

ISAAC NEWTON TRUST

ANNUAL REPORT

TO THE COUNCIL OF

TRINITY COLLEGE

COVERING THE PERIOD

14 MARCH 2006 – 13 MARCH 2007

VOLUME XVII

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PATRON

H.R.H. the Prince of Wales

TRUSTEES

Professor Sir Tony Wrigley (*Chairman*)
Professor D T Fearon (*from June 2006*)
Professor E J Hinch (*until September 2006*)
Mrs A Lonsdale
Professor M S Neuberger
Professor S C Ogilvie (*from June 2006*)
Professor A F Richard
Professor Lord Rees
Professor Q R D Skinner
Professor M R E Proctor
Professor N O Weiss (*from November 2006*)

OFFICERS

Dr J M Rallison (*Director*)

Dr J R F Fairbrother (*Treasurer until September 2006*)

Dr C T Morley (*Treasurer from October 2006*)

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INTRODUCTION

This report to the Council covers the period from 14 March 2006 up to, and including, the Trustees' meeting on 13 March 2007. It lists for the period new research grants approved by the Trustees and developments in the main schemes of the Trust. The audited Trust accounts for the year ended 31 January 2007 are given as Appendix 1.

A full account of the Trust's activities in earlier years may be found in Annual Reports volumes I to XVI. A summary of grants made by the Trust over the last 10 years (July 1997 to March 2007) is given in this report as Appendix 2.

The Council of Trinity College appointed Professor Sheilagh Ogilvie FBA and Professor Douglas Fearon FRS as Trustees for three years from 1 June 2006.

In addition, the Council reappointed Professor Nigel Weiss FRS as a Trustee from 22 November 2006 in the expectation that he would take over the Chairmanship of Trustees from Professor Wrigley in the summer of 2007.

Professor Hinch stood down as a Trustee since his subject area had become overrepresented among the Trustees. The Council of Trinity College accepted his resignation with effect from 30th September 2006.

Dr Fairbrother completed his period of service as Treasurer in September 2006. The Trustees express their thanks to both Professor Hinch and Dr Fairbrother for their periods of service to the Trust.

The Trustees appointed Dr C T Morley as Treasurer with effect from 1 October 2006.

The Trust maintains a website (www.newtontrust.cam.ac.uk) that gives up-to-date details of the Trust schemes. Those web pages that are concerned with the Cambridge Bursary Scheme (see page 17) are accessible to prospective applicants for undergraduate places from outside Cambridge. The remaining pages, including guidelines to applicants for grants, are accessible only from @cam addresses.

AIMS AND OBJECTIVES OF THE TRUST

To promote education, learning and research in the University of Cambridge.

FINANCIAL SUMMARY

General Fund

Trinity College has agreed to make donations to the Trust for the next five years of £2 million per annum. In March 2006 the College agreed to increase its payments in 2006-07 and 2007-08 to £2.5m pending a review of the Trust's activities to be carried out in 2007. These donations are credited to the Trust's General Fund. Grants from the General Fund are made to specific research projects and also to recurrent Trust schemes. A summary of the grants made from the General Fund from 1988 up to 13 March 2007 is shown in Table 1 and in graphical form in Figure 1. A breakdown of grants by Department made in the last ten years is shown in the Yellow Table in Appendix 2. A comprehensive list of earlier grants is shown in the Trust's Annual Reports Volumes XIV to XVI.

For some alumni the Trust has been found to be an attractive vehicle for donations as part of the University's 800th Anniversary Campaign. For this purpose the Trustees have established a (notional) 'Opportunities Fund'. Donations from alumni and others to this Fund and for bursaries totalling £153,000 were received in 2006-07.

There was a significant increase in the value of the Trust's investments during 2006-07 largely as a result of improved market conditions.

After a low year in 2005-06, Trust expenditure on research grants returned to the normal level. There was a fall in expenditure on bursaries. This fall occurs largely for technical reasons having to do with the timing of bursary payments and will persist for three or four years until the new bursary scheme reaches its steady state.

The projections of future expenditure in Table 1 are speculative both as to amount and to timing. They include all the grants that the Trustees have approved, though experience suggests that some 20% of these grants will not, in the event, be taken up, either because circumstances change or else because the matching conditions have not been met.

Two projections of future expenditure are shown in Fig.1. Solid lines show the commitment projections of Table 1. Dotted lines show an extrapolation of present expenditure (averaged over the past 5 years including 4% inflation) to make allowance for possible future decisions of Trustees.

Administration Costs

Expenditure on Administration represents less than 3% of the Trust's turnover (including bursaries). A breakdown of Administration costs in 2006-07 is shown below.

Stipend of Director (including pension and National Insurance)	£33,630
Stipend of Treasurer (including pension and National Insurance)	£6,916
Other stipends (including pension and National Insurance)	£42,992
Office expenses	£7,924
Barings management fee for investments	£22,545
Audit fee	£1,762
Miscellaneous expenses	£4,401

GENERAL FUND (£000's)
STATEMENT OF INCOME AND EXPENDITURE AS AT 13 MARCH 2007
Including grants made at the March 2007 meeting

Year ended 31.1	Actual																			Projected (at 4% return)				
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Balance at start of year		5604	7173	7758	8796	10982	8946	10659	11784	12740	13133	14059	15191	13367	10328	11260	11822	14237	15247	14568	14670	15548	16754	
INCOME																								
Trinity College	5000	1000	1000	1000	1000	1000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2500	2500	2000	2000	2000	2000	
Other Donors: for bursaries*	10	0	2	15	21	19	28	41	81	113	44	317	280	327	312	262	177	213	191	213	193	128	107	
Newton Bursaries Endowment Fund (formula transfer)*												161	223	164	139	170	191	226	243	243	243	243	243	
Dividends, interest and IPR	606	873	834	876	663	575	660	712	623	640	626	616	549	490	393	428	402	466	610	583	587	622	670	
Special Donations A, B and C**															95									
Other Donors: Opportunities Fund																	6	73						
TOTAL INCOME***	5616	1873	1836	1891	1684	1594	2688	2753	2704	2753	2670	3094	3052	2981	2939	2860	2776	3478	3543	3038	3022	2993	3020	
EXPENDITURE																								
Trust expenditure on Bursaries*		73	141	175	216	257	310	357	334	396	754	633	859	991	966	1053	1028	835	810	745	875	995	975	
CTO Schemes					47	76	98	125	130	128	80	149	148	148	146	139	117	107	160	160	160	160	160	
Domestic Research Studentships										75	75	75	75	0	75	85	95	110	140	140	140	140	140	
UK Research Students Scheme						9	50	56	46	47	104	117	107	118	125	140	91	51	9	0	0	0	0	
Time-Limited Fellowships Scheme													32	56	68	77	89	73	72	120	120	120	120	
European Research Studentships Scheme (CET)												58	122	162	180	158	162	182	172	100	104	0	0	
Community-related grants scheme												18	23	23	23	22	22	21	25	25	25	25	25	
Other grants (mainly research)	19	276	1077	1224	1530	1385	1368	1358	1700	2356	1492	1144	1556	2148	1885	1758	1171	1623	2597	1431	528	207	31	
Administration	10	12	21	46	46	46	70	57	66	66	70	97	96	94	97	94	110	120	140	140	140	140	140	
TOTAL EXPENDITURE***	29	361	1239	1445	1839	1773	1896	1953	2276	3068	2575	2291	3018	3740	3565	3526	2885	3122	4222	2937	2144	1787	1591	
Gain/Loss on investments	17	57	-12	592	2341	-1857	921	325	528	708	831	329	-1858	-2280	1558	1228	2524	654	0	0	0	0	0	
Balance at end of year	5604	7173	7758	8796	10982	8946	10659	11784	12740	13133	14059	15191	13367	10328	11260	11822	14237	15247	14568	14670	15548	16754	18182	

*For details see Cambridge Bursary Scheme (Bursaries Table)

**Net closing balances in Special Donations A, B and C. Remaining liabilities transferred to expenditure totals.

***Excluding top-up fee contribution to Bursary income/expenditure

Aggregate balance at end of year in Special Funds [†]	1615	4897	6512	6585	7043	6202	4222	4260	4778	5638	7097	7122	7872	8247	8322	8347
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[†] For detail of the Special Funds see the Bursaries Endowment Fund, and, before 2004, Grants A, B and C.

GENERAL FUND AS AT 13 MARCH 2007

Including decisions made at the March meeting



FIGURE 1

RESEARCH AND TEACHING GRANTS APPROVED 2006-2007

POLICY

The policy of the Trust in relation to Research and Teaching Grants is summarised in its Guidelines to Applicants. The key features of those Guidelines during 2006/2007 were as follows:

- *The Trustees realise that the funds at their disposal could soon be wholly absorbed in a few big projects. They believe they can best assist the University by focusing their help selectively on projects of various sizes which otherwise might not get started or be significantly delayed, particularly those where a grant from the Trustees can open up opportunities for additional funds from outside Cambridge. The Trust is able to move quite quickly and so help in enabling opportunities to be seized which otherwise might permanently be lost. In all cases the Trustees need to be satisfied that projects are of a high standard. They aim to assist with the funds at their disposal a wide range of projects from Departments and Faculties in all Schools of the University.*
- *Since one of the purposes of the Trust is to attract resources from outside, grants from the Trust are normally conditional upon raising from sources outside Cambridge at least twice the amount of the grant. The Trustees have agreed to vary or even set aside this condition for projects that they consider of particular importance where the prospects of obtaining such external funding are remote.*
- *When applications are made to Research Councils in a routine way, the Trust will expect applicants to apply to the Councils for the full amount of the funds that they require. If a particular application is not wholly successful, the Trustees may be willing to consider an application for a top-up grant from the Newton Trust for a new initiative or project they regard as particularly important; and may allow the partial grant from the Research Council to be regarded as matching funds; but they do not guarantee to do so.*
- *The Trustees are persuaded that their most effective contribution is to help attract talented persons to Cambridge and to maintain the University's reputation as a centre of excellence in research. Thus the aim of the Additional Appointments Scheme (by which grants are made of up to £17,500 per annum for no more than 3 years, subject to matching amounts being raised from outside sources) is to provide limited-tenure research posts, perhaps involving a small amount of teaching, for academics early in their careers.*
- *The Trust does not normally contribute towards the costs of pre-doctoral students because PhD studentships are available from Research Councils, from the Cambridge Commonwealth, European, Overseas, and Gates Trusts, and from the Domestic Research Studentships competition organised by the Board of Graduate Studies.*
- *The Trustees do not in their own right seek funds from outside (the only exception being the Cambridge Bursary Scheme). It is therefore the responsibility of recipients of grants to raise the additional monies which are a condition of their grants from the Trust.*

- *The Trustees do not give priority to grants for equipment and in particular do not normally support requests for replacement of standard items. However, they have made modest provision for equipment grants and will give priority to requests for new equipment for teaching or new equipment which has multiple use. Such grants will normally be for no more than one-third of the total cost. The Trustees do not normally entertain requests for “bricks and mortar” projects.*

More detailed Guidelines, intended to assist prospective applicants, can be found on the Trust’s website at www.newtontrust.cam.ac.uk.

APPLICATIONS

In 2006-07 the Trust received a total of 71 new applications for support (a new record number; there were 46 applications in 2005-06). The total cost of supporting these applications in full would have been £4.1m. In the event, 57 applications were supported at a total cost of £2.8m (many grants being made at a lower level than had been requested). Fourteen applications were rejected.

In addition, the Trust invited applications from Departments in the Arts, Humanities and Social Sciences for matching support for post-docs seeking 2-year Early Career Fellowships from the Leverhulme Foundation. Some 36 applications were received and the Trust agreed to underwrite 16 of them in the expectation that no more than 10 would be successful in the Leverhulme competition. A summary of those whom the Trust agreed to support is given on page 15

GRANTS AWARDED

The following grants (totalling £2.8 million) were approved by the Trustees during the report period. They are listed alphabetically by Department. The amounts of individual grants may be found in Appendix 2 (Yellow Table). If the matching requirement associated with each grant is achieved, the total matching sum associated with these grants will be £3.3 million. In some instances this matching sum would no doubt have come to Cambridge anyway; in others it has been elicited by the Newton Trust grant.

Applied Mathematics and Theoretical Physics: A grant over 18 months towards the salary of Dr João Rodrigues to work as a post-doc under the supervision of Professor Peter Wadhams on a project to quantify the current melt rate of Arctic sea ice and its variability over the past two decades, entitled ‘Arctic sea ice thinning from submarine sonar data’.

Applied Mathematics and Theoretical Physics: A grant over two years towards the salary of Dr Pavel Berloff to work as a Senior Research Associate under the direction of Professor Peter Haynes on a project entitled, ‘Dynamics and Mathematical Modelling of Mesoscale Oceanic Turbulence’, in which the effects of turbulence on large-scale ocean circulation will be investigated.

Applied Mathematics and Theoretical Physics: A grant over one year towards the salary of Dr Nicolas Taberlet to work as a post-doctoral Research Associate under the supervision of Dr James McElwaine on a project entitled, 'Self-channelisation of laterally unconfined dense granular flows'.

Archaeology: A grant over nine months for the salary of Dr Diane Lister as a Research Associate to work on a project entitled, 'The potential for genetic analysis of historic barley landraces to trace the spread of cereal cultivation across Asia', together with a grant for consumables, and a grant for the travel expenses of Dr Lila Janik. (Applicant: Professor Martin Jones)

Archaeology: A grant over one year to support pilot fieldwork and post-excavation research to be undertaken by Dr Cameron Petrie on a project entitled, "In the District of Pushkalavati" - exploring the geography and environment of Ancient Gandhara, and the archaeology of the Bala Hissar at Charsadda, North-West Frontier Province, Pakistan'. The investigation covers the period from the second millennium BC to the end of the first millennium AD.

Biochemistry: A grant over one year towards the salary of Dr Adrian Barbrook to work as a Research Associate under the direction of Professor Christopher Howe on a project entitled, 'Genetic markers for dinoflagellates', together with a grant towards essential consumables.

Biochemistry: A grant over two years towards the cost of consumables for use by Dr Susanne Gendreizig under the supervision of Dr Florian Hollfelder on a project entitled, 'Enzymology and selection of histone modifying enzymes'. Dr Gendreizig's salary will be met by an EU Marie Curie Fellowship.

Biochemistry: A grant over six months towards the salary costs of Dr Ellen Nisbet to work as a post-doctoral Research Associate under the direction of Professor Christopher Howe on a project entitled, 'Signalling from the chloroplast in the Malaria parasite *Plasmodium*', together with a contribution towards DNA micro experiments.

Biochemistry: A grant over one year towards the cost of consumables and small items of equipment for use by Dr K Nishikawa in the laboratory of Dr Martin Welch on a project entitled, 'Virulence factor production by *pseudomonas aeruginosa* biofilms'. Dr Nishikawa's salary will be met by the National Defense Medical College, Japan.

Biotechnology: A grant over two years towards the salary of Dr Maria Ruedas-Rama to work under the direction of Professor Elizabeth Hall as a post-doctoral researcher on a project entitled, 'I-DOTS : a methodology for real-time biochemical measurement in living cells'.

Cambridge Colleges Libraries' Forum (CCLF): A grant over five years towards the costs, including the salary of a part-time Manager, of a project entitled, 'ebooks@cambridge', which aims to establish robust, routine procedures for providing electronic versions of heavily-used textbooks and monographs to all resident members of the University. (Applicant: Dr Mark Nicholls, Librarian at St John's College, on behalf of the Project Management Team).

Cambridge Institute for Medical Research: A grant over ten months towards the salary of Ms Cathy MacLean to work under the supervision of Professor John Yates as a Study Coordinator (Research Associate) on a project entitled, 'Tuberous Sclerosis 2000 Study: Transition to Phase 2', which has the aim of improving treatment and outcome for children affected by the disease.

Centre for Business Research: A grant over two years towards the cost of a Senior Research Fellow to work under the direction of Professor Alan Hughes on a project entitled, 'Business and policy models for effective commercialisation of new technologies emerging from the science base', together with a grant towards travel costs.

Centre for Family Research: A grant to provide bridging support for up to one year for the salary of Dr Vasanti Jadva to work as a Research Associate under the Direction of Professor Susan Golombok on a project that seeks to investigate the quality of parenting and the psychological development of children in families created by assisted reproduction entitled, 'Families created by assisted reproduction: parenting and child development'.

Centre for Research in the Arts, Social Sciences and Humanities (CRASSH): A substantial grant over 5 years forming a second tranche of support for the Centre, both enabling the Centre's continuance at the current level of activity and providing resources for steady expansion. (Applicant: Professor Mary Jacobus, Director).

Centre of International Studies: A grant over one year towards an honorarium for Professor Richard Ned Lebow during his visit to Cambridge in 2007. (Applicant: Professor Christopher Hill, Head of Department).

Chemistry: A grant over 17 months towards the salary of a post-doctoral Research Associate to work under the direction of Dr Stephen Jenkins and Professor Sir David King on a project entitled, 'Atomistic modelling of catalysts for future energy technologies'.

Chemistry: A grant over three years towards the salary of Dr Li Liu as a post-doctoral Research Associate to work under the direction of Dr Oren Scherman on a project entitled, 'Cucurbituril: Towards stimuli-responsive functional materials'.

Clinical Medicine: A grant towards the purchase of an siRNA library with specificity for ubiquitin E3 ligases within the human genome for use by Dr Soma Sen Gupta under the supervision of Professor Paul Lehner.

Clinical Neurosciences (Cambridge Centre for Brain Repair): A grant over seven months towards the salary of Mr Jamie Marland to work as a Research Assistant under the supervision of Dr Philip Buttery on a project entitled, 'A molecular and cellular study of circuit homeostasis in mammalian brain', which seeks to contribute to the understanding of epilepsy and brain repair.

Divinity: A grant in the form of underwriting for up to two years towards the salary of Mrs Anne Fuller to work as editor under the supervision of Professor Eamon Duffy on a project to extract, transcribe, translate, calendar and prepare for publication the final volume (Vol XXII) of the *Calendar of Papal Registers relating to Great Britain and Ireland* to be published by the Irish Manuscripts Commission. The volume is entitled, 'The Vatican and Lateran Registers of Pope Hadrian VI (1522-1523)'.

Earth Sciences (The Sedgwick Museum): A grant over three years towards the salary and costs of a postdoctoral Research Fellow to work under the supervision of Dr David Norman on a project entitled, 'Charles Darwin's Geological Contributions (1831-1849): his body of work, its historical context and its originality', together with computer and software costs, and a contribution towards conference, publication, travel and subsistence costs. The project will form part of a major exhibition coinciding with Cambridge University's 800th Anniversary, the bicentennial of Darwin's birth and the sequicentennial of the *Origin of Species*.

Engineering: A grant over two years towards the cost of scaling up a project entitled, 'Cambridge University Undergraduate Research Opportunities Programme (UROP)', a scheme to provide training for undergraduate students via vacation placements in a research group. (Applicant: Dr Hugh Shercliff)

Engineering: A grant over three years towards the salary of Dr Nalin Rupesinghe to work as a Research Associate under the direction of Dr Kenneth Teo on a project entitled, 'Nanoelectronics Production - Technology for Wafer Scale Carbon Nanotubes and Nanowires'.

Experimental Psychology: A grant over one year for the salary of Dr Meredith Shafto to work as a post-doctoral researcher under the supervision of Professor Lorraine Tyler on a project that seeks to determine how older adults preserve cognitive function in the face of extensive neural atrophy, entitled 'The neural correlates of successful ageing: improving word-finding in old age'.

Genetics: A grant in the form of underwriting for the salary of Dr Juan Mata to work as a Group Leader under the direction of Dr David Summers in the final year of a four-year project entitled, 'Role of RNA-binding proteins in cellular differentiation: a global approach'.

Geography: A grant in support of agency and other costs associated with the project entitled, 'Empowering workers in the New Economy: labour market intermediaries in the Call Centre Industry (comparing India and the UK)', which seeks to explore the work-home boundary, mobility patterns and worker empowerment strategies. (Applicant: Dr Bhaskar Vira).

Gurdon Institute: A grant over two years towards the cost of consumables for use by Dr Rick Livesey on a project that investigates the consequences of increased hormone levels on brain development, entitled 'Neocortical area formation and the pathogenesis of autistic spectrum disorders'. Dr Livesey's salary will be met by the US charity, Autism Speaks.

Gurdon Institute: A grant over one year as a contribution to the salary of Dr Francesca Cesari to work as a post-doctoral researcher under the supervision of Professor Azim Surani on a project entitled, 'Role of *EZH2* in germ cell lineage and pluripotency in mice'.

Haematology: A grant over one year for laboratory expenses to support the work of Dr Nicolas Bonadies as a post-doctoral researcher under the supervision of Dr Bernie Göttgens on a project entitled, 'Mechanisms of aberrant gene expression in leukaemia'.

History: A grant over three years towards the salary of Dr Andrew Hann as a Project Manager, and towards the salary of Ms Gill Newton as a Data Manager under the supervision of Dr Leigh Shaw-Taylor on a project entitled, 'Historical European data on occupational structure and population', together with a grant towards the cost of workshops, computer equipment, travel and subsistence, and data digitisation. The project aims to facilitate multiple studies of long-term economic and social change across Europe.

History: A grant over one year towards the salary of Mr Calder Walton as a post-doctoral researcher under the direction of Professor Christopher Andrew on a project entitled, 'Intelligence History'.

Materials Science and Metallurgy: A grant over two years towards the salary of Mr Simon Hopkins as a post-doctoral Research Associate to work under the supervision of Dr Bartek Glowacki on a project entitled, 'Modelling and optimisation of magnesium diboride superconducting wires for MRI and NMR applications'.

Materials Science and Metallurgy: A grant over two years towards the salary of Dr David Cooke to work as a post-doctoral researcher under the supervision of Dr James Elliott on a project entitled, 'Structural modelling of the biological interface with materials', which aims to understand how biological systems can control the growth of minerals. (Applicant: Professor Lindsay Greer).

McDonald Institute of Archaeological Research: A grant over six months towards the salary of Dr Rhiannon Stevens to work with Dr Tamsin O'Connell on a project entitled, 'Reconstructing seasonal climate at archaeological sites via isotopic analysis of fauna: a case study in Upper Palaeolithic Moravia'.

McDonald Institute for Archaeological Research: A grant over one year towards research costs for Dr Alison Gascoigne to work on the Minaret of Jam Archaeological Project, undertaking scientific analysis of ceramics from the twelfth- to thirteenth-century site in Afghanistan.

Oncology: A grant over five months towards the salary of Ms Samantha Morris to work as a post-doctoral researcher under the supervision of Dr Shin-ichi Ohnuyama on a project entitled, 'Functional analysis of members of the small leucine-rich proteoglycan family in early embryogenesis, the advent of an extracellular network hypothesis'.

Oriental Studies: A grant over five years towards core funding of an archaeological project to take place in southern Turkey under the direction of Professor Nicholas Postgate entitled, 'Kilise Tepe'. The project has a particular emphasis on the Late Bronze and early Iron Ages.

Pathology: A grant over one year towards the salary of Dr David Ansell as a full-time post-doctoral Physicist to work under the supervision of Dr Chris Smith on a project entitled, 'The Naked Scientist', which broadcasts a weekly radio programme and internet podcast with the aim of encouraging young people to pursue a career in science.

Pharmacology: A grant towards the purchase of a NOVOstar plate reader with temperature control and programmable fluid addition, together with a grant towards the cost of a service contract. The equipment will be of benefit to both staff and students. (Applicant: Professor Colin Taylor)

Philosophy: A grant in part support of the salary costs of Dr Lubomira Radoilska to work on a project entitled, 'Drug distinctiveness and its impact on pharmaceutical ethics', under the direction of Dr Dominic Scott.

Physiology, Development and Neuroscience: A grant over two years towards the salary of Dr Miguel Luz Soares as a Research Associate to work under the supervision of Dr Anne Ferguson-Smith on a project entitled, 'Epigenetic control of gene activity and repression: regional influence of large repetitive domains in mammals'.

Physiology, Development and Neuroscience: A grant towards the salary of Dr David Welchman as a Research Associate under the supervision of Dr Benedicte Sanson for six months on a project entitled, 'Epithelial cell and tissue behaviours in the early *drosophila* embryo'. In addition, the Trust offered an interest-free loan towards the cost of a spinning disc confocal microscope.

Physiology, Development and Neuroscience: A grant over two years for the salary of a Research Assistant to work under the supervision of Dr Rob White on a project entitled, 'Genomics of gene regulation: towards understanding the regulatory genome'.

Physiology, Development and Neuroscience: A grant under the Trust's Conservation Biology Initiative over two years for the salary of a part-time technician to work with Dr Joan Tiffert under the supervision of Professor Bill Harris on a project entitled, 'The homeostasis of malaria-infected human red blood cells'.

Plant Sciences: A grant under the Trust's Conservation Biology Initiative over 15 months towards the salary of a postdoctoral researcher to work under the direction of Dr David Coomes on a project entitled, 'Meaningful measures of trends in forest fragmentation', together with a grant towards equipment and software.

Plant Sciences: A grant towards the purchase of a photon counting camera system for use by Dr Antony Dodd, Ms Fiona Robertson and Dr Guy-Bart Stan under the supervision of Dr Alex Webb on three separate BBSRC- and EPSRC- funded projects under the heading, 'The Circadian Signalling Network in Plants'.

Psychiatry: A grant over two years towards the salary of Mr Philip Corlett as a Research Associate under the supervision of Dr Paul Fletcher on a project entitled, 'Causal learning and Psychosis: developing a neurobiological model of delusion formation' in which neuroimaging is used to understand delusion in terms of brain function; together with a grant towards equipment.

Social and Political Sciences: A grant over 30 months towards the salary of Dr Peggy Watson to work under the direction of Professor John Thompson as principal researcher on a project entitled, 'Health care in post-communist Europe: Polish localities and meta-transformation'.

Social and Political Sciences: A grant over three years towards the salary of Dr Anneli Larsson to work under the direction of Professor Michael Lamb on a project entitled, 'Strategies for interviewing children who are reluctant to disclose sexual abuse'.

University Library: A grant over three years towards the salary of a Research Assistant to work under the supervision of Mr Peter Fox on a project which aims to make available the definitive print edition of letters to and from Charles Darwin by publication in *The Correspondence of Charles Darwin*, Cambridge University Press, 1984- , and via the website <<http://www.darwinproject.ac.uk/>>.

Veterinary Medicine: A grant towards research expenses in connection with the project entitled, 'Efflux transporters in the equine placenta' to be undertaken by Dr Clare Bryant and Dr Arno Werners.

Zoology: A grant over three months for the salary of Dr Claire Jackson to work as a post-doctoral Research Associate under the direction of Dr Brian McCabe and Professor Sir Gabriel Horn on a project entitled, 'Gene expression in a memory system in the brain of the domestic chick'.

Zoology: A grant over nine months towards the salary and costs of Dr Camilla Hinde to work as a Research Associate under the supervision of Dr Rebecca Kilner on a project entitled, 'Maternal effects and parent-offspring conflict'; a grant over two years as matching funding for a Leverhulme Early Career Fellowship for Dr Hinde.

Zoology: A grant over 2.5 years towards the salary costs of Dr Salomé Antolin to work with Dr Gregory Jefferis on a project entitled, 'The neural basis of olfactory perception in the fruitfly', together with a grant towards the purchase of a stereomicroscope.

Zoology: A grant under the Trust's Conservation Biology Initiative over one year towards the salary of Dr Jorn Scharlemann to work under the supervision of Dr Andrew Balmford on a project entitled, 'Agricultural commodities and tropical conservation', together with a grant towards equipment and software costs.

Zoology: A grant under the Trust's Conservation Biology Initiative over one year towards the salary of a Research Associate to work under the supervision of Dr Andrea Manica on a project entitled, 'The sustainable use of species and ecosystems', together with a grant towards equipment costs.

LEVERHULME EARLY CAREER FELLOWSHIPS

The Trust agreed to provide matching support over two years for those candidates on the following list successful in the Leverhulme competition during 2007:

Department	Applicant
Anglo Saxon, Norse and Celtic	Stokes, Peter
Biological Anthropology	Boivin, Nicole
Centre for International Studies	Bell, Duncan
English	Demetriou, Tania
English	Mukherjee, Ayesha
English	Wilson, Ross
History	Berry, Mark
History	Fulda, Bernhard
History	Isaac, Joel
History	Thompson, Andrew
McDonald Institute	Wilson, Jo
Music	Mordey, Delphine
Philosophy	Sangiovanni, Andrea
Politics	Parvin, Philip
Social Anthropology	Moretti, Daniele

RECURRENT TRUST SCHEMES

THE CAMBRIDGE BURSARY SCHEME

Aims and objectives

The scheme of Newton Trust Bursaries for UK Undergraduates was set up in 1990 in response to the progressive phasing out of student grants, the introduction of student loans and later of tuition fees. The main purpose of the scheme is to help attract the best candidates to Cambridge and to widen the field from which they are drawn, through support for students from disadvantaged backgrounds and from families with modest financial resources.

The Trust is presently running two versions of the scheme in parallel as described below.

Financial summary

The Trust has received three Special Donations from Trinity College towards the endowment of the Bursary scheme. These donations have been credited to the Bursaries Endowment Fund shown in Table 2(b). The Fund showed a significant increase in 2006-07, largely owing to improved market conditions. In addition the scheme has been supported on a recurrent basis by several sponsors. Several new sponsors were recruited in 2006-07. The Trustees are also grateful for a number of contributions to the scheme from Cambridge alumni (both from Trinity and other Colleges) made as part of the 800th Anniversary campaign. From 2006 onwards a significant part of the cost of bursaries for the New Scheme (see below) is being met by the University as a contribution from top-up fees. This 'top-up fee contribution' is accounted for separately in Table 2(c). The remaining costs of the scheme are met by a transfer from the General Fund as shown in Table 2(a).

Policy (Old System)

The Trustees agreed in 1999 to offer a guarantee that any student in receipt of full LEA fee remission (i.e. with a parental income of less than about £20,000) would receive a full bursary of £1,000, with a sliding scale for students who qualify on the basis of their parental income for a lower level of fee remission.

The cost of these awards is borne in part by Colleges, broadly in line with their endowment income per capita. Levels of contribution are shown in Table 3. Gonville and Caius, St John's, and Trinity Colleges pay the cost of awards for their own students.

A long-term evaluation of the bursary scheme, funded over ten years by Atlantic Philanthropies, is being carried out by the University's School of Education.

The scheme of bursaries is advertised on the Trust's web-site, in the University prospectus and in advertising sent to schools. This material includes a guarantee that any student who qualifies for full fee remission will also be awarded a full bursary.

The Trustees and Colleges have agreed to maintain the old system bursary scheme substantially unchanged for every student presently in residence. It will progressively wither on the vine as new generations of students are admitted under the new system of tuition fees from 2006.

CAMBRIDGE BURSARY SCHEME (£000's)**(a) Receipts and Expenditure account (actual and estimated)***Shaded items are donations mediated by CUDO.*

Year ended 31.1	Actual																	Projected				
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Newton Bursaries Endowment Fund (formula transfer)											161	223	164	139	170	166	226	243	243	243	243	243
Atlantic Philanthropies											200	200	200	200	133	67	0	0	0	0	0	0
Evaluation (paid by Atlantic Philanthropies)												43	21	40	20	30	36	37	37	38		
Clifford Chance		2	8	10	10	14	1	37	18	18	25	0	69	35	35	35	35	35	35	35	35	35
Hinduja Foundation			7	8	9	11	15	14	30	0	15	15	15	15	30	0	15	15	15	15	15	15
Mitsubishi Corporation				3	0	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eagle Star							25	25	25	25	0	0	0	0	0	0	0	0	0	0	0	0
Armourers and Braziers Gauntlet Trust						1	1	1	1	1	1	2	2	2	4	2	0	4	2	2	2	2
Malaysian Commonwealth Bursaries									40	0	20	20	20	20	40	0	20	20	20	20	20	20
Thermo Electron Corporation																3	6	9	12	12	12	12
Lovells																40	0	0	0	0	0	0
Carpenters Company																		3	3	3	3	3
Caterpillar Foundation																		6	6	6	0	0
Man Group																	21	42	63	42	21	0
Other private donors (via CUDO)																	77	20	20	20	20	20
Other private donors																	3					
Voluntary contribution from Colleges (for 00-01) ¹											55											
General Fund (net cost)	73	139	160	195	238	282	315	254	282	710	156	356	500	515	621	832	396	376	289	439	624	625
TRUST EXPENDITURE ON BURSARIES (including Bursary Compensation Payments)	73	141	175	216	257	310	357	334	396	754	633	859	991	966	1053	1028	835	810	745	875	995	975
College contributions ^{2,3}											180	220	250	239	258	230	190	110	35	0	0	0
Trinity, Caius and St John's (own schemes - estimated) ³	20	35	45	50	60	90	90	90	100	140	140	200	240	260	275	275	195	115	35	0	0	0
College contribution paid ⁴																	90	230	400	550	630	650
Top-up fee contribution (via Endowment Fund) ⁴																	318	1725	3000	4125	4725	4875
TOTAL EXPENDITURE ON BURSARIES³	93	176	220	266	317	400	447	424	496	894	953	1279	1481	1465	1586	1533	1154	690	215	50	50	0
TOTAL EXPENDITURE ON BURSARIES⁴																	474	2300	4000	5500	6300	6500
College contributions paid ⁴																		243	400	600	700	700
College contributions required ⁴																		-130	-300	-500	-600	-600
Bursary Compensation Payment ⁴																		113	100	100	100	100

¹These voluntary contributions made in 2000-2001 relate to bursaries paid in 1999-2000.²These totals are the formula amounts that Colleges have agreed to contribute to their own students as part of the Scheme. They do not include other Hardship Grants provided by Colleges to their students.³Old scheme⁴New scheme

(b) Newton Bursaries Endowment Fund

Year ended 31.1	Actual										Projected (at 4% return)												
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
Balance at start of year										2078	3211	4461	4097	3486	4260	4778	5638	7097	7122	7872	8247	8322	
Donations										2000	1000	1205	200	200	133	113	97	0	0	0	0	0	
Trinity College																							
Atlantic Philanthropies ⁵										67	-67	0	0	0	0	0	0	0	0	0	0	0	0
Cambridge Society											5												
Received from University of Cambridge																	1350	1750	3750	4500	4800	4900	
Dividends and interest										45	115	153	147	142	139	171	166	183	243	243	243	243	243
Gain/Loss on investments										33	-49	115	-488	-789	567	384	772	373	0	0	0	0	0
Formula transfer to Receipts and Expenditure account (4%)										0	-161	-223	-164	-139	-170	-166	-226	-243	-243	-243	-243	-243	
Receipts and Expenditure account (Top-Up Fee contribution)																	-318	-1725	-3000	-4125	-4725	-4875	
Balance at end of year										2078	3211	4461	4097	3486	4260	4778	5638	7097	7122	7872	8247	8322	8347

Detail for Top-Up Fee Contribution

Year ended 31.1	Actual										Projected											
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Balance at start of year																	0	1032	1057	1807	2182	2257
Received from University of Cambridge																	1350	1750	3750	4500	4800	4900
Receipts and Expenditure account (Top-Up Fee contribution)																	-318	-1725	-3000	-4125	-4725	-4875
Balance at end of year ⁶																	1032	1057	1807	2182	2257	2282

⁵67 from Atlantic Philanthropies credited to Newton Bursaries Endowment Fund 1999/2000; but was intended to be spent, so transferred to Receipts and Expenditure account 2000/2001.

⁶The balance shown at the end of January each year is expected to be spent (for the purposes of the Cambridge Bursary Scheme) before the end of the corresponding academic year.

Policy (New System)

Under the Higher Education Act passed in 2004, Universities are permitted to charge so-called top-up fees on condition that they have a bursary scheme in place which guarantees minimum bursaries to UK students from the poorest families. These arrangements are policed by a regulator, the Office for Fair Access (OFFA). Cambridge charged the maximum top-up fee permitted from 2006, and the University and Colleges asked the Trust to administer an expanded bursary scheme in fulfilment of the OFFA requirement. This involves a substantial increase in bursary amounts, well in excess of the minimum required, and also a widening of the categories of student who receive bursaries. The cost of the bursary scheme increased substantially in 2006 and will continue to rise as successive cohorts of students fall under the new fee arrangements, increasing to a steady state of about £6 million per annum by 2011.

Fundraising for bursaries is a major part of the University's 800th Anniversary Campaign. Several Colleges are using student support as a major plank in their fundraising, some with notable success. With the agreement of all parties involved, an arrangement has been worked out whereby Colleges that are particularly successful in their fundraising for bursaries can meet a higher-than-normal share of the cost and they will then be reimbursed by the Trust. These are the 'Bursary Compensation Payments' shown in Table 2(a).

Results of the 2006-07 Bursary allocation (Old Scheme)

All eligible applicants were awarded a bursary on a sliding scale up to £1,000 thereby meeting the Trust's guarantee. The number of awards made is given below:

- a total of **1150** bursaries were awarded at a total cost of about **£866,000**;
- the cost to the Trust net of College contributions is about **£713,000**;
- of the total **1175** applications for bursaries (new and renewals), **25** were deemed ineligible to receive support;
- **91** of these awards remain to be settled upon receipt by the Trust of students' LEA assessments.

Numbers and costs of awards by College are shown in Table 3. The average value of each Old Scheme bursary awarded in 2006 is £750.

Results of the 2006-07 Bursary allocation (New Scheme)

All eligible applicants were awarded a bursary on a sliding scale up to £3,000 as specified in Cambridge's OFFA agreement. Some 22 students met the criteria (being over 21 when they started their undergraduate course and resident in Cambridge throughout the year) for a higher tier bursary of up to £5,000. The number of awards made is given below:

- a total of **598** bursaries were awarded at a total cost of about **£1.27m**;
- the cost net of College contributions is about **£1.14m**;

TABLE 3**Bursaries for UK Undergraduates 2006-07 (Old System)**

<i>College</i>	<i>No of awards</i>	<i>Total cost of awards £k</i>	<i>% of Total Costs paid by College</i>
Christ's College	35	27	25
Churchill College	40	29	12.5
Clare College	48	26	25
Corpus Christi College	35	20	25
Downing College	48	35	6.25
Emmanuel College	42	38	50
Fitzwilliam College	50	38	6.25
Girton College	48	37	12.5
Homerton College	116	102	6.25
Hughes Hall	10	10	6.25
Jesus College	42	34	25
King's College	73	49	50
Lucy Cavendish College	21	21	6.25
Magdalene College	31	22	12.5
New Hall	65	48	6.25
Newnham College	59	49	25
Pembroke College	68	43	12.5
Peterhouse	24	20	50
Queens' College	57	36	6.25
Robinson College	44	34	6.25
St Catharine's College	42	33	12.5
St Edmund's College	24	21	6.25
St John's College	0	0	50
Selwyn College	55	40	12.5
Sidney Sussex College	42	32	25
Trinity Hall	26	19	25
Wolfson College	5	3	6.25
Total	1150	866	

- the total required College contributions to these bursaries was **£127,000**, 10% of the total cost.
- of the total **636** applications for bursaries, **38** were deemed ineligible to receive support;
- **86** of these awards remain to be settled upon receipt by the Trust of students' LEA assessments.

First year students (only) taking the Graduate Course in Medicine were invited to apply for a bursary. Seventeen students applied; 13 bursaries were awarded; 4 remain to be settled.

New Scheme awards were paid in two instalments (at Christmas and Easter).

Numbers and costs of awards by College are shown in Table 4.

Some 9 Colleges, (Corpus Christi, Jesus, Magdalene, Girton, Clare, Queens', Churchill, St Catherine's and Sidney Sussex) took advantage of the new Bursary Compensation Payment arrangement by meeting more than the required cost of their bursaries with contributions from their alumni. Bursary Compensation Payments totalling £120,000 will be made in due course.

Several new commercial sponsors of the Bursary Scheme were recruited, in particular by CUDO. Amounts are shown in the Bursaries Table.

Of New Scheme bursaries awarded, about 40% were at the maximum level and 60% at some point on the taper.

Collaborators

Atlantic Philanthropies continue to fund the evaluation of the Bursary Scheme carried out by the University's School of Education.

Armourers and Brasiers: Four recipients of Armourers and Brasiers awards were identified and the recipients notified. A cheque for £2,000 was received from the Company.

Cambridge Society: The seventh Cambridge Society bursary was awarded.

Carpenters: The Carpenters Company agreed to support a bursary for a student reading Architecture. The first Carpenters Company bursary has been awarded.

Caterpillar: The Caterpillar Foundation agreed to support four bursaries for students reading Engineering. Four first-year students of Mechanical Engineering were identified as the first recipients of the new Caterpillar Newton Trust awards.

Clifford Chance: Clifford Chance continue to make a contribution to the bursary scheme at a level of £35,000 per annum and these figures have been included in the projections. A reception for Clifford Chance bursars was held on 6 March 2007 at Trinity College.

Lovells Fourteen bursaries ongoing from 2005-06 were awarded to second-year Law students.

Man Group: The Man Group plc agreed to support seven bursaries for students taking courses in Mathematical disciplines. Five first-year students of Mathematics and two first-year students of Economics were identified as the first recipients of the new Man bursaries.

Table 4: Cambridge Bursary Scheme: New Scheme 2006-07

<i>College</i>	<i>No of awards</i>	<i>Total cost of awards £k</i>	<i>% of Total Costs paid by College</i>
Christ's College	19	48,400	10%
Churchill College	16	35,250	4%
Clare College	23	54,200	10%
Corpus Christi College	12	29,550	10%
Darwin College	3	1,100	2%
Downing College	21	49,150	2%
Emmanuel College	16	28,350	20%
Fitzwilliam College	29	60,850	2%
Girton College	23	49,400	4%
Gonville and Caius College	26	55,250	35%
Homerton College	64	107,800	2%
Hughes Hall	22	28,900	2%
Jesus College	23	55,600	10%
King's College	23	50,850	20%
Lucy Cavendish College	15	47,150	2%
Magdalene College	20	43,700	4%
New Hall	18	39,750	2%
Newnham College	21	31,600	10%
Pembroke College	19	44,200	4%
Peterhouse	12	26,700	20%
Queens' College	19	34,950	2%
Robinson College	24	63,050	2%
St Catharine's College	18	42,650	4%
St Edmund's College	19	38,000	2%
St John's College	12	28,650	35%
Selwyn College	3	11,000	4%
Sidney Sussex College	25	49,450	10%
Trinity College	29	57,350	35%
Trinity Hall	17	42,600	10%
Wolfson College	7	14,000	2%
Total	598	£1.27m	

Thermo Fisher Scientific (previously Thermo Electron) have agreed to sponsor two bursaries of £6,000 over four years (£1,500 per year) to Natural Sciences students. A cheque for £9,000 for the third year has been received from the Company and a further two bursaries were awarded.

Dharam Hinduja Newton Bursarie and Malaysian Commonwealth Studies Bursaries were awarded as usual. Contributions from the sponsors, £15,000 and £20,000 respectively, were received.

Grants for Community-Related Projects

The Trust has continued to operate a scheme offering contributions to community-related undergraduate projects with preference being given to bursary-holders and those undertaking projects within the UK. Some 106 awards were made under this scheme in 2006-07 at a total cost of £22,950. Most of the grants to individuals were for sums less than £500, but within the total the Trust approved a grants of £2,000 to Student Community Action and £800 to the Humanitarian Centre towards equipment and office costs.

RESEARCH STUDENT FUNDING

The Trust supports Research Students at Cambridge in three ways: through a now vestigial scheme of Awards for UK Research Students in the Arts, Humanities and Social Sciences described below; through the Board of Graduate Studies Scheme of Domestic Research Studentships (available to both UK and EU students) described on page 29; and through the scheme of Newton European Research Studentships (for EU students) operated by the Cambridge European Trust and described on page 29.

Newton Awards for UK Research Students in the Arts, Humanities And Social Sciences

A new and experimental scheme of awards restricted to the Arts, Humanities and Social Sciences operated for the first time in 2002. Awards of £1,500 per year were offered for new PhD students from the UK holding either a 3-year Research Council maintenance grant or a similar 1-year Research Council grant with the intention of proceeding thereafter to the PhD degree in Cambridge. The scheme operated for the second time in 2003. A review by the Trust in 2004 decided that the scheme should be discontinued (details are contained in Annual Report Volume XIV pp.20-21).

No new awards were made under this scheme in 2006-07, but one award is ongoing from those who started in 2002 and six awards are ongoing from those who started in 2003. Total cost of these awards in 2006-07 was £10,500.

COLLEGE TEACHING OFFICER (CTO) SCHEME

Aims and objectives

The aims of this scheme is to increase CTO involvement in Faculty teaching and the amount of University teaching available, allow Faculties to choose such extra teachers from CTO ranks as they wish, make it possible for the Tuition Funds of poorer Colleges to afford the consequent reduction in the amount of CTO teaching, to provide a career training opportunity, and to achieve these aims through a scheme that is simple to operate.

Tenure in these posts was initially limited to a maximum of ten years. In a review of the scheme in 2004 the maximum tenure was reduced to 8 years so as to offer greater opportunity to CTOs appointed by Colleges for short periods to compete for a post.

The original scheme established in 1992 operates across faculties, though in practice most posts are in the Humanities.

Summary of awards 2006-2007

Twenty-eight posts are currently filled. One post-holder is on leave: Dr Henry. There are **six** vacancies. A list of present holders of awards is given in Table 4 below.

Costs

The cost of the CTO scheme for the academic year 2006-2007 was **£97,445**

Recent changes

Several new appointments, reappointments and resignations arose during the year:

Faculty of Economics

Dr Demosthenes Tambakis (Pembroke College) was appointed for five years from 1 October 2006.

Faculty of English

Dr Sarah Brown (Lucy Cavendish College) resigned her post with effect from 30 June 2006 to take up a Chair at Anglia Ruskin University.

Dr Katrin Ettenhuber (Pembroke College) was appointed for 5 years from 1 October 2007.

Dr Hester Lees-Jeffries (St Catharine's College) was appointed for 1 year from 1 October 2006 as a temporary replacement for Dr Anne Henry, who is on leave.

Dr Leo Mellor (New Hall) was appointed for 5 years from 1 October 2006.

Dr Subha Mukherji (Fitzwilliam) resigned with effect from 1 January 2007 to take up a Lectureship at the Faculty of English.

Dr Daniel Wakelin (Christ's College) resigned with effect from 30 September 2006 to take up a University Lectureship.

Dr Andrew Zurcher (Queens' College) was appointed for 5 years from 1 October 2006.

Faculty of History

Mr Martin Ruehl (Sidney Sussex) was appointed for 5 years from 1 October 2007.

Faculty of Law

Miss Amy Goymour (Fitzwilliam College) changed her College affiliation from Fitzwilliam College to Downing College with effect from 30 September 2006. Downing College agreed to her continuing as an affiliated Lecturer on the Newton Trust CTO Scheme until the end of her tenure (30 September 2010).

Faculty of Mathematics

Dr J H P Dawes (Newnham) was appointed for 5 years from 1 October 2006.

Dr M Dunajski (Clare) was appointed for 5 years from 1 October 2006.

Dr M Walters (Peterhouse) was appointed for 5 years from 1 October 2006.

Faculty of Modern and Medieval Languages

Mr Jean Khalfa's (Trinity College) tenure has been extended by one year to 30 September 2007 following the end of his period of sabbatical leave.

Dr Joe Harris (St Catharine's College) resigned his post with effect from 30 September 2006 to take up a lectureship at another university.

Dr Isabelle McNeill (Trinity Hall) was appointed for 5 years from 1 October 2006.

Faculty of Music

Dr Samuel Barrett (Pembroke College) resigned with effect from 30 September 2006 to take up a University Lectureship.

Faculty of Social and Political Sciences

Dr Mirca Madianou (Lucy Cavendish College) was appointed for 5 years from 1 October 2006.

TABLE 4 : Present holders of CTO appointments

Name	Title	Initials	Faculty	No	College	Start tenure	End tenure
Aldred	Dr	Jonathan	Land Economy	1 of 1	Emmanuel	1.10.2002	30.9.2008
Batsaki	Dr	Yota	English	2 of 8	St John's	1.10.2004	30.9.2009
Bodenhorn	Dr	Barbara	Social Anthropology	1 of 1	Pembroke/Girton	1.10.2001	30.9.2008
Brown	Dr	Sarah	English	5 of 7	Lucy Cavendish	1.1.2005	30.9.2006
Catani	Dr	Damian	Modern and Medieval Languages	1 of 6	New Hall	1.10.2005	30.9.2010
Davis	Dr	Jennifer S	Law	3 of 3	Wolfson	1.10.2000	30.9.2007
Fleet	Dr	Kate	Oriental Studies (Turkish)	Super	Newnham	1.1.2001	30.9.2011
Goymour	Ms	Amy	Law	1 of 3	Downing	1.10.2005	30.9.2010
Horrox	Dr	Rosemary	History	3 of 6	Fitzwilliam	1.10.2002	30.9.2007
Khalfa	Dr	J	Modern and Medieval Languages	5 of 6	Trinity	1.10.1998	30.9.2007
Mandelbrote	Mr	Scott	History	2 of 6	Peterhouse	1.10.2002	30.9.2007
Miles	Dr	Richard	Classics	1 of 1	Trinity Hall	1.10.2005	30.9.2010
Mukherji	Dr	Subha	English	7 of 8	Fitzwilliam	1.10.2005	1.1.2007
Rankin	Dr	Deana	English	3 of 8	Girton	1.10.2005	30.9.2010
Schramm	Dr	Jan-Melissa	English	6 of 8	Trinity Hall	1.1.2005	30.9.2009
Segre	Dr	Erica	Modern and Medieval Languages	3 of 6	Trinity	1.10.2004	30.9.2009
Smith	Dr	David	History	4 of 6	Selwyn	1.10.2001	30.9.2007
Tambakis	Dr	Demosthenes	Economics	1 of 2	Pembroke	1.10.2006	30.9.2011
Toye	Dr	Richard	History	6 of 6	Homerton	1.1.2004	31.12.2008
Wakelin	Dr	Daniel	English	4 of 7	Christ's	1.10.2005	30.9.2006
Woodford	Dr	Charlotte	Modern and Medieval Languages	2 of 6	Selwyn	1.10.2006	30.9.2011

TIME-LIMITED TEACHING FELLOWSHIPS SCHEME

Aims and objectives

The aims and objectives of this scheme are to strengthen the undergraduate supervision system at the less well-endowed Colleges, thereby helping to produce a more even playing field between well-endowed and less well-endowed Colleges; and to help to integrate some of the holders of Newton Additional Appointments and similarly placed postdoctoral researchers into College life.

Policy

The Trustees agreed in 1999 to make up to 25 grants available to enable young postdoctoral researchers to be elected to teaching Fellowships at the less well-endowed Colleges shown below. Each appointment may be held for up to 5 years. The duties of each person appointed include giving 4 hours per week of undergraduate supervision. In return the Trust pays the College £4,000 per annum towards the overheads involved. In 2004 the Trustees agreed to increase the maximum number of posts available under the scheme from 25 to 30 from 2005 onwards.

The following Colleges are eligible to participate in this scheme

Downing	Pembroke
Fitzwilliam	Queens'
Girton	Robinson
Homerton	Selwyn
Hughes Hall	St Catharine's
Lucy Cavendish	St Edmund's
Magdalene	Wolfson
New Hall	

Appointments made

The Trust has advertised rounds of appointments annually. In the Easter Term 2006, 16 vacancies were offered to eligible Colleges in competition. As a result, 4 new appointments were made and 4 appointments were extended up to the maximum 5-year tenure as from 1 October 2006.

Current post-holders are shown in Table 5.

TABLE 5: Time-Limited Teaching Fellowship appointments as at 13 March 2007

Lastname	Firstname	College	Department	From	End of post-doc
Carr	Joanne	New Hall	Chemistry	1 October 2005	31 May 2008
Owen	Sara	Fitzwilliam College	Faculty of Classics	1 October 2005	30 September 2009
Tomalin	Marcus	Downing College	English	1 October 2004	30 September 2009
Wardle	Fiona	St Catharine's College	Developmental Biology	1 October 2002	30 September 2007
Guse	Eran	Fitzwilliam College	Economics	1 October 2004	30 September 2007
Grainge	Keith	Selwyn College	Physics	1 October 2004	30 September 2007
Lee	Jonathan	New Hall	Experimental Psychology	1 October 2005	30 September 2010
Browne	Jude	Downing College	Social and Political Sciences	1 October 2002	30 September 2007
Greatorex	Jane	Lucy Cavendish	Medicine	1 October 2003	30 September 2008
Treece	Graham	Queens' College	Engineering	1 October 2003	30 September 2008
Manning	Russell	St Edmund's College	Divinity	1 October 2003	30 September 2008
Lynch	Stephen	St Edmund's College	Physics	1 October 2003	28 February 2008
Odhams	Andrew	Queens' College	Engineering	1 October 2006	30 September 2008
Ford	Marijn	Downing College	MRC-LMB	1 October 2006	30 September 2011
McDaniel	Iain	Queens' College	History	1 October 2006	30 September 2008
Anderson	Edward	Homerton College	Chemistry	1 October 2006	31 May 2008
Williams	Guy	Downing College	Maths for Natural Sciences	1 October 2004	1 October 2007

GRANTS MADE TO OTHER BODIES

DOMESTIC RESEARCH STUDENTSHIPS

Aims and objectives

To award research scholarships to the best 'Home' (i.e. UK and EU) students who fail to gain support from public sources such as the Research Councils and the AHRC.

Policy

The Newton Trust agreed in 1997 to contribute £75,000 per annum for five years to a University-wide scheme, adding to other sources of funds to increase the number of awards available. The awards are made by the Board of Graduate Studies on the advice of Academic Division's Committee on Awards. The majority of awards are made to students in the Arts and Humanities. During 2002-03 the Trustees agreed to extend the period of support for a further five years at £85,000 per annum; in 2004 agreed an increase to £90,000 per annum.

In addition, the Trust agreed in 2002 to provide underwriting of £250,000 over a five-year period to enable firm offers of support to be made earlier by the Committee on Awards to strong candidates who might otherwise be tempted to go to other Universities but who were likely in the event to receive funding from public sources.

Grants awarded

In 2006 some 17 new awards were made. The Secretary of the Board of Graduate Studies reported that the availability of the Trust's underwriting had been useful in enabling early offers of awards to be made to students who might otherwise have moved elsewhere but who had, in the course of events, subsequently been awarded a studentship by AHRC. £188,681 of the underwriting remains available.

NEWTON EUROPEAN RESEARCH BURSARIES

Aims and objectives

The aims and objectives of this scheme are to encourage able students from the European Union to do research at Cambridge and to help them take up their places. (EU students are eligible for support from public sources for their fees, but not for maintenance.)

Policy

The Trustees agreed in 1999 to make a donation to the Cambridge European Trust totalling £600,000 to provide a pilot scheme of Newton European (Research) Studentships of annual value up to £2,000 tenable for up to three years, to be awarded to PhD students from the EU by the Cambridge European Trust on the basis of departmental recommendations. A further £400,000 was awarded during 2002-03, and in 2004-05 the Trustees agreed to make a further and final grant of £400,000 over two years for the same purpose.

Grants awarded

The Cambridge European Trust reported that 86 awards had been made under this scheme during 2006-07 at a total cost to the Newton Trust of £172,000.

APPENDIX 1

Isaac Newton Trust

Accounts

for the year ended 31 January 2007

Isaac Newton Trust

Accounts

for the year ended 31 January 2007

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APPENDIX 2

Consolidated list of grants 1997-2007

The following Tables list all the grants that the Trustees have approved in the ten year period from 4 July 1997 to 13 March 2007 inclusive. As shown in the Tables, not every grant approved has been taken up, either because circumstances have changed, or else because the Trust's matching requirement has not been met.

The following abbreviations are used:

AA=Additional Appointment
 EG=Equipment Grant
 C=Confirmed [shaded=part confirmed]
 U=Underwriting
 CU=Underwriting taken up
 L=Lapsed
 W/D=Withdrawn
 X=Not Confirmed
 MI=Major Initiative

Sums in square brackets are not included in totals (because the grant has either been withdrawn, or included elsewhere).

The correspondence of Minute numbers to meeting dates is as follows:

Year	Minutes	Year	Minutes
1988	1 – 26	1998	579 – 621
1989	27 – 94	1999	622 – 695
1990	95 – 185	2000	696 – 766
1991	186 – 264	2001	1.00 – 1.59
1992	265 – 322	2002	2.00 – 2.49
1993	323 – 388	2003	3.00 – 3.53
1994	389 – 447	2004	4.00 – 4.55
1995	448 – 496	2005	5.00 – 5.57
1996	497 – 535	2006	6.00 – 6.60
1997	536 – 578	2007	7.00 –

The column headed 'Matching Required' indicates the total matching sum (normally from sources outside Cambridge, but occasionally from within) required to release the Newton Trust grant. For Confirmed grants (labelled 'C') this matching requirement has been met.

An index to the Tables is given at the end. Some items in the index refer to grants made before 1997, in particular for the Special Donations made by the College in 1996-1997 on which the Trust made a final report in 2004.