



The Cambridge Australia Trust

The Australian Committee of the Cambridge Commonwealth Trust

Patron: Emeritus Professor Peter Karmel AC CBE FASSA

Chairman: Dr Simon Longstaff

Website: http://www.anu.edu.au/graduate/scholarships/displayScholarship.php?key_id=97

Annual Report for 2003



For the Record

*From the Chairman,
Dr Simon Longstaff*

The past year has been a period of consolidation and reflection. Responding to the initiative of a number of State Committees, led by New South Wales and Victoria, the National Executive convened a special 'half-year' meeting with State Chairs in Canberra during April. The purpose of this meeting was to open discussion about all aspects of the Trust's activities in Australia. As such, no issue was 'off limits'. The issues to be canvassed had been outlined in a brief paper written by NSW committee member, Julie Perigo. They included questions to do with the:

- o history of the Trust's formation in Australia
- o purpose and structure of the Trust
- o types of awards for which funding is or should be made available
- o composition and role of the selection committee
- o timing of awards
- o extent of available funds and the processes for their management
- o relationship with the Australian National University
- o significance of UK government funded Overseas Research Studentships (ORS)

While the discussion was wide-ranging, I think that the most significant debate surrounded the question of whether or not the Trust should seek to offer awards for one or two year degrees – such as the M.Phil and LL.M. A number of people feel that the ability of the Trust to raise additional funds is constrained by the fact that we only offer to support those seeking to pursue a higher research degree. It was argued that potential donors (especially corporations and professional firms) would be more likely to fund short-courses. In discussing the options, it was important for people to understand that current policy has been driven by financial considerations. Only Ph.D candidates are eligible to be awarded an ORS – which effectively reduces the fees paid by overseas students to a level paid by those in the UK and Europe. Put simply, the annual cost of funding a Ph.D candidate with an ORS is less than for a person doing an

M.Phil. As such, the Trust's limited funds can be made to stretch further by concentrating on funding the lower cost option. Despite this, those meeting agreed that it would be in the long-term interest of the Trust to attract further financial support and of equal or greater importance, to extend the range of Australians able to benefit from the 'Cambridge experience'. In the end, a general principle was adopted for recommendation to the AGM. This is that the CAT be open to the possibility of making new types of award – providing that new money be raised specifically for the purpose of funding them. There are many other matters that will need to be discussed and resolved over time. However, I would like to thank all of those who have contributed to the process so far.

In the face of the process outlined above, the day-to-day work of the Trust has gone on with its usual calm and efficiency. I would like to thank those who bear the brunt of this work – Dr Nicolas Peterson and Bev Ricketts (enjoying the support of our Deputy Chair, Professor Iain Wright). Special mention must also be made of the Trust's Treasurer, Professor Allan Barton, whose careful stewardship of the Trust's funds has led to the support of so many Australians in Cambridge. Many people are curious about the exact nature of the CAT 'alumni'. Who are they? What did they do in Cambridge? Where are they now? Professor Peter Treacy serves as the Honorary Registrar of the Trust and in that role, has developed and maintains a register of people who have received awards. Peter is one of the many, at the State and Federal level, who give of their time and talents in order to support the objects of the Trust. It is work of a kind that goes on largely unremarked – work that mixes individual commitment with the funds donated by generous individuals. In this regard, I should also record our thanks to the men and women who serve on the CAT selection committee. The CAT awards are made exclusively on the basis of academic merit and we rely on the experience and judgement of the selection committee to ensure that we maintain the highest standards.

On average, the Trust contributes an annual amount of around \$25,000 to support each Ph.D scholar in residence. We sincerely thank all who have contributed funds to sustain our programs – whether by way of an endowment or through donations used to support the Alumni Scholar.

I believe that the work done during the past year has set a solid foundation for the evolution of the Trust's activities in Australia. I do not expect sudden or radical change but am sure that the rigorous process of review, that is now underway, bodes well for the future.

The Australian Committee 2003

Dr S A Longstaff (Chairman)
Professor I R Wright (Hon. Deputy Chairman)
Dr Nicolas Peterson (Hon. Secretary)
Professor A D Barton (Hon. Treasurer)
Professor P B Treacy (Hon. Registrar)
Sir Alastair Goodlad (British High Commissioner)
Emeritus Professor D A Low (Canberra)
Professor B L N Kennett (Canberra)
Mr D Kater (New South Wales)
Mr M A Pembroke QC (New South Wales)
Dr G Lefroy (Victoria)
Dr G Phillips (Victoria)
The Hon. Justice B H McPherson CBE (Queensland)
The Hon. Justice J S Douglas QC (Queensland)
Mr M Llewellyn-Smith (South Australia)
Mr H Heuzenroeder (South Australia)
Dr R Le Maitre (Tasmania)
Mr A Milne (Tasmania)
Mr C K G Rowe (Western Australia)

Major Scholarship Donors 2003

Frank Downing Scholarship Fund
Sir Gregory Kater Memorial Fund
Orde Poynton
Barbara Fulton Bequest
Cadbury Schweppes
CSIRO
Bragg Scholarship
RA Fisher Scholarship

Scholarship Selection Committee 2003

Dr N K Boardman
Professor T Brown
Professor M Gillies
Professor M Jolly
Professor B L N Kennett
Dr G Russell

Acknowledgement: The Trust is grateful to The Australian Academy of the Humanities for providing administrative facilities to the Trust

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Some 2003 Scholars



Justin Chenevier

My research will examine the rules of public international law governing the use of force by states. There will be a particular emphasis on competing theories in relation to the scope of self-defence. The methodology will address relevant primary and secondary sources, including

foreign and state papers, UN resolutions, case law and legal commentaries. Analytical insights will be drawn from both the critical and neo-realist schools of international relations theory. I will consider whether contemporary developments represent a shift from the principles established by customary international law and the formula enshrined in Article 51 of the UN Charter.

I propose to explore the methods by which self-defence claims are constructed; as well as the performance of international bodies in testing the validity of such claims. As the Nuremberg International Military Tribunal observed: 'whether action taken under the claim of self-defence was in fact aggressive or defensive must ultimately be subject to investigation and adjudication if international law is ever to be enforced'.



Henrik Latter

A great many celestial bodies – including suns, galaxies, nebulae and some planets – are in fact fluids and can be successfully modelled as such. Moreover, the complex interactions between magnetism and fluid motion are thought to play important roles in much of their behaviour. For, example magnetic

fields are implicated in the formation of stars, solar flares, sun spots and accretion discs. My intended area of research is in astrophysical fluid dynamics with a focus on dynamo theory. My supervisor is Professor Michael Proctor. In addition to these phenomena, planets and suns exhibit magnetic fields which persist for much longer than their natural decay time. It is the role of Dynamo theory to explain the maintenance of such fields via the interaction of the object's fluid motions (or of its fluid core) and the existing magnetic field.

It is on the dynamo problem that I shall be primarily employed. My work will be in either the solar or terrestrial context (or perhaps one less concrete) employing as broad a battery of mathematical techniques as I can lay my hands on. My main object is to learn a wide variety of mathematical ways to attack this or any problem. Naturally I expect my work to include a very strong computational element and I look forward to honing my programming skills.



Margaret Young

As a PhD candidate in international law, my research is centred on the often acute legal conflicts faced by the global community in attempting to meet joint goals of trade facilitation and sustainable development. The overexploitation of global fish stocks provides a critical example. Various international and regional legal instruments and management organisations have been developed to respond to the depletion of marine species. Where such instruments involve restrictions on the trade of commercially exploited species or the national imposition of environmental standards outside domestic jurisdictions, however, states may be in breach of conflicting obligations arising from multilateral trade agreements, as demonstrated by several recent cases before the World Trade Organisation (WTO). In considering solutions to this problem, my PhD thesis examines three areas of international law-making: negotiation of treaties, interpretation of legal obligations at the stage of dispute settlement and institutional collaboration between international organisations such as the WTO, the UN Food and Agriculture Organisation and the Secretariat for the Convention on the International Trade in Endangered Species (CITES). My research will draw on theories of participatory democracy and representation in attempting to suggest legal methods to integrate sustainability within trade rules and international fora. These themes have broad implications for the achievement of environmental sustainability within a fragmented international legal order.



Tom Taverner

It is of importance to characterise protein-protein interactions, both on the level of molecular structure and on the scale of interacting networks of proteins within the cell. This information can lead to improved drug design and to a better understanding of biology and disease. This project aims to

(i) build upon a recently described method using chemical cross-linking and mass spectrometry for determining information on molecular interactions between proteins, and (ii) to apply this method to determine interacting molecular surfaces within biologically interesting protein complexes. The method involves linking spatially close amino-acids of interacting proteins together using chemical reagents, followed by enzymatic fragmentation of the cross-linked proteins. The cross-linked protein fragments are then analysed using mass spectrometry techniques in combination with software we have developed for rapidly identifying the mass spectral "fingerprint" of these fragments. Spatial information on interacting portions of proteins may thereby be gained rapidly, even with small quantities and low concentrations of protein complex.

Financial Summary 2003

Income and Expenditure 1 January – 31 December

	2003 \$	2002 \$
Income:		
Donations	846,218	64,430
Dividends – Long Term Invest. Pool	38,181	83,280
Interest on Cash Balance	8,534	(4,978)
Exchange Gains	194	1,630
	<u>893,127</u>	<u>144,362</u>
Expenditure:		
Scholarship payments	347,677	384,021
Travel (including scholars)	1,485	10,009
Printing and publishing	2,532	3,207
Advertising	580	1,604
Sundry expenses	21,262	13,355
Total Expenditure	<u>373,536</u>	<u>412,196</u>
Surplus (Deficit) transferred (from) Accumulated Funds	<u>\$519,591</u>	<u>\$(267,834)</u>

Statement of Assets and Liabilities As at 31 December

	2003 \$	2002 \$
Accumulated Funds		
Balance as at 1 January	1,262,534	1,545,162
Plus Surplus (Less Deficit) for year	519,591	(267,834)
Add Asset Revaluation Reserve	67,098	(14,794)
	<u>\$1,849,223</u>	<u>\$1,262,534</u>
Total Funds represented by:		
Cash on hand	504,421	47,643
Investments at market value	<u>1,344,802</u>	<u>1,214,891</u>
	<u>\$1,849,223</u>	<u>\$1,262,534</u>

Notes:

1. Accumulated Funds include Reserved Investment Funds for:

	2003 \$	2002 \$
Bragg Scholarship Fund	127,419	--
Downing Scholarship Fund	174,003	165,627
Fisher Scholarship Fund	47,782	--
Kater Scholarship Fund	155,106	142,564
Poynton Scholarship Fund	912,584	522,012
Barbara Fulton Scholarship Fund	<u>243,029</u>	<u>241,301</u>
	<u>\$1,659,923</u>	<u>\$1,071,504</u>

2. Income and expenditure are recorded on a cash receipts and payments basis and do not include payments for 2003 scholars paid March 2004 of \$359,064 (Stg£146,400).

3. All investments are held as units in the ANU's Long Term Investment Pool Fund, a diversified fund allocated over fixed interest securities, Australian and overseas equities, and real estate. All investments and units in the Fund are valued at market prices as at 31st December.

Allan Barton
Treasurer

Australian Scholars 2003

Name	Subject	College	University
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Poynton Cambridge Scholarships (4)

Crone, Ms R	Hist Studies	St John's	UQLD
Livesy, Mr E J	Exp Psychol	Emmanuel	USYD
Smith, Mr J B	English	Trinity	USYD
Taverner, Mr T	Chemistry	Wolfson	MELB/ CAMB

CAT Alumni Scholarship (1)

Latter, Mr H N	App Maths	Trinity	USYD
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Jointly-Funded UK Commonwealth (Cambridge) Scholarships to Students from Australia (4)

Irving, Ms SL	Pol Thought	King's	USYD
Morris, Ms BP	LLM Law	Darwin	ANU
Shin, Mr EM	Pure Maths	Trinity	UMELB
Stockwell, Ms A	LLM Law	Gonville & Caius	GRIFF

*Gates Scholars (2)**

Chevenier, Mr J S	Legal Stud	Pembroke	USYD
Young, Ms M A	Law	Kings	UMELB/ CAMB

* CAT collaborates closely with the Gates Foundation.