

# **ISAAC NEWTON TRUST**

**ANNUAL REPORT**

**TO THE COUNCIL OF**

**TRINITY COLLEGE**

**COVERING THE PERIOD**

**27 APRIL 2000 – 14 MARCH 2001**

**VOLUME XI**



## CONTENTS

|  | page |
|--|------|
| Trustees and Officers                                  | 2    |
| Introduction   | 3    |
| Aims and objectives of the Trust                       | 3    |
| Financial summary                                      | 4    |
| Research grants approved 2000–2001                     |      |
| Policy   | 6    |
| Grants Awarded   | 7    |
| Recurrent Trust scheme grants:                         |      |
| Newton Trust Bursary scheme for UK undergraduates      | 10   |
| UK Research Students scheme                            | 14   |
| College Teaching Officer schemes                       | 16   |
| Time-Limited Teaching Fellowships scheme               | 19   |
| Grants made to other bodies:                           |      |
| Domestic Research bursaries                            | 20   |
| Newton European Research bursaries                     | 20   |
| Special Donations from Trinity College                 | 21   |
| Appendix 1: Audited accounts for year ended 31.1.01    |      |
| Appendix 2: Consolidated list of grants (1988 onwards) |      |
| Research grants awarded (by Department) – Yellow Table |      |
| Special Donations from Trinity College:                |      |
| Bursary scheme – Cream Table                           |      |
| Other special donations – Green Tables                 |      |
| Index to Tables  |      |

## TRUSTEES AND OFFICERS

H.R.H. the Prince of Wales (*Chairman*)  
Professor Sir Tony Wrigley (*Deputy Chairman from October 2000*)  
Baroness O'Neill  
Dr J R F Fairbrother  
Professor A K Sen  
Dr C T Morley (*Deputy Chairman until October 2000*)  
Mrs A Lonsdale  
Professor N O Weiss  
Professor E J Hinch  
Dr M S Neuberger

### Director

Dr J M Rallison (*Acting Director until October 2000*)

### Treasurer

Dr J R G Bradfield (*Acting Treasurer*)

Trinity College, Cambridge CB2 1TQ  
Tel (01223) 339933 Fax (01223) 367944  
[www.newtontrust.cam.ac.uk](http://www.newtontrust.cam.ac.uk)

## **INTRODUCTION**

This report to the Council covers the period from 27 April 2000 up to, and including, the Trustees' meeting on 14 March 2001. It lists for that period new research grants approved by the Trustees, developments in the main schemes of the Trust, and grants from the Special Donations made by Trinity College. The audited Trust accounts for the year ended 31 January 2001 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 X. A consolidated summary of all grants made by the Trust since 1988 is given in this report as Appendix 2.

Sir Tony Wrigley was appointed Deputy Chairman of Trustees by the Council of Trinity College from October 2000. The Trustees express their thanks to Dr C T Morley for acting as Deputy Chairman during the period February – October 2000. The Trustees appointed Dr J M Rallison as Director of the Trust from October 2000. Mrs S E L Hancock was appointed Trust Administrator in May 2000.

During the year the Trust established a website ([www.newtontrust.cam.ac.uk](http://www.newtontrust.cam.ac.uk)) that gives details of the Trust schemes. Those web pages that are concerned with the Bursary scheme (see page 10) 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. 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 until 14 March 2001 is shown in Table 1 and a breakdown of these grants by Department in the Yellow Table in Appendix 2.

The fall in the amount of 'Other grants (mainly research)' during the year ended 31 January 2001 is attributable in part to the late arrival of invoices for research grants arising from computer difficulties in the University accounting system.

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.

### Special Funds

In addition to its donations mentioned above, the College has given the Trust various Special Donations, earmarked for particular purposes. These are credited to Special Funds and are considered individually in the sections below (pages 10-12 and 21-22). The aggregate balance in the Special Funds is given as the final line in Table 1.

**GENERAL FUND** (£000's)  
**STATEMENT OF INCOME AND EXPENDITURE AS AT 14 MARCH 2001**

| Year ended                                  | Actual      |             |             |             |             |             |             |             |             |             |             |             | Projected (at 5% return) |             |             |             |             |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------------|-------------|-------------|-------------|-------------|
|   | 31.1.90     | 31.1.91     | 31.1.92     | 31.1.93     | 31.1.94     | 31.1.95     | 31.1.96     | 31.1.97     | 31.1.98     | 31.1.99     | 31.1.00     | 31.1.01     | 31.1.02                  | 31.1.03     | 31.1.04     | 31.1.05     | 31.1.06     |
| Balance at start of year                    |             | 5604        | 7173        | 7758        | 8796        | 10982       | 8946        | 10659       | 11784       | 12740       | 13133       | 14059       | 15191                    | 13618       | 12771       | 12775       | 13432       |
| <b>INCOME</b>                               |             |             |             |             |             |             |             |             |             |             |             |             |                          |             |             |             |             |
| Trinity College                             | 5000        | 1000        | 1000        | 1000        | 1000        | 1000        | 2000        | 2000        | 2000        | 2000        | 2000        | 2000        | 2000                     | 2000        | 2000        | 2000        | 2000        |
| Other Donors[1]                             | 10          | 0           | 2           | 15          | 21          | 19          | 28          | 41          | 81          | 113         | 44          | 317         | 296                      | 262         | 262         | 195         | 129         |
| Newton Bursaries Endowment Fund[1]          | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 161         | 223                      | 233         | 243         | 253         | 260         |
| Dividends and interest                      | 606         | 873         | 834         | 876         | 663         | 575         | 660         | 712         | 623         | 640         | 626         | 616         | 760                      | 681         | 639         | 639         | 672         |
| <b>TOTAL INCOME</b>                         | <b>5616</b> | <b>1873</b> | <b>1836</b> | <b>1891</b> | <b>1684</b> | <b>1594</b> | <b>2688</b> | <b>2753</b> | <b>2704</b> | <b>2753</b> | <b>2670</b> | <b>3094</b> | <b>3279</b>              | <b>3176</b> | <b>3144</b> | <b>3087</b> | <b>3060</b> |
| <b>EXPENDITURE</b>                          |             |             |             |             |             |             |             |             |             |             |             |             |                          |             |             |             |             |
| Total Trust expenditure on Bursaries[1]     | 0           | 73          | 141         | 175         | 216         | 257         | 310         | 357         | 334         | 396         | 754         | 633         | 900                      | 890         | 880         | 880         | 880         |
| CTO Schemes                                 | 0           | 0           | 0           | 0           | 47          | 76          | 98          | 125         | 130         | 128         | 80          | 149         | 160                      | 160         | 160         | 160         | 160         |
| Domestic Research Studentships              | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 75          | 75          | 75          | 75                       | 75          | 0           | 0           | 0           |
| UK Research Students Scheme                 | 0           | 0           | 0           | 0           | 0           | 9           | 50          | 56          | 46          | 47          | 104         | 117         | 130                      | 130         | 65          | 0           | 0           |
| Time-Limited Fellowships Scheme             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 52                       | 100         | 100         | 100         | 100         |
| European Research Studentships Scheme (CET) | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 58          | 200                      | 200         | 200         | 200         | 200         |
| Community-related grants scheme             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 18          | 25                       | 25          | 25          | 25          | 25          |
| Other grants (mainly research)[2]           | 19          | 276         | 1077        | 1224        | 1530        | 1385        | 1368        | 1358        | 1700        | 2356        | 1492        | 1144        | 3200                     | 2333        | 1599        | 955         | 638         |
| Administration                              | 10          | 12          | 21          | 46          | 46          | 46          | 70          | 57          | 66          | 66          | 70          | 97          | 110                      | 110         | 110         | 110         | 110         |
| <b>TOTAL EXPENDITURE[2]</b>                 | <b>29</b>   | <b>361</b>  | <b>1239</b> | <b>1445</b> | <b>1839</b> | <b>1773</b> | <b>1896</b> | <b>1953</b> | <b>2276</b> | <b>3068</b> | <b>2575</b> | <b>2291</b> | <b>4852</b>              | <b>4023</b> | <b>3139</b> | <b>2430</b> | <b>2113</b> |
| Gain/Loss on investments                    | 17          | 57          | -12         | 592         | 2341        | -1857       | 921         | 325         | 528         | 708         | 831         | 329         | 0                        | 0           | 0           | 0           | 0           |
| Balance at end of year                      | 5604        | 7173        | 7758        | 8796        | 10982       | 8946        | 10659       | 11784       | 12740       | 13133       | 14059       | 15191       | 13618                    | 12771       | 12775       | 13432       | 14379       |

[1] For details see Isaac Newton Trust Bursary Scheme (Bursaries Table), which also shows *net* cost of Bursaries to General Fund.

[2] In year ended 31.1.99, includes £1m endowment grant to the Isaac Newton Institute for Mathematical Sciences.

|  |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |
|--|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|
| Aggregate balance at end of year in Special Funds[3] | 1615 | 4897 | 6512 | 6585 | 7043 |  |  |  |  |  |  |  |  |  |  |  |  |
|--|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|

[3] These totals are included for completeness. The Special Funds are kept separate from the General Fund (and are not included in the totals above). For detail of the Special Funds see the Bursaries Endowment Fund, and the Green Tables, Grants A, B and C.

## RESEARCH GRANTS APPROVED 2000-2001

### POLICY

The policy of the Trust in relation to Research Grants is summarised in its Guidelines to Applicants. The key features of those Guidelines during 2000/2001 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, covering many departments and faculties across the humanities and sciences.*
- *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 £14,000 per annum for no more than 5 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 younger academics.*
- *The Trustees do not in their own right seek funds from outside (the only exception being the scheme of Newton Bursaries for undergraduates). 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.*

These guidelines reflected a wish by the Trustees to be a little more flexible than hitherto in inviting applications that do not meet the usual matching requirement. In addition a cost-of-living increase was applied under the Additional Appointments scheme (making £14,000 per annum), and the guidelines for equipment grants were modified.

## GRANTS AWARDED

The following grants (totalling £3.3 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 or Green Table). If the matching requirement associated with each grant is achieved, the total matching sum associated with these grants will be £2.6 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.

*Anglo-Saxon, Norse and Celtic:* A grant for three years under the Additional Appointments scheme towards the salary of a post to provide teaching in Scandinavian history and culture during the Viking age. Exceptionally, in this instance, the Trustees agreed to extend an earlier five-year grant in view of the strength of the academic case.

*Applied Mathematics and Theoretical Physics:* Under the Additional Appointments scheme, a grant for two years towards the stipend and associated costs of a postdoctoral researcher to work with Dr John Lister on a project entitled 'Breakup and recoil of drops and jets'.

*Applied Mathematics and Theoretical Physics:* A grant for one year under the Additional Appointments scheme towards the salary of Dr Christopher Warner to enable him to develop and implement a course of computer-aided learning of mathematics for Part IB of the Natural Sciences Tripos in 2001-02. The grant is to underwrite a wider application to the Cambridge-MIT Institute.

*Applied Mathematics and Theoretical Physics:* A grant for three years towards the stipends of Dr Aisling Marie Metcalfe and a research student to work with Professor T J Pedley on a project supported by the EU entitled 'Nutrient transport and plankton interactions in turbulent flow'.

*Biochemistry and allied Departments:* A grant towards the replacement of obsolete equipment used in the first year Biology of Cells practical course.

*Centre for Research in the Arts, Humanities and Social Sciences:* A substantial grant totalling £1 million over a period of five years, towards the establishment of an interdisciplinary research centre in Cambridge.

*Chemical Engineering:* Under the Additional Appointments scheme, a grant for 18 months towards the salary and associated costs of Mr A T Harris to work with Professor J F Davidson and Dr R Thorpe on a project entitled 'Response and dynamic modelling of circulating fluidised bed boilers' under the DTI Cleaner Coal Technology Research and Development Programme.

*Classics:* A grant for five years under the Additional Appointments scheme towards the salary of a Senior Language Teaching Officer, and a grant for three years under the Additional Appointments scheme towards the salary of two Research Assistants. This group are to work on a new initiative for the provision of language teaching involving the preparation of web-based teaching materials in particular for students taking *ab initio* Latin or Greek.

*Computer Laboratory:* A grant for five years (approved by the Vice-Chancellor from Special Donation B1) to help establish a new lectureship in Systems Modelling and associated also with the Department of Pure Mathematics and Mathematical Statistics.

*CUSU:* A grant towards the short-fall in printing costs of 'The Little Black Book', a student publication intended to stimulate applications for undergraduate places at Cambridge from black students.

*Engineering:* A grant for three years under the Additional Appointments scheme towards the salary and associated costs of Ms Sandra Rodil to work with Professor W Milne on the project entitled 'Scanning tunneling microscopy of ultrathin diamond like carbon overcoats for magnetic disk applications'.

*Geography:* A grant for four years (approved by the Vice-Chancellor from Special Donation B1) under the Additional Appointments scheme towards the stipend of a postdoctoral research worker to work with the newly-appointed Professor R P Haining.

*Geography:* A grant for three years in conjunction with Newnham College towards the salary of Dr Elizabeth Watson as a Temporary Assistant Lecturer.

*Geography:* A grant for two years under the Additional Appointments scheme towards the salary of Dr Harriet Bulkeley to work on the project entitled 'Cities and climate protection: the world turned upside down'.

*History:* A grant for one year towards the salary of Dr Judith Everard to work with Professor Sir James Holt on a project entitled 'Acts of the Plantagenets 1152-1204'.

*Isaac Newton Institute of Mathematical Sciences:* An additional grant towards the running costs of the Institute, the additional grant to be coterminous with existing Trust support for the activities of the Institute.

*Language Centre:* A grant over two years towards the costs of Stage I of the 'Languages at your fingertips' project. The Language Centre is seeking to establish an ambitious collaboration with the BBC to make web-based teaching facilities. These will be available both in Cambridge and elsewhere. Stage I is concerned with the study of French and German.

*Law:* A grant for two years towards the salary of the Deputy Director of the Centre for European Legal Studies (Dr Christophe Hillion).

*Materials Science and Metallurgy:* Under the Additional Appointments scheme, a grant for three years towards the stipend and associated costs of Dr Duncan MacLachlan to work with Dr D Knowles on a project entitled 'Multiaxial creep of single crystals'.

*Materials Science and Metallurgy:* A substantial grant towards the purchase of a Nano-analytical transmission electron microscope, together with an interest-free loan for the same purpose. The microscope is intended to provide a valuable facility for several science and engineering departments.

*Oriental Studies:* A grant for five years towards the stipends of a University Lecturer and a postdoctoral post in Turkish, together with the creation of a supernumary CTO-scheme post for Dr Kate Fleet of the Skilliter Centre in Newnham College.

*Oriental Studies:* A seed-corn grant to provide bursaries for students undertaking placements in China as an essential part of the newly-funded MPhil in Chinese Studies.

*Pathology:* A grant for two years for consultant costs and consumables for a project entitled 'Canine oral papillomavirus infection – a model for human disease' to be undertaken by Dr Margaret Stanley.

*Pathology:* A grant for one year towards the salary, consumables and equipment for Dr Allan Richards to work on the third year of a project entitled 'Clinical and molecular genetic analysis of Stickler syndrome'. The work to be performed by Dr Richards is part of a wider collaboration also involving the Veterinary School.

*Plant Sciences:* A grant to purchase and construct a PP Systems 10 chamber whole plant infra-red gas analyser for the project undertaken by Dr Alex Webb entitled 'Measurement of plant clocks'.

*Physics:* A grant for five years under the Additional Appointments scheme towards the salary of Dr Emma Pugh to work on the project entitled 'Novel quantum order and unconventional superconductivity'.

*Physics:* A grant for five years under the Additional Appointments scheme towards the costs of an Assistant Director of Research to work with Professor G Lonzarich on the study of complex quantum matter.

*Psychiatry:* A grant for five years under the Additional Appointments scheme towards the salary of a Senior Research Associate (Dr Philip Taylor) to work with Dr Felicia Huppert on the project entitled 'Positive well-being in later life'.

*Pure Mathematics and Mathematical Statistics:* A grant and loan (from Special Donation B1) in connection with the recruitment of a new Kuwaiti Professor of Number Theory and Algebra. This grant was not taken up.

*University Library:* A grant for two years to the University Library Ensemble Project to enable the University Library to convert records for its music collections into electronic form.

*Zoology:* A grant towards the purchase of equipment to provide a cell and molecular facility for the study of animal development, function and diversity.

*Zoology:* A grant over 18 months towards the salary of a post-doctoral research assistant to work with Dr Jennifer Clack on a project entitled '*Ichthyostega* revealed: anatomy, systematics, phylogeny, sedimentary and faunal contexts, and its true place in tetrapod origins'.

*Zoology:* A grant towards the salary and associated costs of a Research Associate (Dr Gabriela Durcova-Hills) to work with Dr Anne McLaren on a project entitled 'Genomic imprinting in sex-reversed mice'.

## **RECURRENT TRUST SCHEMES**

### **NEWTON TRUST BURSARIES FOR UK UNDERGRADUATES**

#### **Aims and objectives**

The scheme of Newton Trust Bursaries for UK Undergraduates was set up in response to the freezing, and progressive phasing out of student grants and 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.

#### **Policy**

The Trust has received several Special Donations from Trinity College toward the endowment of the Bursary scheme. In addition the scheme has been supported on a recurrent basis by several sponsors and by a donation of £1 million phased over seven years from a private donor.

In the light of these donations, the Trustees agreed to expand the bursary scheme substantially. A guarantee was offered 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 £900, 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 was borne in part by Colleges: in particular the six better endowed Colleges agreed to contribute 50 per cent of the costs of the awards to their students; the nine 'middle' Colleges 25 per cent of such costs; and the thirteen least well endowed Colleges 6.7 per cent of such costs.

The finances of the expanded bursary scheme are shown in Table 2 (which includes the Newton Bursaries Endowment Fund, established to receive the Trinity College Special Donations earmarked for endowment of Bursaries).

As a condition of his gift, the private donor required that a long-term evaluation of the bursary scheme should be undertaken. The University's School of Education has agreed to perform this task and the private donor has made a donation of some £300,000 over 10 years to fund the associated costs.

In addition the Trust agreed, after discussion with the private donor, to set up a scheme of offering contributions to community-related undergraduate projects with preference being given to bursary-holders. Some 96 awards were made under this scheme at a total cost of £22,500.

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.

## ISAAC NEWTON TRUST BURSARY SCHEME (£000's)

## (a) Receipts and Expenditure account (actual and estimated)

| Year ended 31.1  | Actual    |            |            |            |            |            |            |            |            |            |            | Projected (at 5% return) |             |             |             |             |
|--|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------------------|-------------|-------------|-------------|-------------|
|  | 1991      | 1992       | 1993       | 1994       | 1995       | 1996       | 1997       | 1998       | 1999       | 2000       | 2001       | 2002                     | 2003        | 2004        | 2005        | 2006        |
| Newton Bursaries Endowment Fund                        | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 161        | 223                      | 233         | 243         | 253         | 260         |
| Private donor (1)                                      | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 67         | 200                      | 200         | 200         | 133         | 67          |
| Evaluation   |           |            |            |            |            |            |            |            |            |            | 133        | 25                       | 25          | 25          | 25          | 25          |
| Clifford Chance  | 0         | 2          | 8          | 10         | 10         | 14         | 1          | 37         | 18         | 18         | 25         | 34                       | 0           | 0           | 0           | 0           |
| Hinduja Foundation                                     | 0         | 0          | 7          | 8          | 9          | 11         | 15         | 14         | 30         | 0          | 15         | 15                       | 15          | 15          | 15          | 15          |
| Mitsubishi Corporation                                 | 0         | 0          | 0          | 3          | 0          | 2          | 0          | 3          | 0          | 0          | 0          | 0                        | 0           | 0           | 0           | 0           |
| Armourers and Braziers Gauntlet Trust                  | 0         | 0          | 0          | 0          | 0          | 1          | 1          | 1          | 1          | 1          | 1          | 2                        | 2           | 2           | 2           | 2           |
| Malaysian Commonwealth Bursaries                       | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 40         | 0          | 20         | 20                       | 20          | 20          | 20          | 20          |
| Eagle Star (BAT Industries)                            | 0         | 0          | 0          | 0          | 0          | 0          | 25         | 25         | 25         | 25         | 0          | 0                        | 0           | 0           | 0           | 0           |
| Voluntary contribution from Colleges (for 00-01)(2)    | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 55         | 0                        | 0           | 0           | 0           | 0           |
| General Fund (net cost)                                | 73        | 139        | 160        | 195        | 238        | 282        | 315        | 254        | 282        | 710        | 156        | 381                      | 395         | 375         | 432         | 491         |
| <b>TOTAL TRUST EXPENDITURE ON BURSARIES (actual)</b>   | <b>73</b> | <b>141</b> | <b>175</b> | <b>216</b> | <b>257</b> | <b>310</b> | <b>357</b> | <b>334</b> | <b>396</b> | <b>754</b> | <b>633</b> | <b>900</b>               | <b>890</b>  | <b>880</b>  | <b>880</b>  | <b>880</b>  |
| College contributions (3)                              | 0         | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 180        | 220                      | 210         | 200         | 200         | 200         |
| Trinity, Caius and St John's (own schemes - estimated) | 20        | 35         | 45         | 50         | 60         | 90         | 90         | 90         | 100        | 140        | 140        | 200                      | 220         | 240         | 240         | 240         |
| <b>TOTAL EXPENDITURE ON BURSARIES (Estimated)</b>      | <b>93</b> | <b>176</b> | <b>220</b> | <b>266</b> | <b>317</b> | <b>400</b> | <b>447</b> | <b>424</b> | <b>496</b> | <b>894</b> | <b>953</b> | <b>1320</b>              | <b>1320</b> | <b>1320</b> | <b>1320</b> | <b>1320</b> |

## (b) Newton Bursaries Endowment Fund

|   |                   |  |  |  |  |  |  |  |  |      |      |      |      |      |      |      |      |
|---|-------------------|--|--|--|--|--|--|--|--|------|------|------|------|------|------|------|------|
| Balance at start of year                          |                   |  |  |  |  |  |  |  |  | 2078 | 3211 | 4461 | 4661 | 4861 | 5061 | 5194 |      |
| Donations   | Trinity College   |  |  |  |  |  |  |  |  | 2000 | 1000 | 1205 | 200  | 200  | 200  | 133  | 67   |
|   | Private donor (1) |  |  |  |  |  |  |  |  |      | 67   | -67  | 0    | 0    | 0    | 0    | 0    |
|   | Cambridge Society |  |  |  |  |  |  |  |  |      |      | 5    |      |      |      |      |      |
| Dividends and interest                            |                   |  |  |  |  |  |  |  |  | 45   | 115  | 153  | 223  | 233  | 243  | 253  | 260  |
| Gain/Loss on investments                          |                   |  |  |  |  |  |  |  |  | 33   | -49  | 115  | 0    | 0    | 0    | 0    | 0    |
| Transfer to Receipts and Expenditure account (5%) |                   |  |  |  |  |  |  |  |  |      | 0    | -161 | -223 | -233 | -243 | -253 | -260 |
| Balance at end of year                            |                   |  |  |  |  |  |  |  |  | 2078 | 3211 | 4461 | 4661 | 4861 | 5061 | 5194 | 5261 |

(1) 67 from Private donor credited to Newton Bursaries Endowment Fund 1999/2000; but was intended to be spent, so transferred to Receipts and Expenditure account 2000/2001.

(2) These voluntary contributions made in 2000-2001 relate to bursaries paid in 1999-2000.

(3) These 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.

### Results of the 2000-01 Bursary allocation

All eligible applicants were awarded a bursary on a sliding scale up to £900 thereby meeting the Trust's guarantee. The number of awards made, excluding Trinity and Gonville & Caius who operate their own schemes, is given below (1999-00 and 1998-99 figures in parenthesis):

- of the total **1456** applications for bursaries (new and renewals), **166** were deemed ineligible to receive support;
- **1290** (971) (781) bursaries were awarded at a total cost of about **£867,000** (£720,000) (£400,000);
- the cost to the Trust net of College contributions was about **£687,000**.

Numbers of bursaries increased by 33%; and costs by only 20% in a year when grants were being phased out. The reason for the reduction in the average bursary amount was primarily that a steeper taper (based on fee remission rather than the grant) was used.

An estimate of the total cost of bursaries with Trinity and Gonville & Caius included is shown in Table 2.

Numbers and costs of awards by College are shown in Table 3.

TABLE 3

**Isaac Newton Trust  
Bursaries for UK Undergraduates 2000-01**

| <i>College</i>         | <i>No of awards</i> | <i>Total cost of awards<br/>£k</i> | <i>percentage of total costs<br/>paid by College<br/>%</i> |
|------------------------|---------------------|------------------------------------|--|
| Christ's College       | 36                  | 29                                 | 25   |
| Churchill College      | 49                  | 34                                 | 25   |
| Clare College          | 51                  | 30                                 | 25   |
| Corpus Christi College | 38                  | 29                                 | 25   |
| Downing College        | 39                  | 25                                 | 6.6  |
| Emmanuel College       | 38                  | 28                                 | 50   |
| Fitzwilliam College    | 70                  | 42                                 | 6.6  |
| Girton College         | 82                  | 58                                 | 25   |
| Hughes Hall            | 7                   | 5                                  | 6.6  |
| Jesus College          | 59                  | 38                                 | 50   |
| King's College         | 56                  | 36                                 | 50   |
| Lucy Cavendish College | 25                  | 19                                 | 6.6  |
| Magdalene College      | 45                  | 32                                 | 6.6  |
| New Hall               | 72                  | 53                                 | 6.6  |
| Newnham College        | 94                  | 64                                 | 25   |
| Pembroke College       | 77                  | 49                                 | 6.6  |
| Peterhouse             | 35                  | 26                                 | 25   |
| Queens' College        | 66                  | 42                                 | 6.6  |
| Robinson College       | 66                  | 43                                 | 6.6  |
| St Catharine's College | 72                  | 52                                 | 6.6  |
| St Edmund's College    | 19                  | 9                                  | 6.6  |
| St John's College      | 96                  | 55                                 | 50   |
| Selwyn College         | 29                  | 18                                 | 6.6  |
| Sidney Sussex College  | 47                  | 31                                 | 25   |
| Trinity Hall           | 21                  | 14                                 | 25   |
| Wolfson College        | 8                   | 7                                  | 6.6  |
| <b>Total</b>           | <b>1290</b>         | <b>867</b>                         |  |

|                              |                 |
|------------------------------|-----------------|
| <b>Total cost of awards</b>  | <b>£867,000</b> |
| <b>College contributions</b> | <b>£180,000</b> |
| <b>Net cost to the Trust</b> | <b>£687,000</b> |

|  |            |             |                 |
|--|------------|-------------|-----------------|
| <b>Total number of New awards (across all years)</b> | <b>626</b> | <b>Cost</b> | <b>£420,000</b> |
| <b>Total number of Renewals (across all years)</b>   | <b>664</b> | <b>Cost</b> | <b>£447,000</b> |

## NEWTON AWARDS FOR UK RESEARCH STUDENTS

### Aims and objectives

The scheme aims to encourage a greater number of United Kingdom students with outstanding academic records and research potential to study for the degree of PhD at Cambridge. The awards supplement the maintenance allowances available under the usual British studentships.

### Policy

There are two types of award:

- **Shared-Cost Newton Awards for UK Research Students** of a value of £1,500 per annum, each of up to three years' tenure, subject to satisfactory academic progress by the student. The awards are funded on a fifty:fifty basis by the Newton Trust and by industrial and commercial sponsors outside Cambridge.
- **General Newton Awards for UK Research Students**, each of a value of £750, also of up to three years' tenure, subject to satisfactory academic progress, the whole amount to be provided by the Newton Trust. These awards are offered to students in Departments and Faculties where the prospects of sponsorship are remote, but where the academic arguments for encouraging research are strong.

Some earmarked awards are offered to individual Departments and Faculties; other non-earmarked awards are allocated to Departments and Faculties by Councils of Schools at their discretion.

External events in relation to the funding of UK and EU PhD students moved rapidly during the year with a decision by the Engineering and Physical Science Research Council to introduce Doctoral Training Accounts from October 2001. These Accounts provide departments with flexibility in awarding maintenance to their Research Students; on the other hand they contain no explicit provision for payment of College fees. Cambridge was permitted to opt-out of these new arrangements. The School of Technology asked the Trust to devise arrangements to provide flexibility for departments within the current arrangements so as to preserve the College fee. The Trust responded positively to this request. In the event the Trust's offer was not taken up since the University Council decided that it would adopt the new EPSRC arrangements with effect from October 2001.

### New awards 2000-2001

**70 Shared-Cost Awards** and **16 General Awards** were offered in 2000-2001 as follows:

#### *Earmarked Shared-Cost Awards*

|                                  |   |                                       |           |
|----------------------------------|---|---------------------------------------|-----------|
| Biochemistry                     | 3 | Classics                              | 1         |
| Chemical Engineering             | 3 | Divinity                              | 2         |
| Chemistry                        | 8 | Economics                             | 2         |
| Computer Laboratory              | 2 | English                               | 1         |
| Earth Sciences                   | 1 | History                               | 1         |
| Engineering                      | 4 | History and Philosophy of Science     | 1         |
| Geography                        | 2 | Land Economy                          | 1         |
| Materials Science and Metallurgy | 2 | Social and Political Sciences         | 1         |
| Physics                          | 2 | Unilever Centre for Molecular Science | 2         |
| Zoology                          | 1 | Informatics                           |           |
|                                  |   | <b>Total</b>                          | <b>40</b> |

*Earmarked General Awards*

|           |   |                                   |          |
|-----------|---|-----------------------------------|----------|
| Education | 1 | History and Philosophy of Science | 1        |
| English   | 2 | Law                               | 1        |
| History   | 1 | Modern and Medieval Languages     | 2        |
|           |   | Philosophy                        | 1        |
|           |   | <b>Total</b>                      | <b>9</b> |

*Additional non-earmarked Awards*

|  | Shared-Cost Awards | General Awards |
|--|--------------------|----------------|
| School of the Physical Sciences          | 10                 |                |
| School of the Biological Sciences        | 8                  |                |
| School of Technology                     | 4                  |                |
| School of Arts and Humanities            | 5                  | 3              |
| School of Humanities and Social Sciences | 3                  | 4              |
| <b>Total</b>                             | <b>30</b>          | <b>7</b>       |

By the end of February 2001, 36 Shared-Cost awards, and 14 General Awards had been taken up, representing a 58% take-up of the awards.

## COLLEGE TEACHING OFFICER (CTO) SCHEMES

### Aims and objectives

The aims of these schemes are 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, and to achieve these aims through a scheme that is simple to operate. Tenure in these posts is limited to a maximum of ten years.

The original scheme established in 1992 operates across faculties, though in practice most posts are in the Humanities. The new Norton Rose scheme established in 1999 is part-funded by City solicitors Norton Rose and operates only in the Faculty of Law.

### Summary of awards 2000-2001

#### Main scheme

**Thirty-two** awards have been made under the first and second phases of this scheme as follows:

- Classics (2)
- Economics (1)
- English (7)
- History (6)
- History and Archaeology and Anthropology (1)
- Law (4)
- Mathematics (3)
- Modern and Medieval Languages (5)
- Physics and Chemistry (1)
- Social and Political Sciences (1)
- Social and Political Sciences and History and Philosophy of Science (1)

**One** additional (supernumary) award has been made to the Faculty of Oriental Studies (Turkish).

**Thirty-two** of these awards are currently filled and **one** is vacant (Mathematics).

A list of present holders of awards is given in Table 4 below.

The cost of the CTO scheme for the academic year 1999-2000 was **£101,532** – £84,311 to Colleges and £17,221 to the University. The final payment to the University under this scheme will be made in 2001.

#### Norton Rose scheme

Also shown in Table 4 are those appointed under the parallel scheme operated by the Faculty of Law with (half) sponsorship from Norton Rose. The latter scheme has two kinds of post, '25% posts' (the same as the CTO scheme) and also '50% posts' where duties and payments are approximately double those under the CTO scheme. Seven posts have been filled under the Norton Rose scheme. The cost to the Trust of the Norton Rose scheme in 1999-2000 was **£7,206**.

**Recent changes:**

Several new appointments and reappointments arose during the year:

Faculty of English

**Dr R Douglas-Fairhurst**, Emmanuel, appointed for 5 years from 1 October 2001 (following completion of temporary appointment as Assistant Lecturer in the Faculty of English, funded from the Judith E Wilson Fund).

**Dr R Lyne**, New Hall, appointed for 5 years from 1 October 2000.

**Dr N Zeeman**, King's, appointed for 5 years from 1 October 2000.

**Dr Caroline Gonda**, Girton, has been granted leave for the 2001-02 academic year and payment will therefore be suspended for one year. Dr Gonda's tenure in the post has been extended from 30 September 2003 to 30 September 2004.

Faculty of History

**Dr H R Castor**, Sidney Sussex, appointed for 5 years from 1 October 2000.

**Dr R O'Hanlon**, Clare, appointed for 5 years from 1 October 2000.

**Dr S G N Tuck**, Gonville & Caius, appointed for 2 years from 1 October 2000.

Faculty of Law

**Dr M Dougan**, Downing, appointed for 3 years from 1 October 2000.

**Dr C A Seville**, Newnham, reappointed for 3 years from 1 October 2000.

Faculty of Mathematics

**Dr Sophia Demoulini**, Downing, appointed for 5 years from 1 January 2001.

Faculty of Modern and Medieval Languages

**Dr J Guthrie** (German), New Hall, appointed for 5 years from 1 October 2000.

**Dr I James** (French), Downing, appointed for 5 years from 1 October 2000.

Department of Physics

**Dr Julia Riley**, Girton, reappointed for 3 years from 1 October 2001.

Department of Social Anthropology

**Dr Barbara Bodenhorn**, Pembroke and Girton, appointed for 5 years from 1 October 2001.

Faculty of Social and Political Sciences and Department of History and Philosophy of Science

**Dr Deborah Thom**, Robinson, reappointed for 3 years from 1 October 2000.

In addition the following appointments proposed by the Faculty of Law under the Norton Rose Scheme were approved:

**Dr N McBride**, Pembroke, retrospectively for 3 years from 1 October 1999, on a 50% basis.

**Dr A Allbors-Llorens**, Girton, retrospectively for 3 years from 1 October 1999, on a 25% basis from October 1999-October 2000, and then a 50% basis from October 2000.

**Dr Jennifer Davis**, Wolfson, for 5 years from 1 October 2000 on a 25% basis.

**Dr Keechang Kim**, Selwyn, for 2 years from 1 October 2000 on a 25% basis.

**Ms Jo Miles**, Trinity, for 3 years from 1 October 2000 on a 25% basis.

**Dr E Spaventa**, New Hall, for 3 years from 1 October 2000 on a 50% basis.

**TABLE 4 : Present holders of CTO appointments**

| Name              | Title | Initials   | Faculty                       | No     | College                      | Start of tenure        | End of tenure          |
|-------------------|-------|------------|-------------------------------|--------|------------------------------|------------------------|------------------------|
| Baert             | Dr    | P J N      | Social and Political Sciences | 1 of 1 | New Hall (and King's)        | 1.10.1998              | 30.9.2003              |
| Bodenhorn         | Dr    | Barbara    | Social Anthropology           | 1 of 1 | Pembroke (and Girton)        | 1.10.2001              | 30.9.2006              |
| Brookes           | Dr    | C J B      | Mathematics                   | 1 of 3 | Corpus Christi               | 1.10.1998              | 30.9.2003              |
| Castor            | Dr    | H R        | History                       | 3 of 6 | Sidney Sussex                | 1.10.2000              | 30.9.2005              |
| de Bolla          | Dr    | Peter      | English                       | 7 of 7 | King's                       | 1.10.1996<br>1.10.1998 | 30.9.1997<br>30.9.2003 |
| Demoulini         | Dr    | S          | Mathematics                   | 3 of 3 | Downing                      | 1.1.2001               | 30.9.2006              |
| Dörrzapf          | Dr    | Matthias   | Mathematics                   | 2 of 3 | St John's                    | 24.04.01               | 30.3.2006              |
| Dougan            | Mr    | Michael    | Law                           | 4 of 4 | Downing                      | 1.10.2000              | 30.9.2003              |
| Douglas-Fairhurst | Dr    | R          | English                       | 1 of 7 | Emmanuel                     | 1.10.2001              | 30.9.2006              |
| Fleet             | Dr    | Kate       | Oriental Studies (Turkish)    |        | Newnham                      | 1.1.2001               | 30.9.2006              |
| Ford              | Dr    | J D        | Law                           | 1 of 4 | Gonville & Caius             | 1.10.1996              | 30.9.2001              |
| Gonda             | Dr    | Caroline   | English                       | 3 of 7 | St Catharine's               | 1.10.1998              | 30.9.2004              |
| Guild             | Dr    | E          | MML                           | 3 of 5 | Robinson                     | 1.10.1996              | 30.9.2001              |
| Guthrie           | Dr    | J          | MML                           | 1 of 5 | New Hall                     | 1.10.2000              | 30.9.2005              |
| James             | Dr    | I          | MML                           | 4 of 5 | Downing                      | 1.10.2000              | 30.9.2005              |
| Khalfa            | Dr    | J          | MML                           | 5 of 5 | Trinity                      | 1.10.1998              | 30.9.2003              |
| Kitson            | Mr    | M          | Economics and Politics        | 1 of 1 | St Catharine's (and Newnham) | 1.10.1996              | 30.9.2001              |
| Lyne              | Dr    | R          | English                       | 5 of 7 | New Hall                     | 1.10.2000              | 30.9.2005              |
| Morgan            | Dr    | B          | MML                           | 2 of 5 | Emmanuel                     | 1.10.1997              | 30.9.2002              |
| O'Hanlon          | Dr    | R          | History                       | 1 of 6 | Clare                        | 1.10.2000              | 30.9.2005              |
| Philips           | Dr    | C          | English                       | 4 of 7 | Downing                      | 1.10.1999              | 30.9.2004              |
| Preston           | Dr    | C E        | English                       | 2 of 7 | Sidney Sussex                | 1.10.1998              | 30.9.2003              |
| Reid              | Dr    | A J        | History                       | 2 of 6 | Girton                       | 1.10.1993<br>1.10.1999 | 30.9.1998<br>30.9.2002 |
| Riley             | Dr    | J          | Physics and Chemistry         | 1 of 1 | Girton                       | 1.10.1996<br>1.10.2001 | 30.9.2001<br>30.9.2004 |
| Scott             | Dr    | J          | History                       | 5 of 6 | Downing                      | 1.10.1993<br>1.10.1998 | 30.9.1998<br>30.9.2001 |
| Seville           | Miss  | C          | Law                           | 2 of 4 | Newnham                      | 1.10.1995<br>1.10.2000 | 30.9.2000<br>30.9.2003 |
| Sutherland        | Dr    | G R        | History                       | 4 of 6 | Newnham                      | 1.10.1996              | 30.9.2001              |
| Tee               | Mrs   | L          | Law                           | 3 of 4 | Lucy Cavendish               | 1.10.1998              | 30.9.2003              |
| Thom              | Dr    | D          | SPS and HPS                   | 2 of 2 | Robinson                     | 1.10.1995<br>1.10.2000 | 30.9.2000<br>30.9.2003 |
| Thompson          | Dr    | D J        | Classics                      | 1 of 2 | Girton                       | 1.10.1992<br>1.10.1998 | 30.9.1998<br>30.9.2001 |
| Tuck              | Dr    | S G N      | History                       | 6 of 6 | Gonville & Caius             | 1.10.2000              | 30.9.2002              |
| Whitmarsh         | Dr    | T J G      | Classics                      | 2 of 2 | St John's                    | 1.10.1999              | 30.9.2004              |
| Zeeman            | Dr    | N          | English                       | 6 of 7 | King's                       | 1.10.2000              | 30.9.2005              |
| <b>VACANT</b>     |       |            | Mathematics                   |        |                              |                        |                        |
| Allbors-Llorens   | Dr    | A          | Law – Norton Rose             |        | Girton                       | 1.10.1999              | 30.9.2001              |
| Davis             | Dr    | Jennifer S | Law – Norton Rose             |        | Wolfson                      | 1.10.2000              | 30.9.2005              |
| Kim               | Dr    | Keechang   | Law – Norton Rose             |        | Selwyn                       | 1.10.2000              | 30.9.2002              |
| McBride           | Dr    | N          | Law – Norton Rose             |        | Pembroke                     | 1.10.1999              | 30.9.2002              |
| Miles             | Ms    | Jo         | Law – Norton Rose             |        | Trinity                      | 1.10.2000              | 30.9.2003              |
| Rotherham         | Dr    | C          | Law – Norton Rose             |        | Gonville and Caius           | 1.10.2000              | 30.9.2003              |
| Spaventa          | Dr    | E          | Law – Norton Rose             |        | New Hall                     | 1.10.2000              | 30.9.2003              |

## 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 to make up to 25 posts available for young postdoctoral researchers to be elected to teaching Fellowships at the less well-endowed Colleges. 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 toward the overheads involved.

### Appointments made

In the event some 11 posts were taken up in the first round of applications. The Trustees have approved the appointment of the persons in Table 5 below. They have also agreed to advertise a second round of appointments to be filled from October 2001 onwards.

**TABLE 5 : Persons approved for the Time-Limited Teaching Fellowships Scheme**

| College        | Bidding for                                       | Subject                                      |
|----------------|---|--|
| Hughes Hall    | Clive Smallman<br>Carole Sargent                  | Management Studies<br>Pathology              |
| Lucy Cavendish | Charlotte Dargie                                  | Management Studies                           |
| New Hall       | Carla Molteni                                     | Physics                                      |
| Queens'        | James Campbell                                    | Architecture                                 |
| Robinson       | Stephen Padley                                    | English                                      |
| St Edmund's    | Caroline Blyth<br>Nicola McCarthy<br>Ann Kaminski | English<br>Clinical Medicine<br>Biochemistry |
| Selwyn         | Daniel A Beauregard                               | Biochemistry                                 |
| Wolfson        | Paul Cornish                                      | International Studies                        |

## **GRANTS MADE TO OTHER BODIES**

### **DOMESTIC RESEARCH BURSARIES**

#### **Aims and objectives**

To award research scholarships to the best 'home' (i.e. UK and EU) students who, because of cuts in public funding, failed to gain support from public sources such as the Research Councils and the AHRB.

#### **Policy**

The Newton Trust agreed in 1997 to contribute £75,000 per annum for five years to a University-wide scheme, thus adding to other sources of funds available. The awards are made by the General Board's Committee on Awards.

The Trustees intend to review their contribution to this scheme in 2001.

#### **Grants awarded**

In 2000 some 33 new awards were made by the General Board's Committee.

### **NEWTON EUROPEAN RESEARCH BURSARIES**

#### **Aims and objectives**

The aims and objectives of this new 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, both University and College, but not, at present, for maintenance.)

#### **Policy**

The Trustees agreed to make a donation to the Cambridge European Trust totalling £600,000 to be spread over five years 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.

The Trustees further agreed to review the scheme in 2001 and to consider providing a further donation of £400,000 for the same purpose.

#### **Grants awarded**

The Cambridge European Trust made some 61 awards (totalling £122,000) under this scheme to research students in 2000-01.

## SPECIAL DONATIONS FROM TRINITY COLLEGE

Since 1996 the Trust has received several Special Donations from Trinity College for earmarked purposes. The earmarked donations to the Bursary Scheme (1998 and 1999) are included in the Bursary Scheme report (pages 10-12). Spending from the other Special Donations is discussed below.

*A financial summary of these other Special Donations is given in Appendix 2 (Green table, Donations A, B and C).*

### A. Special Donation of £1.615m (1996) towards major University building projects (Donation A)

The Trustees have made grants under this initiative, including accrued interest, as follows:

|   |                   |
|---|-------------------|
| • A new building for the Faculty of Divinity  | £300,000          |
| • Remodelling and Refurbishment, Raised Faculty Building  | £515,000          |
| • Mathematics Faculty relocation to Clarkson Road   | £500,000          |
| • Department of Engineering for additional accommodation in Trumpington Street ( <i>and see Donation B2 below</i> ) | £300,000          |
| • New accommodation for the Institute of Criminology  | £300,000          |
| <b>TOTAL</b>  | <b>£1,915,000</b> |

The first four grants have been paid; and the fifth is in abeyance.

### B. Special Donation of £1.5m (1997) towards major University projects, buildings or other purposes (Donation B)

The Trustees agreed in 1998 to the use of this Special Donation as follows:

- That £1 million should be deployed in conjunction with the University's Strategic Planning Reserve Fund on the recommendation of the Vice-Chancellor and subject to the condition that payments by the Trust in any year are at least matched by an equal contribution to the Fund in that year from the University or from other donors (**Donation B1**). The money could thereby be used not only for buildings but for recruitment of senior personnel, laboratory refurbishment etc.
- That the remaining £0.5 million, together with interest earned on the total allocation, should be deployed for urgent capital purposes in the University, to be notified by the Vice-Chancellor to the Trustees (**Donation B2**).

The following grants have been approved:

#### Donation B1:

|   |                 |
|---|-----------------|
| • Relocation of the Department of Biochemistry, Part I Teaching Laboratory  | £200,000        |
| • Department of Genetics, additional Research Accommodation   | £150,000        |
| • Department of Plant Sciences: phased programme of refurbishment of the Department's teaching and research accommodation | £150,000        |
| • Department of Geography: Research Associate Support   | £48,000         |
| • Department of Pure Mathematics and Mathematical Statistics: Kuwait Chair of Number Theory                               | £250,000        |
| • Computer Laboratory: Lectureship in Systems Modelling   | £125,000        |
| <b>TOTAL</b>  | <b>£923,000</b> |

The grants to Biochemistry and Plant Sciences have been paid. The grant to the Department of Mathematics and Mathematical Statistics has fallen through.

Some £0.3m of Donation B1 is presently unallocated.

**Donation B2:**

|   |                 |
|---|-----------------|
| • Centre for Atmospheric Chemistry, refurbishment   | £150,000        |
| • Department of Engineering, for additional accommodation in Trumpington Street   | £200,000        |
| • Computer Laboratory as ‘enabling money’ towards the cost of building a new Computer Laboratory at West Cambridge                              | £200,000        |
| • Department of Applied Mathematics and Theoretical Physics, refurbishment of laboratory, to meet part of the condition of a successful JIF bid | £250,000        |
| <b>TOTAL</b>  | <b>£800,000</b> |

The grant to Engineering and the first of five instalments of the grant to Applied Mathematics have been paid.

**C. Special Donation of £1.5m (1997) to provide Hardship Funds for Students at less well endowed Colleges (Donation C)**

The Trustees agreed in July 1999 to distribute this Special Donation of £1.5 million, together with the accrued interest, as capital endowment payments in five annual instalments of some **£400,000** to the thirteen least well-endowed Colleges, sharing the money out on the basis of a formula that takes account of College wealth and undergraduate student numbers. It is a condition that Colleges obtain matching money either to match the donations by way of endowment on a 50:50 basis, or to match the annual income from the endowment with donations by way of income obtained from benefactors on a year-by-year basis.

Donations were agreed as follows:

| <i>College</i> | <i>Annual Capital Donation (x5)<br/>£</i> |
|----------------|---|
| Downing        | 30,000                                    |
| Fitzwilliam    | 50,000                                    |
| Hughes Hall    | 25,000                                    |
| Lucy Cavendish | 20,000                                    |
| Magdalene      | 30,000                                    |
| New Hall       | 25,000                                    |
| Pembroke       | 25,000                                    |
| Queens’        | 35,000                                    |
| Robinson       | 50,000                                    |
| St Catharine’s | 30,000                                    |
| St Edmund’s    | 20,000                                    |
| Selwyn         | 20,000                                    |
| Wolfson        | 35,000                                    |

In January 2001 the second instalment of the donation to each College was paid.

## **APPENDIX 1**

**Isaac Newton Trust**

**Accounts**

**for the year ended 31 January 2001**

## APPENDIX 2

### Consolidated list of grants

The following Tables list all the grants that the Trustees have approved. 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    | 1995 | 448 – 496 |
| 1989 | 27 – 94   | 1996 | 497 – 535 |
| 1990 | 95 – 185  | 1997 | 536 – 578 |
| 1991 | 186 – 264 | 1998 | 579 – 621 |
| 1992 | 265 – 322 | 1999 | 622 – 695 |
| 1993 | 323 – 388 | 2000 | 696 – 766 |
| 1994 | 389 – 447 | 2001 | 1.00 –    |

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.