

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

2004-2005

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A. 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. CCAC is registered as a not-for-profit organization, and it 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 where 24 national organizations are represented.

The CCAC acts as a quasi-regulatory body and sets standards that apply across Canada: its mandate involves public functions and its guidelines are incorporated by regulatory bodies. The CCAC is

accountable to the general public and it is responsible for the dissemination of information on the use of animals in science to Canadians. Information provided to the public consists of CCAC's guidelines and policies, comprehensive annual statistics on the number of animals used in science, teaching and testing and the publication of an annual report.

In the footsteps of the publication of the CCAC *Five Year Plan 2004-2009*, structural and operational improvements were implemented at the Council and Secretariat level in the past year to achieve increased efficiency. The present report covers activities undertaken by CCAC from April 1, 2004 to March 31, 2005.



B. REVIEW OF THE STRUCTURE AND OPERATIONS OF COUNCIL

The CCAC is governed by a Council where 24 institutions are represented, including two limited term members. The Canadian Veterinary Medical Association (CVMA) joined as a limited term member on April 1, 2004 for a first three-year mandate and the Canadian Animal Health Institute (CAHI) was reappointed for a second term, which will end on March 31, 2008.

In order to achieve greater effectiveness, Council adopted a new meeting format to provide opportunities for structured interaction between the standing committees. Committees now spend a

full Saturday holding their respective meetings, with one hour reserved in early afternoon for joint committee meetings on selected topics. The Board of Directors then considers the recommendations emerging from the committees at the end of the day, for presentation at the Council meeting held the following Sunday morning. This new format has been used at the October 2004 and February 2005 Council meetings. It has been assessed by several Council members as vastly superior to the previous format, as it allows Council members to familiarize themselves thoroughly with the issues at the committee level prior to discussing and voting at the level of the Council.

C. RECOGNITION OF CCAC STANDARDS

1. At the National Level

In Canada, the use of animals in science is a provincial responsibility. Guidelines and policies set by the CCAC serve as national reference standards. The provincial legislation in five of the six provinces that have legislated in the matter makes specific references to CCAC guidelines and policies. CCAC encourages regulators and funders of research to reference CCAC standards in their legislation and programs at the federal and provincial levels.

Federal Departments

A preliminary meeting was held with representatives of the departments of Fisheries and Oceans, Health Canada, Environment Canada, Agriculture and Agri-Food Canada and National Defence, regarding the development of Memoranda of Understanding (MOUs) between the CCAC and federal science-based departments and agencies.

Disease-Specific Societies

As a result of communications initiated by the CCAC with Epilepsy Canada and the Parkinson Society of Canada, these organizations now include in their material detailed reference to CCAC and a mandatory requirement that “host institutions” must hold a CCAC Certificate of GAP-Good Animal Practice®.

Provincial Governmental Departments/Regulatory/Agencies/Laboratories Joining CCAC Program

Alberta - As a follow up to discussions held in the fall of 2004 regarding the ongoing review of the Alberta *Animal Protection Act*, the CCAC was invited to provide assistance in bringing together representatives from academic, governmental and private sector research institutions to discuss reference to CCAC standards in the regulation suggested by CCAC on March 2, 2005. The meeting was

held on April 4, 2005 and draft regulations are expected in early summer of 2005.

One laboratory established under the Alberta Department of Health recently joined the CCAC Program, while the Alberta Research Council has been a participant for a decade.

Quebec and Yukon - As a result of the development and publication of the CCAC *guidelines on: the care and use of wildlife* in 2003, two departments of the Province of Quebec related to fauna/fisheries/agriculture and one agency established under the Yukon Department of Environment joined the CCAC Program.

On September 23, 2004, the CCAC Executive Director met a representative of the Ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec to discuss the possibility of referencing CCAC standards, as part of the ongoing discussions on amendments to the *Animal Protection Act* (P-42).

CCAC as a Quasi-Regulatory Body

A legal opinion commissioned by CCAC to its legal advisors concluded:

There is nothing prohibiting the designation of CCAC as a quasi-regulatory body. “Quasi-regulatory” is an appropriate designation for the CCAC by virtue of its recognition that, although the CCAC is not regulatory, its mandate involves public functions and its guidelines are incorporated by regulatory bodies. In our view, use of the term “quasi-regulatory” would not elevate CCAC to public body status, or make it an entity susceptible to judicial review in an administrative sense.

Osler, Hoskin & Harcourt LLP,
October 28, 2004



2. At the International Level

The CCAC monitors developments at the international level and entertains relations 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 international harmonization of CCAC standards is amongst the top priorities of the CCAC Guidelines Program. The following are supporting activities undertaken by CCAC.

Public Responsibility in Medicine and Research (PRIM&R)

The CCAC Executive Director accepted an invitation to co-chair a didactic session entitled: "Tips and Tools for Non-Affiliated and Non-Scientist Members" at the March 13-15, 2005 annual Institutional Animal Care and Use Committee (IACUC) Conference organized in San Diego.

Federation of European Laboratory Animal Science Associations (FELASA)

The CCAC Executive Director, Dr Clément Gauthier (*Guidelines on endpoints as a refinement measure: a successful case of harmonization*), the CCAC Guidelines Program Director, Dr Gilly Griffin (*An approach toward international harmonization: the care and use of fish*) and CCAC Assessment Director and President of the International Council for Laboratory Animal Science (ICLAS), Dr Gilles Demers (member of the FELASA Scientific Committee - *International Harmonization of Animal Care Issues*), joined forces in giving complementary presentations at the June 14-17, 2004 Annual Symposium of FELASA on International Harmonization held in Nantes, France.

As a result, the CCAC *guidelines on: choosing an appropriate endpoint in experiments using animals for research, teaching and testing* (1998) has been reviewed and retained, along with the Organisation for Economic Co-operation and Development *Guidance Document on the Recognition, Assessment, and Use of Clinical Signs as Humane Endpoints for Experimental Animals Used in Safety Evaluation*, as international reference documents by ICLAS.

Council of Europe (CoE)

Drs Griffin and Demers represented CCAC and ICLAS respectively as expert international organizations at the September 22-24, 2004 Eighth Meeting of the Council of Europe Working Party for the Preparation of the Multilateral Consultation of Parties to the European Convention for the Protection of Vertebrate Animals Used for Experimental and Other Scientific Purposes (ETS 123).

The Guidelines Program reviewed a draft version of Reed B. T. *Guidelines for the housing and care of the African clawed frog* 68 pp. RSPCA: UK. This document, along with the European Convention for the Protection of Vertebrate Animals Used for Experimental and Other Scientific Purposes Appendix A - *species-specific provisions for amphibians and reptiles*, represents emerging international guidance concerning amphibians and reptiles that has involved consultation with CCAC.

American Association for Laboratory Animal Science (AALAS)

Dr Gauthier reported on CCAC activities at the October 19, 2004 International Consortium Committee Meeting sponsored jointly by AALAS and ICLAS. After completion of the harmonization of guidelines on endpoints and guidelines on euthanasia, Dr Gauthier invited participants to consider initiating harmonization work on guidelines on animal user training. The Co-Chair of the meeting and the President of ICLAS confirmed that training will be addressed by the ICLAS Working Party on Harmonization once the work on the harmonization of guidelines on review of animal use protocols has been completed. During the ICLAS/AALAS/AAALAC International Lunch, the CCAC Executive Director received the ICLAS Cohen Award on behalf of Dr Harry Rowsell, the founding Executive Director of CCAC, who could not attend the meeting.

International Council for Laboratory Animal Science (ICLAS)

Over the past six years, the CCAC has provided ongoing support to ICLAS through Dr Demers, CCAC Assessment Director and President of ICLAS. In order to make animal user training courses available to African countries, ICLAS coor-

minated for the third time since 1998 the delivery of a course given in Tunisia in May 2004. For the third time, CCAC sponsored this course by providing 40 French versions of the CCAC *Guide to the Care and Use of Experimental Animals (1993)* as teaching material.

World Organisation for Animal Health (OIE)

The OIE was founded in 1924 to inform Governmental Veterinary Services of the occurrence of animal diseases and of control methods to ensure that these diseases do not become a threat to animal or public health. It includes 167 Member Countries including Canada. OIE is also recognized in the Sanitary and Phytosanitary Agreement of the World Trade Organization as the reference organization responsible for the development and promotion of international animal health standards, guidelines, and recommendations to ensure safe trade in live animals and animal products. The OIE launched an animal welfare initiative in February 2004. The OIE keeps Member Countries abreast of scientific developments through a variety of publications, including the *Scientific and Technical Review*, published quarterly.

The CCAC Executive Director and the CCAC Guidelines Program Director co-authored an invited article on “The Use of Animals in Research, Testing and Teaching” submitted on January 15,

2005 for publication in a special issue of the *OIE Scientific and Technical Review* on Animal Welfare: global issues, trends and challenges to be published in August 2005.

Fifth World Congress on Alternatives and Animal Use in the Life Sciences (WC5)

The CCAC Executive Director was a member of the Organizing Committee for the Fourth World Congress held in New Orleans in 2002. In late July 2004, Dr Gauthier accepted the invitation of the Co-Chair of the WC5 to serve on the Scientific Committee as a member of the Nominated Expert Group on Laboratory Animal Welfare & Refinement. The WC5 will be held in Berlin on August 21-25, 2005. Further information on the Congress can be found at the following address: www.ctw-congress.de/act2005.

US National Academy of Science ILAR International Workshop on Science-Based Guidelines

The proceedings of this premiere event reported remarks by the Executive Director of the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) International that the Canadian system is the best bar none and invited countries which were considering establishing an oversight system to use the Canadian model.



D. RESULTS BY BUSINESS LINE

The following are the main objectives set forth in the CCAC *Five-Year Plan 2004-2009*, which was published in March 2004, in order to set clear objectives and goals for its three programs:

- maintaining the 10-week delivery time line for assessment reports and decreasing delays in processing implementation reports;
- addressing bottlenecks precluding the development of scientifically-based guidelines thus enabling research to be carried out in a timely and sustainable manner;
- sustaining human resource development projects as requested by the granting Agencies; and
- increasing the effectiveness of CCAC's communications with the Canadian public as well as between CCAC programs, to achieve greater efficiency in support of the universal implementation of the CCAC programs.

1. Assessment

1.1 Assessment Visits

A central activity of the CCAC is to regularly conduct assessment visits to institutions where animals are used in research, teaching and testing across Canada. Assessment visits are conducted by multi-disciplinary teams of experts and community representatives and they follow a rigorous process. Following every visit, a detailed report is prepared and forwarded to the institution.

Thirty-five full assessment visits and 28 initial/orientation/special/interim visits were completed between April 1, 2004 and March 31, 2005, as planned. Twenty six institutions received full-compliance status, 37 received conditional compliance and two were on probation.

Three institutions from the academic sector, one institution from the government sector and three institutions from the private sector joined the CCAC Program in 2004-2005.

1.2 GAP — Good Animal Practice® Certificate

The CCAC developed the concept of the Certificate of GAP – Good Animal Practice®, registered as a trade-mark with the Canadian Intellectual Property Office (CIPO) in August 2000, which provides participants with a communications tool confirming the quality of their institutional animal care and use program. A Certificate of Registration for the French version: Bonnes pratiques animales – BPA^{MD} was received from CIPO in August 2004. A list of holders of the GAP – Good Animal Practice®/ Bonnes pratiques animales – BPA^{MD} certificate is maintained on the CCAC website.

Between April 1, 2004 and March 31, 2005, a total of 67 certificates were issued in the 2004-2005 fiscal year, including four institutions that received a renewal of their CCAC GAP – Good Animal Practice® certificate following an interim visit. Interim visits are conducted by a CCAC Assessment Director midway between two full assessment visits held six years apart to institutions that have achieved two consecutive statuses of compliance, and that have identified no significant change or concern in their animals care and use program.

1.3 Assessment Reports

Assessment reports are now produced within the 10-week deadline (from the day of the assessment visit until the day the final report is sent to the institution). In some cases, a draft of the serious recommendations resulting from a visit is forwarded to the institution immediately after the assessment visit.

Progress has been made towards clearing the backlog of implementation reports and the submission of implementation reports and updates is closely monitored.

1.4 Additional Activities

The contents of the *Animal Care and Use Program Review Form* are being refined to meet the needs of

various types of institutions, including those using fish, farm animals and wild animals. This form is used to gather structured information on an institution's animal care and use program prior to assessment visits.

The CCAC *Survey of Animal Use - 2002* has been completed by the Assessment Sector and posted on the CCAC website in March 2005. See Appendix I for further details.

The first draft of a joint CCAC-Canadian Federation of Humane Societies (CFHS) document, providing information to community representatives on animal care and use in science, CCAC policies and guidelines, and the role of community representatives serving on animal care committees and CCAC assessment panels, was reviewed by members of CCAC and CFHS in October 2004 and by a community representative in 2005. This document will be published in 2005.

2. Guidelines

2.1 Improvement in the Process of Guidelines Development

The CCAC *guidelines on: the care and use of fish in research, teaching and testing* underwent a final review in August 2004. This is the first time that a third review stage has been incorporated in the guidelines development process to ensure that previous comments from reviewers have been adequately addressed. The review appears to have been useful in changing the perception of the guidelines prior to publication. The President of the Canadian Society of Zoologists (CSZ) commented: "This is a very good document full of intelligent guidelines...the overall congratulations voice a general opinion in our society. Thank you for such careful work and such excellent interactions with the different organizations representing people who work with fish".

2.2 Strategy for Prioritization of Guidelines Development

In October 2004, the Guidelines Committee (GC) adopted a list of criteria to be used in prioritizing the list of guidelines to be developed. These criteria will enable the GC to synthesize available

inputs for each of the guidelines on the list and maximize the use of the Guidelines Program resources.

2.3 Interaction with the Scientific Community

The third draft of the *guidelines on: the care and use of fish in research, teaching and testing* was circulated for review. The Guidelines Program Director, Dr Griffin, gave a presentation highlighting the work of the subcommittee on fish at the Canadian Society of Zoologists meeting at Acadia University, May 12, 2004. Dr Griffin, along with two fish subcommittee members and three invited speakers, conducted a workshop on the fish guidelines at the CALAS meeting on June 28, 2004. A presentation on the CCAC *guidelines on: the care and use of fish in research, teaching and testing* was also given at the Atlantic Veterinary College course on the care and handling of aquatic animals on August 23, 2004. Dr Griffin attended the Canadian Society of Animal Science conference in Edmonton on July 21-23, 2004 and gave a presentation to encourage participation in the development of the CCAC *guidelines on: the care and use of farm animals in research, teaching and testing*.

The CCAC Fellow in Animal Policy Development, Ms Julie Comber, and the Guidelines Program Director visited the Bioethics Unit, McGill University on October 8, 2004 where the CCAC Fellow gave a presentation on non-welfare related issues for genetically-modified animals. Ms Comber spent a first stage under Dr Barbara Vanderhyden and a second one with Dr Marilyn Keaney, Director of Animal Care at the University of Ottawa.

The Guidelines Program Director gave a presentation on the CCAC *guidelines on: the care and use of fish in research, teaching and testing* at the interface between the meetings of Aquaculture Canada and Aquanet Canada on October 20, 2004 in Quebec City and at the Central Ontario Regional Chapter of CALAS Aquatics/Herptile Seminar held in Toronto on November 6, 2004.

Dr Griffin and Ms Comber attended a meeting of the participants involved in the proposed Transcriptome of a Healthy Research Embryo Network (THERN) on November 8, 2004. The



Guidelines Program Director gave a presentation indicating the potential value of THERN in addressing research needs to support the revision of the CCAC *guidelines on: transgenic animals* (1997), and in providing knowledge not currently available. CCAC and the Canadian Food Inspection Agency expressed support for the activities of THERN.

Representatives from the Canadian Federation of Biological Societies and the CSZ met with members of the CCAC Secretariat on November 29, 2004. Further assistance in the development of the CCAC *guidelines on: the care and use of marine mammals* and species-specific recommendations for wildlife were solicited.

The Guidelines Program Director attended the Canadian Physiological Society winter meeting held at Mont-Sainte-Anne, February 3-6, 2005, and gave a presentation on the need for science-based evidence in guidelines development.

2.4 Guidelines Implementation

A document describing the rationale for the CCAC *guidelines on: laboratory animal facilities – characteristics, design and development* has been posted on the CCAC website in association with the guidelines.

With additional Secretariat resources being made available through the Administration Sector, references associated with previously published guidelines are being inputted into a searchable database, to help answer constituents' questions.

2.5 Guidelines Under Development

Laboratory animal facilities

The printing and distribution of the CCAC *guidelines on: laboratory animal facilities – characteristics, design and development* in both official languages were completed in 2004.

Fish

The CALAS Symposium, held on June 27-30, 2004 in Hamilton, which included a presentation by members of the CCAC subcommittee on fish, presented an opportunity for agreement to be reached on the third draft of the CCAC *guidelines on: the care*

and use of fish in research, teaching and testing. The draft document was then circulated for a final review on August 10, 2004. Comments were received from 35 reviewers, and were provided to members of the subcommittee for consideration. The subcommittee has been working on the remaining outstanding issues in preparation for the final draft of the guidelines on fish.

Marine mammals

A subcommittee meeting was held at the Vancouver Aquarium on May 3-4, 2004 to resolve issues arising from the peer review of the CCAC *guidelines on: the care and maintenance of marine mammals*. The subcommittee is currently preparing the second draft for widespread review.

Farm animals

A first draft of the CCAC *guidelines on: the care and use of farm animals in research, teaching and testing* is well underway and will undergo peer review in 2005.

Laboratory animal care - procurement of animals

A first draft of the *guidelines on: procurement of animals used in science* was produced and circulated for peer review. Feedback is currently being taken into consideration.

Genetically modified animals

The CCAC Fellow produced the following discussion papers for review by the CCAC subcommittee on biotechnology as background material for the revision of the CCAC *guidelines on: transgenic animals* currently under development: i) *Terminology for CCAC guidelines on: genetically modified animals*; ii) *Beyond genetically modified animal welfare: CCAC guidelines and the concepts of species telos, integrity and intrinsic value*; and iii) *Wellness Assessment of GMAs*.

3. Education, Training and Communications

3.1 CCAC Survey of Animal Use

The CCAC compiles detailed statistics on the use of animals in science. The CCAC *Survey of Animal*

Use - 2002 was published in March 2005 on the CCAC website. A summary is included under Appendix I.

3.2 NIAUT Program

The CCAC provides, through its National Institutional Animal User Training (NIAUT) Program, a series of twelve web-based training modules for animal users. 2004-2005 marks the completion of the second year of operation for this program. So far, the modules have proved to be popular and discussions for adding training material for fish users are a priority at the level of the Education, Training and Communications Committee (ETCC).

The bank of questions and answers available to institutions with the NIAUT modules is being expanded and a new set of questions for each of the twelve modules has been under development since January 2005 for publication in late summer 2005.

3.3 Training for Veterinarians

The CCAC has been collaborating with individuals and institutions across Canada to develop a short term training program, in response to difficulties experienced by institutions in ensuring that veterinarians have access to training in laboratory animal medicine.

With funding from CIHR and NSERC, the CCAC was able to subsidize a training program for ten Canadian veterinarians interested in acquiring a certificate in laboratory animal medicine offered by the Office of Open Learning at the University of Guelph.

3.4 Communications

The communications strategy adopted by CCAC consists in disseminating information to the public mainly via its website. At its February 2005 meeting, the CCAC Council adopted a motion confirming that all official publications be made available simultaneously in both official languages.

A professionally designed website, with a new architecture and a refreshed look was officially launched on February 11, 2005. This new website

can be easily maintained, and it is on par with current practices.

A review of all CCAC communications products resulted in a revised pamphlet containing general information on CCAC published under the title *Good Animal Practice in Science/Bonnes pratiques animales en science* in February 2005.

The following information capsules were sent to constituents:

- to announce that funding for a training program for veterinarians was granted to CCAC by CIHR and NSERC (July 26, 2004);
- to announce the granting of the registered trade-mark *Bonnes pratiques animales- BPA^{MD}* to CCAC (August 30, 2004);
- to announce the procedure for applying to the new training program for veterinarians (September 10, 2004);
- to announce the availability of the CCAC *Annual Report 2003-2004* on the CCAC website (October 12, 2004);
- to distribute the 2004 edition of the CALAM/ACMAL *Standards of Veterinary Care* (October 18, 2004);
- at the request of the Public Health Agency of Canada, a statement on the Simian Foamy Virus was sent on October 22, 2004;
- a capsule on the draft trade memoranda by the Canadian Food Inspection Agency regarding research with livestock feeds was sent on January 11, 2005;
- a capsule on two upcoming CCAC workshops (Workshop on Fish, Vancouver; and Workshop on Farm Animals and Genetically-Modified Animals, Ottawa) was sent on February 11, 2005; and
- a capsule to announce the launch of the new CCAC website was sent on February 11, 2005.

3.5 Conferences and Workshops

Continuing efforts are made to communicate directly with animal users, scientists and researchers. This is achieved through the deliv-



ery of presentations by CCAC personnel to key audiences at symposia and meetings of scientific societies.

- April 25, 2004 – Dr Clément Gauthier gave an update on CCAC activities at the Semi-Annual Meeting of the Association of Faculties of Medicine of Canada (AFMC) Standing Committee on Research and Graduate Studies, Halifax;
- May 12, 2004 – Dr Gauthier gave a presentation to members of the CIHR Ethics Office on “The Canadian Ethical Review and Oversight System for the Care and Use of Animals in Science”;
- May 12, 2004 – Dr Griffin gave a presentation at the Canadian Society of Zoologists (CSZ) in Wolfville on the CCAC *guidelines on: the care and use of fish in research, teaching and testing*;
- May 16, 2004 - Dr Gauthier gave a presentation at the Annual General Meeting of the CFHS on the CCAC *Annual Report 2003-2004*;
- May 20, 2004 – Ms Marie Bédard delivered a presentation on crisis management at the Montréal General Hospital;
- June 25-26, 2004 – Drs Gauthier, Michael Baar, Demers and Griffin as well as Ms Bédard and Ms Claude Charbonneau participated in the June 26-29, 2004 Annual Symposium of the Canadian Association for Laboratory Animal Science in Hamilton. A scientific session on fish and an ACC Member Orientation Workshop were also delivered.
- July 4-7, 2004 – Dr Baar and Ms Charbonneau represented CCAC at the 2004 Canadian Veterinary Medical Association Convention in Québec City and the CCAC booth was displayed;
- July 23, 2004 – Dr Griffin delivered a presentation to the Canadian Society of Animal Science in Edmonton on the CCAC *guidelines on: the care and use of farm animals in research, teaching and testing*;
- September 21, 2004 the Past-Chair of CCAC Council, Dr Jack Bend, reported on CCAC

activities at a meeting of the AFMC Standing Committee on Research and Graduate Studies;

- September 24, 2004 – Ms Bédard delivered a presentation on CCAC at the annual symposium of l’Association des Techniciens en Santé Animale du Québec, attended by about 400 students; and
- October 14, 2004, the Vice-Chair of CCAC Council, Dr Andrew Tasker reported on CCAC activities to deans of the Canadian Faculties of Agriculture and Veterinary Medicine.

3.6 Media Relations

Drs Gauthier, Griffin and Demers were interviewed for an article entitled “Improving the lives of laboratory animals” published in *The Scientist*, April 26, 2004. The article highlighted the sensitivity of researchers to animal use in science, and presented a comprehensive and balanced perspective on progress achieved and future challenges in pain management and environmental enrichment for laboratory animals used in various countries. *The Scientist* is the only publication dedicated to the exclusive coverage of the life sciences in the USA. Its readership is composed of 187,500 life scientists distributed, among others, in the United States (49,981), United Kingdom (5,211), Canada (3,342) and Germany (2,497). The article can be found at the following address: http://www.ccac.ca/english/new/Imp_Lives_Lab_Animals.htm.

In June 2004, Dr Gauthier participated in a radio interview for a public affairs program entitled Franc-Parler on CJMF-93 in Québec City, in response to an article published in the newspaper *Le Soleil* where it was suggested that more cats and dogs should be used in medical experiments.

The CCAC was contacted by CBC radio on two occasions in 2004. In August 2004, Dr Jon Lien was interviewed about whales. In October 2004, Dr Gauthier was invited on the science program, Quirks and Quarks, to offer his insights on the use of experimental animals. The episode aired in November 2004.

Drs Griffin and Gauthier were interviewed for an article published in *University Affairs/Affaires uni-*

versitaires in November 2004 that describes the outcome of the CCAC NIAUT Program.

3.7 Publications

The CCAC *Annual Report 2003-2004* was produced in May 2004 and made available in both official languages through the CCAC website.

A manual to help community representatives serving on assessment panels and institutional animal care committees is being prepared in collaboration with the CFHS. A draft prepared by the Assessment Sector was circulated for discussion by ETCC and AC at a joint meeting on October 30, 2004. It is expected that this manual will be completed in 2005 and distributed to all community representatives.

The Winter 2003-2004 edition of *RESOURCE* was published in April 2004.

3.8 Information Technology

A first security audit of the CCAC information technology (IT) infrastructure was conducted. Servers, workstations, security measures and policies were thoroughly assessed against best-practices by an external firm. This audit was conducted

to validate that electronic data is adequately protected and that appropriate measures are in place.

4. Finance

4.1 CCAC Grant Submission to CIHR and NSERC

A tri-annual grant submission titled *Building Capacity and Sharing Knowledge for GAP-Good Animal Practice® in Science* was prepared and submitted to CIHR and NSERC in December 2004. In light of continued growth in government funding for the direct and indirect costs of university-based research, an increase in funding was requested over the last submission to meet the increased demands by universities for CCAC services. The site visit of the CIHR-NSERC Evaluation Committee took place in Ottawa on February 21, 2005.

4.2 Business Model

The development of a business model by the Finance Committee (FC) in collaboration with the Assessment Committee is one of the two priorities set in the CCAC *Five-Year Plan 2004-2009*. Preliminary discussions were held between the AC, the Planning & Priorities Committee and the FC on February 19, 2005 to establish the itinerary to develop the business model.

Joseph Davison, Ph.D.
Chair, CCAC
March 2005



APPENDIX I

CCAC SURVEY OF ANIMAL USE - 2002

Total of Animals Used in 2002 per Species

Species	Total in 2002
Amphibia	43,980
Cats	3,561
Cephalopods	91
Chinchilla	48
Dogs	9,518
Domestic Birds	117,958
Farm Animals	130,504
Fish	607,367
Fur Animals	452
Gerbils	2,147
Guinea Pigs	28,659
Hamsters	5,100
Marine Mammals	402
Mice	759,790
Miniature Swine	16
Non-Human Primates	2,109
Rabbits	14,374
Rats	332,065
Reptiles	2,875
Canadian Wild Species	41,659
Other Non-Canadian Species	460
Total	2,103,135

For more details, visit http://www.ccac.ca/en/Publications/Facts_Figures/aus2002.htm

APPENDIX II

MEMBERS ON CCAC ASSESSMENT PANELS

Scientific Members

- * Dr Robert Adamec, Memorial University of Newfoundland
- * Ms Linda Campbell, Vanier College
- * Dr Catherine B. Chan, University of Prince Edward Island
- Mr Jean-Marie Chavannes, Montreal General Hospital
- * Dr Joseph Davison, University of Calgary
- Dr Jim Duston, Nova Scotia Agricultural College
- Dr Michel Flamand, Centre Hospitalier de l'Université Laval
- * Mrs Karen Gourlay, McMaster University
- Dr Edwin Kroeger, University of Manitoba
- * Dr Daniel Lamontagne, Université de Montréal
- * Dr Suzanne MacDonald, York University
- Ms Monique McGuire, University of Alberta
- Dr Richard Moccia, University of Guelph
- Dr Terry W. Pearson, University of Victoria
- Mr Wayne C. Petley, University of Prince Edward Island
- * Dr James Pfaus, Concordia University
- Dr Alan Pinder, Dalhousie University
- Ms Suzanne Smith, McGill University
- * Dr René St-Arnaud, Shriners Hospital
- * Dr Mark Torchia, University of Manitoba
- Dr Graham Wagner, University of Western Ontario
- Dr Claire-Dominique Walker, McGill University

Community Members

Mrs Joan Barker, Manitoba
 Mr Tim P. Battle, Alberta SPCA
 Ms Line Bélanger, New Brunswick
 Ms Reine Bélanger, SPA de l'Estrie
 Ms Nathalie Bouillé, Québec
 Ms Janice Campbell, Manitoba
 Mr Hugh Coghill, British Columbia
 Mr Martin Cole, Ontario SPCA
 Ms Catherine Crawford, Ontario SPCA

* *Identifies those members who have served as chairperson*



Community Members (cont'd)

Mr Shawn Eccles, British Columbia
Mrs Susan Edwards, Ontario
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* Dr Gerald Johnson, University of Prince Edward Island
Dr Rod Jouppe, Laurentian University
Dr Clément Lanthier, Calgary Zoo
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* Dr Badru Moloo, University Health Network
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* *Identifies those members who have served as chairperson*

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Dr Barbara Vanderhyden, Ottawa Regional Cancer Centre
Mr Robert Van Tongerloo, Canadian Federation of Humane Societies, Ottawa
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Subcommittee on farm animals

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Dr Anne Marie de Passillé, Agriculture and Agri-Food Canada, Agassiz
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Dr Jeff Rushen, Agriculture and Agri-Food Canada, Agassiz
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Subcommittee on fish

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Mr John Batt, Dalhousie University
Dr Kristina Bennett-Steward, Bioniche Animal Health, Belleville
Mr Cyr Couturier, Marine Institute of Memorial University of Newfoundland
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Subcommittee on fish (cont'd)

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Subcommittee on food and water restriction

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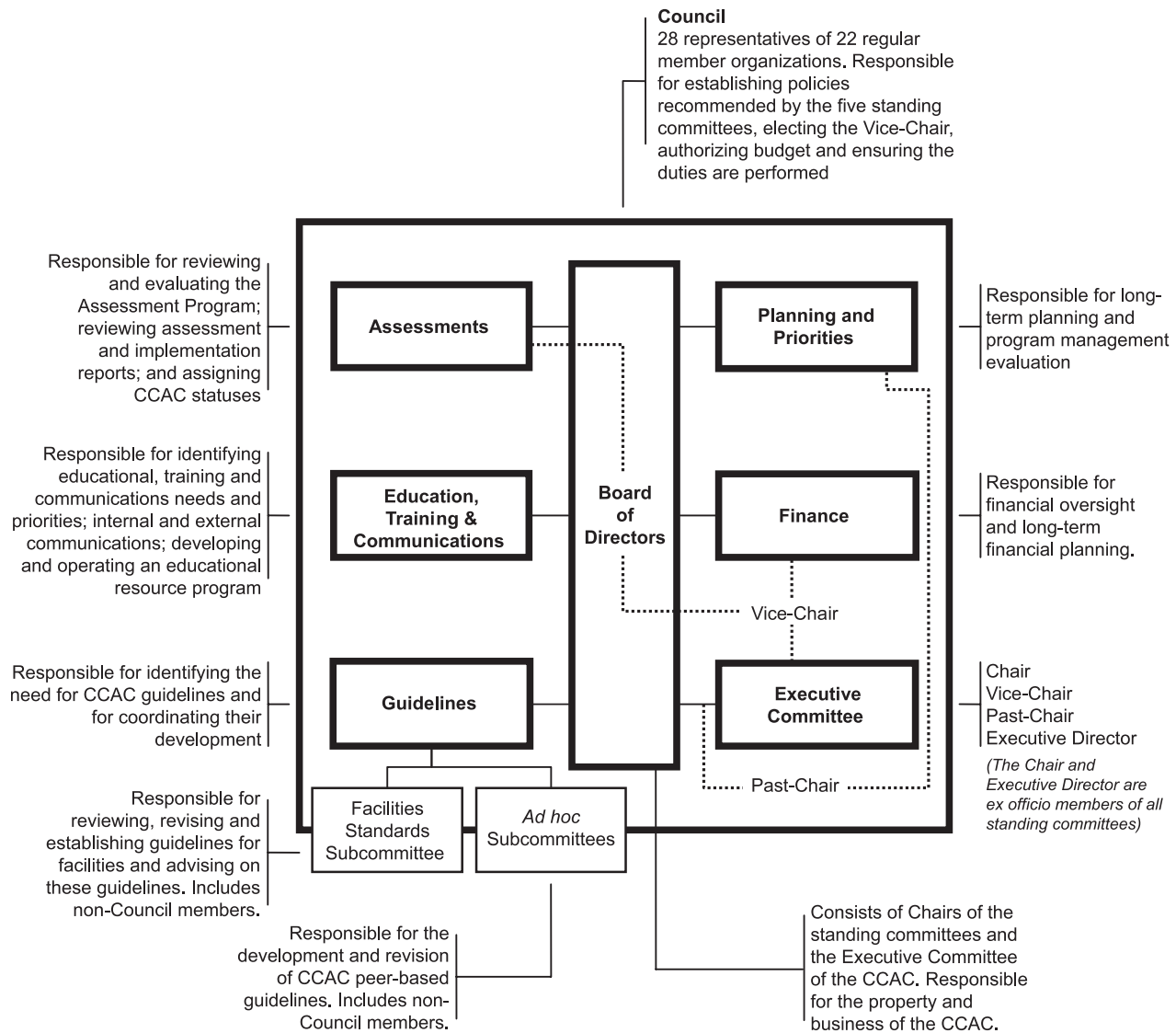
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APPENDIX IV

CCAC ORGANIZATIONAL CHART



APPENDIX V

MEMBERS OF THE CCAC STANDING COMMITTEES

Planning and Priorities Committee

Dr Luc-Alain Giraldeau	(Chair)
Mr Lawrence Aronovitch	
Dr Jack Bend	
Dr Kristina Bennett-Steward	
Dr William Milsom	
Mr Robert Van Tongerlo	
Dr Joseph Davison	(voting <i>ex officio</i>)
Dr Clément Gauthier	(<i>ex officio</i>)

Assessment Committee

Dr Mark Evered	(Chair)
Dr Luc Chouinard	
Dr Chantal Lambert	
Dr Eileen Macallum	
Dr David Wooldridge	
Dr Diane Frank (as of February 22, 2005)	
Dr Andrew Tasker	(voting <i>ex officio</i>)
Dr Joseph Davison	(voting <i>ex officio</i>)
Dr Gilles Demers	(<i>ex officio</i>)
Dr Michael Baar	(<i>ex officio</i>)
Ms Marie Bédard	(<i>ex officio</i>)
Dr Clément Gauthier	(<i>ex officio</i>)

Education, Training and Communications Committee

Dr Alex Livingston	(Chair)
Mr Stephen Bjarnason	
Dr Patricia Harper	
Dr Elliot Scott	
Dr Joseph Davison	(voting <i>ex officio</i>)
Dr Clément Gauthier	(<i>ex officio</i>)

Guidelines Committee

Dr John Kingma, Jr.	(Chair)
Dr David Blakey	
Dr Douglas Crawford	
Dr Dirk Dekens	
Mr Henrik Kreiberg	
Dr Valerie Stevens	
Dr Tarjei Tennessen	
Dr Eike-Henner Kluge	
Mr Keith Marshall	
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Mr Henrik Kreiberg	(Chair)
Mr Richard Bélanger	
Dr Donald McKay	
Dr David Neil	
Dr Joseph Davison	(voting <i>ex officio</i>)
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Finance Committee

Ms Patricia Mortimer	(Chair)
Dr Adolfo de Bold	
Dr Andrew Fletch	
Dr Andrew Tasker	
Dr Joseph Davison	(voting <i>ex officio</i>)
Dr Clément Gauthier	(<i>ex officio</i>)



Board of Directors

Dr Joseph Davison	(Chair of Council)
Dr Andrew Tasker	(Vice-Chair of Council)
Dr Jack Bend	(Past-Chair of Council)
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Dr Mark Evered	(Chair-Assessment Committee)
Dr Alex Livingston	(Chair- Education, Training and Communications Committee)
Ms Patricia Mortimer	(Chair-Finance Committee)
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APPENDIX VI

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Association of Faculties of Medical Colleges (AFMC)	Dr Jack Bend
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* Identifies limited term member



APPENDIX VII

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