



AUSTRALIAN AND NEW ZEALAND
COUNCIL FOR THE CARE OF ANIMALS IN
RESEARCH AND TEACHING

ELEVENTH ANNUAL REPORT

Year Ending 31 December 2003

ANZCCART 2004



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COUNCIL FOR THE CARE OF ANIMALS IN
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ANZCCART 2004

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Australian and New Zealand Council for the Care of Animals in
Research and Teaching (ANZCCART) Limited.

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ABOUT ANZCCART

The Australian and New Zealand Council for the Care of Animals in Research and Teaching (ANZCCART) was established in 1987 in response to concerns in both the wider and the scientific communities about the use of animals in research and teaching. It was incorporated in 1993 as a non-profit company. ANZCCART is an independent body that has been developed to provide a national and international focus for these issues. Through its varied activities ANZCCART seeks to promote effective communication and cooperation between all those concerned with the care and use of animals in research and teaching.

MISSION STATEMENT

ANZCCART will provide leadership in developing community consensus on ethical, social and scientific issues relating to the use of animals in research and teaching.

Key objectives

To achieve its mission, ANZCCART will promote:

excellence in the care of animals in research and teaching;

responsible scientific use of animals; and

informed discussion and debate within the community regarding these matters.

ANZCCART seeks to achieve these objectives, first by providing an ongoing focus to the social, ethical and scientific issues involved, second by providing a forum for discussion of these issues and third by facilitating access to relevant specialist advice and resources. Further, through its publications and activities ANZCCART is a source of information for the general public about how animals are used in research and teaching in Australia.

ANZCCART operates on a purely advisory basis and its membership represents the interests of government, funding organisations, research and teaching institutions, professional organisations and the community.

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PREFACE

In the preface to last year's Annual Report, the Chairman, Professor Michael Rickard, described 2002 as a "challenging year". It was a year in which core funding from the NHMRC and RSNZ had been significantly reduced, necessitating stringent cost-cutting activities. It became necessary, for example, to publish *ANZCCART NEWS* electronically instead of in printed format, and to employ the Director, Dr. Rory Hope, for 3 days per week instead of full-time.

In contrast, 2003 proved to be a very productive and successful year – one in which ANZCCART was able to undertake a range of outreach activities directed towards fulfilling its goals and accomplishing its business plan, while at the same time consolidating, to some extent, its financial base. These activities included: i) an international conference entitled "Lifting the veil: finding common ground" held in Christchurch, New Zealand, on 18-19 August; ii) two 1-day workshops - "The Australian Code of Practice: proposed revisions and their implications" (University of Melbourne, Friday 23 May 2003) and "Monitoring animal welfare and promoting refinement" (Monash University, Friday 17 October 2003); iii) publication of three editions of *ANZCCART NEWS*, and iv) publication of the proceedings of the ANZCCART Conference "Animal welfare and animal ethics committees: where are the goalposts now?" held on the Gold Coast (Queensland) in October 2002.

In addition, ANZCCART took a number of initiatives during 2003 with the aim of improving its administrative and operating efficiency. Mrs Julie Nixon (Administrative Assistant) developed a computer-based administrative database, which has already led to marked efficiencies in the ANZCCART Office.

Additional details of these and other activities are provided in the body of this report.

Professor Alan Johnston retired from the Board as the ARC's representative in December 2003. I thank Professor Johnston for the important role he played in securing continuing financial support from the ARC. I welcome Professor Julie Owens (Department of Obstetrics and Gynaecology, University of Adelaide) as the new ARC representative on the Board. It will be to ANZCCART's advantage to have a Board member residing in Adelaide, where our Office is currently located.

In November 2003 Professor Michael Rickard, who represents CSIRO, stepped down as Chairman of the Board. Professor Rickard was appointed Chairman in February 2002. He had previously held that position from 1998 to 2000. I thank Professor Rickard for his outstanding service to ANZCCART.

Finally, I would like to reiterate here, the key objectives of ANZCCART, namely to promote: i) excellence in the care of animals in research and teaching; ii) responsible scientific use of animals; and iii) informed discussion and debate within the community regarding these matters. In fulfilling these objectives, ANZCCART constitutes a critically important element in Australian and New Zealand scientific research and animal welfare.

I express my thanks to all members of the Board and Council and also the staff of ANZCCART, both in Australia and New Zealand, for their contributions during 2003. I particularly thank our major sponsors: the Australia Research Council, CSIRO and the Australian Vice-Chancellors Committee, as well as the Royal Society of New Zealand and the NHMRC for their support.



Roger Holmes
Chairman

MEMBERS OF BOARD, COUNCIL AND STAFF OF ANZCCART

ANZCCART Board

Chairman (Elected by Board)

Roger Holmes BSc (Hons), PhD, DSc	AVCC	Appointed Chairman Nov. 2003
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Members

David Adams BSc (Hons), PhD	ARC	Until March 2003
Elizabeth Grant AM PhC, MPS	NHMRC	
Patt Cragg BSc, PhD	RSNZ	
Alan Johnson BSc (Hons), MA (Hons), PhD, DSc, MEdMgmt	ARC	March – December 2003
Michael Rickard BVSc (Hons), PhD, DVSc, FTSE	CSIRO	Chairman until November 2003
Julie Owens BSc (Hons), PhD	ARC	Appointed January 2004

ANZCCART Staff

Director

Rory Hope BSc (Hons), PhD

Administrative Assistant

Julie Nixon BA

MEMBERS OF BOARD, COUNCIL AND STAFF OF ANZCCART

ANZCCART Council

Chairman

Roger Holmes BSc (Hons), PhD, DSc AVCC

Members

David Adams BSc (Hons), PhD	ARC (until March 2003)
Andrew Brennan BA, PhD	Lay Member
Peter Coggins	Commonwealth Dept. of Agriculture, Fisheries and Forestry
Ian Cowie BA (Hons), MSc	WA Department of Local Government
Pat Cragg BSc, PhD	RSNZ
Kevin Doyle BVSc, MACVSc, Grad.Cert.Man., MASM	AVA
Elizabeth Grant AM, PhC, MPS	NHMRC
Peter Holdsworth BSc (Hons), PhD	AVCARE
Alan Johnson BSc (Hons), MA (Hons), PhD, DSc, MEdMgmt	ARC (March – December 2003)
Deborah Kelly BSc (Vet. Biol.), BVMS	SA Department of Environment and Heritage
Tim Kuchel BVSc (Hons), MVS, DVA, MRCVS	ANZSLAS
Michael Manuel BVSc	Tasmanian Department of Primary Industry
Julie Owens BSc (Hons), PhD	ARC (from January 2004)
Michael Rickard BVSc (Hons), PhD, DVSc, FTSE	CSIRO
Steve Tate BVSc	Victorian Department of Natural Resources and Environment
Steven Thompson MA, PhD	RSNZ
Margaret Rose BVSc, PhD	NSW Agriculture
Jonathan Stone MB, BS, PhD, FAA	Australian Academy of Science
John Strachan LLB	Animal Welfare Member
Rick Symons BVSc, MBA, PhD	Queensland Department of Primary Industries
Ray Yates	AATA

Associate members of ANZCCART New Zealand

Agricultural Chemical and Animal Remedies Manufacturers Association of New Zealand (AGCARM)

Animal Science Technicians' Association of New Zealand

AgriQuality Ltd

Department of Conservation

MAF Biosecurity Authority

National Institute of Water and Atmospheric Research Ltd (NIWA)

New Zealand Veterinary Association

Royal New Zealand Society for the Prevention of Cruelty to Animals

Unitec

ANZCCART in New Zealand operates as a Committee of the Royal Society of New Zealand appointed by the Council of the Society under Section 27(1) of the Society's 1997 Act. Members of the New Zealand Board of ANZCCART are appointed by the Council of the Society after consultation with the interests represented within the financial membership. The Royal Society of New Zealand has a seat on the Board of ANZCCART Australia.

BOARD REPORT FOR 2003

This report records the activities and achievements by ANZCCART in Australia and New Zealand during the calendar year 2003.

The Board

Membership of the Board of ANZCCART is shown on page 2. In March 2003, Professor Alan Johnson replaced Professor David Adams as the ARC representative and in January 2004, Professor Julie Owens replaced Professor Johnson. In November 2003, Professor Roger Holmes, who represents the Australian Vice-Chancellors Committee, took over from Professor Mike Rickard (CSIRO) as Chairman of the Board. Professor Rickard remained on the Board as Deputy Chairman. Dr Pat Cragg, Senior Lecturer in Physiology, University of Otago, Dunedin, continued as the Royal Society of New Zealand's representative on the Board.

The Board met on 5 occasions during 2003, two times in person and three times as part of a teleconference.

Monday 10 March 2003 (teleconference)

Members: Pat Cragg, Roger Holmes (Chair), Alan Johnson, and Rory Hope (Secretary). Michael Rickard was unable to take part due to telecommunication difficulties. Apologies were received from Elizabeth Grant.

Thursday 27 March 2003 (teleconference)

Pat Cragg, Elizabeth Grant, Roger Holmes, Alan Johnson, Mike Rickard (Chair), Rory Hope (Secretary).

Friday 23 May 2003 (University of Melbourne)

Pat Cragg, Roger Holmes, Alan Johnson, Rory Hope (Secretary).
Apologies were received from Elizabeth Grant and Michael Rickard.

Monday 11 August 2003 (teleconference)

Elizabeth Grant, Alan Johnson, Mike Rickard (Chair), Rory Hope (Secretary).
Apologies were received from Pat Cragg and Roger Holmes

Monday 14 November 2003 (University of Adelaide)

Pat Cragg, Elizabeth Grant, Roger Holmes, Alan Johnson, Mike Rickard (Chair), Rory Hope (Secretary).

The Council

Members of the ANZCCART Council are listed on page 3. Apart from the changes to the Board noted above, there were no additional changes to the composition of the Council during 2003.

The Council includes representation from 18 member organisations. It also includes two lay members, Professor Andrew Brennan and Mr John Strachan.

Administration

Dr. Rory Hope continued as Director throughout 2003. His contract with ANZCCART runs until 31 December 2004.

Following the retirement of Mrs Ros Judson at the end of 2002, Mrs Julie Nixon was appointed as Administrative Assistant. She commenced work (4 days per week) in late February 2003. Julie has a Bachelor of Arts Degree from the University of Sydney, and is experienced in modern office administration including information technology. Her contract with ANZCCART runs until 31 December 2004.

Coincidental with the appointment of Mrs Nixon, the ANZCCART office moved from Darling Building (Department of Environmental Sciences, University of Adelaide) to the Mitchell Building. This move resulted in the ANZCCART office being “out of action” for 2 weeks.

During 2003 Mrs Nixon worked on incorporating all the information and processes used by ANZCCART, into a computer-based database, which provides a central record of all the users of ANZCCART, linked to our administrative and accounts functions. This major initiative has resulted in a marked increase in the efficiency of office procedures. The office facilities were upgraded by purchasing new computing equipment and software.

2003 Annual General Meeting

The AGM for 2002 was held at the University of Melbourne on Friday 23 May 2003. At this meeting, the Annual Report for 2002 was adopted. Reports were received from the following member organisations: Australian Veterinary Association (Kevin Doyle); South Australian Department of Environment and Heritage (Deb Kelly); NSW Agriculture (Margaret Rose); ARC (Alan Johnson); NHMRC (Elizabeth Grant); CSIRO (Mike Rickard); Australian Animal Technicians Association (Ray Yates); Australian and New Zealand Society for Laboratory Animal Science (ANZSLAS) (Denise Noonan). Copies of these reports are available to members on request.

Finances

The financial statements (pages to 18 - 26) show that ANZCCART made a small surplus during 2003, and improved its total equity position. These figures highlight the effective cost-cutting measures introduced by the Board following the withdrawal of NHMRC annual sponsorship, and the significant reduction in RSNZ sponsorship.

During the year, ANZCCART was given on-line access to the University of Adelaide’s financial management system *PeopleSoft*. This led to improved efficiencies in dealing with the finances of ANZCCART. The Director and Administrative Assistant both completed courses on the use of the relevant computer software.

Annual Conference

The 2003 annual ANZCCART Conference entitled “Lifting the veil: finding common ground” was held in Christchurch, New Zealand, on 18-19 August. A full report on this very successful conference, which attracted over 150 delegates, can be found on page 32. The Proceedings of the Conference were published in February 2004.

Workshops

Two workshops were held. The first, entitled “The Australian Code of Practice: proposed revisions and their implications” took place at the University of Melbourne on Friday 23 May 2003. The workshop, sponsored by the NHMRC, attracted over 50 registrants. The workshop was particularly timely as it corresponded to a call from the Code Liaison Group (CLG) for public submissions on the draft revisions of the Australian Code of Practice. A report on the workshop was forwarded as a submission to the CLG, and copies of this report can be found on the ANZCCART website.

The second workshop, entitled “Monitoring animal welfare and promoting refinement”, took place at Monash University, Victoria, on Friday 17 October 2003 and attracted over 90 registrants. The Bureau of Animal Welfare, Department of Primary Industries, Victoria, sponsored the workshop. A number of important recommendations arose from this meeting (see Appendix 3) and ANZCCART is investigating ways of implementing these recommendations. A report on the workshop can be obtained from the ANZCCART website.

Newsletter

Three editions of *ANZCCART NEWS* were published during 2003. As a result of a readership survey conducted early in the year, we introduced a number of changes to the style and format of the publication; these were aimed at improving the “readability” of the newsletter, now that it is published electronically. Further improvements are planned for 2004, including a better mix of regular contributions from authors in both New Zealand and Australia. While ANZCCART is acutely aware of the drawbacks associated with electronic publication, it became necessary to use this format as a cost-cutting measure. The newsletter is currently sent by email to over 950 individuals and the list continues to expand. A small number of people have expressed a preference for the printed format and we post printed copies of the newsletter to these individuals. All editions of *ANZCCART NEWS* dating back to September 1999 are now available for inspection or downloading from our website. Concurrent with the planned improvements to our website, we hope to develop a system for keyword searching through past editions of *ANZCCART NEWS*. In 2004, we plan to publish a volume containing key papers from past editions of the newsletter.

Publications

The major publications during 2003 were:

Animal welfare and Animal Ethics Committees: where are the goalposts now? Proceedings of the ANZCCART Conference held in Surfers Paradise, Queensland, October 2002. (ISBN 0-9586821-6-X).

The Australia and New Zealand Council for the Care of Animals in Research and Teaching. Tenth Annual Report (Year ended 31 December 2002) (ISSN 132201779).

Lifting the veil: finding common ground. Proceedings of the ANZCCART Conference held in Christchurch, New Zealand, 18-19 August 2003 (ISBN 1-877264-1418).

The Australian Code of Practice: proposed revisions and their implications. Report of the ANZCCART Workshop held at the University of Melbourne on Friday 23 May 2003. (Published electronically and available from the ANZCCART website).

Monitoring animal welfare and promoting refinement. Report of the ANZCCART Workshop held at Monash University, Victoria, on Friday 17 October 2003. (Published electronically. Available from the ANZCCART website).

Fact sheets

Fact Sheets published by ANZCCART provide an invaluable source of information on specific topics. During the year we finalised computer scanning of all fact sheets. These can now be downloaded, free of charge, from the ANZCCART web site.

Provision of information related to animal welfare and ethics

A major function of ANZCCART is to provide information to scientists, Animal Ethics Committees, government officers, animal carers, and members of the public. Most enquiries come to the ANZCCART office in Adelaide by email. If questions cannot be answered directly, a colleague with expertise in the relevant field is consulted. A sample of the topics covered during 2003 is given below:

- The extent to which research using fish is covered by the Australian Code of Practice and state animal welfare legislation;
- Welfare aspects of the collection of fetal calf serum for use in cell culture;
- Euthanasia of reptiles and cane toads;
- Identification of frogs using tattooing;
- Design of laboratory animal holding facilities and of transport boxes for laboratory strains of mice;
- Use of animals (including pound animals) for teaching in schools and universities;
- Statistics on animal usage for teaching and research in Australia;
- Trapping feral cats in the Blue Mountains of New South Wales, and problems associated with feral animal by-catch during research trapping;
- Frequency of trap inspection during ecological studies on reptiles;
- Mark/release/recapture studies on small mammals;
- Use of carbon dioxide gas for sheep anaesthesia, and assessing pain in sheep;
- AEC procedures when investigators outsource animal-based work to other institutions or suppliers.

ANZCCART provided assistance to secondary school students carrying out various projects.

Publicity cooperation

ANZCCART collaborated with a number of organisations (e.g., RSPCA, NHMRC; John Curtin School of Medical Research; Flinders University Animal Welfare Committee; The Jackson Laboratories, USA) in the collection and dissemination of information.

Relationship with the University of Adelaide

The University of Adelaide has generously agreed to provide ANZCCART with office accommodation and financial services, at least until 1 January 2006. In matters related to the University, the Director of ANZCCART reports through the Executive Dean (Faculty of Sciences) to the Deputy Vice-Chancellor (Research). The present office accommodation is in the basement of the Mitchell Building on the city campus. ANZCCART maintains a close relationship with the University of Adelaide, and gratefully acknowledges the strong support provided by the University.

Relationship with ANZCCART (New Zealand)

Michael Rickard (Chairman) and Rory Hope (Director) met with representatives from ANZCCART (New Zealand) on 12 August 2003 in Christchurch, to discuss the relationship between the two groups. (A previous meeting on this topic had been held in Wellington on 3 November 2000). A number of recommendations arose from this meeting and the New Zealand Board subsequently considered these at a meeting on 2 December 2003.

The following recommendations were agreed to:

1. The New Zealand Board would invite one or two Australian Board members once a year to participate in a New Zealand Board meeting at Australia's expense. A time for informal discussions between the Boards should be arranged at each annual conference.
2. Work plans should be exchanged on an annual basis.
3. There should be more interaction between the Executive Director based in Australia and the Executive Officer based in New Zealand.

Policy on privacy and security

ANZCCART has an important role in promoting community discussion and debate on animal ethics and welfare issues. To support this role ANZCCART maintains an extensive database of contact information (name, address, affiliation, phone and fax numbers, email address etc.) related to individuals and organisations. These data are used to email or post ANZCCART material such as notices about conferences and workshops and copies of *ANZCCART NEWS*. Occasionally ANZCCART circulates relevant information supplied by other reputable organisations, so long as such information is in keeping with ANZCCART's goals. In addition, when requests are received for information that cannot be answered in-house, such requests are forwarded to selected individuals whose contact details are kept on the ANZCCART database. These individuals are asked to respond personally to the inquirer. It is ANZCCART's policy to only forward messages if the contributor of the message has supplied full contact information, including name, affiliation, email and phone number.

ANZCCART operates within the Privacy Act (1988) and National Privacy Principles. The Company stores contact details to aid communication and to fulfil the company goals. Consent to maintain these details is implied unless we are notified that consent is withdrawn. Under no circumstances does ANZCCART reveal personal information to external agencies. In sending bulk emails originating from our address lists, we use the majordomo list service operated by the University of Adelaide, as this provides greater privacy to recipients. We use the Bcc (blind carbon copy) field so that addresses are hidden.

NEW ZEALAND BOARD REPORT 2003

During 2003, ANZCCART (NZ) continued to act as an advocate for responsible action and reason regarding the scientific uses of animals and engaged in a range of activities during the period. The main activity during 2003 was organising the biennial conference.

Over 150 delegates gathered in Christchurch on 18 and 19 August for the biennial conference of ANZCCART. In addition to members of ANZCCART, delegates included representatives of the RNZSPCA and the National Animal Ethics Advisory Committee, MAF and Australian Officials, researchers who work with animals, and members of various institutional animal ethics committees from across New Zealand and Australia.

The theme of the conference was “Lifting the veil: finding common ground”, a reflection of many scientists’ concern at misconceptions about the use of animals for research and teaching.

The programme of diverse and talented speakers represented the research, regulatory, advisory and public interest sectors drawn from New Zealand, Australia, the United States and the United Kingdom.

Some speakers put alternative views on the use of animals for research and the need for more transparency under the strict regulatory regime of the Animal Welfare Act and Animal Ethics Committees, which approve the use of animals for research projects. There was plenty of discussion, as attendees moved through the two-day programme with presentations in five key areas: “Animal research—where has it got us?” “Animal research—unveiling the process”, “Behind the statistics—grades of manipulation”; “Behind the statistics—unveiling the numbers”; and “Pressing concerns”. There was also an open session which was a facilitated opportunity for the delegates to raise issues of particular concern and for breakout groups to form based around these topics. The goal was to generate a series of proposals that could be taken from the conference for further consideration and promotion by appropriate groups.

While the direction of the conference was about open discussion, it also aimed at finding areas of agreement in the current debate and attempting to develop a set of informal recommendations that can be used to improve public awareness. Several clear recommendations came out of the conference that are being further developed by the groups represented at the conference.

All-Party Liaison Group On Animal Welfare

In 1998, ANZCCART along with the New Zealand Veterinary Association, the RNZSPCA, and Federated Farmers, agreed to collaborate and set up an All-Party Liaison Group on Animal Welfare where interested Members of Parliament meet from time to time with representatives from animal welfare groups to discuss issues.

In late November interested Members of Parliament met with ANZCCART, NZVA, RNZSPCA, and Federated Farmers representatives at Parliament to discuss relevant animal welfare issues. There were two main topics discussed:

1. Animal welfare and international trade: the role of the world animal health organisation (OIE)

New Zealand's export trade in animal products and animals relies heavily on having excellent animal welfare standards and practices. Discussion centred around some recent OIE initiatives and the February 2004 Global Conference on Animal Welfare in Paris.

2. Using animals in research, testing and teaching

There is public interest and debate about research using animals and a perceived lack of familiarity with the current regulatory system. Delegates to the ANZCCART Conference held in Christchurch in August debated these issues and developed some clear recommendations that were discussed at this meeting.

The meeting was considered the most successful to date and it was agreed that such meetings were worth continuing.

DIRECTOR'S ACTIVITIES 2003

In addition to those activities outlined in the Board Report, the Director, Dr Rory Hope, carried out the following activities during 2003:

- Maintained regular contact with members of the ANZCCART Board through meetings, teleconferences and written reports.
- Visited Mrs Elizabeth Grant (Chairman of the NHMRC Animal Welfare Committee) in Canberra for discussions about the relationship between ANZCCART and NHMRC; and Professor Margaret Rose (Director of Animal Care, University of NSW) to plan forthcoming ANZCCART workshops and conferences.
- Represented ANZCCART at the RSPCA Australia Scientific Seminar “Solutions for achieving humane vertebrate pest control”, Canberra, 25 February 2003.
- Gave the following invited presentations:
 - i. “Respect for Animals” - at the Animal Care Training Course organised by the Animal Welfare Committee, Flinders University
 - ii. “The Role and Function of ANZCCART” - at the Animal Ethics Training Course organised by the University of Adelaide and IMVS Animal Ethics Committees.
 - iii. “ANZCCART’s role in research” - in the Department of Anatomical Sciences, University of Adelaide University, Australia
- Hosted visits to the ANZCCART office in Adelaide from Professor Mike Rickard (ANZCCART Chairman) and Mr. John Mullarvey (Chief Executive Officer, Australian Vice Chancellors’ Committee).
- Attended meetings of the NHMRC Code Liaison Group in Canberra and Melbourne, representing Professor Roger Holmes (Australian Vice Chancellors’ Committee).
- Attended and contributed to the ANZCCART Annual Conference “Lifting the Veil: finding common ground” held in Christchurch, New Zealand.
- Attended the National Stem Cell Conference at the Waite campus, University of Adelaide.
- Compiled the document “Progress towards formulating a revised Australian Code of Practice” for distribution to the AVCC and Chairpersons of AECs in Australia.
- Drafted submissions to i) the Deputy Vice-Chancellor (Research), University of Adelaide, “Restructuring the Universities Animal Ethics Committee System”; and ii) the Chairs of AECs in South Australia, about a possible role for ANZCCART in facilitating triennial reviews of AECs, should such reviews become mandatory under the provisions of the revised Australian Code of Practice.
- Attended (as an observer) meetings of the Flinders University Animal Welfare Committee and the University of Adelaide Animal Ethics Committee.
- Revised various ANZCCART documents including “The Role of ANZCCART”
- Contributed to the draft NHMRC guidelines on Genetically Modified Organisms.
- Edited and published three editions of *ANZCCART NEWS*, and drafted a set of guidelines for authors.

General comments by the Director

Teaching and research using animals in Australia and New Zealand have been conducted in a careful and considered way, taking into account a wide spectrum of ethical, social and scientific opinions. In this regard, three major initiatives have been particularly influential: i) the establishment of the *Australian Code of Practice for the Care and Use of Animals for Scientific Purposes*, ii) the development of effective animal welfare legislation, underpinned by the code; and iii) the establishment of ANZCCART as an independent body to provide leadership in developing community consensus. All three developments have been based on wide community consultation and have taken into account a broad range of views.

Although animal use statistics in Australia are difficult to interpret, there is evidence from the United Kingdom and New Zealand that the number of animals used for research plateaued in the late 90s, but is increasing again, largely as a result of the use of genetically modified animals, particularly the laboratory mouse. The application of the transgenesis and cloning technologies is likely to see increasing use of the animal model in biomedical research. In these circumstances, it is imperative that not only the key role played by ANZCCART becomes more widely appreciated, but also that ANZCCART can embark on new initiatives.

At present, the financial support for ANZCCART is derived from a comparatively small number of organisations, each contributing a relatively large amount of money. Our member organisations, for whatever reason, occasionally change their funding policies, making it difficult to plan for the future. Indeed, the most serious impediment to an expansion of ANZCCART's activities is a shortage of income, and ways must be found to boost income and improve its reliability so that we can accomplish our goals more fully. For example, ANZCCART would like to be able to offer a postgraduate scholarship in targeted areas but financial constraints make it impossible to pursue this and other such worthwhile initiatives.

Attempts to encourage additional biomedical societies and other interested groups to become members of ANZCCART have been largely unsuccessful.

With the increasing costs of printing and the ready availability of information over the Internet, it is unlikely that ANZCCART publications will provide a significant source of revenue. Indeed, revenue from publications continues to decline.

A direct block grant from the Commonwealth Government would, of course, be very welcome. Nevertheless, in the absence of improved funding, we are still able to make a substantial contribution to the maintenance of teaching and research environments that give a high priority to animal welfare and ethics; to "humane science".

ANZCCART's previous offers to act as a facilitator for the distribution of Standard Operating Procedures (SOPs) have met with little support. There was reluctance amongst institutions that have developed SOPs to make them freely available. We intend to revisit this important issue, and to incorporate references to SOPs on a new ANZCCART web site.

All institutions licensed to carry out research with animals are legally obliged by Australian State Government and New Zealand Government legislation to establish an Animal Ethics Committee (AEC) to approve individual research proposals. Members of AECs often express the view that some formal training in ethics would be useful. Despite the title "Animal Ethics Committee" it is likely that very few members of AECs have any formal background in ethics, yet their responsibility is to make decisions based on ethical principles. This situation should be addressed. In South Australia, moves are afoot to establish a South Australian Ethics Centre. It is suggested that one of the roles of this centre could be to develop short courses in ethics for members of AECs.

Looking to the future

ANZCCART's major specific undertakings during 2004 will be:

- **Annual ANZCCART Conference** "Animal Ethics: New Frontiers, New Opportunities". Sydney, N.S.W (26 – 28 September).
- **Symposium** on animal welfare and ethics. Perth, W.A (24 June).
- **Workshop** "Monitoring animal welfare and promoting refinement". Adelaide, S.A. (early December).
- **ANZCCART NEWS** – three editions to be published.
- **Selected papers from ANZCCART NEWS** – a volume to be edited and prepared for publication in early 2005.
- **Fact sheets** – review, updating and re-publication of selected fact sheets.
- Completion of the revamped **ANZCCART website**.

Additional details are given in Appendix 4.

Acknowledgements

The Director would like to extend a special thanks to the following:

- Members of the ANZCCART Board and Council;
- Colleagues on the Board of ANZCCART (New Zealand);
- Our major sponsors – Australian Research Council (ARC), Australian Vice-Chancellors' Committee (AVCC), Commonwealth Scientific and Industrial Research Organisation (CSIRO) and the Royal Society of New Zealand (RSNZ);
- Donor members for their continuing support;
- Bureau of Animal Welfare (Victoria), for providing sponsorship for an ANZCCART workshop;
- NHMRC Animal Welfare Committee, for providing sponsorship for an ANZCCART workshop;
- Mrs Julie Nixon for her efficient and effective administrative assistance;
- The University of Adelaide – for the provision of accommodation and accounting facilities;
- The following individual members of the University of Adelaide for generous assistance and advice: Professor Edwina Cornish, Deputy Vice-Chancellor (Research); Ms. Kerry Jaeger, Senior Executive Officer, Office of the DVC (Research); Professor Peter Rathjen, Executive Dean, Faculty of Sciences; and Mrs Lynne Broadbridge, Finance and Business Development Manager, Faculty of Sciences.

FINANCIAL STATEMENT AND AUDITOR'S REPORT 2003

Australian and New Zealand Council for the Care of Animals in Research and Teaching Limited

A.C.N. 063 383 522

DIRECTORS' REPORT

The Directors present their report, prepared in accordance with the Corporations Act 2001, together with the financial statements of ANZCCART for the year ended 31 December 2003 and the auditor's report thereon.

Directors

The Directors at any time during or since the financial year are:

Roger Holmes, Chairman	BSc (Hons), PhD, DSc	Director since 1996, appointed Chairman Nov. 2003
Michael Rickard	BVSc (Hons), PhD, DVSc, FTSE	Director since 1995
Elizabeth Grant	AM, PhC, MPS	Director since 2000
Pat Cragg	BSc, PhD	Director since 2001
Alan Johnson	BSc (Hons), MA (Hons), PhD, DSc, MEdMgmt	Director since Mar. 2003, resigned Jan. 2004
Davis Adams	BSc (Hons), PhD, DSc	Director since 2001, resigned Mar. 2003
Julie Owens	BSc (Hons), PhD	Director since Jan. 2004

Principal activities

The principal activity of the council during the course of the period was to provide leadership in developing community consensus on ethical, social and scientific issues relating to the use of animals in research and teaching. There were no significant changes in the nature of the activities of the company during the period.

Result

The operating profit for the year ended 31 December 2003 was \$39,513 (2002: profit \$34,422)

Review of Operations

Refer to the Board's Report.

State of Affairs

In the opinion of the directors there were no significant changes in the state of affairs of the company that occurred during the period under review.

Events Subsequent to Balance Date

There has not arisen in the interval between the end of the period and the date of this report any item, transaction or event of a material and unusual nature likely in the opinion of the directors of the Council, to affect significantly the operations of the Council, the results of those operations, or the state of affairs of the Council in future financial years.

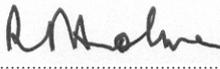
Likely Developments

The Company will continue its normal activities and the Directors are not aware of any likely developments which would significantly affect the results of the Company in financial years subsequent to the financial year ended 31 December 2003.

Directors' Insurance and Indemnity

The Company has a policy in relation to Directors' and Officers' Liability Legal Expenses Insurance. The directors have not included details of the nature of the liabilities covered or the amount of the premium paid in respect of the directors' and officers' liability, as such disclosure is prohibited under the terms of the contract.

Signed in accordance with a resolution of the Directors:


.....

Director

Dated 22 March 2004

at Newcastle

**STATEMENT OF FINANCIAL PERFORMANCE
FOR THE YEAR ENDED 31 DECEMBER 2003**

		2003	2002
	NOTE	\$	\$
Revenue from ordinary activities	2	170,240	212,208
Expenses from ordinary activities	3	130,727	177,786
Profit/(loss) from ordinary activities before related income tax expense		39,513	34,422
Income tax attributable to ordinary activities	1(c)	-	-
Net Profit/(loss)	8	39,513	34,422
Total changes in equity from non-owner related transactions	8	39,513	34,422

The statement of financial performance is to be read in conjunction with the notes to and forming part of the accounts set out on pages 21 to 22.

**STATEMENT OF FINANCIAL POSITION
AS AT 31 DECEMBER 2003**

		2003	2002
	NOTE	\$	\$
Current Assets			
Cash	9	89,520	75,991
Receivables	5	37,581	3,850
Total Current Assets		<u>127,101</u>	<u>79,841</u>
Non-current assets			
		-	-
Total Assets		<u>127,101</u>	<u>79,841</u>
Current Liabilities			
Payables	6	6,033	3,705
Provisions	7	<u>6,526</u>	<u>1,107</u>
Total Current Liabilities		12,559	4,812
Non-Current Liabilities			
Provisions	7	<u>-</u>	<u>-</u>
Total Non- Current Liabilities		<u>-</u>	<u>-</u>
Total Liabilities		<u>12,559</u>	<u>4,812</u>
NET ASSETS		<u>114,542</u>	<u>75,029</u>
Equity			
Retained profit	8	114,542	75,029
TOTAL EQUITY		<u>114,542</u>	<u>75,029</u>

The statement of financial performance is to be read in conjunction with the notes to and forming part of the accounts set out on pages 21 to 22.

**STATEMENT OF CASH FLOWS FOR
THE YEAR ENDED 31 DECEMBER 2003**

	NOTE	2003 \$	2002 \$
Cash flows from operating activities			
Cash receipts in the course of operations		136,509	218,670
Payments to employees and suppliers		<u>(122,980)</u>	<u>(209,183)</u>
Net cash provided by / (used in) operating activities	10	<u>13,529</u>	<u>9,487</u>
Cash flows from investing activities			
Net cash provided by investing activities		<u>-</u>	<u>-</u>
Cash flows from financing activities			
Net cash provided by financing activities		<u>-</u>	<u>-</u>
Net increase (decrease) in cash held		13,529	9,487
Cash at the beginning of the financial year		75,991	66,504
Cash at the end of the financial year	9	<u>89,520</u>	<u>75,991</u>

The statement of cash flows is to be read in conjunction with
the notes to and forming part of the accounts set out on pages 21 to 22.

**NOTES TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDING 31 DECEMBER 2003**

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

The significant policies that have been adopted in the preparation of these financial statements are:

b) Basis of preparation

The financial statements are a general-purpose financial report, which has been prepared in accordance with accounting Standards, Urgent Issues Group Consensus Views, other authoritative pronouncement of the Australian Accounting Standards Board and the Corporations Act 2001.

It has been prepared on the basis of historical costs and except where stated, does not take into account changing money values or fair values of non-current assets.
concern basis.

(b) Going Concern

The Directors have prepared these financial statements on a going concern basis.

(c) Taxation

ANZCCART is exempt from tax under s 50-5 of the Income Tax Assessment Act 1997 because it is a non-profit organisation which was established for the encouragement of scientific research associated with public universities.

(d) Employee entitlements

The provision for employees' entitlements to annual leave represents the amount that ANZCCART has a present obligation to pay resulting from employees' services provided up to balance date. The provision has been calculated at nominal amounts based on current salary rates and includes related on-costs.

Provisions for employee entitlements, which are not expected to be settled within twelve months, are discounted using the rates attaching to national government securities at balance date, which most closely match the terms of maturity of the related liabilities.

The provision for employee entitlements to long service leave represents the present value of the estimated future cash outflows to be made by ANZCCART resulting from employees' services provided up to the balance date. In determining the provision for employee entitlements, consideration has been given to future increases in wages and salary rates. Related on-costs have also been included in the liability.

(e) Accounts Payable

Liabilities are recognised for amounts to be paid in the future for goods or services received, whether or not billed to the Company. Trade accounts payable are normally settled within 60 days.

(f) Property, plant and equipment

Minor items of plant and equipment are expensed at the time they are acquired.

(g) Revenue Recognition

Revenues are recognised at fair value of the consideration received net of the amount of goods and services tax (GST). Exchanges of goods or services of the same nature and value without any cash consideration are not recognised as revenues.

Sale of goods

Revenue from the sale of goods is recognised (net of returns, discounts and allowances) when control of the goods passes to the customer.

(h) Goods and Services Tax

Revenues, expenses and assets are recognised net of the amount of goods and services tax (GST), except where the amount of GST incurred is not recoverable from the Australian Tax Office (ATO). In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense.

Receivables and payables are stated with the amount of GST included.

The net amount of GST recoverable from, or payable to, the ATO is included as a current asset or liability in the statement of financial position.

Cash flows are included in the statement of cash flows on a gross basis. The GST components of cash flows arising from investing and financing activities, which are recoverable from, or payable to, the ATO are classified as operating cash flows.

**NOTES TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDING 31 DECEMBER 2003**

	2003	2002
	\$	\$
2. REVENUE FROM ORDINARY ACTIVITIES		
<i>Operating Revenue</i>		
Funding	164,349	157,550
Sales of Publications	1,296	6,794
ANZCCART conferences	-	46,955
Executive Officer sitting fees	-	-
Other Income	4,595	909
	170,240	212,208
	170,240	212,208
3. EXPENSES FROM ORDINARY ACTIVITIES		
Salaries, wages and payroll expenses		
- Director	70,104	63,106
- Administrative Assistant	33,420	32,630
ANZCCART News	38	9,729
Other	23,077	30,004
ANZCCART conferences	4,088	42,317
	130,727	177,786
	130,727	177,786
4. AUDITORS REMUNERATION (included in 'Other' above)		
Amounts received or due and receivable by the Auditors of the company for:		
Auditing the financial statements	1,250	1,200
Other services	-	-
	1,250	1,200
	1,250	1,200

**NOTES TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDING 31 DECEMBER 2003**

	2003	2002
	\$	\$
5. RECEIVABLES		
Outstanding sponsorships	37,350	3,850
GST receivable	231	
	37,581	3,850
6. PAYABLES		
<i>Current</i>		
Trade creditors & accruals	2,638	3,355
GST Payable	3,395	350
	6,033	3,705
7. PROVISIONS		
<i>Current</i>		
Long Service Leave entitlements	2,528	-
Annual Leave entitlements	3,998	1,107
Total current	6,526	1,107
<i>Non-Current</i>		
Long Service Leave entitlements	-	-
Total Non-current	-	-
Total	6,526	1,107

**NOTES TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDING 31 DECEMBER 2003**

8. EQUITY	2003	2002
	\$	\$
Retained profits at the beginning of the financial period	75,029	40,607
Net Profit/(loss)	39,513	34,422
	<hr/>	<hr/>
Retained profits at the end of the financial period	114,542	75,029
	<hr/>	<hr/>

9. RECONCILIATION OF CASH

For the purposes of the Statement of Cash Flows, cash includes cash on hand and at bank and short term deposits at call, net of outstanding bank overdrafts. Cash as at the end of the financial year as shown in the statement of cash flows is reconciled to the related item in the statement of financial position as follows:

	2003	2002
	\$	\$
Cash at bank	89,520	75,991
	<hr/>	<hr/>
	89,520	75,991
	<hr/>	<hr/>

10. RECONCILIATION OF PROFIT FROM ORDINARY ACTIVITIES AFTER RELATED INCOME TAX EXPENSE TO NET CASH PROVIDED BY OPERATING ACTIVITIES

Profit from ordinary activities before tax	39,513	34,422
Increase/(decrease) in trade creditors & accruals	2,328	(1,901)
Increase/(decrease) in employee provisions	5,419	(29,496)
(Increase)/decrease in receivables	(33,731)	6,462
	<hr/>	<hr/>
Net cash provided by/(used in) operating activities	13,529	9,487
	<hr/>	<hr/>

11. SUBSEQUENT EVENTS

There has not arisen in the interval between the end of the period and the date of this report any item, transaction or event of a material and unusual nature likely, in the opinion of the directors of the council, to affect significantly the operations of the council, the results of those operations, or the state of affairs of the council in future financial years.

12. DIRECTORS

The names of each person holding the position of Director of ANZCCART during the year are

Roger Holmes, Chairman
Michael Rickard
David Adams
Elizabeth Grant
Pat Cragg
Alan Johnson

Details of Directors' remuneration are set out in note 13.

13. DIRECTORS' REMUNERATION

	2003	2002
The number of Directors whose income from ANZCCART or related parties falls within the following bands:		
\$ 0 - \$9,999	6	5
Total income paid or payable, or otherwise made available, to all directors of ANZCCART from the Council or any related party.	-	-

14. COMMITMENTS AND CONTINGENCIES

As at balance date, there are no commitments.

15. ADDITIONAL FINANCIAL INSTRUMENTS DISCLOSURE

Interest rate risk

The council's exposure to interest rate risk and the effective weighted average interest rate for each class of financial assets and liabilities are as follows:

Cash - non interest bearing. Cash is held with the University of Adelaide.

Receivables - non interest bearing.

Creditors - non interest bearing.

Credit risk exposure

Credit risk represents the loss that would be recognised if counterparties failed to perform as contracted.

The credit risk on financial assets, which have been recognised on the statement of financial position, is the carrying amount, net of any provision for doubtful debts.

Net fair values of financial assets and liabilities

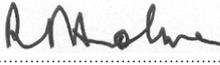
The carrying amounts of receivables, accounts payable and employee entitlements approximate net fair value.

DIRECTORS' DECLARATION

In the opinion of the directors of ANZCCART Ltd.

1. (a) the financial statements and notes, set out on pages 3 to 11, are in accordance with the Corporations Act 2001, including:
 - (i) giving a true and fair view of the financial position of the Company as at 31 December 2003 and of its performance, as represented by the results of its operations and its cash flows for the year ended on that date; and
 - (ii) complying with Accounting Standards in Australia and the Corporations Regulations 2001; and
- (b) there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

Signed in accordance with a resolution of the directors:



Director

Dated 23 March 2004

at Newcastle

**INDEPENDENT AUDITORS' REPORT TO THE MEMBERS OF AUSTRALIAN AND NEW
ZEALAND COUNCIL FOR THE CARE OF ANIMALS
IN RESEARCH AND TEACHING LIMITED**

SCOPE

We have audited the financial report of the Australian and New Zealand Council for the Care of Animals in Research and Teaching Limited ("The Company") for the financial year ended 31 December 2003 consisting of the statement of financial performance, statement of financial position, statement of cash flows, accompanying notes, and the directors' declaration set out on pages 3 to 12. The Company's Directors are responsible for the financial report. We have conducted an independent audit of the company's financial report in order to express an opinion on it to the members of the Australian and New Zealand Council for the Care of Animals in Research and Teaching Limited.

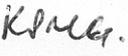
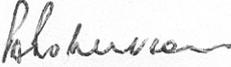
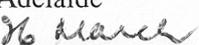
Our audit has been conducted in accordance with Australian Auditing Standards to provide reasonable assurance whether the financial report is free of material misstatement. Our procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial report, and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion whether, in all material respects, the financial report is presented fairly in accordance with Accounting Standards and other mandatory professional reporting requirements in Australia and statutory requirements so as to present a view which is consistent with our understanding of the Australian and New Zealand Council for the Care of Animals in Research and Teaching Limited's financial position and performance as represented by the results of its operations and its cash flows.

The audit opinion expressed in this report has been formed on the above basis.

AUDIT OPINION

In our opinion, the financial report of the Australian and New Zealand Council for the Care of Animals in Research and Teaching Limited is in accordance with:

- (a) the Corporations Act 2001, including:
 - (i) giving a true and fair view of the Company's financial position as at 31 December 2003 and of its performance for the year ended on that date; and
 - (ii) complying with Accounting Standards in Australia and the Corporations Regulations 2001; and
- (b) other mandatory professional reporting requirements in Australia.


KPMG

Peter Robertson
Partner
Adelaide
 2004

APPENDIX 1

ANZCCART Publications (including workshop reports)

The following ANZCCART publications are available from its offices in Adelaide and Wellington.

- Animal Pain: Ethical and Scientific Perspectives (eds T. Kuchel, M. A. Rose and J. Burrell), 1992.
- Survey of Laboratory Animals and Tumour Cell Lines Maintained in Australia (ed R. M. Baker), 8th Edition, 1997.
- Effective Animal Experimentation Ethics Committees (eds R. M. Baker, J. H. Burrell and M. A. Rose, 1994). Proceedings of the conference held at the University of Adelaide, Australia, October, 1992.
- Annual Reports (since 1993).
- Animal Welfare in the Twenty-First Century: Ethical, Educational and Scientific Challenges (eds R. M. Baker, D. J. Mellor and A. M. Nicol 1994). Proceedings of the conference held in Christchurch, New Zealand, April, 1994.
- Banting's Dog and Schrödinger's Cat: Animals and Experiments (C. Puplick) ANZCCART Public Lecture, 1994.
- Animals and Science in the Twenty-First Century: New Technologies and Challenges (eds R. M. Baker, R. Einstein, D. J. Mellor and M. A. Rose 1994). Proceedings of the conference held in Melbourne, Australia, October, 1994.
- Farm Animals in Biomedical and Agricultural Research (eds R. M. Baker, R. Einstein and D. J. Mellor). Proceedings of the conference held in Wellington, New Zealand, August, 1995.
- Animals in Education: Value, Responsibilities and Questions (eds A. Brennan and R. Einstein). Proceedings of the conference held in Canberra, September, 1996.
- Animal Experimentation: A Student Guide to Balancing the Issues. (V. Monamy), 1996.
- Ethical Approaches to Animal-based Science (eds D. Mellor, M. Fisher and G. Sutherland). Proceedings of the conference held in Auckland, New Zealand, September, 1997.
- The Use of Adjuvants in Animals in Australia and New Zealand . 1998.
- The Use of Wildlife for Research (eds. D. Mellor and V. Monamy). Proceedings of the conference, held in Dubbo, NSW, May 1999.
- Innovation, Ethics and Animal Welfare: public confidence in science and agriculture (eds D. Mellor, M. Fisher and G. Sutherland). Proceedings of the AWAC/ANZCCART conference held in Wellington, New Zealand, November 1999.
- Housing for laboratory rats, mice, guinea pigs and rabbits. (A. Hargreaves), 2000.
- Farm Animals in Research - can we meet the demands of ethics, welfare, science and industry? Proceedings of the conference held in Adelaide, November 2000 (eds. R. Baker, M. Fisher and P. Hemsworth).
- Learning, animals and the environment: changing the face of the future. Proceedings of the ANZCCART/NAEAC conference held in Hamilton, New Zealand, June 2001.
- Euthanasia of Animals Used for Scientific Purposes (ed. J. Reilly), 2nd edition, 2001.
- Animal welfare and animal ethics committees: where are the goalposts now? Proceedings of the ANZCCART Conference held at the Gold Coast International Hotel, Queensland, October 17-19 2002.
- Lifting the veil: finding common ground. Proceedings of the ANZCCART Conference held in Christchurch, New Zealand, 18-19 August 2003.

Workshop reports

Monitoring animal welfare and promoting refinement. Report on the ANZCCART Workshop held at Monash University, Melbourne, Australia on 17 October 2003.

The Australian Code of Practice, proposed revisions and their implications. Report on the ANZCCART Workshop held at the University of Melbourne on 23rd May 2003.

The welfare of transgenic animals. Report on the ANZCCART Workshops held at Sydney (28 November 2001) and Melbourne (30 November 2001).

Animal Welfare Officers' Workshop. Report on the ANZCCART Workshop held at the University of Adelaide on 29 November 2000.

Analgesia of Laboratory Animals. Report on the ANZCCART Workshop held at the University of Adelaide on 21 July 1999.

Category C Members of Animal Ethics Committees. Report on the ANZCCART Workshop held at the University of Melbourne on 23 April 1999.

Animal health monitoring in the research environment. Report on the ANZCCART Workshop held in Melbourne, 1998.

APPENDIX 2 Fact Sheets

The following ANZCCART Fact Sheets are available on the ANZCCART web site and from its offices in Adelaide.

The Rat, 1993. David Pass, Graham Freeth.

The Mouse. Part 2, 1993. Catheryn O'Brien, Margaret Holmes.

The Mouse. Part 1, 1993. Catheryn O'Brien, Margaret Holmes.

Experimental Techniques and Anaesthesia in the Rat and Mouse, 1994. Steven Marshall, Angela Milligan, Ray Yates.

The Laboratory Rabbit, 1994. Ivor Harris.

The Guinea Pig (*Cavia porcellus*), 1994. Denise Noonan.

The Common Marmoset, 1994. Julie M. Clarke.

The Sheep, 1995. David Adams, Michael McKinley.

The Laboratory Cat, 1995. A.E. James.

Australian Marsupials, 1995. Louise McKenzie, Clive Cheeson, Rory Hope, Janine A. Duckworth, Lynne M. Meikle.

Restraint and Handling of Captive Wildlife, 1996. Andrew Tribe, Derek Spielman.

In vitro and other non-animal experiments in the biomedical sciences, 1996. Bas J. Blaauboer.

The Domestic Chicken, 1996. Philip Glatz, Kim Critchley, Christine Lunam.

The Dog as an Experimental Animal, 1997. Mary Bate.

Variables in Animal Based Research: Part 1 Phenotypic Variability in Experimental Animals, 1997. Ivor Harris.

Occupational Health and Safety in the Animal House and Associated Laboratories, 1998. Tony James.

The Importance of Non-Statistical design in Refining Animal Experiments, 1998. David B. Morton.

Variables in Animal Based Research: Part 2 Variability Associated with Experimental Conditions and Techniques, 1998. Julie Reilly.

Pain - Assessment, Alleviation and Avoidance in Laboratory Animals, 1999. Paul Flecknell.

Frogs and Toads as Experimental Animals, 1999. Michael J. Tyler.

Importation, Quarantine and Monitoring of Laboratory Animals, Particularly Rodents, for issue in Australia., 1999. Kevin Doyle.

Development and use of Transgenic Rodents in Preclinical Research - Practical Issues, 2000. Patrick Hardy.

Doing Better Animal Experiments; Together with Notes on Genetic Nomenclature of Laboratory Animals, 2000. Michael Festing.

Managing Fallow Deer (*Dama dama*) and Red Deer (*Cervus elaphus*) for Animal house Research, 2001. Z.H. Miao, P.C. Glatz, A. English, Y.J. Ru.

APPENDIX 3

Conclusions and recommendations arising from the ANZCCART Workshop

Monitoring Animal Welfare & Promoting Refinement
Monash University Friday October 17, 2003

In general, the standards of monitoring and recording animal welfare are good. However, in some instances, these standards may be inconsistent and inadequate.

Institutions, perhaps through their Animal Ethics Committees (AECs), should continue to encourage an ethos amongst investigators, that the monitoring of animal welfare is an integral part of good research.

There is a tendency for some research scientists to leave the responsibility of animal welfare to animal facility staff.

Animal welfare must be seen as a shared responsibility, and ways need to be developed to encourage close involvement by scientists. There should be more face-to-face contact and discussion amongst researchers, animal facility staff and members of AECs.

Understaffing of animal care facilities can lead to inefficient monitoring.

Institutions and researchers should be made aware of the essential nature of monitoring animal welfare and be encouraged to devote sufficient resources to this task.

Uninformed enthusiasm for “enrichment” in animal breeding facilities can detract from more basic monitoring needs.

Strategies should be developed so that staffing and equipment in animal breeding facilities are used to optimise animal welfare outcomes.

The lines of reporting associated with animal monitoring are sometimes unclear.

The development and use of standardised forms of electronic reporting and centralised monitoring should be encouraged.

There is a need for continued improvements to be made in the collection of quality national statistics on the use of animals for teaching and research. However, the volume of paperwork, the sometimes-confusing nature of the data required, and a lack of understanding about the use to which the data may be put, are retarding progress.

The collection and dissemination of national statistics is an integral component of monitoring animal welfare. Resources should be devoted to the continued development of this important area.

There are special problems associated with field studies. These include i) assessing the impact of such studies at the population level and ii) monitoring work at remote locations.

Animal Ethics Committees should seek expert advice in assessing applications for fieldwork. Such advice should include a careful assessment on any undesirable impact of the research. Before approving field studies, AECs should develop effective plans for independently monitoring the work.

There are special problems posed by the development and breeding of genetically modified organisms (GMO), largely resulting from phenotypic unpredictability and consequent welfare implications.

In assessing GMO protocols, AECs should draw on a broad range of skills. This will often require the co-opting of additional expertise. Staff in animal care facilities should be closely involved from the outset. Consideration should be given to developing courses aimed at training animal carers in the special needs of monitoring GMOs.

There is potential for conclusions about animal welfare, when based on subjective assessments of behaviours, to be incorrect.

Individuals involved in planning and monitoring should, where practicable, be trained in animal behaviour.

The general level of understanding of the contribution of work involving animals to biomedical research should be improved, as should the animal welfare and ethics implications of such work.

Consideration should be given to the introduction of formal courses in welfare and ethics in schools and higher education institutions.

The important elements of high quality animal welfare monitoring are:

- **adequate training and resources;**
- **commitment;**
- **experience;**
- **preparedness to adopt change; and**
- **teamwork.**

APPENDIX 4

Business plan 2004

The main features of the Business Plan for 2004 are to:

- continue to strengthen links with Australian and New Zealand Biomedical Societies and seek their ongoing sponsorship;
- continue to implement efficiencies by developing further the financial and contact database systems;
- publish three editions of ANZCCART NEWS;
- plan and implement Annual Conference: “Animal Ethics: New Frontiers, New Opportunities” Sydney, N.S.W., 26 – 28 September 2004;
- plan and implement 1-day Symposium: “Animal Welfare Act 2002: its impact on the use of animals in research and teaching in WA”. Perth, W.A., 24 June 2004;
- plan and implement ANZCCART Workshop: “Monitoring animal welfare and promoting refinement” Adelaide, S.A., 3 December 2004;
- join with AVAWE in planning a satellite meeting associated with Australian Veterinary Association Annual Conference., Canberra, A.C.T., 2-7 May 2004;
- update and republish a selection of ANZCCART Fact Sheets;
- edit and prepare for publication: “Selected Papers from ANZCCART NEWS”; and
- redevelop the ANZCCART website.

APPENDIX 5

Acronyms commonly encountered

AATA	Australian Animal Technicians' Association
AATSE	Australian Academy of Technological Sciences and Engineering
AEC	Animal Ethics Committee
AEEC	Animal Experimentation Ethics Committee
AGCARM	Agricultural Chemical and Animal Remedies Manufacturers' Association of New Zealand
AHA	Animal Health Australia (formerly AAHC)
ANZFAS	Australian and New Zealand Federation of Animal Societies
ANZSLAS	Australian and New Zealand Society for Laboratory Animal Science
ARC	Australian Research Council
ARMCANZ	Agricultural and Resource Management Council of Australia and New Zealand
AVA	Australian Veterinary Association
AVCARE	Agricultural and Veterinary Chemicals Association
AVAWE	Australian Veterinary Association Welfare and Ethics Group
AV-CC	Australian Vice-Chancellors' Committee
AVERT	Australian Veterinarians in Ethics, Research and Teaching
AWAC	Animal Welfare Advisory Committee
AWC	Animal Welfare Committee
CSIRO	Commonwealth Scientific and Industrial Research Organisation
ICLAS	International Council for Laboratory Animal Science
MAF	Ministry of Agriculture and Forestry (New Zealand)
NAEAC	National Animal Ethics Advisory Committee
NCCAW	National Consultative Committee on Animal Welfare
NHMRC	National Health and Medical Research Council
NZVA	New Zealand Veterinary Association
RNZSPCA	Royal New Zealand Society for the Prevention of Cruelty to Animals
RSNZ	Royal Society of New Zealand
RSPCA	Royal Society for the Prevention of Cruelty to Animals
UFAW	Universities Federation for Animal Welfare

