

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

NINTH ANNUAL REPORT

For the Year Ending 31 December 2001



ANZCCART 2002

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**Australian and New Zealand Council for the Care of Animals in
Research and Teaching (ANZCCART) Limited. A.C.N. 063 383 522**

Department of Environmental Biology

Adelaide University

SA 5005

Tel: 61-8-8303 7586

Fax: 61-8-8303 7587

e-mail: anzccart@adelaide.edu.au

website: <http://www.adelaide.edu.au/ANZCCART/>

PO Box 598, Wellington, New Zealand

Tel: 64-4-470 5784

Fax: 64-4-473 1841

e-mail: anzccart@rsnz.govt.nz

website: <http://anzccart.rsnz.govt.nz>

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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.
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PREFACE

The activities of ANZCCART during the year were again directed towards the needs of its major client groups — biomedical researchers, agricultural and veterinary researchers, animal ethics committees and government animal research administrators.

A highly successful ANZCCART conference, *Learning, animals and the environment: changing the face of the future*, was held in New Zealand in June. The Proceedings of this conference are now published and available for purchase.

ANZCCART hosted workshops on three topics during the year in Australia: i) *Monitoring and quality assurance of animal ethics committees* (held at the University of Adelaide), ii) *Working with wildlife: perspectives of a veterinarian and lawyer* (Taronga Zoo, Sydney), and iii) *The welfare of transgenic animals* (University of New South Wales, Sydney, and Monash University, Melbourne). The latter workshops were particularly well attended. Two workshops held in New Zealand on the topic: *Recent developments in anaesthesia in laboratory animals*, were also very well attended.

In addition to our quarterly newsletter, *ANZCCART News*, there were two major publications during the year. The proceedings from ANZCCART's Conference 2000 — *Farm animals in research – can we meet the demands of ethics, science, welfare and industry* – were published and have been well received, with steady sales figures since its publication. Sales figures have been exceptionally high for ANZCCART's second publication, *Euthanasia of animals used for scientific purposes*, Edition 2. Originally published in 1993, Dr Julie Reilly, with considerable input by Associate Professor Margaret Rose, substantially revised this useful document. These add to ANZCCART's extensive list of quality publications and both have received very good reviews.

In 2002 adaptations will have to be made because of decreased income but the Board is determined to see ANZCCART come through these difficult times as we believe our organisation is valuable to the scientific community. We are seeking support from possible new sources and are requesting our existing sponsors consider increasing their annual payments. The cost of *ANZCCART News* is being cut by producing our newsletter electronically during 2002, but we hope in the future to be able to revert to publication in hard copy format.

My particular thanks go to Professor Roger S. Holmes, the previous Chairman of ANZCCART, for his strong leadership and useful contribution over the past two years and I am pleased that he remains on our Board as Deputy Chairman. Thanks also go to Dr Mark Fisher, who represented the Royal Society of New Zealand on the Board. Mark has retired and his successor is Dr Pat Cragg from the University of Otago in Dunedin.

After holding the position of ANZCCART Director for 10 years, Dr Robert Baker announced that he would leave the organisation early in 2002. I am certain I speak for all members of the Board and Council, in expressing my sincere thanks to Dr Baker for his service to ANZCCART, and wishing him well in his new position as Chief Executive Officer of the South Australian Farmers' Federation.

I welcome Dr Rory Hope who joins us as Director of ANZCCART for a 6-month term during which we hope to determine the future directions for the Organisation.

I once again thank all members of the Board and Council and also the staff of ANZCCART, both in Australia and New Zealand, for their contributions to a worthwhile year.

Mike Rickard
Chairman

MEMBERS OF BOARD, COUNCIL AND STAFF, ANZCCART AUSTRALIA

ANZCCART Board 2001

Chairman (Elected by Board)

Roger Holmes BSc (Hons), PhD, DSc. AV-CC

Members

Elizabeth Grant AM, PhC MPS. NHMRC

Roger Holmes BSc (Hons), PhD, DSc AV-CC

David Adams BSc (Hons), PhD ARC

Pat Cragg BSc, PhD Royal Society of New Zealand

Michael Rickard BVSc (Hons), PhD, DVSc, FTSE CSIRO

ANZCCART Staff

Director

Robert Baker BVSc, MSc, MAgSc, Dip Bus Admin

Administrative Assistant (part-time)

Ros Judson

ANZCCART Council 2001

Chairman

Roger Holmes BSc (Hons), PhD, DSc.....AV-CC

Members

David Adams BSc (Hons), PhD.....ARC

Andrew Brennan BA, PhD.....Lay Member

Elizabeth Grant AM, PhC, MPSNHMRC

Peter Coggins.....Australian Department of
Agriculture, Food and Forestry

Ian Cowie BA (Hons), MSc.....WA Department of Local
Government

Kevin Doyle BVSc, MACVSc, Grad.Cert.Man., MASMAVA

Adrian Egan BSc Agr (Hons), PhD, FTSEAATSE

Peter Holdsworth BSc (Hons), PhDAVCARE

Roger Holmes BSc (Hons), PhD, DScAV-CC

Deborah Kelly BSc (Vet. Biol.), BVMSSA Department of Environment
and Heritage

Eugenie Lumbers MD, BS, DSc.....CABSAE

Susan Maastricht BVSc, MACVSc.....ANZSLAS

Michael Manuel BVScTasmanian Department of
Primary Industry

Steven Thompson MA, PhD (from July, 2000).....Royal Society of New Zealand

Steve Tate BVSc.....Victorian Department of Natural
Resources and Environment

Michael Rickard BVSc (Hons), PhD, DVSc, FTSE.....CSIRO

Margaret Rose BVSc, PhD.....NSW Agriculture

Jonathan Stone MB, BS, PhD, FAA.....Australian Academy of Science

John Strachan LLBAnimal Welfare Member

Rick Symons BVSc, MBA, PhD.....Queensland Department of
Primary Industries

Ray Yates.....AATA

MEMBERS OF BOARD AND STAFF, ANZCCART NEW ZEALAND

Chairman

John Martin MA (Hons)Appointed by The Royal Society
of New Zealand

Members

Pat Cragg BSc, PhDUniversity of Otago
Peg Loague JP (until September 2001)RNZSPCA
(Associate member nominee)
Ken McNatty BSc, MSc (Hons), PhD, DSc, FRSNZAgResearch Wallaceville
Mark Fisher MSc, PhD (until July 2001)AgResearch Poukawa
John Schofield BVSc, MRCVS, DipACLAMUniversity of Otago
(Associate member nominee)
Martin Kennedy BSc (Hons), PhDChristchurch School of Medicine
University of Otago
Kevin Stafford MVB, PhD, MSc, MRCVS, MACVScMassey University
(NZVCC nominee)
Graeme Hood BAgSc, Dip.TchgChristchurch College of Education

Associate member nominee

Kevin Stafford MVB, PhD, MSc, MRCVS, MACVScMassey University
(NZVCC nominee)

Executive Officer (part-time)

Gill Sutherland MSc (Hons)

Full members of ANZCCART New Zealand

New Zealand Vice-Chancellors' Committee
New Zealand Pastoral Agriculture Research Institute Ltd (AgResearch)
Manaaki Whenua - Landcare Research Ltd
Royal Society of New Zealand

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 Standing 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'S REPORT FOR 2001

Board's Report for 2001

This report records the activities and achievements by ANZCCART in Australia and New Zealand during the calendar year 2001.

The Board

Membership of the Board of ANZCCART is shown on p.(ii). Professor Roger Holmes continued as Chairman with Professor Mike Rickard as Deputy Chairman. Professor David Adams joined the Board as the ARC representative. He is the Head of the School of Physiology and Pharmacology at the University of Queensland. Dr Pat Cragg, a Senior Lecturer in Physiology at the University of Otago, Dunedin, succeeded Dr Mark Fisher as the Royal Society of New Zealand's representative on the Board.

The Council

Apart from the above changes, there was only one other change to membership of the Council during the year. Dr Peter Penson retired as Director of the Bureau of Animal Welfare in Victoria and his successor, Dr Steve Tate, has replaced him as the representative of the Victorian Department of Natural Resources and Environment on the Council.

Council includes representation from 19 member organisations as well as two lay members. These are Professor Andrew Brennan (a philosopher) and Mr John Strachan (a solicitor), who have substantial expertise in animal welfare.

ANZCCART's new office

Because of the relocation of the Department of Animal Science, ANZCCART's host Department at the University of Adelaide, from the Waite Campus to the Roseworthy Campus in late 2000, it was necessary for ANZCCART to move. From 1 February 2001 it has been housed in the Department of Environmental Biology on the main campus of the University of Adelaide, an arrangement which has worked very well. The Head of Department, Professor Russell Baudinette, is a physiologist and contributed a leading article to *ANZCCART News* during the year.

ANZCCART has also renegotiated its contract with the University of Adelaide for another five year period from 1 January 2001.

Board meetings

The Board met in person twice, as well as twice by teleconference.

In person meetings:

28 August, 2001 (Sydney)

Members: Professor R. Holmes (Chairman), Professor M. Rickard, Mrs E. Grant, Professor D. Adams (by telephone), Mr J. Martin (Chairman, ANZCCART New Zealand), Dr R. Baker (Director, ANZCCART), Mrs G. Sutherland (Executive Officer, ANZCCART, New Zealand).

15 November, 2001 (Sydney)

Members: Professor R. Holmes (Chairman), Professor D. Adams, Mrs E. Grant, Dr P. Cragg, Professor M. Rickard, Dr R. Baker (Director, ANZCCART).

Meetings by teleconference

12 September, 2001

Members: Professor R. Holmes (Chairman), Professor D. Adams, Professor M. Rickard, Mrs E. Grant, Dr P. Cragg, Mr J. Martin (Chairman, ANZCCART New Zealand), Dr. R. Baker (Director, ANZCCART), Mrs G. Sutherland (Executive Officer, ANZCCART New Zealand).

19 December, 2001

Members: Professor R. Holmes (Chairman), Professor D. Adams, Dr P. Cragg, Mrs E. Grant, Professor M. Rickard, Dr R. Baker (Director, ANZCCART).

2001 Annual General Meeting

This was held at the Melbourne Convention Centre on 14 May and was attended by nine members, as well as the Director, Executive Officer, ANZCCART New Zealand and the NHMRC Animal Welfare Liaison Officer. The Chairman discussed the activities during 2000, as described in the 2000 Annual Report and outlined the Business Plan for 2001. Reports from member organisations were received. The Annual Report and audited financial statements for the year 2000 were accepted.

Special General Meeting

A Special General meeting of ANZCCART's Council was held in Sydney on 15 November to consider the implications of the withdrawal of core funding by the NHMRC and the reduction in funding from the Royal Society of New Zealand.

The meeting, which was chaired by Professor Holmes, was attended by representatives from 11 member organisations and the Director.

Strong support for ANZCCART was provided by all who attended, in addition to written expressions of support from other representatives.

After a number of options for ANZCCART's future operation were considered, it was agreed for ANZCCART to continue throughout 2002, with the need to reduce expenditure.

The ANZCCART Board therefore decided that the four issues of *ANZCCART News* for 2002 will only be published electronically, via ANZCCART's website and through its email list. While this should not greatly inconvenience those with ready access to a computer, some readers will unfortunately not have access to it.

For this reason, Chairpersons and Secretaries of Animal Ethics Committees are requested to print hard copies of each issue and distribute these to AEC members.

The ANZCCART Chairman will write to all universities and major scientific institutions explaining this decision and seeking their cooperation in printing copies for their staff and for AEC members.

This decision will be reviewed at the end of 2002, when ANZCCART's longer-term funding position is known.

New Chairman of ANZCCART Australia

Professor Mike Rickard, the CSIRO's representative on the Board of ANZCCART since 1995, has been appointed Chairman of the Board of ANZCCART Australia, from 7 January 2001. He will succeed Professor Roger Holmes, Vice-Chancellor of the University of Newcastle, who is the AV-CC representative on the Board. Professor Holmes will continue to represent the AV-CC on the Board.

Professor Rickard, who has previously chaired ANZCCART, has recently retired as Director of the Australian Animal Health Laboratory at Geelong, Victoria and will continue half-time with CSIRO next year as its Animal Welfare Officer. He also chairs the Animal Welfare Committee of the Primary Industries Sub-Committee (PISC) and represents CSIRO on NCCAW, the National Consultative Committee on Animal Welfare.

Resignation of ANZCCART's Director

The Director of ANZCCART, Dr Robert Baker announced in late November, 2001 that he will leave his position in February, 2002 and will join the South Australian Farmers Federation as its Chief Executive Officer. Dr Baker joined ACCART (as it was then known) in February, 1992 when the office moved from CSIRO in Canberra to the Waite Campus of the University of Adelaide.

Publications

ANZCCART News

Four issues were published, one of which included a facts sheet.

The March issue featured a very thoughtful and interesting paper by Professor David Fraser from the University of British Columbia on *The culture and agriculture of animal production* and the origin of human-animal interaction. Professor Fraser spoke on this topic at ANZCCART's 2000 conference in Adelaide.

This issue also included articles on the importance of the sex of laboratory animals in determining drug effects and a review from the New Zealand Health Research Council of issues relating to the use of animals in health research.

The June issue featured another key paper from ANZCCART's 2000 conference, by Professor Caroline McMillen of the University of Adelaide, on *The sheep – an ideal model for biomedical research?* Professor McMillen is a former member of the Board of ANZCCART and has worked with sheep in her research for many years. Also in this issue was a paper on the use of alternatives to animal experiments in China, which included a request for animal scientists from other countries to cooperate with scientists in China to promote research on the Three Rs in China.

The September issue published a review by Professor Russell Baudinette, Head of ANZCCART's host Department of Environmental Biology, on *Marsupials as models for biomedical research*. It also included a detailed discussion of the current status of poultry welfare by Professor Donald Broom from the University of Cambridge and a summary of the findings of the New Zealand Royal Commission on Genetic Modification.

The final issue for 2001 featured a paper given by Ms Jane Burns at ANZCCART's workshop in Sydney in November 2001 on the welfare of transgenic animals. Her paper considered this from the perspective of an AEC lay (category D) member and makes interesting reading.

This issue also featured a paper by Professor John Cooper and Mrs Margaret Cooper, on the legal and ethical aspects of working with wildlife, with particular reference to Africa. Professor and Mrs Cooper visited Australia and New Zealand in May 2001 and gave a number of seminars (see later in this Report).

A facts sheet on *Managing fallow deer (Dama dama) and red deer (Cervus elaphus) for animal house research*, by Dr Philip Glatz and colleagues from the South Australian Research and Development Institute at Roseworthy and Associate Professor Tony English from the University of Sydney, was included in this issue. This is the twenty-fourth facts sheet produced since 1993 and offprint copies were again circulated widely, principally to Colleges of Technical and Further Education.

While *ANZCCART News* will continue to be produced quarterly in 2002, it will only be available electronically, via an email distribution list and on ANZCCART's website.

Farm animals in research — can we meet the demands of ethics, welfare, science and industry?

This 128 page monograph contains the Proceedings of the very successful conference held at the University of Adelaide from Thursday, 30 November to Friday, 1 December 2000. The proceedings were edited by Dr Robert Baker, Dr Mark Fisher and Professor Paul Hemsworth and contain six sections and 21 contributed papers.

This conference addressed basic and applied research using farm animals and considered how this is driven by science and industry and what are the ethical and welfare issues associated with such research. Farm animals are used widely for agricultural and veterinary research, as well as being used as models for basic biomedical research.

Issues covered by the speakers included:

- * farm animals as experimental models for research;
- * environmental enrichment of farm animals;
- * xenotransplantation;
- * cloning and transgenic animal production;
- * aquaculture;
- * cattle feedlot research;
- * crocodile farming;
- * views from a philosopher; and
- * a scientist and an animal rights representative.

Euthanasia of animals used for scientific purposes

This 1993 publication has been substantially revised and the second edition, again edited by Dr Julie Reilly of the University of Queensland, was published in 2001.

Review copies of this and the 2000 Conference Proceedings have been provided to appropriate journals and scientific societies.

2000 Annual Report

This was published and sent to all members of Council, as well as to State, Territory and National Government Departments, to the media and to affiliated organisations in Australia, New Zealand and other countries.

Conferences

ANZCCART's 2001 Conference – Hamilton, New Zealand

Learning, animals and the environment: changing the face of the future.

See the report on p.7 from the Board of ANZCCART New Zealand.

Workshops

ANZCCART hosted workshops on three topics during the year in Australia (see p. 6 for report on New Zealand workshops).

Monitoring and quality assurance of AECs

This was held at the Waite Campus of the University of Adelaide on 18 April and was organised by the Animal Welfare Office of the SA Department of Environment and Heritage and was co-sponsored by ANZCCART.

About 50 persons attended, mainly from Adelaide. The program included presentations from the five categories represented on an AEC, with Mrs Elizabeth Grant speaking on NHMRC expectations. Dr Baker spoke in his capacity as a category A member of an AEC (a veterinarian).

Working with wildlife: perspectives of a veterinarian and a lawyer

Seminars were given in May by Professor John Cooper (a veterinary pathologist) and Mrs Margaret Cooper (a lawyer interested in animal welfare), at Taronga Zoo in Sydney in conjunction with the Australasian Association of Veterinary Conservation Biologists, and at the Caulfield Campus of Monash University in Melbourne.

Professor and Mrs Cooper subsequently published an article on this subject in the December 2001 issue of *ANZCCART News*.

The welfare of transgenic animals

This workshop was held in late November in Sydney at the University of New South Wales and in Melbourne at the Parkville Campus of Monash University. Attendance was good and each workshop was addressed by speakers representing a range of issues and opinions. These included scientists, lay persons and representatives from government, the NHMRC and from Animals Australia.

Notes from the meeting will be sent to all registrants and will be placed on ANZCCART's website.

ANZCCART's participation in other societies' conference

Australian Veterinary Association

ANZCCART together with AVERT (Australian Veterinarians in Ethics, Research and Teaching) co-sponsored a three day program as part of the 2001 AVA Conference in Melbourne last May.

The program aimed at assisting delegates to develop processes for assessing whether pain is present in animals and in evaluating the effectiveness of the pain control methods employed. Speakers from Canada, New Zealand and Australia reviewed the latest therapeutic mechanisms available for the prevention and amelioration of pain in a variety of species including dogs, cats, rodents, rabbits, ruminants, birds and wildlife.

The sessions were well-attended and the standard of the presentations was very good.

Australian Society for Microbiology

ANZCCART sponsored a session of the 2001 ASM conference in Perth last October, whose theme was Animal welfare issues in microbiology. There were three speakers in the session – Professor Mary Barton (University of South Australia), Dr David Pass (Animal Resources Centre, Perth) and Professor Michael Rickard (CSIRO, Geelong).

ANZCCART's website

In addition to regular additions to the website – www.adelaide.edu.au/ANZCCART/ of each issue of *ANZCCART News* and updates on ANZCCART's activities, two major additions were made to the website during the year.

Animals in Science

This is a version modified for Australian readers of the notes prepared by Professor David Mellor for the Board of ANZCCART New Zealand. The notes are written for primary and secondary school students and address a range of issues and commonly asked questions about how and why animals are used for research, teaching and testing.

Information about Replacement, Refinement and Reduction — the Three Rs

Since the introduction in of these principles they have become widely accepted internationally as the criteria for assessing the humaneness of animal use in research, teaching and testing. The Three Rs were defined by Russell and Burch (1959) in their classic publication *The Principles of Humane Experimental Technique* as follows:

Replacement means the substitution for conscious living higher animals of insentient material. Reduction means reduction in the numbers of animals used to obtain information of given amount and precision. Refinement means any decrease in the incidence or severity of inhumane procedures applied to those animals which still have to be used.

In their book Russell and Burch stated that *The greatest scientific achievements have always been the most humane and the most aesthetically attractive, conveying that sense of beauty and elegance which is the essence of science at its most successful.* They further defined reduction alternatives as methods for obtaining comparable levels of information from the use of fewer animals in scientific procedures, or for obtaining more information from the same number of animals; Refinement alternatives as methods which alleviate or minimize potential pain, suffering and distress, and which enhance animal well-being; and Replacement alternatives as methods which permit a given purposes to be achieved without conducting experiments or other scientific procedures on animals.

However, access to useful and practical information on how to apply these principles is not always readily available. Much information has been published, particularly in the Proceedings of the three international conferences held since 1993 on *Alternatives and Animal Use in the Life Sciences*. ANZCCART staff and members of Council have contributed papers to each of these and copies of the Proceedings are held in ANZCCART's library.

The notes on ANZCCART's website include a listing of 16 international databases on the Three Rs, as well as four general scientific databases and five key references.

New Zealand Board Report for 2001

During 2001, ANZCCART (NZ) engaged in a range of activities, the more significant of which are listed below.

Joint ANZCCART (NZ)/NAEAC Conference 2001

The first part of the year involved planning the 2001 joint ANZCCART/NAEAC Conference entitled *Learning, animals and the environment: changing the face of the future* held in Hamilton on 28 and 29 June. Exploring the relationship between humans, animals, and the environment was the theme of this very successful conference organised jointly with the National Animal Ethics Advisory Committee (NAEAC).

Speakers at the conference included:

- * Professor Bruce Baguley FRSNZ from the Auckland Cancer Research Institute who talked about alternatives to the use of animals in experimentation in the future;
- * Professor John Marbrook FRSNZ who talked about the Animal Welfare Act 1999 and its impact and issues;
- * The Hon Pete Hodgson, Minister for Research, Science and Technology, who talked about the next Animal Welfare Act;
- * Dr Mark Matfield, RDS, United Kingdom (by videoconference) who spoke about moving forward with the media; and
- * Dr Judy McArthur-Clark, Biozone, United Kingdom who talked about dealing with the emerged technologies.

ANZCCART and NAEAC both seek to promote effective communication and co-operation between all those concerned with the care and use of animals, and conference speakers were specially chosen to give a wide range of perspectives. The programme provided national, Australian, and international perspectives.

During the two days of the conference a group of animal activists, who are opposed to the use of animals in research and teaching, staged noisy protests outside the conference venue from time to time. Thankfully no damage was reported to the building or to any individuals because of around-the-clock security and surveillance provided by very professional staff from the Waikato District Headquarters of the New Zealand Police.

Conference proceedings have been published.

Development of Code of Practice for research scientists using prescription animal remedies

In New Zealand Prescription Animal Remedies can be legally used by veterinarians, under the direct supervision of a veterinarian, or when indirectly supervised by a veterinarian. However, some research scientists have been accessing drugs from wholesalers and using them on animals without veterinary supervision. This had been of concern to the Ministry of Agriculture and Forestry and for the last nine years there have been attempts to regularise this.

A draft code was drawn up by researchers at AgResearch Wallaceville with help from the Agricultural Compounds and Veterinary Medicines (ACVM) Group at the Ministry of Agriculture and Forestry. The draft was circulated via ANZCCART under the auspices of the Royal Society (which has taken ownership of the Code as the umbrella group representing scientists in New Zealand, and of which ANZCCART is a Standing Committee) to a limited number of organisations before it was submitted to the ACVM Group at MAF to see if it filled the regulatory requirements.

The ACVM group considered the draft suitable for enactment when the ACVM Act was passed in July 2001. However, the ANZCCART Board felt that the draft should be circulated more widely among the scientific community, to see if there are any minor changes required and feedback from this consultation is presently being assessed with the hope that the draft can be finalised soon.

ANZCCART Synthesium

ANZCCART (NZ) sponsored a two-hour synthesium entitled *Pain prevention—selection of anaesthetics and analgesia in animal models of differing neural complexity* on Thursday, 30 August 2001, as part of the XXXIVth International Congress of Physiological Sciences (IUPS) Congress held in Christchurch for 26 to 31 August 2001. Seventy delegates attended the synthesium. Professor Paul Flecknell from the University of Newcastle-upon-Tyne, United Kingdom was moderator of the synthesium and gave a presentation on perinatal animals. Dr Klaus Otto from Hanover, Germany spoke about the assessment of anaesthetic depth in adult animals and Professor Marilyn Renfree from the University of Melbourne spoke on hypothermic anaesthesia of early postnatal marsupial pouch young. The format of the synthesium permitted many questions from the audience. As the information contained in these presentations is of considerable value to practising scientists and to members of animal ethics committees, papers based on these presentations have been published by ANZCCART New Zealand and distributed within the Proceedings of the June 2001 ANZCCART/NAEAC Hamilton Conference.

ANZCCART-sponsored Forum on Issues related to scientific use of animals

The synthesium was followed later in the day by a two hour forum chaired by Paul Flecknell and David Mellor (Professor of Animal Welfare Science at Massey University, former member of NAEAC and the ANZCCART New Zealand Board, and now Chair of the National Animal Welfare Advisory Committee). The forum was attended by about 25 delegates and was run as a highly interactive discussion group with the ideas raised instantly displayed in PowerPoint. The contents of the forum are also published by ANZCCART in the above mentioned Proceedings.

Board member Dr Pat Cragg was on the Local organising Committee for IUPS and liaised regularly with the international conference organisers on ANZCCART's behalf.

Workshops

While in New Zealand for the IUPS Congress, Professor Flecknell also visited the University of Otago pre-congress and AgResearch Ruakura in Hamilton post-congress and ran excellent workshops on the theme *Recent developments in anaesthesia and analgesia in laboratory animals*. The attendance at each workshop was excellent.

Roadshow visits by Board members

Gill Sutherland and Martin Kennedy made successful visits to Lincoln University, Landcare Research, University of Canterbury, and the Christchurch School of Medicine in late August, and John Martin and Gill Sutherland met with the Vice-Chancellor, Chair of the Animal Ethics Committee, and two members of the Science Faculty at Victoria University of Wellington in September.

Such visits enable the ANZCCART Board to keep in contact with sponsors and obtain direct feedback on what sponsors want from ANZCCART

DIRECTOR'S ACTIVITIES

University teaching

The Director gave occasional lectures and seminars on animal use in science to students in Environmental Biology, Physiology, Immunology and Pharmacy at the University of Adelaide and the University of South Australia.

His appointment as an Affiliate Senior Lecturer in the Department of Animal Science in the University of Adelaide was renewed and extended to include the Department of Environmental Biology, ANZCCART's new host Department.

Membership of Animal Ethics Committees

The Director is a member of three AECs in Adelaide. These are:

- * University of Adelaide (Agricultural and Natural Resource Sciences Sub-Committee).
He also attends meetings of the full University of Adelaide AEC as an observer;
- * Flinders University; and
- * Institute of Medical and Veterinary Science and Royal Adelaide Hospital.

Attendance at these meetings is very useful and provides the opportunity for close contact with issues currently before AECs. He participated in the annual AEC training days held for students and staff by the University of Adelaide and by Flinders University.

Meetings of Chairpersons of South Australian AECs

Dr Baker attended a very useful meeting of the group in April, which discussed a number of issues including AEC monitoring.

SA Animal Welfare Advisory Committee

The Director continued as Deputy Chairman and as the AVA representative on this Committee, which reports to the SA Minister for Environment and Heritage. It considered a wide range of issues during the year, including animal experimentation. The Executive Officer of the Committee is Dr Deborah Kelly, the Department's representative on ANZCCART's Council.

Australian Veterinary Association

The Director attended the AVA Annual Conference in Melbourne in May, where he was confirmed as AVA National President for 2001/2002. The plenary speaker at the conference was Professor Peter Doherty, Nobel Prize Winner in Physiology or Medicine, an immunologist who is returning to Australia in 2002.

Dr Baker is also Chairman of the AVA's Animal Welfare Advisory Committee and a member of its Animal Welfare Trust.

Other Activities

Dr Baker continued as editorial adviser to the journal *Animal Welfare*, published by UFAW in the UK. He had a book review published in the journal.

Baker, R.M. (2001) Review of: *Responsible conduct with animals in research* (ed. L. Hart, 1998). *Animal Welfare* **10**: 95-96.

Visit to University of Ballarat

At the invitation of the University's AEC, the Director visited Ballarat on 19 March and met members of the AEC and senior staff and then gave a seminar on ANZCCART and issues associated with animal use in science to staff and students.

Meeting with Professor Donald Broom

The Director attended a meeting at the Victorian Institute of Animal Science in Melbourne on 12 February relating to poultry welfare. He renewed his acquaintance with Professor Donald Broom, who holds the Chair in Animal Welfare at the University of Cambridge.

Professor Broom's article on poultry welfare was subsequently published in the December, 2001 issue of *ANZCCART News*.

Code Liaison Group

The Director represented the AV-CC at a meeting of the Code Liaison Group in Melbourne, to discuss revision of the sixth edition of the *Australian Code of Practice for the Care and Use of Animals for Scientific Purposes*.

Australian College of Veterinary Scientists, Gold Coast, July

The Director acted as Chief Examiner for seven candidates undertaking membership examinations for the new Chapter in Animal Welfare. Dr David Bayvel, Director of Animal Welfare for MAF in New Zealand acted as co-examiner.

ANZCCART New Zealand Conference

The Director attended this very successful conference, held in Hamilton in June (see p.7 for a full report on this conference). While in Hamilton he visited the Ruakura Agricultural Research Centre (together with Professor Rickard) and met with senior staff.

He also attended a meeting of the New Zealand National Animal Ethics Advisory Committee (NAEAC) in Hamilton.

Liaison with ANZCCART's Members and the Scientific and General Community

This is an ongoing activity. Information and advice is regularly provided by telephone, fax, email, post and in person at meetings and conferences.

ANZCCART is an umbrella organisation which achieves its objectives through its member organisations via a wide network of persons in Australia and New Zealand, as well as in other countries.

FINANCIAL STATEMENTS AND AUDITOR'S REPORT

DIRECTORS' REPORT

Directors

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

Michael Rickard	BVSc, PhD, DVSc, FTS (CSIRO)	(director since 1995)
David Adams	BSc(Hons), PhD	(appointed 2001)
Roger Holmes, Chairman	BSc(Hons), PhD, DSc	(director since 1996)
Eugenie Lumbers	MD, BS, DSc	(resigned 2001)
Elizabeth Grant	AM, PhC, MPS	(director since 2000)
Mark Fisher	MSc, PhD	(resigned 2001)
Pat Cragg	BSc, Ph	(appointed 2001)

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.

Result

The operating loss for the year ended 31 December 2001 was \$5,265 (2000: Profit \$8,038)

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

The decision by two major sponsors to reduce funding in 2002, and the uncertainty of on-going funding from these same major sponsors, are of concern to the Board and may affect the nature of ANZCCART's operations for the calendar year 2002.

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 2001.

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
at

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

STATEMENT OF FINANCIAL PERFORMANCE

FOR THE YEAR ENDED 31 DECEMBER 2001

		2001	2000
	NOTE	\$	\$
Revenue from ordinary activities	2	195,611	228,912
Expenses from ordinary activities	3	200,876	220,874
Profit/(loss) from ordinary activities before related income tax expense		(5,265)	8,038
Income tax attributable to ordinary activities	1(c)	-	-
Net Profit/(loss)	8	<u>(5,265)</u>	<u>8,038</u>
Total changes in equity from non-owner related transactions	8	<u>(5,265)</u>	<u>8,038</u>

The statement of financial position is to be read in conjunction with the notes to and forming part of the accounts

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

STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 2001

		2001	2000
	NOTE	\$	\$
Current Assets			
Cash	9	66,504	74,125
Receivables	5	10,312	-
Total Current Assets		<u>76,816</u>	<u>74,125</u>
Non-current assets			
Total Assets		<u>76,816</u>	<u>74,125</u>
Current Liabilities			
Accounts Payable	6	5,606	1,950
Provisions	7	9,914	8,803
Total Current Liabilities		<u>15,520</u>	<u>10,753</u>
Non-Current Liabilities			
Provisions	7	20,689	17,500
Total Current Liabilities		<u>20,689</u>	<u>17,500</u>
Total Liabilities		<u>36,209</u>	<u>28,253</u>
NET ASSETS		<u>40,607</u>	<u>45,872</u>
Equity			
Retained profit	8	40,607	45,872
TOTAL EQUITY		<u>40,607</u>	<u>45,872</u>

The statement of financial position is to be read in conjunction with
the notes to and forming part of the accounts

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

STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED 31 DECEMBER 2001

		2001	2000
	NOTE	\$	\$
Cash flows from operating activities			
Cash receipts in the course of operations		189,119	228,912
Payments to employees and supplier		(196,740)	(208,171)
		<u> </u>	<u> </u>
Net cash provided by / (used in) operating activities	10	<u>(7,621)</u>	<u>20,741</u>
Cash flows from investing activities			
		<u> </u>	<u> </u>
Net cash provided by investing activities		<u>—</u>	<u>—</u>
Cash flows from financing activities			
		<u> </u>	<u> </u>
Net cash provided by financing activities		<u>—</u>	<u>—</u>
		<u> </u>	<u> </u>
Net increase (decrease) in cash held		(7,621)	20,741
Cash at the beginning of the financial year		74,125	53,384
		<u> </u>	<u> </u>
Cash at the end of the financial	9	<u>66,504</u>	<u>74,125</u>

The statement of cash flows is to be read in conjunction with the notes to and forming part of the accounts

NOTES TO AND FORMING PART OF THE ACCOUNTS
FOR THE YEAR ENDING 31 DECEMBER 2001

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

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

(a) 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.

(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

Previously, employees' entitlements to annual leave have been expensed as incurred. 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.

NOTES TO AND FORMING PART OF THE ACCOUNTS

FOR THE YEAR ENDING 31 DECEMBER 2001

(g) Reclassification of financial information

Some line items and sub-totals reported in the previous financial year have been reclassified and repositioned in the financial statements as a result of the first time application on 1 July 2001 of the revised standards AASB 1018 *Statement of Financial Performance*, AASB 1034 *Financial Report Presentation and Disclosures* and the new AASB 1040 *Statement of Financial Position*.

Adoption of these standards has resulted in the transfer of the reconciliation of opening to closing retained profits from the face of the statement of financial performance to Note 8.

(h) 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.

(i) 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.

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

NOTES TO AND FORMING PART OF THE ACCOUNTS

FOR THE YEAR ENDING 31 DECEMBER 2001

	2001	2000
	\$	\$
2. REVENUE FROM ORDINARY ACTIVITIES		
<i>Operating Revenue</i>		
Funding	184,116	196,158
Sales of Publications	7,341	5,905
ANZCCART conferences	2,954	21,792
Executive Officer sitting fees	1,200	1,152
Other Income	—	3,905
	<u>195,611</u>	<u>228,912</u>
3. EXPENSE FROM ORDINARY ACTIVITIES		
Salaries, wages and payroll expenses		
- Director	94,945	94,123
- Administrative Assistant	27,636	23,976
- Casual Staff	—	4,043
ANZCCART News	38,426	35,403
Other	39,869	63,329
	<u>200,876</u>	<u>220,874</u>
4. AUDITORS REMUNERATION		
Amounts received or due and receivable by the Auditors of the company for:		
Auditing the financial statements	1,500	1,150
Other services	—	800
	<u>1,500</u>	<u>1,950</u>

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

NOTES TO AND FORMING PART OF THE ACCOUNTS

FOR THE YEAR ENDED 31 DECEMBER 2001

	2001	2000
	\$	\$
5. RECEIVABLES		
Outstanding sponsorships	10,312	—
	<u>10,312</u>	<u>—</u>
6. PAYABLES		
<i>Current</i>		
Trade creditors & accruals	4,669	1,950
GST Payable	937	—
	<u>5,606</u>	<u>1,950</u>
7. PROVISIONS		
<i>Current</i>		
Long Service Leave entitlements	1,500	1,500
Annual Leave entitlements	8,414	7,303
Total current	<u>9,914</u>	<u>8,803</u>
<i>Non-Current</i>		
Long Service Leave entitlements	20,689	17,500
Total Non-current	<u>20,689</u>	<u>17,500</u>
Total	<u>30,603</u>	<u>26,303</u>

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

NOTES TO AND FORMING PART OF THE ACCOUNTS

FOR THE YEAR ENDED 31 DECEMBER 2001

	2001	2000
8. EQUITY	\$	\$
Retained profits at the beginning of the financial period	45,872	37,834
Net Profit/(loss)	(5,265)	8,038
	<hr/>	<hr/>
Retained profits at the end of the financial period	40,607	45,872
	<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:

	2001	2000
	\$	\$
Cash at bank	66,504	74,125
	<hr/>	<hr/>
	66,504	74,125
	<hr/>	<hr/>

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

Profit/(loss) from ordinary activities before	(5,265)	8,038
Increase/(Decrease) in trade creditors & accruals	3,656	900
Increase in employee provisions	4,300	11,803
Increase) in receivables	(10,312)	—
	<hr/>	<hr/>
Net cash provided by/(used in) operating activities	(7,621)	20,741
	<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.

The decision by two major sponsors to reduce funding in 2002, and the uncertainty of on-going funding from these same major sponsors, are of concern to the Board and may affect the nature of ANZCCART's operations for the calendar year 2002.

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

NOTES TO AND FORMING PART OF THE ACCOUNTS

FOR THE YEAR ENDED 31 DECEMBER 2001

12. RELATED PARTIES

Directors

Michael Rickard
David Adams
Roger Holmes, Chairman
Eugenie Lumbers
Elizabeth Grant
Mark Fisher
Pat Cragg

Details of Director's remuneration is set out in note 13.

13. DIRECTORS' REMUNERATION

The number of Directors whose income from ANZCCART or related parties falls within the following bands:

	2001	2000
\$ 0 - \$ 9,999	7	6
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.

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

DIRECTORS' DECLARATION

In the opinion of the directors of ANZCCART Ltd.

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

Signed in accordance with a resolution of the directors;

.....
Director

Dated

at



APPENDIX 1

ANZCCART Publications

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.
- *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.
- *Annual Reports* since 1993.

APPENDIX 2

Workplan 2002

ANZCCART Workshops

- To be held in Sydney jointly with the Animal Research Review Panel of NSW Agriculture, on monitoring of animal well-being, of researchers by AECs and on the effectiveness of monitoring systems in ensuring animal welfare.
- Similar workshops may be held in other cities in conjunction with relevant Government Departments.
- Others to be arranged.

Publications

- Four issues of *ANZCCART News*, including Facts Sheets - to be published electronically.
- Ninth Annual Report

ANZCCART Conference to be held in Australia

- *Animal welfare and Animal Ethics Committees: Where are the goalposts now?*
Thursday 17 - Saturday 19 October, 2002
Gold Coast International Hotel, Queensland
The format will be a mixture of plenary sessions and workshops.

Liaison with ANZCCART member organisations

- Animal Welfare Committee of NHMRC
- Enlarging ANZCCART's network within Australian Universities
- Animal Welfare Committee of PISC
- AVERT
- Biomedical societies
- Others

APPENDIX 3

Ethical Guidelines for Students in Laboratory Classes Involving the Use of Animals or Animal Tissues*

Using animals or their tissues in laboratory classes is a privilege which brings with it responsibilities that go well beyond the need to avoid cruelty to the animals.

Outlined below is some advice which will help you meet these responsibilities and will help you to derive maximum benefit from using animals in laboratory classes. Following this advice will show that you are aware of and accept the responsibilities which accompany the use of animals or their tissues for learning.

Think about the use of animals or their tissues

Talk about this with other students and staff. Everybody should develop their own opinions about this topic and be prepared to air them, justify them, and modify them. Also, you should feel free to make suggestions which might improve future laboratory classes.

Make sure that good use is made of the learning opportunity

Be well prepared.

This involves reading background material from lecture notes and references before coming to class, reading the laboratory manual before the class, and being generally prepared to maximise the learning experience.

Think actively during the class.

You should know what underlying principles are being taught in the class and understand the details which illustrate those principles. This is best achieved by active involvement rather than by merely waiting to be taught.

Participation in the class should be active also.

You should use every opportunity, within the approved scope of the class, to develop manual, observational and recording skills.

Think beyond the immediate scope of the class.

Seeking to link the new knowledge and understanding gained in each class with other parts of the course is a learning device which will help you consolidate your knowledge.

Treat animals and their tissues with respect at all times and take particular care to treat live animals humanely.

This also means that each person should feel free to seek advice on how to correct a situation when another person does not appear to be meeting this requirement.

*These guidelines were written by Professor David Mellor of the Faculty of Veterinary Science, Massey University, New Zealand with significant input from members of major animal science, physiology and zoology departments in universities and polytechnics. ANZCCART recommends the display of these guidelines in student laboratories and their inclusion in laboratory manuals.

APPENDIX 4

List of Acronyms Commonly Encountered

AAHC	Australian Animal Health Council
AATA	Australian Animal Technicians' Association
AATSE	Australian Academy of Technological Sciences and Engineering
ACUC	Animal Care and Use Committee
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)
AMRIC	Animals in Medicines Research: Information Centre
ANZCCART	Australian and New Zealand Council for the Care of Animals in Research and Teaching
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
AVASE	Australian Veterinarians Associated with Scientific Establishments
AVCARE	Agricultural and Veterinary Chemicals Association
AV-CC	Australian Vice-Chancellors' Committee
AVERT	Australian Veterinarians in Ethics, Research and Teaching
AWAC	Animal Welfare Advisory Committee
AWC	Animal Welfare Committee
BVA	British Veterinary Association
CAAT	Center for Alternatives to Animal Testing (USA)
CABSAE	Committee of Biomedical Societies in Animal Experimentation
CCAC	Canadian Council on Animal Care
CSIRO	Commonwealth Scientific and Industrial Research Organisation
ECVAM	European Centre for Validation of Alternative Methods
FRAME	Fund for the Replacement of Animals in Medical Experimentation
IACUC	Institutional Animal Care and Use Committee
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
PISC	Primary Industries Sub-Committee
RDS	Research Defence Society (UK)
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
SCAW	Scientists' Center for Animal Welfare (USA)
SSCAW	Senate Select Committee on Animal Welfare
UFAW	Universities Federation for Animal Welfare

