Société canadienne d'écologie et d'évolution

Canadian Society of Ecology and Evolution

Newsletter # 5

February 2009

Edited by *Marco Festa-Bianchet*

President's Message

The SPECIES Project

"Among plants and animals the view of the subject is simple. They are all impelled by a powerful instinct to the increase of their species, and this instinct is interrupted by no reasoning or doubts about providing for their offspring. Wherever therefore there is liberty, the power of increase is exerted, and the superabundant effects are repressed afterwards by want of room and nourishment, which is common to animals and plants, and among animals by becoming the prey of others."

Your Executive and Council meet with NSERC officials each autumn. We speak passionately about the need to address the environmental problems that confront us. We praise our scientists and students. We demonstrate how effectively and efficiently they use Discovery Grants to advance Canada's science and technology strategy. Alas, we are told often that there is no new money for Discovery.

So we seek alternatives such as our Canadian Institute of Ecology and Evolution. But we need to think bigger, and perhaps better. We need to develop and promote a research programme that unites our members in a combined effort to understand biological complexity from genes through populations, communities, and ecosystems.

Our friends in physics and chemistry face similar challenges. They meet them head-on with a common voice for big science, big funding, and big, shared facilities. We would do well to emulate their example. Construction of the European -Council for Nuclear Research's (CERN) Large Hadron Collider (LHC) cost approximately $9 billion. Canada contributed approximately $100 million. How would we spend that much money? What experiments would we run? What questions would we ask?

Many of us would call for experiments to manipulate the abundances of interacting species in real ecosystems. We would want to know how the addition and deletion of species influence ecological and evolutionary dynamics of others. Some of us would want

to examine how changes in the starting conditions of nutrients, temperature, and species composition alter communities and ecosystems. Some would want to map the interactions among species and their change through time. Others would want to investigate how organisms adapt at the genome and epigenome levels. All of us would hope to explore how evolutionary adjustments in some species influence the ecological dynamics and evolutionary trajectories of species that they interact with. And we would want each manipulation to test whether components of the system become more or less stable.

The bicentenary of Darwin's birth, the 150th anniversary of "the origin", and the 170th year since publication of the Beagle's voyage present us with golden opportunities to build the vision. Statesmen, politicians, and bureaucrats will be reminded how Darwin changed our world view, that humans are part and parcel of natural systems, and that our collective future depends on diverse, functioning ecosystems. Let's seize these opportunities by uniting to promote The **SPECIES** Project (**S**tability of **P**opulations **E**volving in **C**hanging **I**ntegrated **E**cological **S**ystems), a concerted research effort to understand the intricacies of coevolving, interacting, species in complex systems.

Imagine what we could achieve with the same funding that Canada allocated to the LHC. We could locate research nodes in each of our major ecosystems and integrate them with advanced technologies in genomics, remote sensing, and *in situ* measurements of behaviour and physiology. We could link each node with powerful computers for analysis, real-time modeling, and to create a standardized ecological and evolutionary database. We could build teams of specialized data collectors. They could define complete food webs in space and time. They could measure the abundances and distributions of each species, the demography of their populations, and how they interact. They could quantify genetic, morphological, physiological, and behavioural variation, tell us which genotypes and phenotypes survive and reproduce, and where they live.

First, we must galvanize public sentiment and support. We need to be far more effective at educating society about the desperate state of the world's ecosystems, the fragility of Earth's biodiversity, and the urgent need for action. We need to demonstrate how ecological and evolutionary knowledge can help us forecast the effects of our actions and provide new solutions to the problems of global warming, declining and increasingly homogeneous biodiversity, over-consumption of limited resources, emerging diseases, invasive species, and human population growth.

When you celebrate Darwin's birth, and this year's anniversary of "the origin", begin serious discussion on the SPECIES project. Challenge your students to assess its strengths and weaknesses. Promote it to your administrators, and sell it to politicians.

We need a plan. Would we dedicate funds to increased infrastructure and personnel at a few key nodes? Would we aim instead for base funding to supplement grants of scientists whose research programs advance the SPECIES project? Or do we need a new model for effective research funding in ecology and evolution?

If we fail to act, others will. Governments will develop their own "green agenda". I believe that we can do a far better job than they in determining the future direction of research in ecology and evolution. **Please bring your ideas to Halifax, identify champions to lead the charge, and join in the discussion when we celebrate the 170th anniversary of Darwin's "voyage of the Beagle" with a SPECIES workshop**.

What, you may ask, are the chances of our success when Governments the world over are concentrating on the global economic crisis? The answer lies in the opening eloquent quotation describing the struggle for existence. The style, so distinctly Darwinian, predates his birth. It belongs to the economist, Thomas Malthus (an essay on the principle of populations; 1798).

Douglas Morris

PRESIDENT'S AWARD

The CSEE council is very pleased to announce that Charles Krebs will receive the inaugural President`s Award at our 2009 annual meeting in Halifax. The award is the Society`s highest honour and is given biennially to "a Canadian scientist for outstanding contributions to ecology or evolutionary biology". Nominees are submitted to the Executive by the Society`s Awards and Recognition Committee. Recipients are honoured with a cash prize and a plenary lecture at the Society`s annual meeting. Please join us in congratulating Dr. Krebs for his numerous contributions to our discipline and to the global community of ecologists and evolutionary biologists.

Douglas Morris

Changes on NSERC Discovery Grants competition

The procedure to evaluate applications for Discovery Grants has undergone substantial changes. The 'Conference Model' first pioneered by the Evolution and Ecology Grant Selection Committee will be adopted more broadly. Each GSC will split into sub-sections to use time more efficiently and to ensure that those members with the greatest expertise will examine each proposal. For the first time, the system will allow for some movement of experts from one GSC to another wherever they are most needed.

GSC members will not receive a mini-budget this year. Instead, they will score each application according to three criteria: quality of the applicant, quality of the proposal, and training of HQP. At the meeting in February, GSC 18 will rank all proposals according to the same criteria, with minor adjustments for the perceived cost of research for a minority of applications. The budget for the GSC will then be divided among applicants according to the scores assigned by the Committee, who will also have to decide among different options for funding allocations, such as a possible trade-off between minimum grant size and success rate. The actual amount awarded to each candidate will then be a function of the final score attributed, and (in rare cases) adjusted for cost of research.

These changes are partly in response to concerns by the research community about the 'inertia' of previous competitions, when a person's award could be strongly influenced by the previous grant level, which is not a criterion used by NSERC.

News about changes in the Discovery Grant system will be received with great interest by CSEE members, particularly because these changes may result in larger differences in amounts awarded to individuals between granting periods than in the past.

Although some details remain to be determined, the new evaluation procedure will also account for the special cases of first-time applicants. The CSEE council was informed of these changes at its meeting with NSERC in autumn 2008 and was generally supportive.

Marco Festa-Bianchet and Marc-André Villard

The Federal Budget

The CSEE Council is alarmed by the continued erosion of federal support for research in Canada. Recent cuts weaken our ability to solve problems of national and

international interest. President Morris responded to the budget announcements with an email to Prime Minister Harper on 29 January 2009 (with copies to the Leaders of the Opposition Parties as well as Ministers Flaherty and Prentice), you can see it at http://www.ecoevo.ca/en/2009/letter2009.htm The message highlighted the value of evolutionary and ecological research to Canada's economy and to the welfare of Canadians, and encouraged the Government to work with the other political parties to increase support for the direct costs of research. We encourage all members with similar perspectives to write their Members of Parliament.

Budget 2009: New Spending for science outweighed by the redistribution of current funds.

Needless to say the words 'ecology' and 'evolution' do not appear in the 2009 Federal Budget. Nor does Genome Canada which, as explained by the government, will continue to get $106 million this year and $108 million next (they were hoping for $140 million). But, some items contained within the 343 page budget are of interest to CSEE membership.

Particularly relevant are $35 million to the Canada Graduate Scholars program and $3.5 million to the graduate internship program, $600 million for the Canadian Foundation for Innovation and $150 million for the Leading Edge and New Initiatives Funds Competition.

Support for "Canada's Vision for the North" includes a world-class High Arctic research station"($2 million for a feasibility study). In addition, $250 million over two years will be used for deferred maintenance at federal laboratories such as salmon enhancement facilities in BC and Natural Resources Canada's Great Lakes Forestry Centre in Ontario. Surely this will benefit some ecologists.

Budget 2009 will also provide up to $2 billion to support maintenance and repair projects at post-secondary institutions. Maybe a renovated office or lab for you in a couple of years?

But is all of this new money? Granting councils were among 21 government programs reviewed in the last several years. In an appendix to the budget we find that NSERC, SSHRC, CIHR were expected to improve "the effectiveness of existing programs, aligning their programs with their core roles and fostering the development of innovative new programs." And that, "**These savings** of $18 million in 2009-10, $43 million in 2010-11, and $87 million in 2011-12 will be used in Budget 09 to support repairs at postsecondary institutions, to upgrade key Arctic research facilities, to expand the Canada Graduate Scholarships program and graduate internships, and to support new world-class research facilities." Sounds like "borrow from Peter to pay Paul!"

The take home message is - New spending for scientific research will be minimal, so don't expect this economic stimulus package to increase your 2009 NSERC discovery grant although it may help if you are buying a truck.

Message to the government - Without research dollars for their faculty supervisors, new Canada Scholars are going to have a minimal impact on future science and technology in Canada.
Judith Myers, Department of Zoology, UBC

To student and post-doctoral members

I am pleased to inform you that in addition to 20 travel awards for students (see next item!), prizes ($500, $300, $200) will be awarded to the three best oral and three best poster presentations by students at the Halifax meeting this year.

A student workshop during the meeting is tentatively scheduled for May 15, at supper time. Food and beverages will be provided. Last year's workshop on academic jobs was a huge success with over 130 members participating. This year's discussions will be on non-academic jobs. A panel of several PhD biologists and research scientists will be invited to answer your questions.

During registration time, and up until the day of the meeting, you will find all relevant information on the student link of the CSEE website. This page will be updated by February and just before the meeting with student activities planned for the meeting.

I invite all post-doctoral members to contact me if they wish to set up an information-resource webpage for post-docs by post-docs. For example, you may want to create a "job searching/interview information page" or organize activities for post-doctoral fellows during conferences.

Nathalie Brodeur, Student / Post-doctoral council member

Student Travel Awards to Halifax

This year, the Society will offer 20 student travel awards worth $500 each for student members to attend the annual meeting in Halifax. Winners are expected to present their research at the meetings via a poster or talk. The awards will be drawn at random from among all eligible students who email the Secretary by February 25, 2009 (To: Sally Otto otto@zoology.ubc.ca ; Subject: Travel award; Body: Please provide your address and whether you plan to present a poster or talk). Graduate students who are members of CSEE and not within 500km driving distance of Halifax are eligible to apply.

Update on membership.

For the third year in a row, the number of CSEE members increased, and now exceeds 600 for a total of 608 members in 2008. This ranks CSEE as one of the most important scientific societies in Canada and illustrates clearly how vigorous and healthy our Society is. Our membership includes a majority of students and postdocs (352 or 57.9%) as well as 253 (41.6%) regular members and three lifetime members. Nearly all of our members are associated with Canadian institutions (569). The remaining 39 are from various countries of Europe and the Americas. The map below illustrates the geographic distribution of our membership (in percent). Most regions are well represented and hopefully our next meeting in Halifax will increase our membership from the Maritimes and Newfoundland and who knows, reach the 700 members target in 2009!
Louis Bernatchez

CSEE 2009 Meeting in Halifax

The third annual meeting of the CSEE will be held jointly with the Genetics Society of Canada at Dalhousie University from Thursday, May 14, until Sunday, May 17. In addition to plenary lectures by Brian Hall ("Eco-Devo: 150 Years After *On The Origin*

of Species"; NSERC Gerhard Herzberg Canada Gold Medal Finalist) and by Charles Krebs, inaugural winner of the CSEE President's Award, the 2009 meeting will feature three Symposia.

The first of these, scheduled for Friday, is entitled, "Ecology and Evolution of Conservation Programmes" (organizers: Dylan Fraser and Jeff Hutchings). Speakers include Russell Lande (Imperial College), Nick Dulvy (Simon Fraser), Lenore Fahrig (Carleton), Bob Latta (Dalhousie), Fanie Pelletier (Sherbrooke), and Mark Vellend (UBC).

Two symposia are scheduled for the weekend. Confirmed speakers for "Plant Reproduction and Mating Systems" (organized by Mark Johnston) include Spencer Barrett (Toronto), Sara Good-Avila (Winnipeg), John Willis (Duke), Chris Eckert (Queen's), Mark Johnston (Dalhousie), Andrew Simons (Carleton), Daniel Schoen (McGill), Kathryn Hodgins (UBC) and Antonina Internicola (Lausanne/Calgary).

The second weekend symposium, organized by Joe Bielawski, is entitled, "The principles and practice of phylogenomic inference". Speakers include Stephane Aris-Brosou (Ottawa), Henner Brinkman (Montréal), Brian Golding (McMaster), Nicolas Lartillot (Montréal), Andrew Roger (Dalhousie), and Ed Susko (Dalhousie). Financial support for this symposium is from the Centre of Genomics and Evolutionary Biology (Tula Foundation).

The SWEEET (Symposium for Women Entering Ecology and Evolution Today) symposium will be held all day Thursday, 14 May. It is organized by Bronwyn Rayfield, a doctoral candidate at University of Toronto. Talks will begin on May 15.

Among other social events, an evening dinner/reception is planned for Pier 21, Canada's Immigrant Museum that pays tribute to the 1.5 million immigrants, war brides, displaced people, evacuee children and Canadian military personnel who passed through Pier 21, in the Port of Halifax, between 1928 and 1971.

Jeff Hutchings for the Local Organizing Committee

News from the CSEE Communication committee

The CSEE communications committee is composed of Andrew Hendry (chair), Mark Forbes, and Nathalie Brodeur. Over the past six months, we have worked to improve the visibility of Canadian research in ecology and evolution research and of the CSEE in particular. Here is a short summary of our main activities.

1. A list of media experts in ecology and evolution was posted on our website http://www.ecoevo.ca/en/media.htm This list will provide a resource for reporters seeking local expert opinions in ecology and evolution. It is currently in a simple PDF format and we welcome society members with web expertise who might be willing to make this list more user-friendly and directly updatable by the experts.

2. A CSEE promotional flyer was produced by Derek Tan in consultation with Sally Otto and Doug Morris. It provides basic information about our society and its upcoming meetings. Contact Sally if you would like some of these flyers for distribution.

3. We have improved and updated our list of local CSEE representatives at universities. These individuals provide information about CSEE activities within their institution. We have also

worked to include non-university organizations, such as Fisheries and Oceans, Environment Canada, Canadian Forest Service, Canadian Wildlife Service, and a variety of provincial organizations.

4. We produced several ecology and evolution vignettes and posted them on the CSEE website http://www.ecoevo.ca/en/vignettes.htm These vignettes show how basic research conducted with Discovery Grant funds has made important contributions to Canada and the well being of Canadians. Vignettes of this sort were specifically requested by NSERC in their ongoing efforts to convince Government to solidify and enhance Discovery Grant funding. We welcome additional vignettes from CSEE members. These should be sent to andrew.hendry@mcgill.ca.

CSEE and the Canadian Council on Animal Care

Members of the CSEE that work with animals have often been frustrated by the increasing level of bureaucracy required to obtain Animal Care Certificates. This document is essential for any research on Ecology or Evolution involving animals in Canada: you cannot use NSERC funds without it, and most journals will not publish your research unless you have been authorized to conduct it by your local Animal Care Committee. Our Society strongly supports the highest standards of ethics in animal research and many members are actively involved in institutional ACCs. Many of us, however, have faced apparently unreasonable requests that delayed, prevented, or substantially increased the costs of research, with no improvement for animal care. These situations are particularly common when dealing with wildlife, and those of us whose research seeks to improve the conservation and management of species and ecosystems find them particularly incongrous. Typically, local ACCs lack appropriate expertise or are unaware of the CCAC Guidelines on the care and use of wildlife, and tend to apply lab-rat rules to wild animals. Because of an apparent increase in the number of CSEE members whose research is increasingly limited by animal-care concerns, Council has taken two steps. First, we asked for representation on the CCAC council and our request is currently being considered. Second, during our fall meeting with the President of NSERC we made Mme Fortier aware of our concern, as NSERC is a major funder of the CCAC. If we will have a representative on the CCAC Council, that person will likely contact you with a request for suggestions to improve the animal-care evaluation process. Meanwhile, it is important that local ACCs be made aware of the Wildlife Guidelines (available at www.ccac.ca/en/CCAC_Programs/Guidelines_Policies/GDLINES/Guidelis.htm).

Marco Festa-Bianchet

New CSEE Outreach Committee looking for support from members

Educating the Canadian public about ecology and evolution is a priority for the CSEE, because the future of our natural resources and ecosystems depends on informed policy decisions. For these reasons one of the purposes listed in our Constitution is "*to raise public awareness of the importance of ecology and evolution to Canadian society*". At our last meeting on November 20, 2008, Council formally recognized an Outreach Committee to uphold this mandate of raising public awareness. The Committee will advertise outreach activities already in progress by our members and embark upon new outreach efforts. It will be chaired by a CSEE Council member, who will identify four members of CSEE to serve on the Committee, seeking

approval of these nominations from the Executive. The committee is currently chaired by Sean Rogers (University of Calgary) and includes Crispin Jordan (UBC), Fanie Pelletier (Sherbrooke), and Rowan Barrett (UBC). We are currently looking for an additional member, preferably from Eastern Canada (if you are interested, email Sean Rogers srogers@ucalgary.ca).

We wish to highlight the public outreach efforts of CSEE members. If you are currently involved with a project that facilitates awareness about ecology and evolution in your community, we would like to know about it so that we can provide publicity for your work. Please email rbarrett@zoology.ubc.ca with a brief description of your project. If you have a website, please also provide its address so that we can link it to the CSEE outreach page at http://www.ecoevo.ca/en/outreach.htm Check the website often for news and initiatives from what will hopefully become an integral part of the activities of the CSEE.

Funding regional student conferences

The CSEE has received requests for financial support to assist student-run conferences. The CSEE Council would like to announce that our Society will make funds available to support regional conferences and meetings of at least 100 participants. To request support from the CSEE, you should write the CSEE Executive with a brief description of how the meeting falls within the mandate of the CSEE, why you need financial assistance, and how you will spend any money received. Approval requires that the meeting organizers hold a membership drive for our Society, announce upcoming CSEE meetings and events at the conference, provide a brief meeting report for the bulletin, and submit a financial report detailing how the funds were spent. The first recipient of this support is the *Pacific Ecology and Evolution Conference* (PEEC) being held at the Bamfield Marine Science Centre from February 20-22, 2009 (deadline for registration is January 23, 2009). The PEEC will receive $400 support from the CSEE.

Genetics Society of Canada joins CSEE for the 2009 Meeting

2009 is the year to celebrate several important anniversaries in evolutionary biology. 2009 also marks a milestone for our Society, as we host our first joint meeting, with the Genetics Society of Canada, GSC. The joint meeting presents a wonderful opportunity for us to gain new insights into ecology and evolution, to share research interests, and to expand networks with new colleagues. We are delighted that the GSC is joining us in 2009, and we look forward to similar joint meetings with other societies in future years.

CSEE to participate in Evolution 2012 and INTECOL 2013

Your Executive Council is developing plans for the CSEE to participate in two major international scientific events. The first is Evolution 2012 hosted by the University of Ottawa. We are evaluating options to integrate our meeting with this major international congress. We will resume our normal independent spring meeting in 2013. We are also working with the British Ecological Society to help celebrate their 100th anniversary when they host the INTECOL Congress in London during August of 2013. Possibilities include a “CSEE symposium”. Future newsbulletins will provide updates on these important initiatives.

CIEE/ICEE Operations Begin

Ecologists and evolutionary biologist across Canada now have a new resource to advance basic research, improve training at the graduate and postdoctoral levels, and provide unbiased scientific information to decision makers. The **Canadian Institute for Ecology and Evolution/Institut canadien d'écologie et d'évolution** (CIEE/ICEE) has begun operations at the Koffler Scientific Reserve at Jokers Hill (KSR).

In November the inaugural CIEE/ICEE thematic program was convened by Dr. Arne Mooers (Simon Fraser University). This workshop brought together academics from McGill, Memorial, UT-Scarborough, UBC, Wyoming and Victoria to prepare for the legislated five-year review of Canada's Species at Risk Act (SARA). Aided by input from invited legal scholars, economists and scientists from provincial ministries, the team of biologists spent three days analyzing the ways science has been used during the species listing and recovery processes. A number of publications will emerge from this interchange, and a summary of the findings will be transmitted to appropriate offices within the federal government.

The decision to form the CIEE/ICEE was made during the 2007 CSEE meeting. Last May, after a competition open to all Canadian universities, the society's Governing Council selected a proposal from the University of Toronto to organize and house the Institute at KSR. As the Institute's first director, with help and advice from the Scientific Advisory Council (SAC; see table), I have begun the process of building an organization that will advance our field of study. When fully implemented, the CIEE/ICEE will operate as a corporation owned by a consortium of universities and governed by a Board of Directors that includes representatives from the CSEE and member institutions, internationally recognized scholars, and prominent public figures.

The SARA workshop is just one type of activity the CIEE/ICEE will foster. As funding is secured, the Institute will sponsor *Thematic Programs* in basic ecological and evolutionary science to extract added information and novel insights from existing data, or to advance theory (similar to the working groups hosted by NCEAS and NESCENT). *Synergy Workshops* will address questions that span traditional disciplinary boundaries. CIEE/ICEE will also improve training through *Graduate Mini-Courses* and an innovative *Multi-Disciplinary Postdoctoral Fellowship* program. To support these activities, a *Data Archive* will be compiled, including a meta-database of data sets compiled by ecologists and evolutionary biologists across Canada.

In October, the SAC and I submitted a $1.9M grant proposal to the NSERC Major Resources Support program to fund the CIEE/ICEE's first five years of operation. A decision is due in the next few months. Additional funds are coming from the University of Toronto. When operational, dues from member universities will help fund Institute activities.

The first of our workshops was held at KSR, in the Jokers Hill estate house--also the location of the CIEE/ICEE central offices. Located 50km north of Toronto, in one of Ontario's finest remaining hardwood forests, the KSR surroundings proved conducive for a very productive workshop. At full operation, CIEE/ICEE programs will be held throughout Canada; Université du Québec à Montréal and the Bamfield Marine Sciences Centre have already agreed to host future activities.

Later this year, CIEE/ICEE will start the effort to recruit member universities. When the call comes, support from individual CSEE members will be essential to secure the support of their university administrators. Efforts by you and colleagues at your institution will assure success for this

important new resource for Ecology and Evolutionary Biology.

The CIEE/ICEE Scientific Advisory Council	
Bradley Anholt	*University of Victoria*
Graham Bell	*McGill University*
Adam Chippendale	*Queen's University*
Mark Forbes	*Carleton University*
Andrew Hendry	*McGill University*
Jeff Hutchings	*Dalhousie University*
Mark Lewis	*University of Alberta*
Sarah Otto	*University of British Columbia*
Richard Palmer	*University of Alberta*
Denis Réale	*Université du Québec à Montréal*

Arthur E. Weis

DARWIN WEEK – CARLETON UNIVERSITY

Carleton University in Ottawa will celebrate the bicentennial of Charles Darwin's birth and sesquicentennial of publication of the *Origin of Species* with a series of public lectures. Each lecture will focus on a different aspect of Darwin's contributions to modern thought: from philosophy, to religion, to physical geography, to ecology, to human evolution. All talks will be open to and accessible by the public. We will also host the Discovery Lecture, providing a primer on modern evolutionary biology. All talks will begin at 8:00 pm in the 444-seat Kailish Mital Theatre on Carleton University's campus. Details of the talks, maps, and parking information are available at www.carleton.ca/darwinweek .

Monday	9 February	Dan Dennett
Tuesday	10 February	M. Summerfield
Wednesday	11 February	D. Livingstone
Thursday	12 February	Charley Krebs
Friday	13 February	Patty Gowaty
Friday	17 April	Rosemary Grant and Peter Grant

ELECTIONS FOR CSEE COUNCIL

Elections will be held in March to fill the following positions on the CSEE Council:

1) Vice President (2010-2011) to become President (2012-2013)
2) Treasurer (2010-2013)
3) Three Regular Council Members (2010-2014)
4) One Student/Post-doctoral Council Member (2010-2011)

All positions run for the calendar years mentioned and will begin January 1, 2010. The slate of candidates was developed by the Nominating Committee, following a general call for nominations in the last Bulletin #4. Biographies of all candidates are now available at http://www.ecoevo.ca/en/elections.htm

Elections will be held electronically this year. In March, you will receive an email with a link that can be used once (and only once) to vote for your preferred candidates. Instructions will also be made available on the CSEE website (http://www.ecoevo.ca). We encourage all society members to vote. Results of the election will be announced at the General Business Meeting at the Halifax meetings and posted on the CSEE website.

EDITOR'S NOTES

This Newsletter is a vehicle to disseminate news and information to members of the CSEE. I thank all those that contributed to this issue and Mélissa Lieutenant-Gosselin for translations.

I invite all members to provide either short articles, announcements or ideas for what should be in the Bulletin. We are particularly interested in conference announcements and other newsy items. Submissions in either languages are welcomed.

Marco Festa-Bianchet m.festa@Usherbrooke.ca

COUNCIL

Graham Bell (McGill University, Past President/Président Sortant)

Douglas Morris (Lakehead University, President/Président)

Spencer Barrett (University of Toronto, Vice-President/Vice-Président)

Sarah Otto (University of British Columbia, Secretary/Secrétaire)

Louis Bernatchez (Université Laval, Treasurer/Trésorier)

Beatrix Beisner (Université du Québec à Montréal; Council member 2006 – 2009/ Membre du Conseil)

Marco Festa-Bianchet (Université de Sherbrooke; Council member 2006 – 2009/ Membre du Conseil)

Mark Forbes (Carleton University; Council member 2006 – 2009/ Membre du Conseil)

Andrew Hendry (McGill University; Council member 2008 – 2011/ Membre du Conseil)

Kathy Martin (University of British Columbia; Council member 2008 – 2011/ Membre du Conseil)

Sean Rogers (University of Calgary; Council member 2008 – 2011/ Membre du Conseil)

Nathalie Brodeur (Université Laval; Student/Post-doc Council member 2008-2009/ Membre aux études/postdoc du conseil)

Accepted for full indexing in ISI

Evolutionary Applications

Evolutionary Applications is the first journal purely devoted to publishing papers using evolutionary theory and techniques to address important practical questions. Topics include:

• Agriculture • Aquaculture • Biomedicine • Biotechnology • Climate change
• Conservation biology • Disease biology • Fisheries and wildlife management
• Forestry • Invasion biology • Toxicology

Theoretical, empirical, synthesis or perspective papers are welcome.

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