

Canadian Council on Animal Care
Conseil canadien de protection des animaux

Good Animal Practice in Science
Bonnes pratiques animales en science



Canadian Council on Animal Care

Annual Report 2007-2008

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INTRODUCTION

The Canadian Council on Animal Care (CCAC) is an autonomous and independent body, created in 1968 to oversee the use of animals in science in Canada. The CCAC is registered as a not-for-profit organization, and is financed primarily by the Canadian Institutes of Health Research (CIHR) and the Natural Sciences and Engineering Research Council (NSERC), with additional contributions from federal science based departments and private institutions participating in its programs. It is governed by a Council of representatives from 24 national organizations.

The CCAC acts as a quasi-regulatory body and sets standards on animal use in science that apply across Canada. It is accountable to the general public and is responsible for the dissemination of information on the use of animals in science to Canadians. The CCAC develops guidelines, policies and comprehensive annual statistics on the number of animals used in science, and produces an annual report to disseminate information to its constituents and the general public. The present report covers activities undertaken by the CCAC from April 1, 2007 to March 31, 2008.

CCAC's GRANT SUBMISSION TO CIHR AND NSERC FOR 2008-2011

The CCAC grant application, titled Achieving Sustainable Good Animal Practice[®] in Science, was delivered to the granting Agencies on December 14, 2007. The CCAC sought a 39% increase in budget over the 2008-2011 term to: (i) consolidate progress achieved over the past six years amid previous chronic under funding; (ii) address the increasing deficit of funding for services to academic institutions; and (iii) meet the growing needs of its academic clients in a sustainable manner. The operations of the CCAC were reviewed

by the CIHR/NSERC Evaluation Committee on March 10, 2008.

In a May 9, 2008 letter, the presidents of NSERC and the CIHR confirmed a 37.3% increase in the 2008-2011 three-year grant of the CCAC. This unprecedented success rate of 96% of the requested funding is a clear indication of the granting Agencies and the scientific community's strong support for the CCAC and the continuation of its activities.

HARRY C. ROWSELL AWARD FOR OUTSTANDING SERVICE TO THE CCAC

The Harry C. Rowsell Award for Outstanding Service to the CCAC is the highest honour bestowed upon individuals who have made truly outstanding contributions to the CCAC and its programs. In exceptional circumstances, more than one award can be bestowed upon meritorious candidates in a given year. Drs. Edwin Kroeger and Peter Flanagan were nominated for their joint sem-

inal contributions in leading the CCAC through times of unprecedented difficulties in the late 1990s towards the present well-structured, nationally and internationally recognized CCAC system. The nomination of Drs. Kroeger and Flanagan received unanimous support from the Award Selection Committee, the CCAC Board of Directors and CCAC Council members.



REVIEW OF THE STRUCTURE AND OPERATIONS OF COUNCIL

On May 11, 2006, the President of the Royal Society of Canada (RSC), Dr. Patricia Demers, inquired whether continued representation on Council was a good and feasible idea, given that animal use is not a large domain within the RSC. On March 4, 2007, the Executive Director of the Royal Society of Canada confirmed that the RSC did not wish to continue to be represented on the CCAC Council.

On September 30, 2007, Council members approved the appointment of the Canadian Veterinary Medical Association (CVMA) to regular membership on Council from a limited term appointment. At the same meeting Council also approved the appointment of the Canadian Federation of Biological Societies as a limited term member for a three-year term. Both appointments were effective April 1, 2008.

RECOGNITION OF CCAC STANDARDS

1. At the National Level

In Canada, the use of animals in science is a provincial responsibility, with the guidelines and policies set by the CCAC serving as national reference standards. The provincial legislations in five of the six provinces that have legislated on the matter make specific references to the CCAC guidelines and policies. The CCAC encourages federal and provincial regulators and funders of animal research to reference the CCAC standards in their legislation and programs.

Canadian Veterinary Medical Association (CVMA)

The following agreement has been reached, effective August 10, 2007: "That the CCAC accepts CVMA accreditation as evidence of pedagogical merit of live animal use by the Animal Health Technician/Veterinary Technician (AHT/VT) colleges; and that the CVMA recognizes the CCAC Certificate of GAP – Good Animal Practice® as tangible evidence of a program's commitment to appropriate animal care and use, and to high standards of animal welfare." Accordingly, the CVMA has accepted the CCAC Certificate of GAP – Good Animal Practice® as a requirement for CVMA AHT/VT training program accreditation.

Experts Committee for Human Research Participant Protection in Canada

A one-hour presentation on the CCAC structure and function was given by the Executive Director to members of the Experts Committee for Human Research Participant Protection in Canada on October 23, 2006.

The draft report of the Experts Committee, *Moving Ahead*, was published on August 15, 2007 (www.hrppc-pphrc.ca). Under Section 2.5.7 of the report, the Experts Committee concluded that the CCAC model has a number of advantages in that it: promotes partnership with research organizations and a community of practice in Canada; successfully promotes a culture of good animal practice and care; provides effective leadership in Canada; provides national education workshops and supports local educational activities; has been a driver in promoting behavioural changes among investigators; facilitates development among policy, education and certification processes while minimizing conflicts of interest; has a broad stakeholder and volunteer base; has developed an effective compliance mechanism through its capacity to remove the Certificate of GAP – Good Animal Practice®; promotes continuous quality improvement within its organization through appropriate

feedback loops between policy generation, education and compliance activities; and is nationally and internationally recognized and respected.

The Experts Committee's recommended model borrows several key elements of the CCAC model, detailed under the attributes and functions of the proposed Canadian Council for the Protection of Human Research Participants (CCPHRP), at a cost five times the annual budget of the CCAC.

Environment Canada (EC) and Health Canada (HCan): New Substances Notification Regulations

The *New Substance Notification Regulations* are under development by EC-HCan to replace the current blanket research and development (R&D) exemption for organisms other than micro-organisms. In collaboration with the granting Agencies, the Association of Universities and Colleges of Canada (AUCC) and members of the CCAC Biotechnology Subcommittee, the CCAC developed a list of 23 veterinarians, laboratory managers, researchers and senior administrators of research institutions with backgrounds in scientific fields relevant to the objectives of the *New Substances Notification Regulations (Organisms)*. The list was delivered to EC-HCan on October 18, 2007 as part of the CCAC's contribution to the preparation of their December 5-6, 2007 second workshop on the proposed regulations. The Executive Director and Guidelines Program Director also participated in a November 20, 2007 teleconference with the workshop organizers to review the agenda and the appropriateness of representation.

The December 5-6, 2007 workshop included a much broader representation of stakeholders likely to be impacted by the proposed amendments to the regulations than had been present at the June 5-6, 2006 consultation. Representatives included those from the biomedical and biological funding agencies, researchers using genetically-engineered animals (GEAs), directors of animal facilities housing GEAs, companies engaged in commercialization of GEAs, and representatives from the EC-HCan's New Substance Program, as well as representatives from other government departments with a role in the regulation of genetically-engineered organisms.

The Phase II Discussion Document provided to participants prior to the workshop was a great improvement on previous discussion materials, and provided a useful framework for the consultation. On February 12, 2008, the CCAC posted an alert on the home page of its website with a link to the Phase II Discussion Document, and sent an e-mail information capsule urging its constituents to forward comments on the Phase II Discussion Paper to EC-HCan by February 29, 2008.

As a follow up to the December 5-6, 2007 workshop, the Executive Director and the Guidelines Program Director were invited to participate in a February 5, 2008 meeting of the funders of animal-based research, involving CIHR, NSERC, Genome Canada and the Health Charities Coalition of Canada, to define their collective views on issues arising from the workshop. Future steps were discussed with members of the CCAC Biotechnology Subcommittee at a February 5-6, 2008 meeting, in preparation for a February 15, 2008 meeting called by EC-HCan to receive the CCAC's feedback on the process to date, and to explore future collaborative involvement.

At the February 15, 2008 meeting with EC-HCan, it was agreed that a small expert working group was needed to classify organisms to be covered by the notification system; the CCAC offered assistance in identifying scientific experts. In parallel to this, an initiative to bring national organizations in charge of confinement and containment standards and guidelines together was initiated by the Canadian Food Inspection Agency (CFIA) in late March 2008. On the basis of knowledge collected from these two activities, a gap analysis will be conducted to ensure seamless certification for exemption from notification where justified.

National Animal Health Strategy (NAHS)

The scope and new directions imparted by this major initiative were first described publicly in the following excerpt from the May 20, 2007 speech of the Minister of Agriculture and Agri-Food Canada to representatives of the 116 other country members of the World Organization for Animal Health, formerly known as the Office International des Epizoties (OIE):



"We are advancing a comprehensive and inclusive National Animal Health and Welfare Strategy. This will be a first for our country. We want to enhance animal health across all sectors in Canada. This strategy will do that by integrating and aligning all the principles, policies, and approaches that guide public and private sector investments and decisions on animal health and animal welfare risk management, across all animal populations, and their interface with the human population."

The expansion of Canadian concerns from what used to be limited to trade-related livestock animal health issues to include **all** sectors and animal populations and animal **welfare** is new. This is based on the expansion of the definition of animal health adopted by the OIE members in 2004 to include animal welfare.

The CFIA is the designated home for the NAHS Secretariat, which is under the direction of Ms. Johanne Beaulieu. A March 15, 2007 meeting between CCAC directors and Ms. Beaulieu, and the participation of the CCAC Executive Director in the June 5-6, 2007 Multi-partners Workshop on the NAHS, led to an invitation to the CCAC to take an active part in the development of the strategy as it relates to animals used for scientific purposes. In order to provide expert advice in a timely manner over the coming year, at its June 21, 2007 meeting, the CCAC Board of Directors agreed to the creation of a CCAC Expert Working Group on the NAHS to provide expert opinion on all facets of animal use in science covered by the various CCAC guidelines subcommittees.

Seven of the fourteen members of the CCAC Working Group on the NAHS participated in the September 18-19, 2007 second Multi-Partner Workshop, held to determine the key focus areas that should be addressed by the NAHS. The Workshop Report was released on December 19, 2007 as a background document for the development of a draft discussion paper that outlined vision statements, strategic objectives and strategic actions to reach those objectives for the third Multi-Partner Workshop, held on January 15-16, 2008.

2. At the International Level

The CCAC monitors developments at the international level and entertains relationships with advisory and governing bodies and scientific societies interested in the use of animals in science. In addition, as per the CCAC Five-Year Plan 2004-2009, the harmonization of international standards is amongst the top priorities of the CCAC Guidelines Program. The following are supporting activities undertaken by the CCAC.

International Council for Laboratory Animal Science (ICLAS)

The Executive Director represented the CCAC at the June 9, 2007 meeting of the ICLAS Working Party on Harmonization to revise the draft documents produced by the ICLAS ad hoc committees on Protocol Review and on animal user training programs. This session was chaired by the President of ICLAS and CCAC Assessment Director, Dr. Gilles Demers. A session on Genetically-Engineered Animals held June 10, 2007 in Como, Italy, was co-chaired by Drs. Demers and Gilly Griffin. The Executive Director also participated in the June 12, 2007 ICLAS International Consortium meeting held in Como.

International Council for Laboratory Animal Science (ICLAS) – Federation of European Laboratory Animal Science Associations (FELASA)

Drs. Demers, Gauthier and Griffin participated in the 10th FELASA Symposium in Como, Italy on June 11-14, 2007. Dr. Demers gave a presentation entitled *Impact of Harmonization at the International Level*, and Dr. Gauthier gave a presentation on *National Guidelines on Emerging Issues in Support of International Harmonization*.

American Association for Laboratory Animal Science (AALAS)

Drs. Griffin, Michael Baar, Demers and Gauthier and Ms. Marie Bédard attended the 58th AALAS National Meeting in Charlotte, North Carolina in October 2007. With Drs. Denna Benn, University of Guelph, Chris Harvey-Clark, University of British Columbia, and Tom Moon, University of Ottawa, they participated in a seminar on October 15, 2007

on Best Practice Through Interpretation and Implementation of Canadian Animal Care and Use Guidelines on Fish, which was jointly organized by the Canadian Association for Laboratory Animal Science (CALAS), the Canadian Association for Laboratory Animal Medicine (CALAM) and the CCAC.

Sixth World Congress on Alternatives and Animal Use in Life Sciences (6WC)

Drs. Gauthier, Griffin and Demers, and Ms. Allison Guy, the CCAC Research Fellow, attended the 6th World Congress on Alternatives and Animal Use in the Life Sciences in Tokyo, Japan on August 21-25, 2007. The Executive Director chaired a session, Ethic Committees as an International Platform for Communication and Action on Implementation of the 3Rs, and gave two presentations, *The Institutional Animal Care Committee: Keystone of International Harmonization and Public Participation in Informed Decision-making on Animal Use in Canada*. Dr. Demers chaired the session on Globalization – Validation & International Cooperation, and gave a presentation entitled *The Impact of International Harmonization of Guidelines on Animal Welfare*.

Seventh World Congress on Alternatives and Animal Use in Life Sciences (7WC)

The CCAC Executive Director accepted an invitation to join the Steering Committee for the 7WC, to be held in Rome, Italy in August 2009.

Eighth World Congress on Alternatives and Animal Use in Life Sciences (8WC)

As per the proposal tabled with members of the Alternatives Conference Trust (ACT) in 2005, the

Executive Director met with members of the ACT in Tokyo on August 24, 2007 to express the CCAC's interest in hosting the 8th World Congress on Alternatives & Animal Use in the Life Sciences in Montreal in August 2011. The CCAC's offer was accepted.

3. Promoting the Principles of the Three Rs

On February 27, 2007, the Chair of the CCAC Task Force on the Three Rs, Dr. Andrew Tasker, concluded his final report to the Board of Directors by suggesting that “given the lack of personnel resources to support the Task Force, it may be appropriate to consider moving the Task Force to a subcommittee of the Guidelines Committee” to ensure appropriate on-going support for further work in the area of replacement, reduction and refinement alternatives. At its September 2007 meeting, the CCAC Board of Directors adopted a motion to strike a standing committee on the Three Rs which was endorsed by the CCAC Council at its March 10, 2008 meeting.

The CCAC hired an independent contractor to revise the Three Rs section of the CCAC website, as recommended by the former Task Force on the Three Rs. Initiated on November 5, 2007, the work delivered by early March 2008 included:

- a review of all materials related to Three Rs alternatives currently on the CCAC website, with rewrites where necessary; and
- a review of international websites on the Three Rs with recommendations of material that could be linked from the CCAC website.



RESULTS BY BUSINESS LINE

The activities conducted by CCAC's four business lines during Fiscal Year 2007-2008 are outlined in the following section.

1. Assessment

The keystone to the CCAC Assessment Program is the local animal care committee set up by each participating institution according to the *Terms of Reference for Animal Care Committees* established by the CCAC. The CCAC Assessment Program, through a peer review process, is responsible for overseeing the care and use of animals for scientific purposes in Canada. Assessment visits are conducted by multi-disciplinary teams of experts and community representatives.

1.1 Assessment Visits

Forty-six full assessment visits and twenty-five initial/orientation/special/interim visits were completed between April 1, 2007 and March 31, 2008. One institution from the private sector joined the CCAC Program in 2007-2008.

1.2 Assessment and Implementation Reports

Detailed reports are prepared following each assessment visit, which may include recommendations, where necessary, to improve animal care and use to a standard in keeping with CCAC guidelines. Sixty-four assessment reports were produced between April 1, 2007 and March 31, 2008, with an average production time of 8.3 weeks.

Institutions must submit implementation reports to address the recommendations expressed in their assessment report. In the past, delays in the processing of implementation reports have occurred when the Assessment Sector must request additional information from institutions that have submitted incomplete reports, or there is a lack of time on the part of the assessment directors to review the reports. Recruiting a manager of assessment communications has considerably improved implementation report processing timelines and

helped the Assessment Sector work towards its objective of processing complete and satisfactory implementation reports within eight weeks (from the day a complete implementation report is received until the day the Certificate of GAP – Good Animal Practice® is sent to the institution), and providing feedback to all institution in a timely manner.

1.3 Additional Assessment Sector Activities

Policy for Senior Administrators

The CCAC *policy statement for: senior administrators responsible for animal care and use programs* is intended to provide general guidance to senior administrators responsible for animal care and use programs by detailing their fundamental responsibilities in ensuring sound institutional standards of animal care and use. The policy was approved by Council in March 2008.

Revised Program Review Form

The CCAC *Animal Care and Use Program Review Form* (PRF) was originally developed primarily for larger institutions that use animals in a laboratory setting (most of the participants in the CCAC Program) but it has now been updated and adapted for institutions with smaller animal-based programs and for institutions that use fish, farm animals or wildlife. The most recent draft of the PRF was sent to 11 institutions for beta-testing and is being translated. Work is being actively undertaken with IT consultants to ensure that a user-friendly, web-based version will be available to all institutions. This will allow institutions to enter information on their animal care and use programs, which will be transferred into a database that will be easily searchable and usable by the Assessment Sector.

Revision of the Assessment Program section on the CCAC Website

The structure and content of the Assessment Program section of the CCAC website was entirely revised as of September 2007. It is now more user-

friendly, and includes additional information for panel members, institutions being assessed and animal care committee members.

Update on SharePoint

The Assessment Program site on the SharePoint portal is now used to communicate with Assessment Committee (AC) members for all assessment-related business. AC members have restricted access to the site, and can now review posted assessment and implementation reports. A different level of restricted access for panel members is currently being discussed. A new animal use database has also been created on the portal to ensure a higher level of security for confidential information provided by institutions. With the implementation of appropriate security features, this new database could eventually be used by institutions to enter their own animal use data.

CCAC Survey of Animal Use

The 2006 survey of animal use was posted on the CCAC website on December 20, 2007.

2. Guidelines

The delivery of the CCAC's mandate is based on guidelines and policies which give clear direction to institutional animal care and use programs. Guidelines are developed and revised in response to the current and emerging needs of the research community, advances in laboratory animal care, and the needs of the CCAC Assessment Program.

2.1. Guidelines Development

The following guidelines documents are currently under development.

CCAC guidelines on: the care and use of farm animals in research, teaching and testing

- Feedback from the final review is being incorporated and this document is nearing completion.

CCAC guidelines on: genetically-engineered animals

- The second draft is currently being finalizing for widespread review.

CCAC adopted guidelines on: euthanasia

- Feedback from the widespread review, which concluded on September 29, 2007, has been evaluated by the subcommittee and is currently being incorporated into a final draft of the guidelines.

CCAC guidelines on: the care and maintenance of marine mammals

- Feedback from the widespread review, held April 16–June 15, 2007, is being incorporated into the document to produce the final draft.

CCAC guidelines on: the procurement of animals used in science

- After receiving Council approval in fall 2007, the document underwent a final translation and was published on the CCAC website in February 2008.

CCAC adoption of Australian animal care and maintenance guidelines

- The subcommittee has reviewed the Australian care and maintenance guidelines for rats as a starting point for developing CCAC guidelines in this area.

2.2 Additional Guidelines Program Activities

Subcommittee functioning

The Farm Animals Subcommittee held a successful two-day meeting in Ottawa on April 17–18, 2007 to reach a consensus on outstanding issues and moved toward a final draft of the guidelines.

Members of the Testing Subcommittee were invited to a workshop involving representatives of the CCAC and six of Canadian regulatory agencies on April 27, 2007 in Ottawa. The purpose of the workshop was to gain a better understanding of the current requirements for animal use in support of risk assessment, and to discuss the impact of future directions, both nationally and internationally, on requirements for animal use. The workshop initiated a process to work toward agreement on common objectives and action items regarding the active and timely implementation of the Three Rs



by regulators and the CCAC. Proceedings from the workshop were sent to the Testing Subcommittee and representatives of regulatory agencies who had been invited to attend.

A Biotechnology Subcommittee meeting was held on February 5-6, 2008 in Ottawa to reach consensus on outstanding issues in the draft guidelines, such as the management of breeding colonies and the acquisition of information relating to the welfare of genetically-engineered animals. The subcommittee also discussed actions to be taken in light of the proposed changes to the EC-HCan *New Substance Notification Regulations (Organisms)*.

Guidelines implementation

The animal user training module on migratory birds, developed by the Canadian Wildlife Service (CWS), has been finalized and is posted on the CCAC website in both official languages. The species-specific recommendations on birds have also been posted on the website.

International harmonization

The following international meetings were attended by members of the Guidelines Sector:

- April 24-25, 2007 – meeting of the Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM) in Bethesda, Maryland;
- June 11-14, 2007 – 10th Federation of European Laboratory Animal Science Associations (FELASA) Symposium in Como, Italy, and satellite meeting for the ICLAS Working Group on Harmonization of guidelines on genetically-engineered animals;
- July 15-19, 2007 – International Congress of Toxicology meeting in Montréal, where a presentation on *Implementation of the Three Rs in Regulatory Testing* was given, and a poster, *Discovery in Toxicology: Serving Society Through the Ethical Use of Animals in Regulatory Testing* was presented;
- August 21-25, 2007 – 6th World Congress on Alternatives and Animal Use in the Life Sciences in Tokyo, Japan, where presentations were given: *Facilitation of an International*

Approach for Data Sharing and Acquisition in Relation to Genetically-engineered Animals; Categories of Invasiveness – a Precautionary Approach and Adopting Alternative Methods for Regulatory Testing in Canada; and a poster on Incentives and Impediments to Adopting Alternative Shellfish Testing Methods in Canada;

- October 15-17, 2007 – American Association for Laboratory Animal Science (AALAS) meeting in Charlotte, North Carolina, where a presentation on the CCAC fish guidelines was given; and
- November 2-3, 2007 – 4th annual meeting of the International Veterinary Academy of Pain Management (IVAPM) in Montréal, QC.

Interaction with the scientific community

The following scientific meetings were attended by members of the Guidelines Sector:

- May 10-11, 2007 – Colloque of the Association francophone pour le savoir (ACFAS) in Trois-Rivières, QC;
- June 3-5, 2007 – CALAS Symposium in Calgary, AB, where the Guidelines Program Director and the Past-Chair of CCAC Council, Dr. Alex Livingston, moderated the CCAC-sponsored scientific session, *Application of the Three Rs in Agricultural Research and Teaching*, where five members of the subcommittee on farm animals gave presentations;
- October 18-20, 2007 – the CVMA Animal Welfare Committee meeting in Saskatoon, SK;
- November 24, 2007 – meeting of le Réseau de recherche en transgénèse du Québec in Laval, QC; and
- November 16, 2007 – meeting of the National Research Council Joint Committee on Animal Care in Ottawa, ON, where a presentation titled *Developing guidelines on genetically-engineered animals* was given.

2.3 CCAC Fellowship

A paper coauthored by the first research fellow, Ms. Julie Comber, and the Guidelines Program Director was published in the Journal of Applied

Animal Welfare Science (JAAWS): Comber, J. & Griffin G. (2007) Genetic engineering and other factors that might affect human-animal interactions in the research setting. *JAAWS* 10(3):267-277.

The second research fellow, Ms. Guy, was actively involved in organizing the CCAC workshop with representatives of Canadian regulatory agencies. She also visited the Interagency Coordination Committee on the Validation of Alternative Methods (ICCVAM) and attended the International Congress on Toxicology and the 6th World Congress on Alternatives & Animal Use in the Life Sciences where she delivered presentations and posters. Ms. Guy received the Young Scientist Award for her poster at the 6th World Congress.

Ms. Guy completed a course in qualitative methods at the University of Ottawa. She finished collecting data for her case study on shellfish toxin testing and presented the results in a poster at the Society of Toxicology meeting in March 2008. As a follow up to her success at the 6th World Congress on Alternatives & Animal Use in the Life Sciences, she authored two papers published in the proceedings. She also gave a presentation at the European Centre for the Validation of Alternative Methods (ECVAM) Workshop on the current Canadian regulations, *Three Rs Approaches in the Production and Quality Control of Fish Vaccines*, and spent a week at ECVAM to gain an understanding of the role of ECVAM in supporting EU legislation and policy.

3. Education, Training and Communications

3.1 Training and Education

3.1.1 National Institutional Animal User Training (NIAUT) Program

A training module on migratory birds in research, prepared in collaboration with Canadian Wildlife Services, has been added to the CCAC website.

3.1.2 Workshops

The CCAC National Workshop 2007 was held on November 1, 2007 in Montréal, QC. A total of 240 participants registered for the workshop. Feedback from 126 of the participants is being used to prepare for the next CCAC National Workshop,

scheduled for early May 2009. This workshop will be held in Ottawa, ON, and delivered over a two day period to accommodate the growing number of participants and topics to be covered.

The CCAC sponsored a scientific session on Laboratory Animal Pain Management at the November 2-3, 2007 joint congress of the Ordre des médecins vétérinaires du Québec (OMVQ) and the International Veterinary Academy of Pain Management (IVAPM). Invited speakers included Drs. Alex Livingston, University of Saskatchewan, Coenraad Hendriksen, Netherlands Vaccine Institute, and Paul Flecknell, University of Newcastle, UK.

3.2 Communications

CCAC's 40th Anniversary

An announcement celebrating the CCAC's 40th anniversary was posted on the website and a 40th anniversary poster was produced that was circulated to CCAC constituents as an insert in the spring 2008 special edition of *RESOURCE*.

Parliamentarians

The *CCAC Annual Report 2006-2007* was made available online and distributed electronically on September 14, 2007. As in previous years, the report was mailed to all federal members of parliament and senators, with a cover letter explaining the role of the CCAC and the national and international recognition of its standards, and offering assistance with questions regarding animals used in science in Canada.

Information capsules

Information capsules on the following subjects were sent to constituents:

- April 18, 2007 – review of the draft CCAC *guidelines on: care and maintenance of marine mammals*
- April 19, 2007 – review of the draft CCAC *policy statement for: senior administrators responsible for animal care and use programs*
- May 31, 2007 – announcement of the CCAC National Workshop 2007 and the IVAPM/OMVQ Congress



- June 1, 2007 – review of the draft CCAC *policy statement for: senior administrators responsible for animal care and use programs*
- June 20, 2007 – review of the draft CCAC *guidelines on: care and maintenance of marine mammals*
- August 8, 2007 – review of the draft CCAC *guidelines on: laboratory animal procedures – adopted guidelines on euthanasia*
- August 23, 2007 - CCAC 2007-2008 services and fees
- October 5, 2007 – widespread review of the CCAC *guidelines on: laboratory animal procedures – adopted guidelines on euthanasia*
- October 9, 2007 – CCAC National Workshop 2007
- December 20, 2007 – results of the 2006 AUDF survey
- February 12, 2008 – reminder to submit comments regarding the *New Substance Notification Regulations*
- February 21, 2008 – CCAC *guidelines on: procurement of animals used in science*

Website

Quarterly website reports have confirmed a steady increase in traffic, with visits from other countries increasing at a faster rate than those from within

Canada. The most popular documents remain guidelines documents and the animal user training modules.

4. Finance

On September 29, 2007 the Finance Committee (FC) reviewed and approved the 2006-2007 auditors' report. The FC also reviewed the 2007-2008 first quarterly report, and the expenses of the CCAC directors to ensure expenditures are kept on target.

The FC reviewed the report of April 1-August 31, 2007 expenses by business lines (Assessments, Guidelines, and Education, Training and Communications), and found that the information outlined gave a good sense of how the budget covered each program.

The FC thoroughly reviewed the proposed three-year budget submitted in the December 14, 2007 grant application. Members advised some adjustments be made to account for more realistic cost increases. The Chair of the FC met with Dr. Gauthier on November 21, 2007 to further comment on the grant submission. He also participated in the March 10, 2008 meeting with members of the NSERC-CIHR Evaluation Committee reviewing the CCAC's grant submission.

Mark Evered, PhD
Chair (2007-2008), CCAC Council

APPENDIX I

CCAC SURVEY OF ANIMAL USE – 2006

Total of Animals Used in 2006 per Species

Species	Total in 2006
Amphibia	35,727
Cats	3,919
Cephalopods	24
Chinchilla	62
Dogs	9,552
Domestic Birds	116,691
Farm Animals	82,255
Fish	843,881
Fur Animals	2,047
Gerbils	1,516
Guinea Pigs	27,246
Hamsters	6,402
Marine Mammals	3,660
Mice	910,540
Miniature Swine	267
Non-Human Primates	4,363
Rabbits	18,152
Rats	331,560
Reptiles	6,019
Canadian Wild Species	131,858
Other Non-Canadian Species	248
Total	2,535,989

For more details, visit http://www.ccac.ca/en/Publications/New_Facts_Figures/intro.htm



APPENDIX II

MEMBERS ON CCAC ASSESSMENT PANELS

Scientific Members

- * Mrs. Jo-Ann Aubut, Algonquin College
Mr. John Batt, Dalhousie University
Dr. Jocelyn Beaucher, Université de Sherbrooke
- * Dr. Les Burrige, Fisheries and Oceans Canada, Maritimes Region
Ms. Linda Campbell, Vanier College
Ms. Suzanne Carioto, Centre hospitalier de l'Université de Montréal
- * Dr. Catherine B. Chan, University of Alberta
- * Dr. Joseph Davison, University of Calgary
Ms. Éline de Repentigny, Université du Québec à Trois-Rivières
- * Dr. Michel Flamand, Centre Hospitalier de l'Université Laval (CHUL)
- * Dr. Peter Flanagan, University of Western Ontario
- * Dr. Luc-Alain Giraldeau, Université du Québec à Montréal
- * Dr. Katherine Gottschall-Pass, University of Prince Edward Island
- * Mrs. Karen Gourlay, McMaster University
Ms. Ann Hogarth, Carleton University
- * Mr. Henrik Kreiberg, Pacific Biological Station, DFO
- * Dr. Edwin A. Kroeger, University of Manitoba
- * Dr. Pierre Lachapelle, McGill University
- * Mr. Philip Lavoie, McGill University, Macdonald Campus
- * Mr. Yvan Marineau, Université du Québec à Trois-Rivières
- * Dr. Sylvie Marleau, Université de Montréal
- * Dr. William Marshall, St. Francis Xavier University
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Ms. Mary Panneton, Merck Frosst Centre for Therapeutic Research
- * Dr. James Pfaus, Concordia University
Mrs. Christine Quarrington, University Health Network
Mr. Martin Ryan, University of Waterloo
- * Dr. Dan Rurak, University of British Columbia
Dr. Brian Talbot, Université de Sherbrooke
- * Dr. Mark Torchia, Health Sciences Centre, University of Manitoba
- * Dr. Claire-Dominique Walker, McGill University
Mr. Norman White, University of Toronto

Canadian Federation of Humane Societies Representatives

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Mr. Roch Bédard, Ste-Adèle, QC
Ms. Line Bélanger, Anagance, NB
Mr. David Buffett, St. John's, NF
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* Identifies those members who have served as chairperson



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- * Dr. Kate Banks, University of Toronto
- * Dr. Craig Bihun, Institute for Biological Sciences, NRC Ottawa
Dr. Catherine Breault, LAB Research Inc.
- * Dr. Ronald Charbonneau, Centre Hospitalier de l'Université Laval (CHUL)
Dr. Beverly Chua, University of British Columbia
- * Dr. Wayne Cole, Ridgetown, ON (retired)
- * Dr. Lucie Côté, INRS Institut Armand-Frappier
- * Dr. Sylvia Craig, Dalhousie University
- * Dr. Andrew Fletch, Consultant
- * Dr. Jim Gourdon, McGill University
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- * Dr. Barb Hildebrand, Dalhousie University
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Dr. Lynn Matsumiya, McGill University
Dr. Shelly A. McErlane, University of British Columbia
- * Dr. Morag McMurray, Queen's University (now in private practice)
- * Dr. Stéphane Ménard, Université de Montréal
- * Dr. Badru Mooloo, University Health Network
Dr. Douglas W. Morck, University of Calgary
Dr. Carol Morgan, University of British Columbia
- * Dr. Patrick N. Nation, Animal Pathology Services Ltd.
- * Dr. Patricia Turner, University of Guelph
Dr. Daphnée Veilleux-Lemieux, Université Laval
- * Dr. Craig Wilkinson, University of Alberta

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Dr. Hélène Héon, Centre Hospitalier de l'Université de Montréal
Dr. Eike-Henner Kluge, University of Victoria
Dr. Harpreet Kochhar, Canadian Food Inspection Agency, Ottawa
Dr. Lauryl Nutter, Toronto Centre for Phenogenomics
Dr. Pascal Vachon, Université de Montréal, Faculté de médecine vétérinaire
Dr. Sui-Pok Yee, London Regional Cancer Centre

Subcommittee on farm animals

Dr. Tarjei Tennessen, Nova Scotia Agricultural College (Chair)
Dr. Laurie Connor, University of Manitoba
Dr. Anne Marie de Passillé, Agriculture and Agri-Food Canada, Agassiz
Dr. Ian Duncan, University of Guelph
Dr. John Feddes, University of Alberta
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Subcommittee on laboratory animal care

Dr. Toni Bayans, University of Alberta
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Subcommittee on laboratory animal procedures

- Dr. Ronald Charbonneau, Centre Hospitalier de l'Université Laval
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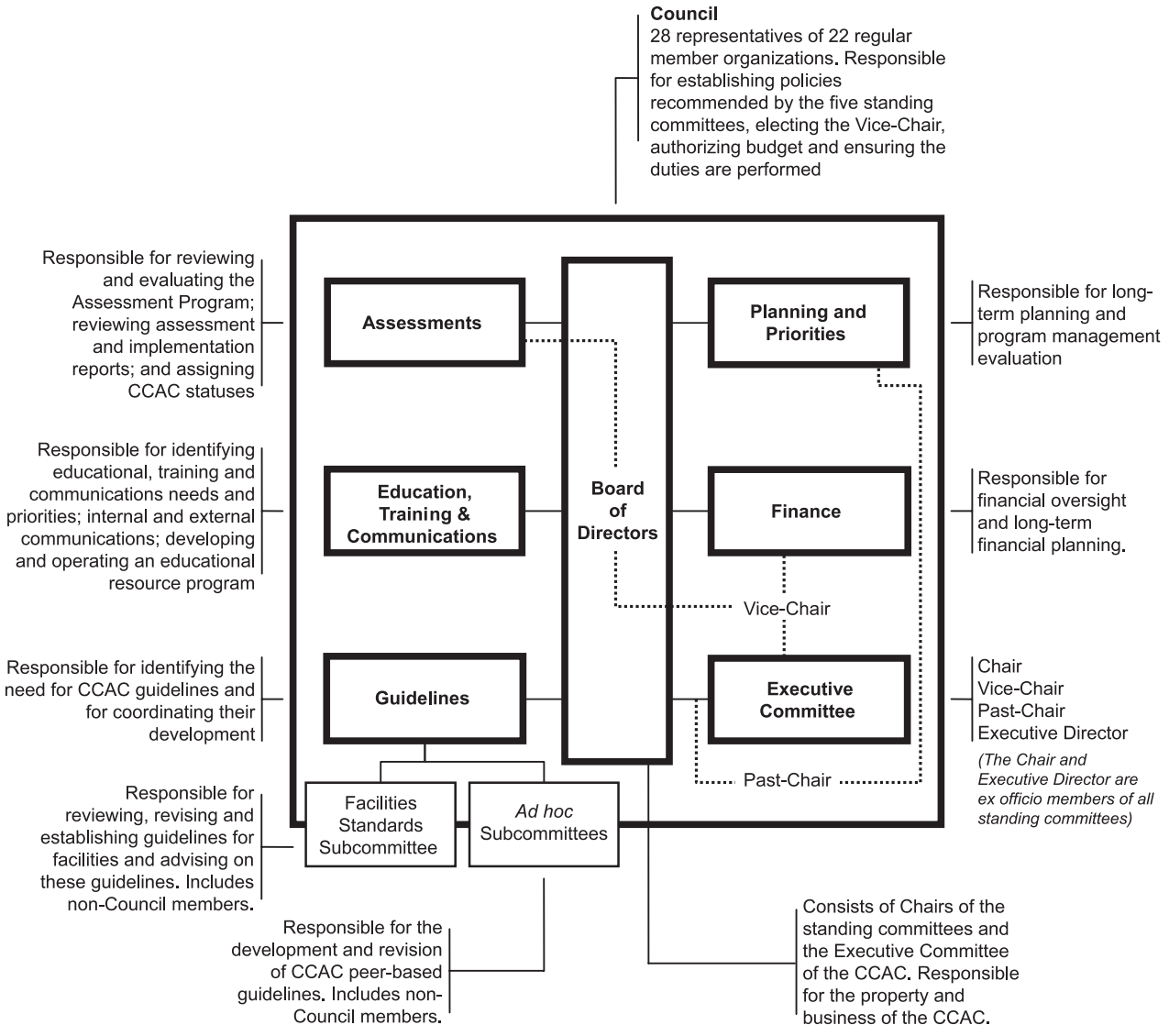
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- Dr. Patricia Turner, University of Guelph

APPENDIX IV CCAC ORGANIZATIONAL CHART





APPENDIX V

MEMBERS OF THE CCAC STANDING COMMITTEES

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Dr. Joseph Davison (Chair)
Dr. Kristina Bennett-Steward
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Dr. Alex Livingston
Dr. Jim Thornhill
Dr. Mark Evered (voting ex officio)
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Dr. Carol Morgan
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Ms. Evelina Smith (voting ex officio)
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Dr. Sara Iverson
Dr. Thomas Moon
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Dr. Elliott Scott
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Dr. Toni Bayans
Dr. Douglas Crawford
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Ms. N.A. Aedes Scheer
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Dr. Alex Livingston	Past Chair of Council
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Dr. Joseph Davison	Chair – Planning and Priorities Committee
Dr. Marilyn Keaney	Chair – Education, Training and Communications Committee
Mr. Henrik Kreiberg	Chair – Guidelines Committee
Dr. Jim Thornhill	Chair – Finance Committee
Dr. Clément Gauthier	Executive Director (<i>ex officio</i>)



APPENDIX VI

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APPENDIX VII

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