Royal Society of Canada

2016

Annual Report
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OUR MISSION
To serve Canada and Canadians by recognizing Canada’s leading intellectuals, scholars, researchers and artists and by mobilizing them in open discussion and debate, to advance knowledge, encourage integrated interdisciplinary understandings and to address issues that are critical to Canada and Canadians.

OUR HISTORY
The Royal Society of Canada (RSC) was established in 1882 as a collegium of distinguished Canadian scholars and scientists, under the auspices of the Governor General of Canada, His Excellency the Right Honorable the Marquis of Lorne. It was incorporated by Act of Parliament on May 25th, 1883. Over the years, more than 4000 men and women have been elected to the Fellowship. Canada’s National Academy, the RSC is a not-for-profit organization infused with a strong spirit of cooperation, one that recognizes and celebrates excellence within the Fellowship, shares knowledge and research, and voluntarily provides independent evidence-based policy advice to Canadians.

OUR SOCIETY
The Royal Society of Canada consists of three bilingual Academies and the College of New Scholars, that cover the broad range of Scholarly disciplines as well as the artistic and scientific fields. Academy I, the Academy of the Arts and Humanities, is made up of an Anglophone division, Humanities; a Francophone division, Lettres et sciences humaines; and a bilingual division that embraces architecture, creative writing and the arts. Academy II, the Academy of Social Sciences, is also made up of an Anglophone division, Social Sciences, and a Francophone division, Sciences sociales. Academy III, the Academy of Science, is made up of four divisions: Applied Sciences and Engineering; Earth, Oceans and Atmospheric Sciences; Life Sciences; and Mathematics and Physical Sciences.

In 2014 the RSC created the College of New Scholars, Artists and Scientists as Canada’s first national system of multidisciplinary recognition for the emerging generation of Canadian intellectual leadership. The College elects individuals who, at an early stage in their career, have demonstrated a high level of achievement.

For further information please visit us online at www.rsc-src.ca.

THE ROYAL SOCIETY OF CANADA
Walter House
282 Somerset Street West
Ottawa, Ontario K2P 0J6
(613)991-6990 • www.rsc-src.ca
A registered charitable organization: 10793 5991 RR 0001
2016 at a Glance

99 New Fellows inducted

9 campus visits

1 new Institutional Member

103 individuals donated to various RSC initiatives

80 New College Members

488 nominations for Fellowship

130+ guests visited Walter House

100+ Fellows volunteering on committees

16 medals & awards presented
Message from the President

I was honoured and humbled to become the 113th President of the Royal Society in late 2015. 2016 was therefore my first of two calendar years as President. The year was full of expanding opportunities for the RSC, the Academies and the College at a time when the mission of the RSC may never have been as integral to the fabric of our country as it is now becoming.

The RSC’s mandate is refreshingly straightforward: excellence. Carefully identifying, and then energetically celebrating excellence is the most important thing that the RSC does. This year, 100 new Fellows of the Society’s three Academies were welcomed into the RSC during our Annual Meeting, which was held in partnership with Queen’s University. The festivities in November in Kingston aligned with the 175th anniversary celebration of Queen’s, and the registration, engagement and exchanges of the weekend were infused with resolve and optimism, thanks—perhaps in particular—to the panel discussion on the future of research in the era of the TRC. We remain indebted to Cindy Blackstock, Margaret Kovach, Carrie Bourassa and John Ralston Saul for their participation and for “lighting a fire” within the RSC. I do hope that such initiatives will trigger an increased representation of Indigenous people within our membership and that the RSC will continue its efforts to reflect the diversity that is so representative of our Canadian society.

Indeed, the energy in Kingston seemed particularly resonant this year, and my own sense is that this is due in large part to the evolution of the College of New Scholars, Artists and Scientists. The College has been, and will continue to be, a transformative initiative for the RSC. This year 80 individuals who are within 15 years of having completed their post-doc or equivalent degree were elected to the College, and Dr. Cynthia Milton became the second President of the College. As the baton passed to Dr. Milton, the RSC noted its gratitude to Dr. Alidad Amirfazli, the inaugural president of the College, who succeeded in channeling the energies of the College into strong priorities for the future.

The future of the RSC is bright because, collectively, the Fellowship and the Membership of the College are demonstrating their willingness to provide independent expertise to contribute to a better Canada. When the Government of Canada requested input—whether on the role of the Chief Science Advisor, the Federal Panel tasked with reviewing funding of basic research, or a sustainable environment strategy—Fellows and Members participated in droves. Late in 2016, the Council established a Task Force that will take stock of the RSC’s advisory capacity, and you will be hearing more about this throughout the coming year.

Our commitment to excellence is maintained due to dedicated leadership. I wish to thank the Honorary Secretary, Sheila Embleton, the Honorary Treasurer, Jean-Marie Toulouse, and the Foreign Secretary, Jeremy McNeil, for their continued engagement. Our Academy Presidents—Irving Abella, Constance Backhouse and Jamal Deen—have promoted new initiatives in the international arena, in equity and diversity, and in recognition—that have been meaningful and enduring. The Standing and Statutory Committees of the Board continue to build out the policy contours of the RSC, and our committees on expert panels, equity and diversity, and awards are making continual and strong contributions to the objectives of our strategic plan.

Finally, as 2016 turns into 2017, Past-President Graham Bell will complete a four-year term on Council. We are grateful to Graham and know that he will continue to guide the RSC just as he supported me as his successor. My own successor as President, Dr. Chad Gaffield, is well-known within the Canadian scholarly community. It has been a pleasure to welcome Chad in the knowledge that the RSC has outstanding leadership for the years to come.

I hope you enjoy this annual report of our activities. I suspect you may be surprised at just how far our reach continues to stretch.

Sincerely,

Maryse Lassonde
Message from the Executive Director

Dear Colleagues,

I was honoured to begin a second mandate as Executive Director in July. Upon my “return”, and with the support of the President and the Council, I established operational excellence as our administration’s priority. Throughout the fall of 2016, we pursued excellence along four roads.

Firstly, we have undertaken a review of the tools that we need to be successful. Whether it is our database, our nomination portal, our online presence, or our communications and social media tools, we are focused on renewing our capacity to interact efficiently with the membership.

Secondly, and with the support of David Barnard (Chair) and the Human Resources Committee, we have undertaken a review of the human resources complement at the RSC. Where do we need greater support? Where do we need additional expertise? Are there services that, through strategic partnerships, we can provide from beyond the walls of Walter House?

Thirdly, we began laying the groundwork toward accreditation through an independent third-party process that assesses governance and administrative excellence in not-for-profit management. We will know we have been successful on our journey once we are acknowledged as operationally excellent by a committee of our peers.

Our fourth and final road to excellence is through extensive consultation throughout Canada with the Fellowship, the Membership of the College, and our Institutional Members. We began the process of developing the RSC’s next strategic plan in November 2016 in Kingston at a conversation with leaders of our Institutional Members. Throughout 2017, we will visit nearly 20 campuses across Canada. Our strategic plan will be the result of a gold standard of engagement and process at a moment of considerable opportunity for the RSC and its role within Canada, and around the world.

Whether it is with respect to the RSC’s advisory capacity, the evolution of the College or the RSC’s international engagement, the crew at Walter House is committed to supporting the Fellowship, the Membership of College and our Institutional Members. Many years together at Walter House have prepared us for the exciting era now before us.

As you will see in these pages, the RSC has always been fundamentally about excellence and about people. Our commitment to continuing to grow together as a community is resolute.

Sincerely,

Darren Gilmour

Darren Gilmour
New Fellows – 2016 Cohort

Academy of the Arts and Humanities

Division of Humanities

Barry Allen
Department of Philosophy
McMaster University

David Bakhurst
Department of Philosophy
Queen's University

Donald A. Beecher
Department of English Language and Literature
Carleton University

Susan Bennett
Department of English
University of Calgary

James Grier
Faculty of Music
Western University

Smaro Kamboureli
Department of English
University of Toronto

Harald Krebs
School of Music
University of Victoria

Thomas Lamarre
Department of East Asian Studies
McGill University

Anne Lancashire
Department of English
University of Toronto

Tina Loo
Department of History
The University of British Columbia

Paul Potter
Professor Emeritus
Western University

Joan M. Schwartz
Department of Art History and Art Conservation
Queen's University

Charles Weijer
Rotman Institute of Philosophy
Western University

Natalie Zemon Davis
Department of History
University of Toronto

Béatrice Craig
Département d’histoire
Université d’Ottawa

Normand Labrie
Department of Curriculum, Teaching and Learning
University of Toronto

Mathieu Marion
Département de philosophie
Université du Québec à Montréal

Laurence Monnais
Département d’histoire et Centre d’Études de l’Asie de l’Est
Université de Montréal

Division of Arts

Christian Bök
Department of English
University of Calgary

Nancy Dahn
School of Music
Memorial University of Newfoundland

Janine Marchessault
Cinema and Media Arts Department
York University

Daniel David Moses
Dan School of Drama and Music
Queen’s University

Timothy Steeves
School of Music
Memorial University of Newfoundland

Craig Walker
Dan School of Drama and Music
Queen’s University

Academy of Social Sciences

Division of Social Sciences

Louise Barrett
Department of Psychology
University of Lethbridge

Jamie Benidickson
Faculty of Law
University of Ottawa

Jennifer Clapp
Department of Environment and Resource Studies
University of Waterloo

Colleen M. Flood
Faculty of Law
University of Ottawa

Douglas Hay
Osgoode Hall Law School
York University

Steven Heine
Department of Psychology
The University of British Columbia

Colin M. MacLeod
Department of Psychology
University of Waterloo

Candice Monson
Department of Psychology
Ryerson University

Bonny Norton
Department of Language and Literacy Education
The University of British Columbia

Janice L. Ristock
Faculty of Arts
University of Manitoba

Colleen Sheppard
Faculty of Law
McGill University

Barry Smit
Department of Geography
University of Guelph

Jeremy Webber
Faculty of Law
University of Victoria

Jean-François Gaudreault-Desbiens
Faculté de droit
Université de Montréal

Anne Gilbert
Département de géographie
Université d’Ottawa

Sébastien Grammond
Faculté de droit
Université d’Ottawa

Daniel Mercure
Département de sociologie
Université Laval

Linda Rouleau
Département de management
HEC Montréal
MEMBERSHIP

Mathematical and Physical Sciences Division

Charlotte Froese Fischer
Computer Science
The University of British Columbia

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Department of Geological Sciences
University of Saskatchewan

Jean Claude Kieffer
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David R. Cheriton School of Computer Science
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McMaster University

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Ecole de psychologie  
Université Laval

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Faculty of Law  
University of Ottawa

Amir Z. Fam  
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Queen's University

Nina Jones  
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University of Guelph

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Fountain School of Performing Arts  
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Université d’Ottawa

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Irene Gregory-Eaves  
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Wolfgang Kuebler  
Faculty of Medicine  
University of Toronto
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<tr>
<th>Name</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Kim Lavoie</td>
<td>Psychologie de la santé, Université du Québec à Montréal</td>
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<td>Isabelle Le Breton-Miller</td>
<td>DÉpartement de management, HÉC Montréal</td>
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<td>François Légaré</td>
<td>Centre énergie, matériaux, et télécommunications, Institute national de la recherche scientifique</td>
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<td>Nadia Lehoux</td>
<td>Département de génie mécanique, Université Laval</td>
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<td>Christian Leuprecht</td>
<td>Département de science politique, Royal Military College of Canada</td>
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<tr>
<td>Jing Li</td>
<td>Beedie School of Business, Simon Fraser University</td>
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<tr>
<td>Angela Lieverse</td>
<td>Department of Archaeology and Anthropology, University of Saskatchewan</td>
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<tr>
<td>Merlyn Lim</td>
<td>Department of Communications, Carleton University</td>
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<td>Gonzalo Lizarralde</td>
<td>Faculté de l’aménagement, Université de Montréal</td>
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<tr>
<td>Artur Luczak</td>
<td>Department of Neuroscience, University of Lethbridge</td>
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<tr>
<td>Brenda Macdougall</td>
<td>Department of Geography, University of Ottawa</td>
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<tr>
<td>Damon Matthews</td>
<td>Department of Geography, Planning and Environment, Concordia University</td>
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<tr>
<td>Alison Mountz</td>
<td>Balsilie School of International Affairs, Wilfrid Laurier University</td>
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<tr>
<td>Parvin Mousavi</td>
<td>School of Computing, Queen's University</td>
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<tr>
<td>Shaylih Ryan Muchlmann</td>
<td>Department of Anthropology, The University of British Columbia</td>
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<tr>
<td>David Murakami Wood</td>
<td>Department of Sociology, Queen's University</td>
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<tr>
<td>Muralee Murugesu</td>
<td>Department of Chemistry and Biomolecular Sciences, University of Ottawa</td>
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<td>Hani Naguib</td>
<td>Department of Mechanical and Industrial Engineering, University of Toronto</td>
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<tr>
<td>Charmaine Andrea Nelson</td>
<td>Department of Art History &amp; Communication Studies, McGill University</td>
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<tr>
<td>Dwight Newman</td>
<td>Department of Law, University of Saskatchewan</td>
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<tr>
<td>Candace Nykiforuk</td>
<td>School of Public Health, University of Alberta</td>
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<tr>
<td>Chidi Oguamanam</td>
<td>Faculty of Law, University of Ottawa</td>
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<tr>
<td>Thy Phu</td>
<td>Department of English and Writing Studies, Western University</td>
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<tr>
<td>Joelle Pineau</td>
<td>School of Computer Science, McGill University</td>
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<tr>
<td>Lynne-Marie Postovit</td>
<td>Department of Oncology, University of Alberta</td>
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<tr>
<td>Alexandre Poulain</td>
<td>Département de biologie, Université d’Ottawa</td>
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<tr>
<td>Saibal Ray</td>
<td>Desautels Faculty of Management, McGill University</td>
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<tr>
<td>J. Brent Richards</td>
<td>Department of Medicine, McGill University</td>
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<tr>
<td>Mark Skinner</td>
<td>Trent School of the Environment, Trent University</td>
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<tr>
<td>Eric Smith</td>
<td>Department of Clinical Neuroscience, University of Calgary</td>
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<tr>
<td>Sharon Straus</td>
<td>Department of Medicine, University of Toronto</td>
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<tr>
<td>Roy Ruddaby</td>
<td>Peter B. Gustavson School of Business, University of Victoria</td>
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<td>Philippe D. Tortell</td>
<td>Department of Earth, Ocean &amp; Atmospheric Sciences, The University of British Columbia</td>
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<td>Nathalie Tufenkji</td>
<td>Department of Chemical Engineering, McGill University</td>
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<td>John E. Turri</td>
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<td>Rudolf Uher</td>
<td>Department of Psychiatry, Dalhousie University</td>
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<td>Katherine White</td>
<td>Sauder School of Business, The University of British Columbia</td>
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<tr>
<td>Andrew Woolford</td>
<td>Department of Sociology, University of Manitoba</td>
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<tr>
<td>Stephen Isaac Wright</td>
<td>Department of Ecology and Evolutionary Biology, University of Toronto</td>
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<tr>
<td>Tze Wei (John) Yeow</td>
<td>Waterloo Institute for Nanotechnology, University of Waterloo</td>
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<tr>
<td>Sandra Zilles</td>
<td>Department of Computer Science, University of Regina</td>
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ANNUAL REPORT 2016
### Medals & Award Winners

#### Bancroft Award
For instruction and research in the science of geology.
- **Barbara Sherwood Lollar**  
  *Department of Earth Sciences*  
  *University of Toronto*

#### Centenary Medal
For outstanding contributions to the objectives of the Society.

#### Flavelle Medal
For meritorious achievement in biological science.
- **Sylvain Moineau**  
  *Faculté des sciences et de génie*  
  *Université Laval*

#### Ursula Franklin Award in Gender Studies
For contributions to furthering our understanding of issues concerning gender.
- **Lorraine Code**  
  *Department of Philosophy*  
  *York University*

#### Innis-Gérin Medal
For a distinguished and sustained contribution to the literature of the social sciences.
- **John Hall**  
  *Department of Sociology*  
  *McGill University*

#### McLaughlin Medal
For important research of sustained excellence in medical science.
- **Vladimir Hachinski**  
  *Department of Clinical Neurological Sciences*  
  *Western University*

#### McNeil Medal
For the public awareness of science.
- **Françoise Baylis**  
  *Faculty of Medicine*  
  *Dalhousie University*

#### Willet G. Miller Medal
For outstanding research in any branch of earth sciences.
- **Anne de Vernal**  
  *Département des sciences de la terre et de l’atmosphère*  
  *Université du Québec à Montréal*

#### Flavelle Medal
For meritorious achievement in biological science.

#### Ursula Franklin Award in Gender Studies
For contributions to furthering our understanding of issues concerning gender.
- **Stéphanie Roberge**  
  *Canadian Institutes of Health Research*  
  *Université Laval*
- **Aimee Lee Houde**  
  *Natural Sciences and Engineering Research Council*  
  *Western University*
- **Jenna Healey**  
  *Social Sciences and Humanities Research Council*  
  *Yale University*
- **Marie-Eve Ouellet**  
  *Social Sciences and Humanities Research Council*  
  *York University*

#### J.B. Tyrrell Medal
For outstanding work in the history of Canada.
- **Michael Behiels**  
  *Department of History*  
  *University of Ottawa*

#### Alice Wilson Award
To women of outstanding academic qualifications in the Arts and Humanities, Social Sciences or Science who are entering a career in scholarship or research at the postdoctoral level.
- **Jenna Healey**  
  *Social Sciences and Humanities Research Council*  
  *Yale University*
- **Aimee Lee Houde**  
  *Natural Sciences and Engineering Research Council*  
  *Western University*
- **Marie-Eve Ouellet**  
  *Social Sciences and Humanities Research Council*  
  *York University*
- **Stéphanie Roberge**  
  *Canadian Institutes of Health Research*  
  *Université Laval*
Institutional Members

The Institutional Member Programme of the Royal Society of Canada is unique in the world. The formalized collaboration between a country’s National Academy and its universities does not have an analog. This situation reflects the tremendous dynamism of the Canadian post-secondary intellectual community, as well as the desire among Canadian universities to support a National Academy that regroups scholars and artists in service in Canada. The RSC’s Institutional Members are the source of most of the Fellows and Members of the College; they are the site of many of the Society’s programmes; they are strong allies in promoting a culture of knowledge to government and the media; they are key partners in building relationships with Non-governmental organizations (NGOs) and government funding agencies to pursue scholarly achievement in Canada; and representatives of Institutional Members play an important role in the governance of the Society. In July 2016, Lakehead University joined the RSC as the 55th Institutional Member.
The Academies

The RSC elects approximately 85 Fellows per year. The RSC also elects up to 6 Specially Elected Fellows per year, for contributions to the objectives of the society other than by scholarship and research. In addition, a maximum of 4 Foreign Fellows are elected annually. There is a considerable investment of time required to review and rank the multiple submissions received annually. This important work is essential to the Society and is done by over 80 Fellows who volunteer their time to sit on the Divisional and Academy Fellow Selection Committees. Two dozen Fellows also serve on award committees. Without this commitment, the electoral process could not proceed. We are indebted to all those who invest such time and attention to ensure that the recognition of excellence remains the nec plus ultra of the RSC.

Academy editors worked throughout 2016 to publicize the work of Fellows. Many thanks are due to Simon Langlois and Kathleen Mahoney (Academy II), to Andrew Miall (Academy III), and to those Fellows who contributed to the content of these tri-annual Academy e-newsletters.

2016 was also witness to the continued trend of increasing attendance at annual meetings of the Divisions and Academies. These gatherings are opportunities for Fellows to participate directly in matters related to the election of Fellows, and to ask questions regarding the direction of the Society.
The College of New Scholars

Dr. Cynthia E. Milton, a full Professor and Canada Research Chair (Level 2) in Latin American History in the History Department at the Université de Montréal, became the 2nd President of the College of New Scholars, Artists and Scientists on November 18 in Kingston at the Annual Meeting of the RSC. Dr. Milton’s interdisciplinary research projects study truth commissions and alternative modes of truth-telling, and the artistic representation and cultural interventions in the constructions of historical narratives in the aftermath of state violence and during the era of transitional justice and human rights.

“I enthusiastically embrace the intellectual capital and the transdisciplinarity offered by the College, one that cuts across the traditional divisions of sciences, social sciences, arts and the humanities as well as across the diverse linguistic and cultural map of Canadian institutions of higher learning. I see the College as a unique institution that is able to respond to the challenges of today through broad creativity and innovation. For me, this is both the mandate of the College and also the vision expressed by many of the members of the College.”

-Incoming President Cynthia Milton

The College of New Scholars continued to expand its working groups and projects throughout 2016. Key events included:

**Frontiers of Science • March 13-17, Whistler, British Columbia**

The Royal Society of Canada, led by the College of New Scholars, partnered with the Royal Society in the United Kingdom to hold an international symposium in Whistler, British Columbia, a part of the Frontiers of Science series. The successful event saw over 40 speakers, including eight Members of the College, speaking on the following topics: Advanced Manufacturing, Environment and Agriculture, Health and Life Sciences, Information and Communication Technology, Natural Resources and Energy, and Science Policy. Based on the success of this event a second international Frontiers of Science symposium is being planned for 2017 between the College and the Japan Society for the Promotion of Science.

**Canadian Science Policy Conference • November 10, Ottawa, Ontario**

The College organized a panel presentation at the Canadian Science Policy Conference. The talk, led by College Members Alidad Amirfazli, Satinder Kaur Brar, and Karin Hinzer, and Vice-President of Engineering for Aviya Aerospace Systems Baktash Hamzehloo, discussed Connecting Academia with Industry. The panel explored ways that industry, government, and policy-makers can connect with academia and work together to bring about scientific innovation in Canada.
International Activities

Under the leadership of the Foreign Secretary of the RSC, Dr. Jeremy McNeil, the RSC was active in international fora and activities throughout 2016. These activities embraced all the disciplines represented by the Academies and the College.

The RSC continues to play an active role in both the IAP global network of science academies and the Inter-American Network of Academies of Science (IANAS). The RSC attended the IAP Conference on Science Advice and the 8th General Assembly in Hermanus, on February 28-March 2; and was re-elected to the IAP Executive at the general assembly for another three-year term.

The RSC was present at the following IANAS meetings.

- IANAS General Assembly • May 3-7, Rio de Janeiro, Brazil
- IANAS workshop “Food and nutrition security for the Americas” • September 18-20, Mexico City, Mexico
- IANAS Women for Science Programme • October 26-27, Caracas, Venezuela
- IANAS Water Programme • November 21-22, Medellin, Colombia

During the G7 Meeting in Tokyo, February 18-19, the RSC took part in the discussion and finalization of the three joint statements “Understanding, Protecting and Developing Global Brain Resources”, “Strengthening Disaster Resilience for Sustainable Development” and “Nurturing Good Scientists for the Future”.

In March, the Royal Society in the United Kingdom and the Royal Society of Canada organised a multidisciplinary Frontiers of Science meeting of young scientists/social scientists in Whistler; 25 selected by each of the two Academies. The goals were to bring future leaders together in an environment to encourage informal networking and discussion, as well as explore opportunities for international and cross-disciplinary collaboration.

The RSC was also represented in Jerusalem, December 11-14 at the Bi-national Meeting in the Humanities. The theme was “Between Literature and History” and is the second bilateral conference with the Israel Academy of Sciences and Humanities. Prof. Kevin Kee is responsible for the programme, working with Foreign Secretary Jeremy McNeil, and Irving Abella, President of Academy I.
The Advisory Role of the RSC

The Committee on Expert Panels (CEP) was once again very active throughout 2016 in ensuring the RSC fulfils its advisory capacity.

ADVISING THE GOVERNMENT

The Government of Canada has solicited the RSC for advice on three occasions this year, and the CEP has been called upon to prepare feedback from its membership.

Chief Science Advisor: In 2015 the RSC published a Position Paper that called for the establishment of a Chief Scientist to coordinate and ensure evidence-informed decision-making in Canada. In 2016, the Honourable Kirsty Duncan, Minister of Science, wrote to the RSC asking for advice on the establishment of the position of Chief Science Officer. The RSC’s response incorporated feedback from a number of Fellows who had a depth of experience in the area, and was well-received by Minister Duncan.

Federal Sustainability Development Strategy: The federal government sought feedback from the RSC and all Canadians on their draft Federal Sustainability Development Strategy. Members of the RSC community who were well suited to answer the questions in the five topic areas were contacted, and their responses were compiled into a document that was shared with the Honourable Catherine McKenna, Minister of Environment and Climate Change.

Review of Fundamental Science: The government established an independent advisory panel to review its support for fundamental science. The RSC solicited feedback from all Fellows and College Members, asking them to address the questions laid out by the review panel. Responses were received from 66 Members, which were forwarded to the panel.

REPORTS FROM ABROAD

The Committee on Expert Panels has partnered with the National Academies of Science (NAS) in the United States and the Royal Society in the United Kingdom to provide audiences here with a “Canadian Perspective” on selected Expert Panel reports. The CEP invited Canadian experts, including RSC Fellows, to introduce the Report from Abroad and share the reasons why these were important to Canadians. Five Reports from Abroad were published in 2016.

Mitochondrial Replacement Techniques: Ethical, Social and Policy Considerations • March 1, Françoise Baylis, FRSC, Dalhousie University

Commercial Motor Vehicles Driver Fatigue, Long-Term Health, and Highway Safety: Research Needs • April 4, Alistair MacLean, Queen’s University

Preventing Bullying Through Science, Policy, and Practice • June 28, Wendy Craig, FRSC, Queen’s University

Experiences and Prospects for Genetically Engineered Crops • July 7, Loren Reiseberg, FRSC, The University of British Columbia

Genes in the fast lane: The implications of new gene drive technology • August 11, Sally Otto, FRSC, The University of British Columbia
Annual General Meeting

The RSC was honoured to bring the 2016 Annual General Meeting (AGM) to Kingston, Ontario. Since 1883, the AGM has been the intersection of Canada’s senior-most humanists, artists and scientists. In more recent years, the arrival of the College has infused considerable new energy and dynamism to the weekend. During November 17-20, 2016, the RSC inducted 100 new Fellows and 78 new Members of the College of New Scholars, Artists and Scientists. The Society also honoured this year’s 17 winners of our Medals and Awards.

The weekend’s activities in Kingston included an event investigating the future of research in the era of the Truth and Reconciliation Commission (TRC). Our distinguished panel consisted of new Honorary Fellows, Cindy Blackstock and John Ralston Saul, as well as Margaret Kovach and Carrie Bourassa, both of whom have recently been elected to the College of New Scholars. From these beginnings the RSC will be in a position to craft a TRC action plan.

The Big Thinking Breakfast, organized in cooperation with The Canadian Federation for the Humanities and Social Sciences, featured College Member Catherine Middleton of Ryerson University. The lecture challenged assumptions about digital literacy across all segments of the population and outlined policy actions needed to advance digital inclusion for all.

The Reception and Gala hosted dozens of universities and hundreds of scholars at the Rogers K-Rock Centre. Together, over 400 guests celebrated the remarkable wealth of talent, knowledge and innovation in Canada. RSC Fellow and co-recipient of the 2015 Nobel Prize in Physics, Dr. Arthur McDonald, provided a keynote address, and proceeds from the evening’s auction were contributed to the First Nations Child and Family Caring Society of Canada. This charitable organization, led by Cindy Blackstock, FRSC, provides high quality resources to support First Nations communities to empower children, youth and families.

SPONSORS

The RSC would like to thank all of the institutions whose support made the 2016 Annual General Meeting such a memorable occasion. In particular, special thanks to Queen’s University, the AGM 2016 Presenting Sponsor.

Excellence Level

Promote Level

Recognize Level

Advise Level
Romanowski Lectures • February 3, Peterborough, Ontario, and April 21, Trois-Rivières, Quebec

Towards ecosystem management of the Canadian boreal forest: Dr. Yves Bergeron, FRSC, Professor at Université du Québec en Abitibi-Témiscamingue and at Université du Québec à Montréal, discussed research collaborations that are under way to develop these new approaches. The Canadian boreal forest constitutes one of the last frontier forests in the world. But it is a forest under pressure.

Eastern Ontario Seminar • April 9, Kingston, Ontario

The annual seminar and lunch for Fellows, guests, and visitors is supported financially by contributions from the Royal Society of Canada, the Principal of Queen’s University, individual donors, and a nominal per person charge. The talks are open to the university community and the public.

The 2016 Eastern Ontario Seminar was presented by: François Rouget, FRSC, Department of French Studies, Queen’s University; Guy Narbonne, FRSC, Department of Geological Sciences and Geological Engineering, Queen’s University; Karin Hinzer, College of New Scholars, Artists and Scientists, Centre for Research in Photonics, School of Electrical Engineering and Computer Science, University of Ottawa; and George Lovell, FRSC, Department of Geography and Planning, Queen’s University.

Walter House Reception • May 10, Ottawa, Ontario

The RSC hosted an open house reception to recognize Fellows, College Members, Institutional Members, and various supporters who generously donated to the Society and to the Walter House campaign. Guests included members from sister organizations and some members from the diplomatic community from countries where the RSC developed international programming.

Congress 2016 • May 29, Calgary, Alberta

In May 2016, the RSC partnered with The Canadian Federation for the Humanities and Social Sciences to host a moderated discussion on The Future of end-of-life decision-making in Canada. Panelists Jocelyn Downie, FRSC, and Daniel Weinstock participated in a discussion moderated by RSC President Maryse Lassonde to explore what the new developments meant for the future of end-of-life decision-making in Canada.

Canadian Science Policy Conference • November 9, Ottawa, Ontario

The RSC organized a presentation at the Canadian Science Policy Conference titled “What is needed for Canada’s Climate Change Strategy?” The panel was moderated by Dr. John Smol, FRSC (Queen’s University), and included presentations from Dr. Mark Jaccard, FRSC, an economist and energy systems modeller from Simon Fraser University, Dr. Catherine Potvin, FRSC, of the Department of Biology at McGill University and Arlene Strom, Vice-President, Sustainability and Communications, Suncor Energy Inc.

Book Launch with Steve Paikin • November 30, Ottawa, Ontario

In November 2016, the RSC hosted Canadian journalist, author, and documentary producer, Steve Paikin to promote the launch of his new book, Bill Davis: Nation Builder, and Not So Bland After All.
Bacon & Eggheads

The Partnership Group for Science and Engineering (PAGSE), in partnership with the Natural Sciences and Engineering Research Council (NSERC), CANARIE Inc., and many other organizations sponsors a monthly breakfast meeting held on Parliament Hill, known as Bacon and Eggheads. Speakers at the meetings inform parliamentarians about recent advances in science and engineering. In 2016 PAGSE organized the presentations listed below.

- Permafrost science heats up: understanding and preparing for change in northern landscapes • February 4, Christopher Burn, Carleton University
- Rethinking cyberattacks: New strategies to counter the mounting costs to business and threats to Canada’s security • March 10, Scott Knight, Royal Military College of Canada
- Exploring a simulated brain: from human behaviour to drug effects • April 14, Chris Eliasmith, University of Waterloo
- Keeping food available and affordable: a twenty-first century challenge • May 12, Jean Caron, Université Laval
- Crude oil on water - an expert perspective on spills, their impacts and remediation • June 9, Kenneth Lee, Commonwealth Scientific and Industrial Research Organisation (CSIRO)
- Living with Forest Fires: Lessons from Fort McMurray • September 29, Mike Flannigan, University of Alberta
- The great biodiversity challenge: Conserving nature through a century of unprecedented change • October 27, Jeremy Kerr, University of Ottawa
- Canadian nanorobots: an option for fighting cancer? • December 1, Sylvain Martel, Polytechnique Montréal
RSC Atlantic is a unique initiative with a mandate to promote the Royal Society in Atlantic Canada. This programme was established in 2008 due to a generous gift from Sandra and Arthur Irving.

RSC Atlantic fulfils its mandate by ensuring that nominations from the Atlantic region are put forward to the selection committees for the Fellowship, the College and the Awards and Medals program, by coordinating Open Academy events, Symposia and Member Lectures and by proposing representatives for RSC Committees, working groups, and Expert Panels.

We sincerely thank the following Fellows and College Members for their hard work and leadership in building the Atlantic regional initiative into a solid program: Gwendolyn Davies, University of New Brunswick, Co-Chair; Christl Verduyn, Mount Allison University, Co-Chair; John Archibald, Dalhousie University; Bernard Boudreau, Dalhousie University; Herménégilde Chiasson, Université de Moncton/Mount Allison University; Ashlee Cunsolo, Labrador Institute/Memorial University; Barbara Neis, Memorial University; and Elaine Simpson, Administrative Assistant.

RSC Atlantic engages RSC Fellows, College Members, Institutional Members, as well as private sector supporters and Atlantic Canadians through “Open Academy” events, symposia, and lectures. RSC Atlantic organized a wide variety of events over 2016. These included:

**SYMPOSIA**

Our Excluded Past: WW and Discriminatory Enlistment • October 21, Acadia University

Asking the Big Questions: What Would a Sustainable Newfoundland and Labrador Look Like Post Oil-Dependency • November 1-3, Memorial University

Creative City: Arts, Science, & Literature 1867-1967 • November 25-26, New Brunswick Museum

**GATTACA:** Film screening and expert-led panel discussion on the science and ethics of germline gene modification • November 28, QEII Royal Bank Theatre, Halifax Infirmary

**OPEN ACADEMIES**

Sexualized Violence on Canadian Campuses: Challenges & Changes • January 12, Saint Mary’s University

Wrinkles - Alzheimer’s and Aging: Finding our way forward together Event Series • January 18, Dalhousie University

Margaret Lock: “The Alzheimer Conundrum” • January 25, Dalhousie University

The Future, the Arts, and Ecology • March 5, Memorial University

Play-Doh Republic: Controlling Human Evolution from ancient Greece to the Age of CRISPR • June 24, Dalhousie University

Political Animals • July 28, Dalhousie University

**Nation2Nation Indigenous Speaker Series** • September 2015 and Ongoing, Cape Breton University

**To Do Our Share:** The African Canadian Experience in World War 1 • October 21, Acadia University

Mount Allison Breakfast Chat: Growing up with a complex health condition • December 3, Mount Allison University
Administration & Governance

RSC COUNCIL
President • Maryse Lassonde (2014-2017)
President Elect • Chad Gaffield (2016)
President, Academy of the Arts and Humanities • Irving Abella (2015-2017)
President Elect, Academy of the Arts and Humanities • Jean Grondin (2016)
President, Academy of Social Sciences • Constance Backhouse (2015-2017)
President Elect, Academy of Social Sciences • Alain G. Gagnon (2016)
President, Academy of Science • Jamal Deen (2015-2017)
President Elect, Academy of Science • Vijaya Raghavan (2016)
Honorary Secretary • Sheila Embleton (2015-2018)
Honorary Treasurer • Jean-Marie Toulouse (2015-2017)
Foreign Secretary • Jeremy McNeil (2011-2017)
Chair, Committee on Expert Panels • David Layzell (2013-2016)
Chair, Awards and Recognition Committee • Jacques Lévesque (2015-2018)
Chair, Committee for Equity and Diversity • Carl James (2015-2017)
Chair, Committee on Intervention • Pekka Sinervo (2015-2017)
Institutional Member Representative • David Barnard (2015-2017)
Institutional Member Representative • Robert Proulx (2015-2017)
External Member • Chris Loreto (2014-2017)
Secretary, Academy of the Arts and Humanities • Gonia Jarema (2015-2017)
Secretary, Academy of Social Sciences • Joseph Yvon Thériault (2015-2017)
Secretary, Academy of Science • Jacques Derome (2014-2016)

RSC SECRETARIAT
Executive Director • Darren Gilmour
Comptroller, Finance • Linda Clauson
Director, Operations • Louise Joly
Manager, Fellowship and Awards • Marie-Lyne Renaud
Manager, Communications and Publications • Erika Kujawski
Manager, Expert Panels and The College • Russel MacDonald
Manager, Partnership Group for Science and Engineering (PAGSE) • Donna Boag
Standing Committees

FINANCE AND AUDIT COMMITTEE
Jean-Marie Toulouse, Honorary Treasurer
Greg Kealey, Academy I Representative
Jean-Thomas Bernard, Academy II Representative
Mark Sutton, Academy III Representative
Caroline Davis, External Representative
Sheila Embleton, Ex Officio
Maryse Lassonde, President (non-voting member)
Darren Gilmour, Executive Director (invitee)
Linda Clauson, Comptroller (invitee)
Louise Joly, Director of Operations (minute taker, invitee)

HUMAN RESOURCES COMMITTEE
David Barnard, Chair
Jean-Marie Toulouse, Honorary Treasurer
Irving Abella, President, Academy I
Constance Backhouse, President, Academy II
Elvio Buono, Associate Vice-President, HR, University of Ottawa
Maryse Lassonde, President (invitee)
Darren Gilmour, Executive Director (invitee)

GOVERNANCE AND ETHICS COMMITTEE
Yvan Guindon, Chair (Past-President)
William Leiss (Past-President)
Patricia Demers (Past-President)
Paul R. Young
Stuart Murray, The College
How to Support the Mission

OPPORTUNITIES FOR GIVING

The Royal Society of Canada is a Charitable Organization, (Charitable Reg. #10793 5991 RR0001). Donations and Sponsorships from both private and corporate entities enable the Royal Society of Canada to pursue its core mission and mandate.

ANNUAL FUND

The Annual Fund enables the Royal Society of Canada to undertake programmes in support of its core mission and mandate. These programmes include interdisciplinary bilateral events with other national academies, and enhanced communications with Fellows.

EXPERT PANEL FUND

The Expert Panels Fund enables the Royal Society of Canada to further its mission to Advise. The fund supports independent, comprehensive, and evidence-based studies in matters of importance to Fellows and to Canadians.

COLLEGE FUND

The College Fund enables the College of New Scholars, Artists and Scientists to develop and support its programming at this formative stage of its constitution. The College is Canada’s first national system of multidisciplinary recognition for the emerging generation of Canadian intellectual leadership.

WALTER HOUSE CAMPAIGN

Having been instigated by the leadership gift of Bill Leiss, the Walter House Campaign’s objective is to assist in the renovations and upgrades to RSC’s national headquarters.

SPONSORSHIP OPPORTUNITIES

The RSC has numerous sponsorship opportunities and benefits programmes for its annual Celebration of Excellence event (formerly AGM), and a variety of national and international events.

PLANNED GIVING OPTIONS

For individuals who would prefer to leave a legacy gift, a table listing the ways to support the Society can be found at the following link: https://rsc-src.ca/en/support-rsc/ways-to-give/estate-giving

For further details on how you can become an RSC supporter, please contact Darren Gilmour, Executive Director at 613-991-6990 Ext. 101 or dgilmour@rsc-src.ca.

FINANCIAL STATEMENTS

The Balance Sheet and Statement of Revenue and Changes in Fund balances for the 12-month period of July 1, 2015 to June 30, 2016 audited by Deloitte, follow on the next two pages.

The full set of Financial Statements including the accompanying notes can be viewed on our website, www.rsc-src.ca, in the “Our Society” section under “Our Purpose”.

The College of New Scholars, Artists and Scientists
Le Collège de nouveaux chercheurs et créateurs en art et en science
### Balance Sheet

**The Royal Society of Canada**  
Balance sheet  
as at June 30, 2016

<table>
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<tr>
<th>General Fund</th>
<th>Administrative Fund</th>
<th>Awards Trust Fund</th>
<th>Endowment Fund</th>
<th>Fonds d'administration générale</th>
<th>Fonds de fiducie des distinctions</th>
<th>Fonds de dotation</th>
<th>2016</th>
<th>2015</th>
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<td><strong>Assets</strong></td>
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<td>Cash</td>
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<td>520,044</td>
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<td>342,261</td>
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<td>Interfund receivable (payable)</td>
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<td>(20,178)</td>
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<td>Transferts à recevoir (à payer)</td>
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<td>Prepaid expenses</td>
<td>25,045</td>
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<td>25,045</td>
<td>57,281</td>
<td>Frais payés d'avance</td>
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<td>Investments (note 4)</td>
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<td>1,968,235</td>
<td>1,563,962</td>
<td>2016</td>
<td>1,543,784</td>
<td>8,450,130</td>
<td>8,507,886</td>
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<td>Capital assets (note 5)</td>
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<td><strong>Total assets</strong></td>
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<td>1,543,784</td>
<td>2016</td>
<td>8,450,130</td>
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<td><strong>Liabilities</strong></td>
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<td>Accounts payable and accrued liabilities (note 6)</td>
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<td>Créditeurs et charges à payer (note 6)</td>
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<td>Deferred memberships</td>
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<td>Adhésions reportées</td>
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<td>Current portion of deferred life memberships (note 7)</td>
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<td>45,863</td>
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<td>Portion à court terme des adhésions à vie (note 7)</td>
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<td>Deferred sponsorships for events</td>
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<td>97,500</td>
<td>Parrainages reportés pour les événements</td>
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<td>Deferred contributions (note 8)</td>
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<td>1,196,910</td>
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<td>Apports reportés (note 8)</td>
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<td><strong>Fund balances</strong></td>
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<td>Invested in capital assets</td>
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<td>285,804</td>
<td>213,763</td>
<td>Investis en immobilisations corporelles</td>
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<tr>
<td>Externally restricted</td>
<td>-</td>
<td>-</td>
<td>1,543,784</td>
<td>1,543,784</td>
<td>1,543,784</td>
<td>Affecté d'origine externe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrestricted</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Non affecté</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total liabilities and fund balances</strong></td>
<td>5,237,216</td>
<td>1,669,130</td>
<td>1,543,784</td>
<td>2016</td>
<td>8,450,130</td>
<td>8,507,886</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approved on behalf of the Council

**Jean-Marc Toulouse**  
Honorable Treasurer  
Tresorier honoraire

**Sheila Embleton**  
Honorable Secretary  
Secrétaire honoraire

The accompanying notes form an integral part of these financial statements.

Les notes complémentaires font partie intégrante de ces états financiers.

Page 3
### The Royal Society of Canada

**Statement of revenue and expenses and changes in fund balances**

Year ended June 30, 2016

<table>
<thead>
<tr>
<th></th>
<th>General Administration Fund</th>
<th>Awards Trust Fund</th>
<th>Endowment Fund (note 12)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(12 months)</td>
<td>(17 months)</td>
<td>(12 months)</td>
<td>(17 months)</td>
</tr>
<tr>
<td></td>
<td>$</td>
<td>$</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td><strong>Revenue</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memberships</td>
<td>884,730</td>
<td>970,479</td>
<td>-</td>
<td>1,855,209</td>
</tr>
<tr>
<td>Events and programs</td>
<td>604,236</td>
<td>412,999</td>
<td>-</td>
<td>1,017,235</td>
</tr>
<tr>
<td>Investments</td>
<td>29,548</td>
<td>125,589</td>
<td>10,794</td>
<td>146,343</td>
</tr>
<tr>
<td>Program activities</td>
<td>34,699</td>
<td>113,130</td>
<td>7,476</td>
<td>155,295</td>
</tr>
<tr>
<td>Deferred life members</td>
<td>47,805</td>
<td>55,153</td>
<td>-</td>
<td>102,958</td>
</tr>
<tr>
<td>Amortization of deferred capital contributions</td>
<td>40,945</td>
<td>43,926</td>
<td>-</td>
<td>84,871</td>
</tr>
<tr>
<td><strong>Donations and fundraising</strong></td>
<td>108,383</td>
<td>34,926</td>
<td>2,000</td>
<td>145,309</td>
</tr>
<tr>
<td>Other revenue</td>
<td>7,043</td>
<td>193,194</td>
<td>-</td>
<td>200,237</td>
</tr>
<tr>
<td><strong>Total revenue</strong></td>
<td>1,677,399</td>
<td>1,949,440</td>
<td>184,356</td>
<td>2,111,195</td>
</tr>
</tbody>
</table>

|                      | 1,547,860                  | 1,543,780        | 115,255                  | 1,669,607 |

| **Expenses**         |                           |                  |                          |       |
| Accommodation and travel | 110,437                  | 147,699          | 4,162                    | 152,124 |
| Amortization of capital assets | 44,721                    | 61,775           | -                        | 106,496 |
| Bad debts (recovery)  | (1,318)                    | 20,859           | -                        | 22,177 |
| Communications        | 77,302                     | 122,762          | -                        | 199,984 |
| Equipment, software, online subscriptions | 20,662 | 41,384 | - | 61,946 |
| Facilities, catering, audio, visual | 265,777 | 225,138 | 8,573 | 299,428 |
| Gifts, awards, recognitions | 6,143                      | 14,510           | 8,573                    | 29,226 |
| Human resources       | 823,977                    | 1,154,724        | -                        | 1,978,697 |
| Investment management fees | 12,003                    | 14,790           | 14,495                   | 30,685 |
| Interest on demand loan | 26,076                    | 36,842           | -                        | 62,918 |
| Offices facilities    | 64,999                     | 87,995           | -                        | 152,994 |
| Photo, video, floral, music | 16,401                    | 23,047           | -                        | 39,448 |
| Program activities    | 37,391                     | 113,130          | -                        | 150,521 |
| Supplies              | 7,175                      | 9,172            | -                        | 16,347 |
| Walter House Project  | 407                        | 13,340           | -                        | 13,747 |
| Other expenses        | 25,246                     | 21,623           | -                        | 46,869 |
| **Total expenses**    | 1,536,999                  | 2,109,101        | 27,230                   | 2,773,330 |

| Excess (deficiency) of revenue over expenses | 140,400 | (159,655) | (14,438) | 149,999 | (4,076) | 168,204 | 121,888 | 158,508 |
| Fund balances, beginning of period | 1,040,351 | 1,178,006 | 1,697,566 | 1,569,607 | 1,547,860 | 1,379,656 | 4,285,777 | 4,127,269 |
| Interfund transfers (note 11) | 14,000 | 22,000 | (14,000) | (22,000) | - | - | - | - |
| Fund balances, end of period | 1,194,751 | 1,040,351 | 1,669,130 | 1,697,566 | 1,543,784 | 1,547,860 | 4,407,665 | 4,285,777 |

The accompanying notes form an integral part of these financial statements.

Les notes complémentaires font partie intégrante de ces états financiers.