrigation, or if the Canadian Shield has adequate soil. Even so, in this respect I note that forests and other natural ecosystems are far more at risk than agricultural or urban ecosystems, where implementation strategies for mitigation or adaptation are relatively obvious. For these sustainability is not likely to be an option. Adaptation may be. As plant biologists we will need to undertake the basic and applied research needed to help respond to the gargantuan task of somehow retaining terrestrial ecosystems and all the biodiversity they contain; to develop the knowledge that will assist in their survival or movement.

We should not kid ourselves – an adequate climate change response is going to cost big time – but every year, every day we delay, the hit will become greater. How can we sustain any kind of economy, to ensure the health and welfare of our children, without the ecosystem resources that endow us? How can there be forestry without forests? Fisheries without fish? Agriculture without soil and water? How many tourists will visit a Canada whose gutted biodiversity has been replaced by common weeds?

The consequences seem painfully obvious, but what so far has been the response of our “new” government? It didn’t take them long to suspend financial support for BIOCAP, to further delay the critical research we need to inform policy and ultimately mitigate and adapt. For example, many NSERC-BIOCAP strategic projects have lost partial funding (fortunately NSERC saw fit to continue their contributions). Recently, however, there has since been a huge turnaround in government attitude towards the climate change crisis – and they at least now admit

that we have a problem. Still they don’t seem to really get it. It is absolutely clear that global emissions must be reduced in absolute terms. Because they permit increases in actual emissions, climate change policies based on reductions in “emission intensity” are immoral and reprehensible. Such is the policy of the conservative government.

To be fair we must acknowledge that the technology does not exist to accomplish much better. We need ideas. Canadians need choices. To meet the challenge we, all countries and all disciplines, must engage in a united research effort of unprecedented proportion. It’s a huge investment we can’t afford not to make. Can we count on our current leaders to come through? Not unless we do. We need to put the pressure on, more and more of it. We’ve been quietly telling students these things for 20 years or more, but frankly, we should be marching with them in the streets! Three weeks ago I attended the Vancouver “Step-it-up” rally for real climate action. Did the masses turn out? Not exactly – there were perhaps 150. But I was pleased, really pleased, because five were students from my Forestry class. I had an impact and I’m going to have a bigger one next year!

Rob Guy
President

TREASURER’S NOTES



Ann Oaks Doctoral Scholarship

The Oaks Board of Trustees has been working to come up with a mechanism to award the inaugural Ann Oaks

Doctoral Scholarship. The proposal below is a summary of what will be presented, as a motion to the CSPP membership at the June ABM in Saskatoon.

The Ann Oaks Doctoral Scholarship is named in honour of the late Dr. B. Ann Oaks, a long-time member of the CSPP-SCPV. The Scholarship was initiated by Dr. Ann Oaks via financial gifts to the Society. Additional donations have been made by CSPP-SCPV members. The purpose of the Scholarship is to provide financial support for a student to undertake PhD-level studies in plant biology at a Canadian university. The amount of the Scholarship is intended to be comparable to the PhD scholarships (PGS-D) awarded by NSERC. The explicit purpose of the Scholarship is to provide the full, or nearly full, annual stipend of a PhD student. Full details about the scholarship may be found in bylaw 16 of the CSPP-SCPV Constitution (available on the Society web site).

Dr. Oaks received a BA (Honours Biology) from the University of Toronto in 1951, and MA and PhD degrees from the University of Saskatchewan in 1954 and 1959, respectively. She was a faculty member in the Department of Biology at McMaster University from 1965 to 1989, and an adjunct faculty member in the Department of Botany at the University of Guelph from 1989 to 1999. She was Professor Emeritus at McMaster University, and in 2004 was awarded a DSc from McMaster. For most of her career Dr. Oaks' 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.

Proposal of the Oaks Board of Trustees for Awarding the First Oaks Scholarship

As of March 15, 2007, the Oaks Scholarship Fund, which is managed on behalf of the CSPP-SCPV by BMO Nesbitt Burns, contained approximately \$423,000. The goal of the Oaks Board of Trustees is to award the first scholarship in March 2008. The value of this scholarship will be \$23,000.

The Oaks Scholarship Fund is managed in a conservative manner, with low (but not zero) exposure to stock market fluctuations. The current rate of return on investment is just slightly below 5%. At the current rate of return of slightly under 5%, \$23,000 awards are not quite sustainable. However this picture may change as the financial climate changes. We propose to make the first award in March 2008, and we assume that the award will indeed be renewed for two more years (unless the scholarship holder drops out of his/her program, or is deemed to not have made sufficient progress). In other words, we are planning on three years worth of \$23,000 awards. At the end of three years we will make an assessment about whether we can immediately start the next cycle of awards, or whether we need to retain earnings for one to two years before starting the next cycle.

Identifying the First Scholarship Holder

The Oaks Board has given a lot of thought to his issue. Our recommendation is to use NSERC's scholarship adjudication system to help us identify potential scholarship winners. We have been in contact with NSERC about this matter, and they have been very helpful and are willing to help us identify potential candidates. Thus, our plan is to operate the Oaks competition in conjunction with the next NSERC PGS competition.

Harold Weger
Treasurer & Chair, Oaks Board of Trustees

MESSAGE FROM THE COMMUNICATIONS COMMITTEE

NOTICE OF MOTIONS

Appended to The Bulletin are a series of motions that will be voted at the next ABM to be held on June 13, 2007 in Saskatoon. According to the CSPP Constitution, these motions need to be published in the Bulletin of the Society at least three weeks prior to the ABM.

If you cannot attend the ABM, you can appoint a CSPP member as proxi. The proxi form is available on the CSPP web site under 'Documents and Forms', and need to be faxed or mailed to the CSPP Secretary by June 1, 2007.

AVIS D'AMENDEMENT À LA CONSTITUTION

Vous trouverez ci-après une série d'amendements qui seront votés lors de la prochaine assemblée générale, le 13 juin 2007 à Saskatoon. Selon la Constitution de la SCPV, ces amendements doivent être publiés dans le Bulletin de la société au moins trois semaines avant l'assemblée générale annuelle.

Si vous êtes dans l'impossibilité d'assister à l'assemblée générale annuelle, vous pouvez mandater un membre de la SCPV pour agir et voter en votre nom. Le formulaire de procuration est disponible sur le site web de la SCPV sous l'onglet 'Documents and Forms'. Le formulaire doit être posté ou envoyé par télécopie à la secrétaire de la SCPV avant le 1 juin 2007.



Line Lapointe
Secretary

Plant Canada 2007

Plant Canada 2007 is approaching quickly and will be held in Saskatoon, Saskatchewan from June 10-14, 2007. The Local Organizing Committee has been hard at work to make this meeting a success and has come up with a fantastic scientific and social program. The CSPP/SCPV is well represented at this meeting, having the largest number of registrants of all the member societies participating.

The Society is co-hosting (with the CBA) an Education in Action session and has organized two mini-symposia. The first deals with Plant Natural Products and will be moderated by Patrick Covello. Speakers include: **Mark Bernards**, *Department of Biology, the University of Western Ontario*, The structure, functions and biosynthesis of suberin; **Jon Page**, *National Research Council of Canada, Plant Biotechnology Institute*, Dissecting the nicotine biosynthetic pathway using gene silencing; **Soheil Mahmoud**, *Departments of Chemistry and Earth & Environmental Sciences, University of British Columbia Okanagan*, Regulation of isoprenoid metabolism in medicinal plants. The second addresses Phloem and Long-Distance Signalling which will be moderated by Carol Peterson. Speakers include: **Robert Turgeon**, *Department of Biology, Cornell University*, How do molecules get into the phloem?; **Biao Ding**, *Department of Plant Cellular and Molecular Biology and Plant Biotechnology Center, Ohio State University*, Regulation of cell-to-cell and long-distance RNA trafficking; **Ewa Cholewa**, *Department of Biology, Nipissing University*, Phloem structure in *Eriophorum vaginatum* accommodates efficient nutrient recycling in nutrient-poor wetlands.

More information including a program schedule and list of poster titles is available for download on the Plant Canada 2007 website, accessible by following this link (<http://www.plantcanada.ca/2007.htm>).

Be sure to attend the ABM/awards luncheon as the membership will be voting on changes to the Constitution as well as elections for the CSPP/SCPV Executive and standing Committees. The presentation of some of the Societies most prestigious awards including the Society (Gold) Medal, the C.D. Nelson Award and the David J. Gifford Tree Physiology Award will occur at the luncheon. In addition, the Presidents' Awards for best student oral and poster presentations, as well as the new Ragai Ibrahim Award for best student paper (see later this issue) will also be presented.



Gordon Gray
Communications
Director/Bulletin Editor

REGIONAL MEETING UPDATE

Western Regional Meeting

The 2007 Western Regional meeting was hosted by UBC Okanagan in February in beautiful Kelowna, British Columbia. Beginning with the mixer on Thursday evening and continuing through to the Banquet on Saturday evening, the meeting was exceptionally enjoyable and productive, with plenty of opportunities to forge ties between western researchers. Presentations encompassed a range of topics including Metabolism, Genome Stability, Gene Expression, Stress

Responses, Rhizosphere Interactions, Plant Pathology and Development.



Members of the Kovalchuk lab (Lethbridge) unwind after a long day of talks and presentations at the Western Regional Meeting in Kelowna.

Student involvement in both poster and oral presentations was considerable. Best oral presentation was awarded to Mathias Schuetz (Simon Fraser University) for his talk on interactions between *MONOPTEROS* and *PINFORMED1* during vascular differentiation.



CSPP/SCPV Western Regional Director Elizabeth Schultz presents a cheque to Mathias Schuetz, winner of the Directors' award for oral presentation.

Best poster presentation was awarded to Raju Soolanayakanahally (University of British Columbia) for his poster on variation in ecophysiological traits in *Populus balsamifera*. The large number of excellent presentations in both categories made choosing award recipients difficult, and congratulations should be extended to all

students for the excellent quality of their presentations, and the enthusiasm they brought to their work.



CSPP/SCPV Western Regional Director Elizabeth Schultz presents a cheque to Raju Soolanayakanahally, winner of the Directors' award for poster presentation.

The CSPP would especially like to thank the organizing committee including Soheil Mahmoud (Department of Chemistry, Earth and Environmental Sciences, UBC Okanagan), Louise Nelson, Melanie Jones and Robert Lalonde (all from Department of Biology and UBC Okanagan) for an extremely well-organized, enjoyable and stimulating meeting.



Elizabeth Schultz
Western Regional Director

NEW CSPP/SCPV STUDENT AWARD

As a result of a kind donation from Ragai Ibrahim, the following annual student paper prize has been set up to recognize contributions to plant science. Please spread the word and especially let all

students know about this new award. It will be presented for the first time at Plant Canada 2007 during the CSPP/SCPV awards luncheon and ABM.

For additional details on the criteria of this award and nomination procedure see <http://cspv.ca> under News.



Greg Moorhead
Education Director

OBITUARY

Tribute to **Paul R. Gorham** (April 16, 1918- November 9, 2006), CSPP's First President.



The sad news of the death of the eminent Canadian plant physiologist, Paul Gorham, FRSC, in Edmonton, Alberta, on November 9, 2006 at the age of 88 was circulated to the CSPP membership on November 20,

2006. The following is a tribute to his memory.

Paul was a key force in the establishment of the Canadian Society of Plant Physiologists/La Société Canadienne de Physiologie Végétale. In the 1950s, he helped to organize a series of nine annual meetings of plant physiologists held at different Canadian universities that led to the society's formation. He was elected as the CSPP's first president in 1958. In that capacity, he nurtured the society's early connections with other Canadian and international scientific associations and helped plan the IXth International Botanical Congress held in Montreal.

Born in Fredericton, New Brunswick, Paul obtained his first degree at the University of New Brunswick in 1938, followed by a Master of Science at the University of Maine, Orono, Maine, USA in 1940. He then received a PhD in 1943 under the direction of Fritz Went at Caltech, Pasadena, California, USA, in a study of the growth factor responses of pondweed. At Caltech, he also served as a teaching assistant to the famous American plant physiologist Robert Emerson, discoverer of the 'Photosynthetic Unit' and later of the 'Emerson Enhancement Effect.'

In 1943, Paul returned to Canada where he was employed in his first full-time scientific position by Agriculture Canada at the Central Experimental Farm in Ottawa, Ontario. There he worked on the physiology of rubber-bearing plants as part of Canada's war effort. In 1945, he moved to the shores of the Ottawa River to take a position with the National Research Council of Canada (NRCC) where he worked on vitamin analysis of stored foods. In 1948, the NRCC was reorganized, and a new Plant Physiology Section was formed with K. A. Clendenning as head. Paul worked with Clendenning on the

photochemical activity of chloroplasts until Clendenning's departure in 1952. Paul then took over as head of the section and, with C. D. Nelson, M. J. Perkins, H. Clauss, D. C. Mortimer, J. A. Webb and P. Trip, continued research in photosynthesis and the related phenomenon of translocation. During this period, he became interested in water blooms and initiated a series of studies on the isolation and identification of toxins produced by cyanobacteria (blue-green algae).



Paul Gorham (L) and Wayne Carmichael (R) taken on a collecting trip near Vilna, Alberta in 1971. Photo provided by Dale Allen.

In 1969, he accepted a position as a full professor of botany at the University of Alberta in Edmonton, Alberta. There he continued his pioneering research on the translocation of photosynthetic assimilates and cyanobacterial toxins. He also took part in studies of submersed aquatic macrophytes in relation to thermal effluents. Paul served as chairman of the botany department from 1971 to 1979. He retired as emeritus professor in 1983.

Paul gave a great deal of his time to a range of professional associations and community activities. In addition to his involvement with the CSPP, he played a major role in the creation of the International Association for Plant

Physiology and the Canadian Botanical Association (CBA), and was awarded the Mary E. Elliott Medal in 1979 for services to the latter. In 1974, he was a co-organizer of the first of a series of international meetings on phloem translocation held in Banff, Alberta.

In Edmonton, Paul served on the Board of Directors of the Edmonton Art Gallery and the Board of Trustees of the Friends of the University of Alberta Devonian Botanic Garden for many years. He was a driving force behind the creation of the Garden's beautiful five-acre Kurimoto Japanese Garden, opened in 1990. For these and other contributions to his country, he was awarded the Canadian Centennial Medal in 1967 and the Queen Elizabeth Silver Jubilee Medal in 1978.

His scientific contributions, apart from a long list of publications (72) in established journals, were recognized by his election as a Fellow of the Royal Society of Canada in 1961, the bestowment of an honorary D.Sc. by his alma mater, the University of New Brunswick, in 1978, his election as a Fellow of the Rawson Academy of Aquatic Science in 1979, the awarding by the CSPP of its Gold Medal in 1987 and by the CBA of its Lawson Medal in 1988. He also served for ten years on the editorial board of the American Society of Plant Physiologist's journal, *Plant Physiology*.

Paul's publications include the historical review, "The first 25 years of the CSPP," co-authored with Tony Bidwell and available on the CSPP website (<http://cspp-scpv.ca> under Archives) as well as a thoughtful tribute to Gleb Krotkov, a pioneer of plant physiology in Canada. Paul was active right until the time of his final illness. At the request of Govindjee, he and Connie Nozzolillo co-authored 'Photosynthesis Research in Canada from

1945 to the early 1970s, published in *Photosynthesis Research* in 2006.

Edwin A. Cossins, FRSC, Emeritus Professor of Biological Sciences (Plant Biochemistry), University of Alberta writes about Paul:

"I joined the Department of Botany at the University of Alberta in 1962. I remember our elation when Paul Gorham decided to join us in 1968. By then he was one of Canada's most distinguished Plant Physiologists and a Fellow of the Royal Society of Canada. We have to thank the special efforts of Don Ross, who was Dean of Science, and Bill Stewart our Chairman for enticing Paul away from his senior position in Ottawa."

Paul quickly adapted to his new academic environment and played a key role with Larry Bliss and Jim Mayo in setting up the controlled environmental facilities for the new Biological Sciences building. Paul served as Chairman of the Botany Department (1971-1979), a period when his heavy administrative load and teaching duties did not compromise his research program. He had an active research group and several very promising students received their graduate degrees under his able supervision.



Lake Wabamum, Alberta in 1975/1976. From L to R; Irene Manton, Rick Haag, David Bealiveau and Paul Gorham. Photo provided by Michael Hickman.

Paul was a quiet, unassuming person who easily established lasting friendships. He was a scholarly gentleman with a very broad range of interests. His friends and colleagues in Edmonton are indeed saddened by his passing. His many contributions to our University, the Devonian Botanic Garden and to Canadian Plant Physiology however make it clear that he will be long remembered."

John Hoddinott (University of Alberta) completed his PhD with Paul in 1974 and followed Paul into the Botany Department in 1977. He still marvels at Paul's ability to accomplish so much with his time:

"Paul was a tireless worker and administrator. He was always supportive of his students and their work and the range of his interests attests to his time management skills. Despite the fact that he had three students working in very disparate areas Paul always had time to follow along with the research and provide the resources to get the work done. He had established a network around the U of A campus and when specific expertise was needed meetings would be set up with an expert from an appropriate department. I often wondered if Paul actually slept. At a NATO Advanced Study Institute on phloem translocation in Banff, Paul would talk into the early hours with researchers from around the world while this recently graduated student would have to crawl off to bed to recharge his batteries for the next day. I wish I had learned more about time management from Paul, or at least how to seemingly go without sleep."

Mary Spencer (Emeritus Professor of Plant Sciences, University of Alberta) writes:

"Dr. Gorham was a man of great intelligence and abilities, and at the same time humility. He gave much encouragement and support to others, and

was quietly sensitive to their needs. One could not ask for a more generous and understanding friend. In like manner, he willingly gave his time and energies to assisting in the development of professional organizations as well as the Botanic Garden and the Edmonton Art Gallery. Our lives are much richer because of Paul Gorham."

A deeply compassionate man, Paul was a generous friend and mentor to numerous graduate students, post doctoral fellows and colleagues over the years. Paul leaves his widow, Evelyn, three children, John, Arthur and Harriet, and five grandchildren, Katherine, Daniel, Megan, Graeme and Hannah.



Evelyn, Paul and Harriet Gorham in Jasper, Alberta in 2005. Photo provided by Hannah Gorham-Smith.

A memorial service was held at the Westwood Unitarian Congregation in Edmonton on Thursday, November 23, 2006. Memorial donations can be made to the Edmonton Cardiac Institute (111 Avenue & Groat Road, Edmonton, Alberta, T5M 3L7) or the University of Alberta Devonian Botanic Garden (Edmonton, Alberta, T6G 2E1).

Harriet Gorham &
Constance Nozzolillo, Retired Professor of
Biology, University of Ottawa

CANADIAN INITIATIVE

Canadian Plant Hormone Profiling Centre Initiative

A message from Peta Bonham-Smith, Andrew Ross and Sue Abrams, University of Saskatchewan and National Research Council, Saskatoon.

We are proposing to establish the Canadian Plant Hormone Profiling Centre as a national resource for plant hormone biology, to be located in Saskatoon. The Centre will offer hormone profile analyses, training and work shops in plant hormone research. Currently the NRC plant hormone profiling team can analyze more than twenty hormones and metabolites of cytokinins, auxins, GA and ABA in a single sample, with JA and SA analysis carried out separately. The technology is based on HPLC-MS/MS using isotopically labeled internal standards for quantitation (Chiwocha et al 2005 Plant J. 42: 35-48).

We are applying to NSERC for an Major Resources Support (MRS) grant and to Genome Canada for funding to develop and provide subsidized services in targeted plant hormone profiling technology NSERC funding will make hormone profiling available at a non-restrictive cost to ALL Canadian and international plant researchers. To date, we have had tremendous support from the Canadian and International plant biology research community. Please contact Peta Bonham-Smith bonhamp@usask.ca or Sue Abrams sue.abrams@nrc-cnrc.gc.ca to support our proposals to NSERC and GC and to find out more about services offered currently.

CSPP EXECUTIVE AND COMMITTEE MEMBERS FOR 2006-2007

EXECUTIVE

President:
Rob Guy (British Columbia) 2007

Vice-President:
Peter Pauls (Guelph) 2007

Secretary:
Line Lapointe (Laval) 2008

Treasurer:
Harold Weger (Regina) 2008

Communications Director/Bulletin Editor:
Gordon Gray (Sask) 2007

Western Regional Director:
Elizabeth Schultz (Lethbridge) 2007

Eastern Regional Director:
Malcolm (Toronto) 2008

Senior Director:
Priti Krishna (Western Ontario) 2007

Science Policy Director:
Barbara Moffatt (Waterloo) 2008

Education Director:
Greg Moorhead (Calgary) 2007

Student/PDF Representative:
Alexandra Reid (London) 2008

Past President:
Deep Saini (Montreal) 2007

COMMITTEE MEMBERSHIP

Ann Oaks Scholarship Committee
Harold Weger (Regina) Chair 2010

Elizabeth Weretilnyk (McMaster) Co-Chair
2010

Doug Campbell (Mt Allison) 2007
Frederique Guinel (Laurier) 2008
Sheila Macfie (Western Ontario) 2009
George Espie (UT Mississauga) Advisor

Auditors

Ken Wilson (Saskatchewan) 2007
Peta Bonham-Smith (Saskatchewan) 2007

C.D. Nelson Award Committee

Daphne Goring (Toronto) 2007 Chair
David Reid (Calgary) 2009
Peter Facchini (Calgary) 2008

Communications Committee

Gordon Gray (Saskatchewan) 2007 Chair
Line Lapointe (Laval) 2008
Michael Stasiak (Guelph) webmaster

David J. Gifford Tree Physiology Award Committee

Shawn Mansfield (British Columbia) 2009
Chair
Jocelyn Ozga (Alberta) 2007
Rob Mullen (Guelph) 2007

Education Committee

Greg Moorhead (Calgary) 2007 Chair
Anja Geitmann (Montreal) 2009
Ewa Cholewa (Nipissing) 2009

Gleb Krotkov Award Committee

Larry Fowke (Saskatchewan) 2007 Chair
Normand Brisson (Montreal) 2009
Dave Layzell (Queen's) 2008

Meeting Site Committee

Peter Pauls (Guelph) 2007 Chair
Peta Bonham-Smith (Saskatchewan) 2009
Aine Plant (SFU) 2009
Santosh Misra (Victoria) 2008

Nominating Committee

Priti Krishna (Western Ontario) 2007 Chair
Doug Muench (Calgary) 2009
John Greenwood (Guelph) 2007

Society (Gold) Medal Award Committee

Ed Yeung (Calgary) 2007 Chair
Deep Saini (Waterloo) 2009
Rob Ireland (Mt Allison) 2008

UPCOMING EVENTS

Plant Canada 2007

June 10-14, 2007
Saskatoon, Saskatchewan

<http://www.plantcanada.ca/2007.htm>



Plant Biology & Botany 2007

July 7-11, 2007
Chicago, Illinois

<http://www.aspb.org/plantbiology/>



The 8th International Plant Cold Hardiness Seminar

August 4-9, 2007
Saskatoon, Saskatchewan

<http://8ipchs.usask.ca/program.php>



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

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Greg Moorhead CSPP/SCPV Education Director
Harriet Gorham and Constance Nozzolillo
Peta Bonham-Smith, Andrew Ross and Sue Abrams

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)

**Next issue of the CSPP/SCPV Bulletin:
October 2007**

NOTICE OF MOTIONS

MOTION 1: AMEND BY-LAW 3 TO INCLUDE A DESCRIPTION OF THE NOMINATION PROCEDURE FOR THE STUDENT/PDF REPRESENTATIVE

Background: The position of student/PDF representative was added to the Executive in 2004. There was, however, no description added to the constitution of the procedure adopted to name this representative, which differs considerably from the procedure for other Executive positions.

The motion: It is moved that By-law 3 be amended to include this new article:

f) The Student/PDF Representative can be nominated or the student/postdoctoral member can nominate her/him self. Each nominee should provide a brief résumé and a brief statement of why she/he is interested in participating more actively in the CSPP (maximum of 100 words for both). Nominations should be sent to the Senior Director who will send out the call for nominations. Balloting will be conducted by e-mail among the student and postdoctoral members of the Society by the date chosen by the Senior Director. Although Executive Committee members pay their own expenses to attend the Executive Committee (CSPP) meetings, the Society contributes to the cost of attending the Annual General Meeting for the Student/Postdoctoral Representative up to a maximum to be determined by the Executive.

MOTION 2 AMEND BY-LAW 4 TO REFLECT THE NEW COMPOSITION OF THE EXECUTIVE

Background: There were major modifications to the composition of the

Executive in June 2004. Some of the articles in the Constitution still reflect the older composition and therefore need to be modified to better reflect the new situation, for example that one of the Senior Director positions has been eliminated. Furthermore, names of some of the positions were changed.

The motion: It is moved that By-law 4 be amended to read as follows (major changes highlighted):

a) The President shall hold office for two years and then assume the office of Past-President for two years. The Vice-President shall hold office for two years then assume the office of President. The Secretary and Treasurer shall hold office for two years, one of them being elected at each annual business meeting. The two Regional Directors shall each hold office for two years, one Regional Director being elected at each annual business meeting. The ~~two~~ Senior Directors, ~~shall each hold office for two years, one Senior Director being elected at each annual business meeting.~~ the Science Policy officer Director, the Bulletin-Editor Communication Director, the Education Director and the Student/PDF Representative shall hold office for two years and be elected at the Annual Business Meeting, except for the Student/PDF representative who will be elected by the student and PDF members by electronic vote (By-Law 3f).

MOTION 3 AMEND BY-LAW 6 TO REFLECT THE NEW FUNCTIONS OF THE VICE-PRESIDENT

Background: Following the elimination of one Senior Director position, it has been decided that the Vice-President will chair the Meeting Site Committee. Furthermore, notifications to all members are no longer done by mail but mostly by e-mail or via the electronic Bulletin.

The motion: It is moved that By-law 6 be amended to read as follows (major changes highlighted):

d) Notifications of scientific meetings and of the annual business meeting shall be mailed **sent** to all members at least three months in advance.

f) A Meeting Site Committee chaired by the ~~Senior Director~~ **Vice-President** and two full members of the Society elected by the Executive shall be responsible for ensuring that there are satisfactory arrangements of annual meetings for at least three years in advance of the one at which they are appointed.

MOTION 4 AMEND BY-LAWS 11, 12, 13, 14 and 16 TO REFLECT THE ACTUAL PROCEDURE OF NOMINATIONS OF THE MEMBERS AND INCLUDE A FORMAL DESCRIPTION OF THE PROCEDURE OF NOMINATION OF THE CHAIR OF THESE COMMITTEES

Background: As currently practiced, members of the CSPP award committees are elected at the ABM and are not appointed by the Executive. This should be stated in the Constitution. The chair of each of these committees has usually been the longest serving member of that committee but this was not explicitly stated in the different By-Laws. However, in the case of the Ann Oak Scholarship Award and Fund, the chair and co-chair are chosen by the Board of Trustees members themselves and appointed by the Executive.

The motion: It is moved that By-Laws 11, 12, 13, 14 and 16 be amended to read as follows (major changes highlighted):

By-Law 11: The Society Medal

c) The medal shall be awarded by Executive decision on the recommendation of a Standing Committee ~~established by the Executive.~~

d) The Standing Committee, known as the Plant Physiologists' Medal Committee, shall be ~~appointed by the Executive~~ **elected at the Annual Business Meeting**, and shall consist of three full members rotated in such a manner that one new member is appointed annually. No member shall serve more than three years on this committee. **The longest serving member of the committee becomes the Chair for one year.**

By-Law 12: The C.D. Nelson Award

e) The Award will be conferred by Executive decision on the recommendation of a Standing Committee ~~established by the Executive.~~

f) The Standing Committee, known as the C.D. Nelson Award Committee shall be ~~appointed by the Executive~~ **elected at the Annual Business Meeting** and shall consist of three full members rotated in such a manner that one new member is appointed annually. No member shall serve more than three years on the Committee. **The longest serving member of the committee becomes the Chair for one year.** The Committee shall deliver their recommendation not later than two months before the annual meeting.

By-Law 13: The David J. Gifford Award in Tree Physiology

e) The Award will be conferred by Executive decision on the recommendation of a Standing Committee ~~established by the Executive.~~

f) The Standing Committee, known as the David J. Gifford Tree Physiology Award Committee shall be **elected at the Annual Business Meeting** and shall consist of three

full members rotated in such a manner that one new member is appointed annually. No member shall serve more than three years on the Committee. The longest serving member of the committee becomes the Chair for one year. The Committee shall deliver its recommendation not later than two months before the Annual Meeting.

By-Law 14: The Gleb Krotkov Award

c) The award will be conferred by Executive decision on the recommendation of a Standing Committee. ~~established by the Executive.~~

d) The Standing Committee, known as the Gleb Krotkov Award Committee, shall be appointed by the Executive elected at the Annual Business Meeting and shall consist of three full members of the Society rotated in such a manner that one new member is appointed annually. No member shall serve more than three years on the Committee. The longest serving member of the committee becomes the Chair for one year.

By-Law 16: Ann Oaks Scholarship and Fund

c) **Board of Trustees:** The Board of Trustees shall consist of four full members of CSPP/SCPV with a history of four or more years of membership in the Society. In addition, the current Treasurer of the Society shall be a member ex-officio. The immediate past Treasurer will serve as an advisor and resource to the Board for two years past the expiry of the term as Treasurer. Members of the Board of Trustees will be nominated by the CSPP/SCPV Nominating Committee and serve four-year terms, renewable and overlapping. Nominees shall be confirmed by the Executive vote at the Annual Business Meeting. The Executive of

CSPP/SCPV, in consultation with the Ann Oaks Fund Board of Trustees, shall name a Chair of the Board, and also a Co-Chair. The Chair and Co-Chair will be selected from existing Board members. ~~The Chair of the Board will serve as the contact person with Dr. Oaks.~~ The role of the Co-Chair is to facilitate financial management of the Fund in accordance with relevant provincial regulations. The Executive of CSPP/SCPV shall have the power to remove members from the Board of Trustees.

MOTION 4: ADD A NEW BY-LAW TO DESCRIBE THE RAGAI IBRAHIM AWARD FOR BEST STUDENT PAPER

Background: As a result of a kind donation from Dr. Ragai Ibrahim, an annual student paper prize has been set up to recognize contributions to plant science. There was a first contest this year. The new By-Law includes a description of the prize, the management of the Ragai Ibrahim Award donation, the criteria of selection and the composition of the Committee.

The motion: It is moved that By-Law 19 be included in the Constitution:

By-Law 19: Ragai Ibrahim Award for Best Student Paper

a) **Origin and Purpose.** The Ragai Ibrahim Award was established by the CSPP/SCPV in 2006 through a generous donation from Professor Ragai Ibrahim, eminent Canadian plant scientist and an emeritus member of CSPP/SCPV. The purpose of the award is to recognize excellence in publication by graduate students. Each year there will be one winner and an honourable mention.

b) **Establishment and Management of the Ragai Ibrahim Award.** The Treasurer shall maintain a record of the monetary

transactions associated with the Ragai Ibrahim Award. The Treasurer may seek advice and assistance from professional managers employed by financial institutions. The Treasurer is authorized to accept additional charitable donations from individuals, organizations and institutions to assist in financing the award.

c) 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.

d) Selection Committee: The award will be conferred by Executive decision on the recommendation of a Standing Committee. The Standing Committee, known as the Ragai Ibrahim Award Committee, shall be elected at the Annual Business Meeting and shall consist of three full members of the Society rotated in such a manner that one new member is appointed annually. The student/postdoc representative will be part of this committee.

No member shall serve more than three years on the Committee. The longest serving full member of the committee becomes the Chair for one year.

e) Prize: The winner will receive a framed certificate and a cheque for 350 dollars.

The award will be presented at the CSPP\SCPV Annual Meeting.

AVIS D'AMENDEMENT À LA CONSTITUTION

MOTION 1: AMENDEMENT À L'ARRÊTÉ No. 3 AFIN D'INCLURE UNE DESCRIPTION DU PROCESSUS DE NOMINATION DU REPRÉSENTANT ÉTUDIANT/STAGIAIRE POST-DOCTORAL

Historique: Un poste de représentant étudiant/postdoctorant a été ajouté au Comité exécutif en 2004. Cependant, aucune procédure formelle de nomination de ce représentant avait été incluse dans la Constitution. La procédure de nomination de ce représentant diffère considérablement de la procédure utilisée lors de la nomination des autres membres du Comité exécutif.

Motion: Il est proposé que l'Arrêté No. 3 soit amendé pour inclure ce nouvel article:

f) Le représentant étudiant/postdoctorant peut être nommé ou il ou elle peut proposer sa propre candidature. Chaque candidat doit fournir un bref curriculum vitae ainsi qu'une lettre expliquant pourquoi il ou elle est intéressé(e) à participer plus activement au sein de la SCPV (maximum de 100 mots en tout). Les candidatures doivent être déposées auprès du Directeur principal qui fera publié l'appel de candidature. Un vote sera tenu parmi les membres étudiants et membres postdoctorants de la SCPV à une date déterminée par le Directeur principal. Bien que les membres du Comité exécutif paient leurs propres dépenses pour assister aux réunions du Comité exécutif de la SCPV, la Société versera une contribution financière pour permettre au représentant étudiant/postdoctorant d'assister à

l'assemblée générale annuelle jusqu'à concurrence d'un montant fixé par le Comité exécutif.

MOTION 2: AMENDEMENT À L'ARRÊTÉ No. 4 AFIN DE REFLÉTER LA NOUVELLE COMPOSITION DU COMITÉ EXÉCUTIF

Historique: Des changements majeurs à la composition du comité exécutif ont été approuvés en juin 2004. Certains articles de la Constitution n'avaient pas encore été modifiés pour refléter la nouvelle composition du Comité exécutif comme par exemple, la disparition d'un des deux postes de directeur principal. De plus, certains postes ont été renommés mais ces changements n'avaient pas encore été inclus dans la Constitution.

Motion: Il est proposé que l'Arrêté No. 4 soit amendé de la façon suivante (Les principaux changements sont en surbrillance):

a) Le président sera élu pour une durée de deux ans et deviendra ensuite le président sortant pour une durée de deux ans. Le vice-président sera élu pour une durée de deux ans et accédera à la présidence à la fin de son mandat. Le secrétaire et le trésorier seront élus pour une durée de deux ans, l'un d'entre eux étant élu lors de chaque assemblée générale annuelle. Les deux directeurs régionaux seront élus pour une période de deux ans, un seul étant élu à chaque année lors de l'assemblée générale annuelle. ~~Les deux directeurs principaux ux tiendront chacun fonction pour deux ans, un directeur principal étant élu à chaque assemblée générale annuelle., le directeur des politiques scientifiques, et l'Éditeur du Bulletin,~~ le directeur des communications, le directeur de l'éducation ainsi que le représentant étudiant/postdoctorant tiendront fonction pour deux ans et seront élus à l'assemblée

générale annuelle, sauf dans le cas du représentant étudiant/postdoctorant qui sera élu par les membres étudiants et postdoctorants par voie électronique (Arrêté No. 3f).

MOTION 3: AMENDEMENT À L'ARRÊTÉ No. 6 AFIN DE REFLÉTER LES NOUVELLES FONCTIONS DU VICE-PRÉSIDENT

Historique: Suite à la disparition d'un des deux postes de directeur principal, il a été décidé que le vice-président serait maintenant président du Comité des congrès. De plus, les avis aux membres ne sont plus postés mais plutôt effectués via les courriels ou le Bulletin électronique.

Motion: Il est proposé que l'Arrêté No. 6 soit amendé de la façon suivante (Les principaux changements sont en surbrillance):

d) Les avis de convocation pour les congrès scientifiques ainsi que pour l'assemblée générale annuelle seront ~~expédiés par la poste~~ envoyés à tous les membres au moins trois mois avant leur tenue.

f) Le Comité exécutif constituera un **Comité des congrès** formé de trois membres réguliers: le ~~directeur principal~~ vice-président et deux membres qui ne font pas partie du Comité exécutif. Le ~~directeur principal~~ vice-président présidera ce comité. La fonction de ce comité sera de préparer un plan de trois ans pour les congrès annuels. (*Révisé le 14 juillet 1992.*)

MOTION 4: AMENDEMENT AUX ARRÊTÉS No. 11, 12, 13, 14 ET 16 AFIN DE RÉFLÉTER LA PROCÉDURE ACTUELLE DE NOMINATIONS DES MEMBRES DE CES COMITÉS ET DE LEUR PRÉSIDENT

Historique: Depuis plusieurs années, la composition des comités des prix de la SCPV est entérinée par un vote lors de l'assemblée générale annuelle plutôt que par le Comité exécutif. Ceci devrait être clairement spécifié dans la Constitution. De plus, il est d'usage que le président de ces comités soit le membre ayant siégé le plus longtemps sur le comité mais ceci n'était pas clairement spécifié dans les différents Arrêtés. Cependant, dans le cas du Fonds des Bourses d'Études Ann Oak, le président et vice-président sont choisis par les membres du Comité d'administration eux-mêmes et ensuite nommés par le Comité exécutif.

Motion: Il est proposé que les Arrêtés No. 11, 12, 13, 14 et 16 soient amendés de la façon suivante (Les principaux changements sont en surbrillance):

L'Arrêté No. 11: Médaille de la Société

c) La médaille sera décernée par le Comité exécutif suite à la recommandation d'un Comité permanent ~~établi à cet effet par le Comité exécutif.~~

d) Le Comité permanent connu sous le nom de "Comité de la Médaille de la physiologie végétale" sera élu ~~par le Comité exécutif~~ lors de l'assemblée générale annuelle et comprendra trois membres réguliers qui seront élus à tour de rôle de sorte qu'un nouveau membre soit élu annuellement. Aucun des membres ne pourra siéger sur ce comité plus de trois ans. Le membre ayant servi le plus longtemps sur le comité deviendra le président du comité pour une année.

L'Arrêté No. 12: Le Prix CD Nelson

e) Le prix sera attribué par le Comité exécutif suite à une recommandation d'un comité permanent ~~formé par le Comité exécutif à cet effet.~~

f) Le comité permanent, connu sous le nom de "Comité du Prix C.D. Nelson" sera ~~formé par le Comité exécutif~~ élu lors de l'assemblée générale annuelle et comprendra trois membres réguliers qui seront élus, à tour de rôle, de sorte qu'un nouveau membre sera désigné à chaque année. Aucun des membres ne pourra siéger plus de trois ans sur ce comité. Le membre ayant servi le plus longtemps sur le comité deviendra le président du comité pour une année. Ce comité soumettra sa recommandation au plus tard deux mois avant le congrès annuel.

L'Arrêté No. 13: Le Prix David J. Gifford en physiologie des arbres

e) Le prix sera attribué suite à une décision du Comité exécutif sur la recommandation d'un comité permanent ~~formé à cet effet par le Comité exécutif.~~

f) Le comité permanent connu sous le nom de "Comité du Prix David J. Gifford en physiologie des arbres" sera élu lors de l'assemblée générale annuelle et comprendra trois membres qui seront élus à tour de rôle, de sorte qu'un nouveau membre sera désigné à chaque année. Aucun des membres ne pourra siéger sur ce comité plus de trois ans. Le membre ayant servi le plus longtemps sur le comité deviendra le président du comité pour une année. Ce Comité soumettra ses recommandations au plus tard deux mois avant la tenue du congrès annuel.

L'Arrêté No. 14: Le Prix Gleb Krotkov

c) Le prix sera attribué suite à une décision du Comité exécutif suivant les recommandations d'un comité permanent, ~~formé à cet effet par le Comité exécutif.~~

d) Le comité permanent nommé "Comité du Prix Gleb Krotkov" sera ~~formé par le Comité exécutif~~ élu lors de l'assemblée générale annuelle et comprendra trois

membres réguliers de la Société. Les membres seront élus à tour de rôle, de sorte qu'un nouveau membre sera désigné à chaque année. **Le membre ayant servi le plus longtemps sur le comité deviendra le président du comité pour une année.** Aucun des membres ne pourra siéger sur ce comité plus de trois ans.

Arrêté No. 16: Fonds des Bourses d'Études Ann Oaks

c) Conseil d'administration: Le Conseil d'administration devra être composé de quatre membres à part entière de la SCPV/CSPP avec quatre années ou plus d'adhésion à la Société. De plus, le trésorier actuel de la Société est membre d'office de ce conseil. Le trésorier précédent agira comme conseiller et ressource pour le Conseil pendant une période de deux ans suivant la fin de son mandat de trésorier. Les membres du Conseil d'administration seront nommés par le Comité des candidatures de la SCPV/CSPP pour un mandat de quatre ans, renouvelable et étalé. Les nominés devront être confirmés par **le Comité exécutif un vote lors de l'assemblée générale annuelle.** Le Comité exécutif de la SCPV/CSPP, en consultation avec le Conseil d'administration du Fonds des Bourses d'Études Ann Oaks, devra nommer un président du Conseil d'administration, ainsi qu'un vice-président. Le président et le vice-président seront choisis parmi les membres existants du Conseil d'administration. ~~Le président du Conseil d'administration servira de personne contact auprès du Dr. Oaks.~~ Le rôle du vice-président sera de faciliter la gestion financière du Fonds en conformité avec la réglementation provinciale assujettie. Le Comité exécutif de la SCPV/CSPP aura le pouvoir de démettre de leurs mandats les membres du Conseil d'administration

MOTION 4: AJOUT D'UN NOUVEL ARRÊTÉ RELATIF AU PRIX RAGAI IBRAHIM POUR LE MEILLEUR ARTICLE PUBLIÉ PAR UN ÉTUDIANT

Historique: Suite à un don effectué par le Dr. Ragai Ibrahim, un prix annuel pour le meilleur article publié par un étudiant a été mis sur pied pour souligner sa contribution à la biologie végétale. Un premier concours a eu lieu cette année. Ce nouvel Arrêté inclut une description du prix, de la gestion financière du don, des critères de sélection et de la composition du comité.

Motion: Il est proposé que l'Arrêté No. 19 soit inclus dans la Constitution:

Arrêté No. 19 : Le Prix Ragai Ibrahim pour le meilleur article rédigé par un étudiant

a) Origine et But. Le Prix Ragai Ibrahim a été fondé par la CSPP/SCPV en 2006 grâce à un don généreux du Professeur Ragai Ibrahim, éminent scientifique canadien dans le domaine végétal et membre émérite de la CSPP/SCPV. Le but de ce Prix est de reconnaître l'excellence en publication par les étudiants de 2e et 3e cycles. Un prix et une mention honorable seront attribués chaque année.

b) Établissement et Gestion du Prix Ragai Ibrahim. Le trésorier devra maintenir un compte financier des transactions monétaires associées au Prix Ragai Ibrahim. Le trésorier peut chercher conseil et assistance auprès de gestionnaires professionnels employés par des institutions financières. Le trésorier est autorisé à accepter des dons charitables additionnels de la part d'individus, d'organisations et d'institutions afin d'aider à financer le prix.

c) 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 1er, 2e ou 3e 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 (1er 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^{er}, 2^e ou 3^e cycles moins de 12 mois avant la date de publication de l'article.

d) Comité de Sélection. Le prix sera remis après approbation de la part du Comité exécutif suite à la recommandation d'un comité permanent. Le comité permanent, connu sous le nom de "Comité du Prix Ragai Ibrahim " sera élu lors de l'assemblée générale annuelle et comprendra trois membres réguliers qui seront élus, à tour de rôle, de sorte qu'un nouveau membre sera désigné à chaque année. Le représentant étudiant/postdoctorant fera également partie de ce comité. Aucun des membres ne pourra siéger plus de trois ans sur ce comité. Le membre régulier ayant servi le plus longtemps sur le comité deviendra le président du comité pour une année.

e) Prix. Le gagnant recevra un certificat ainsi qu'une bourse au montant de 350 dollars. Le prix sera remis lors du congrès annuel de la CSPP\SCPV.