

THE CARNEGIE TRUST
FOR THE UNIVERSITIES OF SCOTLAND

ONE HUNDRED AND THIRD

ANNUAL REPORT

2003-2004

ISSN 0309–3875

THE CARNEGIE TRUST
FOR THE UNIVERSITIES OF SCOTLAND
(Incorporated by Royal Charter)

ONE HUNDRED AND THIRD ANNUAL REPORT

For the year to 30 September 2004

Submitted by the Executive Committee
to the Trustees on 28 February 2005

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THE TRUST'S CONSTITUTION AND POWERS : A SUMMARY

The Trust was incorporated by Royal Charter on 21st August 1902. This Charter was replaced on 10th July 1978 by the present Royal Charter, which, with its By-Laws, governs the operations of the Trust.

The ex-officio Trustees are: the Principals of the Universities of Scotland; the Secretary of State for Scotland; the Lord Provosts of Edinburgh and Glasgow. There are fourteen nominated Trustees, who are elected or re-elected at the Annual Meeting of Trustees. In accordance with the provisions of the Royal Charter and its By-Laws, the administration and management of the Trust are the responsibility of the Executive Committee. This consists of five nominated Trustees and four of the Principals of the Scottish Universities in rotation. Other Principals may attend meetings but may not vote.

Objects of the Trust

By the Royal Charter, one half the net income is to be applied to the improvement and expansion of the Universities of Scotland and one half to the payment of fees of students of Scottish birth or extraction in respect of courses leading to a degree of a Scottish University. The Executive Committee has complete discretion over the disposal of any surplus under either head towards these objectives and may transfer any unexpended income to a reserve fund.

The Trustees are required to constitute an Investment Committee of not less than four members, of whom not less than three shall be persons who are qualified by their ability in and practical experience of financial matters. The Investment Committee keeps the Trust's investments under constant review.

The Trustees' investment powers are governed by the Royal Charter, which permits them to invest in a broad range of investments issued by any government or municipal or public authority authorised to borrow money or any company with limited liability and to invest in property in Scotland, England, Wales and Northern Ireland.

The Executive Committee has constituted an Audit Committee, comprising five Trustees, of whom three shall be nominated Trustees, one an ex-officio Trustee drawn from the Executive Committee and one a nominated Trustee from outside the Executive Group.

Copies of the Royal Charter and of its By-Laws may be obtained from the Secretary of the Trust on payment of a reasonable charge. The charity registration number of the Trust is SCO 15600.

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THE CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND

2003-04

TRUSTEES

Nominated Members of the Trust

Professor Sir David Edward KCMG QC LLD Drhc DUniv FRSE - Chairman March 2003-. Trustee since 1996. Judge of the European Court of Justice 1992-2004. He is an honorary professor of the University of Edinburgh where he was formerly Professor of European Institutions and Director of the Europa Institute. He is a trustee of the Industry and Parliament Trust, of the Trier Academy of European Law and of the Hopetoun Foundation. He is President of the Franco-Scottish Society and a Vice-President of the British Institute for International and Comparative Law, the United Kingdom Association for European Law and the International Association for Business and Parliament.

Lady Balfour of Burleigh MA DPhil LLD DLitt FRSE. Trustee since 1994. Non-executive Director of the Scottish American Investment Trust plc, the Scottish Oriental Smaller Companies Trust plc; Murray International plc; Chairman of the Nuclear Generation Decommissioning Fund Ltd; BPB plc; and Stagecoach plc. Fellow of the Royal Society of Edinburgh, a Trustee of the National Library of Scotland, the Stewart Ivory Foundation, the City/Whitehall Seminar, and the March Dialogue.

Ewan Brown CBE MA LLB CA DUniv FRSE FCIBS. Trustee since 1991. Director of Noble Grossart Ltd non-executive chairman of Lloyds TSB Scotland and Transport Initiatives Edinburgh and a director of Lloyds TSB Group, Stagecoach Group and John Wood Group. Appointed Honorary Professor in Finance at Heriot-Watt University in 1988 following part-time lecturing appointments at the Universities of Glasgow and Edinburgh. Chairman of Court at Heriot-Watt from 1996–2002.

The Hon. The Rev. Robin Buchanan-Smith MA ThM. Trustee since 1986. Chaplain to the University of St Andrews from the mid sixties; Chancellor's Assessor on the Court for 5 years in the early eighties. Director of Scottish Television (now SMG) from 1981-96. Involved with various charities and Chairman of the Cross Trust.

The Rt Hon. Lord Cameron of Lochbroom PC FRSE. Trustee since 1980. Retired Senator of the College of Justice; graduate of the Universities of Oxford and Edinburgh; Chancellor's Assessor for the University of Edinburgh and ex officio member of the University Court.

The Right Honourable The Earl of Elgin and Kincardine KT MA LLD DLitt. Trustee since 1970. Head of the Family of Bruce: Served in Third Battalion Scots Guards. Acting Lieutenant Colonel and Commandant ACF Fife 1957-68; Brigade President, The Boys' Brigade (UK) 1964-84; formerly Chairman of TSB Foundation for Scotland; formerly Director of Credit for Industry (Scotland), Dominion Insurance, Scottish Amicable Life Assurance, Scottish Post Office Board.

Tom B Hunter Esq BA DUniv. Trustee since 2000. Founded West Coast Capital ("West Coast"), the private equity partnership, in March 2001 following the successful sale of his first business, Sports Division. Provided funding support for the formation of the Hunter Centre for Entrepreneurship at Strathclyde University. Co-founder with his wife Marion of The Hunter Foundation (THF) in 1998, a venture philanthropy targeting investment in education and enterprise across Scotland. Director of the Princes Scottish Business Youth Trust (PSYBT), Schools Enterprise Scotland – leader of a fundraising campaign to deliver enterprise education for all of Scotland's primary school children. Chairman of the Make a Wish Foundation in Scotland.

Eileen A Mackay CB MA FRSE FRSGS FCIBS. Trustee since 2000. Graduate of Edinburgh University. Formerly a civil servant with the Scottish Office. Current non executive appointments include The Royal Bank of Scotland Group plc and British Library. Previous appointments include

court of University of Edinburgh and Economic and Social Research Council. (Married to Sir Muir Russell, who became Principal of the University of Glasgow from 1 October 2003).

Calum A MacLeod CBE MA LLB LLD. Trustee since 1997. Graduate and former Chancellor's Assessor of the University of Aberdeen, Chairman of Aberdeen Development Capital plc and of Grampian Television. Vice Chairman of the UHI Millennium Institute and a Trustee of the University of Aberdeen Development Trust.

Sir Lewis Robertson CBE LLD DUniv DBA LLD FRCSE FRSE. Chairman 1990-2003. Trustee since 1963, Industrialist and Administrator. Sometime Treasurer, The Royal Society of Edinburgh. Chairman, Eastern Regional Hospitals Board, Scottish Arts Council. Formerly Chairman or director of numerous companies, member of Monopolies and Mergers Commission, Restrictive Practices Court, British Council.

The Rt Hon the Lord Wilson of Tillyorn KT GCMG PhD FRSE. Trustee since 2000. Chancellor of the University of Aberdeen and Master of Peterhouse Cambridge. Formerly Governor of Hong Kong and Chairman of Scottish Hydro Electric plc (later Scottish and Southern Energy plc). PhD in Modern Chinese History and a Fellow of the Royal Society of Edinburgh.

Three vacancies

Nominated Trustees are proposed by the Universities, existing Trustees and others knowledgeable in Higher Education. They are appointed to ensure an appropriate range of experience in the Trust.

EX-OFFICIO TRUSTEES

Principals and Vice-Chancellors of the Universities of Scotland

Aberdeen University - Professor C Duncan
Rice MA PhD FRSE

Abertay Dundee University - Professor
Bernard King CBE MSc PhD CIMgt FIWSc
CBiol FIBiol

Dundee University - Sir Alan Langlands BSc
DUniv FRSE FRCP FRCSE FRCPS FRCGP
FFPHM FCGI FIA

Edinburgh University – Professor Timothy M
M O’Shea BSc PhD FRSE

Glasgow University – Sir Muir Russell KCB
FRSE

Glasgow Caledonian University - Dr Ian A
Johnston CB BSc PhD CCMI FCIPD

Heriot-Watt University - Professor John S
Archer CBE BSc PhD FREng FRSE

Napier University – Professor Joan Stringer
CBE BA PhD DLitt FRSA FRSE

Paisley University - Professor John Macklin
BA PhD

Robert Gordon University - Professor William
Stevely CBE BSc DPhil FIBiol

St Andrews University - Dr Brian Lang MA
PhD FLA

Stirling University - Professor Christine
Hallett MA PhD FRSE

Strathclyde University - Professor Andrew
Hamnett BA DPhil FRSE FRSCChem

The First Minister*, Scottish Executive

Assessor for the First Minister - E J Weeple CB MA - from February 2003 until January 2006

The Lord Provosts of Edinburgh and Glasgow

*The First Minister replaced the Secretary of State for Scotland as a consequence of devolution in Scotland and from the inception of the Scotland Act.

EXECUTIVE COMMITTEE

Professor Sir David Edward - Chairman -
Lady Balfour of Burleigh
Ewan Brown
Lord Cameron of Lochbroom
Dr Calum A MacLeod - representing the
Investment Committee
The Principals and Vice-Chancellors of the
Universities of Scotland

The voting powers of Ex-Officio Trustees
exercised by
The Principals and Vice-Chancellors of
Edinburgh, Glasgow, Glasgow Caledonian and
Heriot-Watt – February 2003 to January 2005

INVESTMENT COMMITTEE

Dr Calum MacLeod – Chairman
Ewan Brown
Professor Sir David Edward
David J Kirkpatrick BSc FFA

David C Ritchie BSc FFA
Edward A W Tulloch BSc
Maxwell C B Ward MA

AUDIT COMMITTEE

Eileen A Mackay – Chairman
Ewan Brown
Lord Cameron of Lochbroom

Professor Joan Stringer
Professor Sir David Edward –

Secretary and Treasurer

Sir John P Arbuthnott ScD FIBiol FRCPATH FRSE HonFRCPs(Glasgow) – until 11 July 2004
From 12 July 2004 – Professor Andrew Miller CBE BSc MA PhD FRSE

Assistant Secretary

Miss Jackie Gray

Bursar

Miss Kate Ellis BSc FCA

Clerical Officer

Miss Julianne Black

Auditors

Henderson Loggie, 10 Great Stuart Street, Edinburgh EH3 7TN

Bankers

Lloyds TSB Scotland plc, Henry Duncan House, 20 George Street, Edinburgh EH2 4TS

Investment Managers

Martin Currie Investment Management Ltd, Saltire Court, 20 Castle Terrace, Edinburgh EH1 2ES

Solicitors

Lindsays WS, 11 Atholl Crescent, Edinburgh EH3 8HE

**THE CARNEGIE TRUST FOR THE UNIVERSITIES OF SCOTLAND
THE ONE HUNDRED AND THIRD ANNUAL REPORT OF
THE EXECUTIVE COMMITTEE TO THE TRUSTEES**

I must begin by paying tribute to Sir John Arbuthnott who retired from the post of Secretary and Treasurer at the beginning of July 2004. After a very distinguished academic career, Sir John became one of the outstanding Principals of a Scottish University and contributed very actively, as an *ex officio* trustee, to the work of the Trust. So we were delighted when he agreed to become Secretary and Treasurer in succession to Professor Coppock. He devoted himself tirelessly to the needs of the Trust and, especially, of its beneficiaries – the Scottish universities, their academic staff and their students. He brought, not only the intellectual and administrative capacity of a distinguished scientist and university leader, but also a warm humanity and a willingness to help applicants for grants to make the most of themselves and their project in order to qualify. The Trust is deeply in his debt.

Sir John's successor, Professor Andrew Miller, brings to the post a wide range of skills and experience as a scientist, academic and administrator in universities and research institutes in Scotland, England, Europe and Australia. He returned to Scotland as Principal of Stirling University and, again in the capacity of *ex officio* trustee, he contributed greatly to the work of the Trust. He has also been very active as General Secretary of the Royal Society of Edinburgh and has an almost unrivalled knowledge of the Scottish university scene. He has the added distinction, for the chief executive of a Trust founded by Andrew Carnegie, of having been born, brought up and educated within ten miles of Dunfermline. The Trustees are confident that in Professor Miller they have found the ideal successor to Sir John, and look forward very much to working with him.

Apart from that changeover, the year 2003-2004 has been very busy in other respects and the Trustees are, as always, conscious of the debt they owe to the Bursar, Kate Ellis, the Assistant Secretary, Jackie Gray, and her assistant, Julianne Black. In their characteristically unassuming way, they have ensured that the work of the Trust has continued, and that applications have been properly processed and grants paid out and accounted for. There can be very few charitable funds that are able to disperse almost £2 million *per annum* with a total of two part-time officers and two full-time office staff. We are deeply grateful for their work.

Having retired as a Judge of the European Court of Justice in January 2004, I set out to visit all the thirteen universities of Scotland. I am particularly grateful to the Principals and other members of the university staff, who gave up time to talk to me, show me round and give me an insight into their very different achievements and problems. I believe that Andrew Carnegie, who did so much to ensure access to university education for those he called the "qualified and deserving" and to extend the opportunities of the "industrious and ambitious", would have been proud of the Scottish universities today. To suggest, as some do, that they are not doing enough to promote access or, alternatively, that they are cheapening the quality of higher education is, I believe, insulting. The undoubted problems faced by the universities are unlikely to be solved by ignorant criticism or by regulatory interference.

The funds of our Trust do not allow us to contribute to the life and work of the universities on anything like the same scale as was possible 100 years ago. Nevertheless, the Trust does make an important contribution. The Carnegie name attached to a scholarship, grant or project is a badge of excellence and, as one Vice-Principal said to me, "What is distinctive about Carnegie is small grants. Small grants produce added value quite disproportionate to the sums involved."

With this in mind, the Trustees are reviewing the various schemes administered by the Trust to see whether they should be discontinued, altered or widened, and whether there are unmet needs to which the Trust should be giving attention. The scope for new projects is limited by the size of the existing fund, but its value has been maintained and augmented thanks to the work of the Investment Committee under Dr Calum MacLeod and our investment managers, Martin Currie.

I am also very grateful to the members of the Audit Committee under Eileen Mackay who (as members of such a committee are supposed to do) keep us up to the mark by asking the questions, sometimes awkward and even inconvenient, that might otherwise be overlooked.

For the coming year, priority must be given to two projects that are likely to be of the greatest importance for the future of the Trust: the preparations for the Medals Ceremony in October 2005 and the “co-location project”. These are described in the Secretary and Treasurer’s Report at page ***.

The Medals Ceremony and accompanying events, to be held in the new building of the Scottish Parliament, will bring to Scotland representatives of the “Carnegie Family” of trusts and endowments worldwide, as well as outstanding figures in the world of philanthropy. We are immensely grateful to the Presiding Officer of the Parliament and the First Minister for their help and encouragement.

The “co-location project” which aims to bring together on a new site in Dunfermline all the Carnegie Trusts based in Scotland will involve the greatest care to ensure, on the one hand, that we achieve a building worthy of Carnegie’s legacy and, on the other, that we do not divert any more funds than strictly necessary from the objects he sought to promote. To do so will stretch the human resources of the Trusts to their utmost, but there can be no doubt as to the enthusiasm and sense of common purpose these projects have engendered.

Finally, I would like to record how grateful we are to those who have helped the Trust as advisers and to those who have made donations or remembered the Trust in their wills. It is particularly encouraging that they include former beneficiaries of grants from the Trust.

Voluntary Repayments by beneficiaries, including legacies: 2003-2004

Mr A C Boswell	£120	Donation
Mr D S Collins	£604.08	Donation
Jacqueline Dow	£120	Donation
Mr N A Excell	£3000	Donation
Elizabeth Kerr-Waller	£84,000	Legacy
McIntyre, G,	£50	Gift Aid
Dr Alex. G Moffoot	£786.94	Donation
Finlay Stalker	£25,000	Legacy
William Nelson Yule	£250	Donation
	<u>£113,931.02</u>	

It is my pleasure to move acceptance of this Annual Report.

Professor Sir David Edward
Chairman

THE SECRETARY AND TREASURER'S REPORT 2003-04

Introduction

In this, my first contribution as Secretary and Treasurer to the Annual Report, it is a congenial duty to start by congratulating the Chairman Professor Sir David Edward on his appointment to a Knighthood in the 2004 New Year Honours List. The Knighthood is doubtlessly a recognition of Sir David's distinguished contribution as a Judge in the European Courts. He has however also given long and much valued service at the Trust. He served for eight years as a Trustee before becoming Chairman of the Trust in 2002. This honour to our Chairman therefore gives special pleasure to myself and to the Trustees.

This Annual Report covers the year ended 30 September 2004 during most of which Sir John Arbuthnott was Secretary and Treasurer. The report bears my signature but I have only held the post since July so it reports largely Sir John's achievements at the Trust during the last year. The Chairman's Report recounts that the Trustees, at their meeting on 28th June, expressed their appreciation of the skills and experience which Sir John brought to the Trust during his tenure of the post. I can only add that Sir John is a hard act to follow but I am looking forward to doing my utmost to add my own contribution to the development of the Trust over the next few years.

This Report centres on the annual round of activities of the Trust in supporting the Universities of Scotland and their students by the award of development grants, postgraduate scholarships, research grants, larger grants, vacation scholarships, fee assistance and special needs awards. The Trustees will be aware, however, that this year two major new issues have come to the fore. I refer, of course, to the discussion with the other Dunfermline based Carnegie Trusts on co-location and the plans for the Ceremony for the award of the Carnegie Medals of Philanthropy in Scotland in 2005. These important plans are described in the Chairman's Report but I mention them here because they will certainly involve a substantial additional load on the small group of staff based in the office as well as on the Chairman. It is absolutely crucial that these plans go well.

Financial Statements

Continued recovery in the investment markets over the past year have resulted in an increase of 9.0% in the value of the Trust's investments from £44.0 million to £47.9 million. The contribution of the Investment Committee, chaired by Dr Calum MacLeod, is invaluable - providing sound judgment, thoughtful advice and continuing to challenge our investment advisers to improve performance - which is borne out by the results for the year. The Trust expresses its thanks to the Investment Committee for its continuing close scrutiny of our investment portfolio and its management.

Other net assets have remained broadly stable but reflect in cash balances, increased to £1.339 from £1.040 million, the surpluses earned in the year.

The Trust's dividend income from investments has increased by 4.4% to £1.866 million and total investment income before management fees increased by 1% to £1.948 million. However, the net investment income after fees remained almost static, due to the impact of the increase in capital values on the fees. The total income received exceeded £2 million for the first time, after adding legacies of £109,000 received.

Expenditure by the Trust in support of its charitable purpose, under Clause A of the Charter the support of the Universities of Scotland at £1.243 million was slightly lower than for 2003 (£1.284 million); Clause B expenditure in support of students through Fees Assistance and Vacation Scholarships was £236,265 for 2004, an increase from the previous year (£214,000). The Secretary's detailed report on Trust Activities specifies expenditure under each of the Trust's Schemes.

From the notes in the Accounts it can be seen that support costs incurred by the Trust of £146,000 for 2004 were slightly higher than the level of £138,000 in 2003. This represented approximately 9% of the value of awards and included £7,000 of non-recurring expenditure in relation to the co-location

project. Management and administrative costs (£30,700) amounted to 1.5% of net income and were higher than the previous year (£28,800) reflecting a proportion of the non-recurring expenditure. The total cost of salaries and pensions was £134,306 a percentage increase of 2.0%.

The Centenary Fund, currently valued at £2.14 million by comparison with £1.94 million, supported the cost of two Centenary Professors in 2004. 32 awards were made from the Special Supplementary fund to assist needy students.

In conclusion it should be noted that the Trust's net operating surplus for 2004, (including larger legacies totalling £109,000 taken to the General reserve) was £216,800 by comparison with £139,200 in 2003.

Activity Report 2003-2004

The table below shows the pattern of awards in the year to September 2004 for the Trust's different schemes. The Executive Committee approved the award of a total of £1,547,000 to fulfill its programme of support for the Universities of Scotland through the current schemes.

Awards made in 2003-2004

		Number of Applications	Number of Awards	Amount Awarded £*
Clause A				
	Research Grants (up to £1000)	77	65	£36,125
	Research Grants (up to £2000)	204	186	£252,980
	Larger Grants	12	6	£170,334
	Carnegie Scholarships Awarded in 2003 Scholars in post during year	126	12 31	£402,659
	Expeditions	19	16	£26,400
	Development Grants	-	13	£395,000
Clause B				
	Fee Assistance	187	154	£185,360
	Vacation Scholarships	133	87	£53,175
Total			570	£1,547,033

*It should be noted that the amount awarded may not be claimed in full by the applicant; the net expenditure for 2003-2004 is recorded in the annual accounts.

The continuing level of annual support awarded under **Clause A** of the Charter is of significant importance to the Universities in Scotland and the Trust is grateful to the University Principals for their interest and support.

Since its inception, the Trust has provided capital support for the Universities and this is continued through the **Development Grant**. This year £420,000 was allocated for this purpose. At the suggestion of the Trust, the University Principals agreed to donate £25k of this amount as a contribution to the cost of the Medals of Philanthropy event in 2005.

The scope of projects approved by the Chairman for individual Universities was, as usual, considerable. A synopsis of how Universities have applied these grants this year is shown on page **. These annual grants may also be used to match other monies and, when accumulated over several years, may enable Universities to carry out significant improvements to teaching facilities and student amenities. Over time the impact of this scheme has been to establish the Trust as one of the more

important benefactors for all the Scottish Universities. In most cases the nature of the capital development offers the opportunity for Universities to attribute the Carnegie name to the project.

The **Scholarship scheme**, which is regarded highly by the Universities, provides three years of financial support for around 33 Scholars at a level that compares well to that provided by the Research Councils. Since Scholars are appointed across the full range of subjects in the University curriculum, the scheme provides seed corn for the training of future academic staff within the Scottish Universities. The Trust continues to be extremely grateful to the network of 30 subject advisors who assist with the selection of Scholars and who also play a mentoring role for Scholars in their subject area over the three years of PhD study. The second Robertson medallist will be James T Ferguson who will hold his Scholarship in the Department of Mathematics at the University of Glasgow. The Chairman will make the award in Glasgow in 2005.

Members of staff of the Scottish Universities are eligible to apply for support from the Research Grant Scheme; this is open also to graduates of the Scottish Universities provided that the research project is clearly of benefit to the University research base in Scotland. These relatively small grants of up to £2000 support research visits within the UK and around the world as well as awards towards book publication and colour illustrations. The Carnegie Research Grants provide a valuable source of travel and subsistence in support of archival research and field-work. The following are highlights for 2003-04.

- A total of 251 applicants benefited from awards totalling £289,105
- These consisted of 185 current staff members, 34 post-graduates, 15 post-doctoral researchers, 8 retired staff, 4 independent researchers and 4 Scholars of the Trust plus one Caledonian Scholar.
- Most recipients (118) were in Arts and Humanities, 52 were from Business and Social Studies, 53 from Physical Sciences and 28 from Biological Sciences.
- £26,400 was awarded to 16 expeditions

During the year the Trust received 36 publications in books and journals that derived from previous grant awards.

The Larger Grant Scheme was introduced twelve years ago to encourage the Universities to work in collaboration in areas where Scottish scholarship could make a significant impact and where the crosscutting nature of the project made it unlikely to fit the remits of the Research Councils. In the past year 6 such grants to a value of £170,334 were awarded for work in the programmes listed on page . The Trustees intend to review the operation and effectiveness of the Larger Grant Scheme.

Under **Clause B** of the Charter the extent of support for individual students is now less than it was in the early days of the Trust. The availability of state support for fees from the Scottish Executive means that the Trust now receives applications for fee support only from students who for various reasons are not eligible for State support. In the past year 154 students received £185,360 in assistance; this compares with expenditure of £164,690 in support of 140 students in 2003; and £182,405 in support of 162 students in 2002. The Trust has again taken steps to find out whether some students in receipt of Fee Assistance might be in such straitened financial circumstances as to be eligible for further assistance from the Trust's Special Supplementary Fund and a total of 32 students have received additional financial help this year at a total cost of £15,500.

The competitive scheme for **Vacation Scholarships** to assist students in second or third year to benefit from a period of research experience continues to be heavily subscribed and this year 89 awards totalling £53,175 were made from of a field of 118 applicants.

The **Centenary Fund** was established by the Trust to fund projects to mark the centenary of Andrew Carnegie's benefaction made in 1901 to the Scottish Universities.

The income from the fund (approximately £80,000 per year) currently supports the appointment of up to two Centenary visiting Professors per year. Competition for these awards is intense and in making

the appointments the Chairman and the Secretary are assisted by a small group of four leading academics acting as independent Stewards, as well as two nominated Trustees. Because of the long lead-in time required to arrange such visits, Centenary Professors are chosen two years prior to taking up their appointment. There were two appointments made for 2004. Professor Mario Livio, Head of the Space Telescope Science Institute was hosted by the University of St Andrews. Professor Livio made one visit during this year and will make another visit in 2005. In the first visit he gave a lecture at The Glasgow Science Centre's Space Theatre entitled *The Golden Ratio*. This was attended by the Chairman and the Secretary. Professor Keith Horne, mentor to Professor Livio, reports on his visit in this Report. Professor Kenton Sanders from the University of Nevada School of Medicine and hosted by the University of Strathclyde, gave a lecture entitled *Interstitial cells of Cajal: Interlopers in the well-ordered world of autonomic neuroscience*. The lecture was held in the Strathclyde Institute for Biomedical Sciences. His mentor at Strathclyde, Professor Alison Gurney also organised seminars and visits to Aberdeen, Dundee, Edinburgh and St Andrews. The Chairman and Secretary attended the Seminar in Edinburgh followed by a dinner for Professor Sanders. In 2003 the Chairman's Appointments Committee selected Professor Bushkovitch, a Russianist, and Professor Stoddart, a Chemist as the successful nominees for 2005; they will hold their Centenary Chairs at Aberdeen and Edinburgh respectively. The appointments made for tenure in 2006 were Professor James A Piper, Professor of Physics at Macquarie University, Sydney, nominated by Heriot-Watt University and Professor Prasanta Pattanaik, Professor of Economics, University of California, nominated by the University of Stirling.

The events of the year

There have been regular meetings with the Carnegie Dunfermline Trust and the Carnegie UK Trust to take forward the plans for co-location of the Trusts and for the Medals of Philanthropy Ceremony to be held in Scotland on 3-4 October, 2005. There are two Working groups, one for each project. The Chairman and Secretary are members of both and the Bursar is a member of the co-location group. Following the decision of the Trustees last year to pursue the co-location further, we have cooperated closely with our colleagues in the other Trusts to seek a plan which meets the needs of the three Trusts. Our goal is to use no more than the proceeds from the sale of our present building to acquire our share of the new building and to ensure that our running costs in the new building are not more than they are at present.

Plans for the Medals ceremony move ahead. On 3 October 2005 it is planned to have a day in Dunfermline based around Lauder College (George Lauder was Andrew Carnegie's uncle and Carnegie spoke at the opening of the College) and the award of a Bursary to allow a student from the College to travel in the United States. On the second day events will focus on the new Parliament Building in Edinburgh with much support and enthusiasm from the Presiding Officer and the First Minister both of whom have agreed to play leading parts in the Ceremony. In the morning six parallel Debate sessions are planned with chairs and speakers from the UK, the US and the developing world. The topic will be the role of philanthropy in the modern world with sessions devoted to Education, Poverty and Health, International Peace and Justice, Democracy, Governance and Civil Society, Environment and Sustainable Development, and Legal, Fiscal and Regulatory Challenges for Philanthropic Foundations. After the Debates the first Minister will host a lunch and the Ceremony for the award of the Medals of Philanthropy will take place in the afternoon. Clearly we are in for an eventful and fulfilling year and we will look forward to seeing the objects of our Trust developed.

I am grateful for valuable input to this Report from the Bursar and from the Assistant Secretary.

Andrew Miller
Secretary and Treasurer

Statement of the Executive Committee's Responsibilities

Under the Royal Charter dated 10 July 1978 and the by-laws of the Trust and the Law Reform (Miscellaneous Provisions) (Scotland) Act 1990 and The Charities Accounts (Scotland) Regulations 1992, the Executive Committee of the Trustees is required to prepare accounts for each financial year which show a true and fair view of the state of affairs of the charity and of the disposal of the income of the Trust.

In preparing those accounts, the Executive Committee is required to:

select suitable accounting policies and then apply them consistently;

make judgments and estimates that are reasonable and prudent;

ensure that the recommendations of the Statement of Recommended Practice (Accounting by Charities), have been followed;

state whether the accounts comply with the Royal Charter and the by-laws of the Trust subject or any material departures disclosed and explained in the accounts;

prepare the accounts on the going concern basis unless it is inappropriate to presume that the charity will continue its activities.

The Executive Committee is required to act in accordance with the Royal Charter and the by-laws of the Trust, within the framework of trust law. It is responsible for keeping proper accounting records which disclose with reasonable accuracy at any time the financial position of the charity and to enable them to ensure that the accounts comply with the Charities Regulations, Scotland. It is also responsible for safeguarding the assets of the charity and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

The Executive Committee has met these requirements.

Operating policies of the Trust

Reserves policy

The General Reserve is an unrestricted fund, which the Trustees are free to use in accordance with the charitable objects of the Trust. The Trustees have reviewed the requirement for reserves to support management and administration costs and protect charitable expenditure from unexpected fluctuations in income and to enable the Trust to respond to additional demands for charitable expenditure which the Trustees anticipate could arise from changes in the higher education environment. They believe that the current level of the Reserve may be more than is required but this can only be assessed in conjunction with an ongoing strategic review of activities. The Trustees will accordingly revise the reserves policy and the level of reserves required to give effect to the policy in the light of that review. Centenary Fund – a fund designated to provide funding for projects following the centenary of the Trust in 2001.

Special Supplementary Fund - consists of sums placed at the disposal of the Trustees for existing students in exceptionally necessitous circumstances.

The Endowment Fund represents the original endowment, together with surpluses and deficits to date and the fixed assets held in Cameron House.

Investment policy and performance

The Trustees' investment powers are governed by the Royal Charter, which permits them to invest in a broad range of investments issued by any government or municipal or public authority authorised to borrow money or any company with limited liability and to invest in property in Scotland, England, Wales, Northern Ireland.

The objective agreed with the Trust's investment managers is to achieve real growth in both income and capital, within the investment guidelines in respect of type of investment and asset allocation contained within the discretionary management agreement with the investment managers. The current guidelines set asset allocation as follows:

	Benchmark and Range
Fixed interest	15%(+/-5%)
UK Equities	85% (+/-10%)
Cash	<5%

The flexibility on changing the asset allocation depends on the Investment Manager's requirement to grow the income in real terms. The types of investment permitted include UK equities, convertibles, preference shares, UK and European fixed interest securities, unit trusts and investment trusts. Foreign equity investment is permitted through unit trusts, investment trusts, investment companies schemes for collective investments or other such pooled vehicles. Underwriting or sub-underwriting of issues or offers for sale of securities is permitted but the funds may not, without permission of the Trust, include securities where an issue or offer for sale was underwritten managed or arranged within the previous twelve months by the Investment Manager. Investments in tobacco companies are not permitted.

The Investment Committee meets quarterly with the Investment Managers to review performance and to monitor the risk strategy for investments in respect of business risk and portfolio risk. As part of the quarterly reporting the Investment Managers report on internal compliance with risk management procedures with an annual review of such risk management arrangements being carried out by the Bursar and Secretary and Treasurer.

Grant making policy

In accordance with Andrew Carnegie's wishes, the Royal Charter enables the Trust to support the 13 Universities of Scotland, their staff and students. The current schemes of support are described below.

Fee Assistance may be provided to support entering undergraduates to first degree courses who are not eligible for support through the SAAS. A competitive Vacation Scholarship scheme is operated to assist undergraduate students who wish to undertake research in the summer vacation. Undergraduate groups from Scottish universities can apply for support with Expeditions.

At the postgraduate level, a prestige scheme of Scholarships supports a limited number of graduates with first class honours degrees who will pursue three years of postgraduate research leading to a PhD.

Members of Staff and graduates of Scottish Universities are eligible to apply for the Trusts Research Grant Scheme which awards grants of up to £2,000 for personal research, and support towards illustration and publication costs.

A competitive Larger Grant Scheme (grants up to £30,000) encourages applications for joint programmes of collaborative research projects from groups within the Scottish Universities.

The Scottish Universities are invited to compete for up to two Carnegie Centenary Professorships per year to encourage World Class scholars to spend a sabbatical period in Scotland.

Through the Principals of the Scottish Universities the Trust allocates Development Grants in support of projects aimed at the improvement of facilities for students and research.

Statement re risk management

The Trustees have examined the major strategic, business and operational risks which the Trust faces and confirm that systems have been established to monitor and control these risks to mitigate any impact on the Trust.

CARNEGIE CENTENARY PROFESSORSHIPS

Report on the visit of Professor Kenton Sanders by host, Professor Alison Gurney, Department of Physiology and Pharmacology, University of Strathclyde.

It was a pleasure to host Professor Sander's visit to Scotland during September and October 2004. During his stay he participated in many formal scientific activities, including the Carnegie Centenary Professorship lecture in Glasgow, research seminars at Edinburgh, Dundee, St Andrew's and Aberdeen Universities and a one-day retreat with research students and postdoctoral scientists at Ross Priory, University of Strathclyde. He also contributed to many informal exchanges and spent time in the laboratory actively collaborating on experiments with young researchers at Strathclyde University.

Following opening remarks from the Rt Hon. Lord Cameron of Lochbroom on behalf of the Carnegie Trust, Professor Allister Ferguson, Deputy Principal at Strathclyde University, introduced the Carnegie Centenary Professorship lecture entitled *Interstitial Cells of Cajal: Interlopers in the Well-Ordered World of Autonomic Neuroscience*. Professor Sanders outlined his groundbreaking research that led to the identification of the physiological function of a particular cell type in the gut wall, known as the Interstitial Cells of Cajal. He explained how these cells play a critical role in generating the pacemaker activity that underlies peristalsis and how they act as a go-between for neural signals from the autonomic nervous system, which control the muscle activity of the gastrointestinal tract. He also outlined the growing evidence of an important role for these cells in gastrointestinal disease and stressed the need to pursue clinically relevant research. The lecture was well received and followed by lively discussion, which continued at a buffet reception afterwards. This theme was followed up in greater depth at the various research seminars around the country, which were also well received and led to research connections being established with several colleagues.

The more focused part of Professor Sander's visit was spent with faculty and students at Strathclyde University. Dr Karen McCloskey, a young researcher at Strathclyde University with a specific interest in interstitial cells, was particularly pleased to benefit from detailed discussions and new collaborations. Professor Sanders introduced her to one of the world's leading histologists based in London, Professor Giorgio Gabella. They spent a day together in his laboratory discussing her work and planning an international collaboration to investigate interstitial cells in the bladder. Students and postdoctoral researchers in the Cell Pharmacology and Neuroscience groups at Strathclyde also gave presentations on their work and enjoyed fruitful discussions.

Professor Sanders was delighted to have this opportunity to strengthen his links with Scottish scientists, not only to build research collaborations but also to develop training links for the researchers of tomorrow. For over 10 years, Professor Sander's Department in Reno has run a programme for Irish undergraduate students, in which they spend one year between their junior and senior honours years learning laboratory techniques and working on their own research project. Stipends during the year are provided from research grants. Upon returning home these students generally perform exceptionally well and many go on to study for higher degrees. Some currently work in Scotland as PhD students or postdoctoral researchers and they universally praise the experience. Professor Sanders is keen to extend the programme to Scotland, and both Strathclyde and Dundee Universities have already indicated a desire to participate. Possible involvement of the Trust in such a programme, as well as a complementary scheme to bring undergraduate students from the USA to Scotland, was discussed with Trustees at dinner in Edinburgh.

Report on Professor Mario Livio's visit to Scotland by his host and mentor, Professor Keith Horne, Department of Physics and Astronomy St Andrews University.

Professor Mario Livio is making two visits to Scotland in his capacity as the 2004 Carnegie Centenary Professor. Mario is a Senior Astrophysicist at the Space Telescope Science Institute in Baltimore, Maryland, where the science programme and public outreach activities associated with NASA's

Hubble Space Telescope are carried out. Mario is former Head of the Science Division and now working in the Public Outreach Division. His research interests are very broad, touching almost every area of astrophysics, and spilling over into mathematics and art. He is interested in cosmology, the origin of life, and the concept of beauty in physics, mathematics, and art. Mario's lively public talks featuring many beautiful images from the Hubble Telescope convey both insight and excitement. Mario is the author of two books, *The Accelerating Universe*, and *The Golden Ratio*, exploring these issues. Mario's first visit to Scotland took place July 19 - August 7, 2004. During this visit he spent most of his time in St Andrews, visiting also Glasgow University and the Glasgow Science Centre. He presented a public talk at the Glasgow Science Centre on the mathematical topic of the **Golden Ratio**. This number, 1.618..., has interesting mathematical properties and it appears in a surprising variety of natural phenomena (ranging from quasicrystals to leaf arrangements in plants) and in psychology and art. The talk was attended by about 140 people (more than the actual capacity of the auditorium). Mario gave two colloquia, one at St Andrews, and one at Glasgow University, on the topic of **Cosmology and Life**. Both talks were attended not just by members of Astronomy, but also by physicists, mathematicians, and even biologists. During his stay at St Andrews, Mario interacted scientifically mainly with Professor Keith Horne, and had stimulating discussions with Drs Zhao, Hilditch, Wood, from Astronomy, with Professor Leonhardt from Physics, and with the postdoctoral and graduate students in the Physics and Astronomy Department. He had interesting discussions (on the history of mathematics) with Professors O'Connor and Robertson from the Department of Mathematics and with Professor Perret from the Psychology Department (on the human preference for symmetry). During his trip to Glasgow, Mario interacted primarily with the Astronomer Royal for Scotland, Professor John Brown, but he also had discussions with Dr Fletcher and with postdoctoral and graduate students. In addition to the scientific work, Mario gave an interview to the BBC radio, and also to two newspapers (The Scotsman and the Herald). At St Andrews Mario examined topics related to the nature of the "dark energy" that powers the current cosmic acceleration, investigated topics related to the "cosmological anthropic principle" and did research work towards a book provisionally entitled "The Equation that Couldn't Be Solved". He discussed topics related to the detection of extra solar planets by a variety of methods (ranging from transits to gravitational microlensing), to binary stars as distance indicators, to star formation, and to "slow light". Mario will make a second visit to Scotland during 9-27 May 2005. He will present his Carnegie Centennial Lecture entitled **Beauty in a Dark Universe** at 6pm on Friday 13 May in Theatre A at the Physics and Astronomy on the North Haugh in St Andrews.

DEVELOPMENT GRANTS

Through the Principals of the Scottish Universities, the Trust allocates Development Grants in support projects aimed at the improvement of facilities for students and research.

University	Development Grants 2003-4
Aberdeen	£35,172
Abertay Dundee	£12,161
Dundee	£29,848
Edinburgh	£57,676
Glasgow	£61,534
Glasgow Caledonian	£34,479
Heriot Watt	£17,914
Napier	£27,872
Paisley	£21,300
Robert Gordon	£21,738
St Andrews	£14,370
Stirling	£16,350
Strathclyde	£44,586
Total	£395,000

Not all Universities have yet applied to the Chairman for approval of specific projects. Some are accumulating the funds against a future development. However the following is a synopsis of the way in which Universities have applied these funds in 2003-4.

Aberdeen University is using its grant towards the refurbishment of the Town House in Old Aberdeen.

Abertay Dundee is accumulating its grants towards a new Student Centre

Dundee University is using its allocation towards the capital costs of the Queen Mother Research Centre

Edinburgh University is using its grant towards additional toilet facilities for disabled persons in the main library and the creation of a ramp, toilet and lift at Adam House for disabled persons.

Glasgow University is accumulating its 2002-03 and 2003-4 grants for a capital project

Glasgow Caledonian University is accumulating its grants for a capital project within the new Learning Centre.

Heriot-Watt is using its grants over a 5 year period to fund the conversion of rooms within the student accommodation blocks to allow students 24 hour access to educational computing.

Napier University is using its grant towards the capital target for their Business School at Craiglockhart via the Development Trust.

Robert Gordon University is accumulating its grants towards a major development project.

Stirling University is accumulating its grants.

St Andrews University towards the renovation of a large Lecture Theatre (School III) creating a cinema-like environment.

Strathclyde University is using this year's allocation towards the adaptation of a building as an internet facility for students.

CALEDONIAN AND HENRY DRYERRE SCHOLARSHIPS

The Carnegie, Caledonian and Henry Dryerre Scholarships are open to graduates of a Scottish University with a first-class honours degree to undertake three years postgraduate research. The Carnegie Scholarships are tenable within the United Kingdom (most usually in Scotland), the Caledonian Scholarships are only tenable in Scotland and the Henry Dryerre Scholarship is offered quadrennially for three years postgraduate research in medical or veterinary physiology at a Scottish Institution.

The Carnegie Trust administers the Caledonian Scholarships on behalf of the Caledonian Research Foundation and the Henry Dryerre Scholarship on behalf of the Royal Society of Edinburgh.

There were 126 new applications in March 2004. Twelve Carnegie Scholarships and two Caledonian Scholarships were offered and accepted. Renewal of Carnegie Scholarships for a further year were offered to 21 individuals and 21 accepted re-appointment. Renewal of Caledonian Scholarships was offered to 6 individuals and all accepted re-appointment. The Henry Dryerre Scholarship was offered and accepted.

Reports from current scholars and their supervisors have been received and assessed by the Trust's Advisors. The following list of current scholars indicates the degree obtained, place and year of graduation followed by the first year of appointment in brackets.

CARNEGIE SCHOLARSHIPS

Biochemistry and Microbiology

Smith, Karen, BSc, 2001, Strathclyde

Molecular mechanisms used by clinically important bacteria to develop antimicrobial and antibiotic resistance

In Strathclyde under Professor I S Hunter & Professor J G Anderson

Chemistry

Kay, Euan R, MChem, 2002, Edinburgh

Synthesis and study of mechanically interlocked organic molecules

In University of Edinburgh under Professor D A Leigh

Earth Sciences

McLeod, Graham, BSc, 2003, Glasgow

Silicic volcanism and epiclastic processes in the British Palaeogene Province

In Glasgow under Dr B R Bell

Engineering

Wilson, Mark J, BEng, 2002, Heriot-Watt

Broadband processing for split spectrum imaging in classical sonar

In Heriot-Watt under Mr R McHugh

English

Paul, Colette, MA, 2000, Glasgow

Narrative strategies in the fictional works of Alice Munro and Margaret Atwood

In Strathclyde under Ms Z Wicomb

History

Churchill, Paul, MA, 2002, St Andrews

The collapse of grand narrative in anglophone historiography

In St Andrews under Professor M Bentley

Rudge, Lindsay V, MA, 1998, St Andrews

The development of continental women's monasticism from the sixth century to the ninth

In University of St Andrews under Dr J H Smith

History (Scottish)

Glover, Katharine, MA, 2000, Edinburgh

Women, society and identity in mid-eighteenth century Scotland

In Edinburgh under Dr A Murdoch and Dr S Nenadic

Mathematics and Computing Science

Cain, Alan J, MSci, 2002, Glasgow

Presentations for subsemigroups of groups

In University of St Andrews under Professor E F Robertson and Dr N Ruškuc

Donaldson, Alastair, BSc, 2003, Glasgow

Applying symmetry to temporal logic model checking

In Glasgow under Professor M Calder

Murdoch, Steven J, MA, 2002, Glasgow

Secure storage and access to jointly-administered structured data

In University of Cambridge under Dr Markus G Kuhn

Smith, Christopher J, BSc, 2003, Strathclyde

Mathematical modelling of the human placenta

In Strathclyde under Professor S Watson and Dr B Duffy

Medicine

Menagh, Gillian, BSc, 2002, Strathclyde

The regulation of IKKi expression and its role in the onset of bacterial sepsis

In University of Strathclyde under Dr A Paul

Modern Languages

Zyw, Helen A, MA, 2002, Aberdeen – *taken year 2003-4 out and will recommence in October 2004*

Trobar Clus: The Communication of Concealment. An exploration into the obscure style in Medieval Occitan Lyric Poetry of the 12th and 13th Century Troubadours, with special reference to the work of Raimbaut d' Aurenga.

In Aberdeen under Dr G Hesketh

Philosophy

Cameron, Ross, MA, 2001, MPhil, 2002, Glasgow

Modality and Language: Exploring the boundaries

In University of St Andrews under Professor Crispin Wright

Physics

Angel, Andrew G, MPhys, 2002, Edinburgh

Nonequilibrium statistical mechanics, specifically simple hopping particle models and their applications

In University of Edinburgh under Dr M R Evans

Cran, Alexandra, MSci, 2002, St Andrews

Auroral electron acceleration

In University of St Andrews under Professor E R Priest

O'Leary, Ben, MPhys, 2003, Edinburgh

Phenomenology in high-energy particle physics

In Edinburgh under Dr M Kramer

Psychology

Heng-Ru, May Tan, MA, 2001, Edinburgh

The neural guidance of movement

In Edinburgh under Professor D Lee

Hulse, Lynn, MA, 2001, Aberdeen

Investigating the effects of emotion on eyewitness memory

In University of Aberdeen under Drs A Memon and K Allan

Social Anthropology

White, Benjamin, MA, 2001, Edinburgh

The development of minority identities in Syria during the French mandate, 1920-1946

In Oxford under Dr Eugene Rogan

CALEDONIAN SCHOLARSHIP APPLICATIONS 2004-2005 - RENEWALS

Chemistry

McIntosh, Ruairaidh, MChem, 2003, Heriot-Watt

Supraicosahedral carborane chemistry

In Heriot-Watt under Professor A J Welch

Earth Sciences

Sugden, Lindsay, MA, 2001, Edinburgh

Modelling tephra transport pathways in englacial and proglacial systems

In University of Edinburgh under Dr Nick Hutton

English

Forsyth, Vikki, MA, 2000, St Andrews

History of the presentation of Arcadia in English and European Literature

In University of St Andrews under Dr N Rhodes

O'Gallagher, Niall, MA, 2003, Glasgow

Alasdair Gray and empire

In Glasgow under Professor W Maley

History (Scottish)

Tindley, Anne Marie, MA, 2001, Edinburgh; MSc, 2002, Edinburgh

The history of the Sutherland Estate c.1860-1920

In University of Edinburgh under Dr E Cameron

Medicine

Jones, Leigh A, BSc, 2003, Strathclyde

The influence of sex and pregnancy associated hormones on immune function and the development and maintenance of immunity to *Toxoplasma gondii*

In Strathclyde under Dr C Roberts

HENRY DRYERRE SCHOLARSHIP

Cunningham, Kerry Ann, BSc, 2002, Strathclyde

An investigation of the glycosylation of the serum protein AGP during the acute phase response in domestic animals

In Glasgow Veterinary School under Professor C Eckersall

LARGER GRANTS AWARDED DURING 2003-04

A flexible dialogue system for second language practice. Dr Portia File, Dr Iain Stewart, Dr Petra Leimich, Dr Astrid Schepman, University of Abertay Dundee; Dr Alison Cawsey, Heriot-Watt University; Carmen Garc'a del R'io, University of St Andrews and Dr Robin Lickley, Queen Margaret University College.

Biochemical Pathway Database from Digital Libraries. Dr Leslie Ball, and Dr Louis Natanson, University of Abertay Dundee; Professor Bonnie Webber, University of Edinburgh; Dr Chris Reed, University of Dundee and Dr Iadh Ounis, University of Glasgow.

Development of High Strength Bondable FRP (Fibre Reinforced Polymer) Pultrusion for Civil, Mechanical and Marine Structures. Professor P K Das and Mr I Winkle, Department of Naval

Architecture and Marine Engineering, Glasgow and Strathclyde; Dr J F Chen and Dr T Stratford, Institute of Infrastructure and Environment, Edinburgh University; Dr Safa Hasim, Department of Mechanical Engineering, Glasgow.

Scottish Readers Remember. Professor Alistair McCleery, Napier University, Co-ordinator on behalf of the SAPPHIRE (Scottish Archive of Print and Publishing History Records) Consortium.

The development of a Scottish Universities counselling research clinic. Professor John McLeod, Professor of Counselling, Tayside Institute for Health Studies, University of Abertay Dundee; Professor David Mearns, Professor of Counselling, Counselling Unit, Faculty of Education, Strathclyde University; Colin Kirkwood, Senior Lecturer in Counselling Studies, Department of Community Education, Moray House, Edinburgh University; Alison Shoemark, Lecturer in Counselling, Department of Educational Studies, Aberdeen University; Mick Cooper, Senior Lecturer in Counselling, Counselling Unit, Strathclyde University; Mike Hough, Senior Lecturer in Counselling, Counselling Unit, Strathclyde University.

Research towards a book entitled *A Companion to recent Scottish Music, 1950 to the Present to be published in Musica Scotica.* Professor Graham Hair (Lead Investigator), Glasgow University; Alan Taverner, University of Strathclyde; Professor Stephen Arnold, Kingston University, London (formerly for 30 years Glasgow University); Dr Stephen Davismoon, Napier University; Dr Greta Mary Hair, Honorary fellow, School of Literature, Languages and Cultures, Glasgow University.

CARNEGIE GRANTS APPROVED DURING 2003-2004

The Carnegie Grant scheme is open to graduates and members of staff of the Scottish Universities to undertake a short-term personal research project. Support is usually in the form of help with travel and accommodation incurred while undertaking the project. Scottish graduates working outwith Scotland can apply for a grant but their research topic must be of benefit to one or more of the Scottish Universities. As well as general grants listed below, support for colour illustrations and help with publication costs (repayable to the Trust if the publication makes a profit) also come under this head.

General

Alsop, G I, BSc PhD, Lecturer in Geography & Geosciences, St Andrews. Research in Italy investigating the role of crustal contraction or extension on rock folding.

Anderson, J R, PhD, Reader in Psychology, Stirling. Research in Japan on human-directed communication in squirrel monkeys

Andrews, S, BSc(Aberdeen) Self-funded postgraduate student, Department of Petroleum Geology, Aberdeen. Research in Scotland investigating the climatic cyclicity recorded in the Old Red Sandstone deposits of the Orcadian Basin.

Andriopoulos, C, BSc MSc PhD, Lecturer in Management Studies, Aberdeen. Research in US on how successful creative companies in the entertainment industry manage to sustain a company-wide culture for innovation.

Ascough, P L, BSc(Edinburgh), Postgraduate student, Department of Geography, Edinburgh. Holocene climatic changes and variations of the Northeast Atlantic Marine Radiocarbon Reservoir effect.

Ashton, A M, MA(St Andrews), Postgraduate student in Art History, St Andrews. Research in London for a project interpreting the iconography of the breast in Italian Art 1250-1600. Award

Austin, W E N, BSc MSc PhD, Reader in Physical Geography, St Andrews and Bates, R, BSc PhD, Lecturer in Geosciences, St Andrews. Research on a detailed geophysical site survey of Loch Sunart, N.W. Scotland.

Austin, W E N, BSc MSc PhD, Reader in Physical Geography, St Andrews, Gulliver, P, BSc PhD, Postdoctoral Research Assistant, Glasgow, Cook, G T, BSc PhD, Senior Lecturer, SUERCCollection of the mollusc *Arctica islandica* from the Irish Sea.

Bain, M J, MA MPhil PhD, Temporary Member, Department of Politics and International Relations, Aberdeen. Research in Miami on Russian/Cuban relations in the 1990s.

Banerjee, M, BA(India) MBA(Belgium) MSc(Strathclyde). Postgraduate student, Department of Marketing, Strathclyde. Research in Scotland investigating the role of channel integration process in customer relationship management.

Barber, R L N, MA PhD, Retired Senior Lecturer in Classical Archaeology, Edinburgh, Honorary Fellow, History of Art, Edinburgh. Research in Greece in preparation of a book on pottery from the 1911 excavations at Phylakopi.

Barnes, W J P, BSc PhD, Senior Lecturer, Institute of Biomedical and Life Sciences, Glasgow. Research in Trinidad on the ecology of adhesion in tree and stream frogs.

Batchelor, R A, MSc(St Andrews), Research Administrator, School of Geography & Geosciences, St Andrews. Research in Scotland on volcanic ash deposits from the Dalradian rocks of Scotland.

Bates, R, BSc PhD, Lecturer in GeoSciences, St Andrews. A detailed geophysical survey of Blue Nile delta, Lake Tana, Ethiopia.

Biniari, M, BSc(Athens) MSc(Strathclyde). Postgraduate student, Hunter Centre for Entrepreneurship, Strathclyde. Research in the UK on the management of venturing activities by large corporations.

Bird, M I, BSc PhD, Professor and Chair in Environmental Change, St Andrews. Research in Palawan, Republic of Philippines on Quaternary environmental change.

Bishop, P M, BA PhD, Professor of Physical Geography, Glasgow. Research in Spain on bedrock river morphology and incision processes in a rapidly uplifting mountain block

Black, P D, BA(Oxford) Curator, Hunterian Museum, Glasgow. A study of Rubens's head drawings in collections in and around Paris.

Bonsall, J C, BA FSA, Reader in European Prehistory, University of Edinburgh. Research in Romania on the later prehistoric populations of the Mureş valley.

Brock, B W, BSc MSc PhD, Lecturer in Geography, Dundee. Research in New Zealand on glaciation of the Tararua Range in North Island.

Byron, G, BA MA PhD, Reader in English Studies, Stirling. Research towards a book on Global Gothic Hauntings.

Cavanagh, K, BA MA MSc PhD, Senior Lecturer in Social Work, Glasgow. Research in Australia on a comparative perspective on child homicide in Britain and Australia.

Chalcraft, J T, MA PhD, Lecturer in Islamic and Middle Eastern Studies, Edinburgh. Research in Lebanon on Syrian migrant workers in Lebanon since 1990.

Chalmers, C, BSc PhD, Lecturer, School of Life Sciences, Napier. Research in the UK on homeopathic treatment of gynaecological problems.

Chick, M J, MA PhD, Senior Lecturer in Economic and Social History, Edinburgh. Research in London and Paris on national security and the development of French and UK energy policy since 1945.

Church, M, BSc PhD(Edinburgh), Postdoctoral worker in School of GeoSciences, Edinburgh. Investigation of Norse wood procurement and charcoal production strategies in the Mývatn region of northern Iceland.

Clark, C L, BSc PhD, Senior Lecturer in Social Work, Edinburgh. Research in Australia on professional ethics, regulation and public policy facing social workers.

Code, D J, BA MA PhD, Lecturer in Music, Glasgow. Research in Paris and Brussels on Debussy's String Quartet.

Cohn, S K, BA MA PhD, Professor of Medieval History, Glasgow. Research in the UK, Rome, Paris and Florence on "Plague and protest in late-medieval Europe: A comparative history".

Cooper, J M, MSc, Senior Research Fellow, Transport Research Institute, Napier. Research in the US on the impact of regulation and deregulation on taxi markets; policy issues for transport policy.

Cowie, P A, BSc MSc MPhil PhD, Reader in the School of GeoSciences, Edinburgh. Research in Italy on the response of erosional-depositional systems to fault growth in extending continental crust, Lazio-Abruzzo, Central Italy.

Currie, J. BA PhD, AHRB Research Fellow, Stirling. Research in Washington DC, and London, on James Hogg and the American Press.

Daechsel, B M, MA PhD, Lecturer in History, Edinburgh. Research in India on the Ghazi ideal and the commercialisation of popular literature in Urdu-speaking India between 1870 and 1947.

David, S J, BA(Bristol) MLitt(St. Andrews). Self-funded postgraduate student in History at St. Andrews. Research in London and Cambridge on Ethnographic Texts in English Monastic Libraries.

Davies, M A P, BA MSc PhD, Senior Lecturer, School of Management and Languages, Heriot-Watt. Research in the UK on service quality incidents between clients and their media organisations.

Davies, P, BA PhD, Lecturer in German, Edinburgh. Research in Berlin on Johann Jakob Bachofen's theories of matriarchy in Germany (1860-1945).

Davismoon, S, BA PhD, Reader in Music, Napier. Research in Florence to create "At the water's edge", a composition inspired by the Arno river.

Dawson, A G, BSc(Aberdeen) MSc(USA) PhD(Edinburgh), Professor of Quaternary Science, Coventry. Research in the Orkney Isles on the holocene sea level changes and extreme coastal flood events.

Dennis, N R, BA MA PhD, Professor of Spanish, St Andrews. Research in Spain on the radio programmes of Ramón Gómez de la Serna.

Dickson, M G. AB MA PhD, Reader in History, Edinburgh. Research in Germany on "The Children's Crusade: History, Mythistory, Memory".

Dilley, R M, BSc DPhil, Senior Lecturer in Social Anthropology, St Andrews. Research in France and Senegal on the life and work of Henri Gaden (1867–1939).

Dow, R, BSc BMus (Edinburgh) MA LLM PhD, Research Fellow, School of Arts, Culture and Environment, Edinburgh. Research in Germany on multichannel sound in electroacoustic composition.

Downie, J R, BSc PhD, Senior Lecturer in Zoology, Glasgow. Research in Trinidad on the reproductive ecology of the islands' frogs.

Drummond, L. MA(St. Andrews) Postgraduate student in Psychology, St Andrews. For research in UK on markers of depression in childhood.

Duck, R W, BSc PhD, Professor of Environmental Geoscience, Dundee. A comparative pilot study in Australia on the impact of fronts on morphodynamics of the Richmond River Estuary.

Ellis, J B, MA, Retired Lecturer in English Literature, Edinburgh. Archival research in the US toward a second edition of *The Talisman* for the Edinburgh Edition of the Waverley Novels.

Elphinstone, M N, BA, Professor of Writing, Department of English Studies, Strathclyde. Research in various locations in the UK on lighthouses, in preparation of a book entitled *Light*.

Elsheikh, A, BEng MSc PhD, Senior Lecturer, Division of Civil Engineering, Dundee. Research in Munich on development of hybrid structural systems.

Espie, C A, BSc PhD FBPsS, Professor of Clinical Psychology, Glasgow. Research in Australia on clinical and experimental studies on the treatment of insomnia.

Felzensztein, C, BCom MBA MSc(Strathclyde), Postgraduate student, Department of Marketing, University of Strathclyde. Research in Scotland and Chile on entrepreneurship and regional clustering as determinants of success of inter-firm co-operation and marketing.

Fielding, P, MA DPhil, Senior Lecturer in English, Edinburgh. Library research in the US on espionage in the early nineteenth-century Scottish and American novel.

Forrest, D, BSc MA PhD, Senior Lecturer in Geomatics, Glasgow. Terrain modelling of Wadi Allaqi for agriculture development and investigations into communal tenure in Egypt.

Foster, M, MA BA, Lecturer in English as a Foreign Language, Napier. Research in Shandong, China, on academic and cultural challenges for Chinese students on the Napier English Foundation Programme.

Frame, M, MA MLitt PhD, Lecturer in History, Dundee. Research in Moscow on the pioneers of commercial theatre in late imperial Russia.

Gallacher, J. MA MSc, Professor of Lifelong Learning, Glasgow Caledonian. Research in South Africa on the development of the Western Cape Province as the 'Learning Cape'.

Georgakopoulos, G, MSc (Strathclyde). Postgraduate student in Accounting & Finance, Strathclyde. Research on accounting risk, governance and sustainability of organic salmon farming in Orkney.

Ghosh, P, BA(India) MSc(Strathclyde), Postgraduate student in Marketing, Strathclyde. Research in Stuttgart, Milan and Bologna on a cross-cultural study of consumer perception of print advertising content in Europe.

Gilburn, A S, BSc PhD, Lecturer in the School of Biological and Environmental Sciences, Stirling, Research in Scotland on the ecology of the seaweed fly *Coelopa frigida*.

Giorgioni, G, MSc PhD, Lecturer in Economics, Abertay Dundee. Research in Scotland on investment by multinational companies from developing countries in the UK.

Gorrie, G H, MA MB ChB PhD, Lecturer in Neurology, Glasgow. Research in the US on the gene for recessive familial Amyotrophic Lateral Sclerosis (RFALS).

Gotsi, D, BA PhD (Strathclyde) – awaiting Viva. Lecturer in Marketing, Aberdeen Business School. Research in Silicon Valley on managing creativity in turbulent times.

Hall, A M, MA, PhD(St Andrews), Hon. Lecturer, Geography & Geology, St Andrews. Hon. Postdoctoral Research Fellow, School of Geosciences, Edinburgh. Research on cliff erosion on Shetland: the last and next 100 years.

Halliday, J S, BSc BA MEd PhD, Professor, Faculty of Education, Strathclyde. Research in Australia on “Context, Judgement and Informal Learning”.

Harper, A A, BSc PhD, Lecturer in Physiology, Dundee. Research in Australia on effects of ischaemia on cardiac neuronal excitability.

Harris, E E, MA(St Andrews), Postgraduate student in Art History, St Andrews. Archival research in Prague on Czech photography from 1880 to 1920.

Hart, E M K, BA MA PhD, Lecturer in Modern History, St. Andrews. Research in Rhode Island on the market for consumer goods in Colonial British America.

Heide, C, MSc (Edinburgh), Postgraduate student in History of Art, Edinburgh. Research in US archives on Pascual de Gayangos (1809-1897) on American and British understanding of Spanish culture in the 19th century.

Henderson, I S, BSc MBA PhD, Lecturer, School of Management, Napier. Travel within Scotland on a longitudinal study of management development in Scottish firms.

Henderson, R J, MB ChB(Edinburgh) MSc(Aberdeen), Honorary Clinical Lecturer, Public Health, Aberdeen. Research in Nepal on a review of poverty measures used in developing countries.

Henley, J S, BSc PhD, Professor of International Management, Edinburgh. Research in India on attracting foreign direct investment to India.

Henry, P, MA, Emeritus Professor, Glasgow; Hon. Professorial Research Fellow, Slavonic Studies, Glasgow. £1750. Research in Sweden, Estonia and in Russia on the life and poetry of Igor Severianin (1887–1941).

Heron, G, BA PhD, Lecturer in Social Work, Strathclyde. Research in North Carolina on anti-racism in assignments: differences between UK and USA social workers.

Hirose, Y, MA(St. Andrews), Postgraduate student in the Department of Psychology, Stirling. £2,000. Research in Japan and UK; a cross-racial comparison of the effects of race and emotion cues on memory for faces. Award £1000.

Hoan, A, BSc PhD(Edinburgh), Hon. Research Associate, Archaeology, Glasgow. A pilot study of the use and function of double palisaded enclosures in Dumfries and Galloway. Propose

Hogg, M A, LLB LLM, Lecturer in Law, Edinburgh. Research in South Africa on causation in the law of obligations.

Hope, G A, MA(Glasgow) MPhil(Glasgow), Postgraduate student in History, Glasgow. Research in Germany on the political development of the Carolingian Kingdom of Lotharingia (869-925 AD).

Hopkin, D M, MA PhD, Lecturer in European Social History, Glasgow. Research in France on the role of singing in the lives of women lace-makers of the upper Loire.

Horne, J D, BA MA PhD, Lecturer in the Scottish Centre for Physical Education, Sport and Leisure Studies, Edinburgh. Collaborative research in Canada to compare policies for hosting sporting mega-events in East Asia, Europe and North America.

Howson, A, MA PhD, Lecturer, and Annetts, J, BA PhD, Lecturer, School of Social and Health Sciences, Abertay Dundee. Promoting sexual health in Scottish Primary Schools; an evaluation of primary sexual health training in Tayside.

Hoy, C S, BA(Glasgow) MSc(London) PhD(Leeds), Research Fellow, Department of Urban Studies, Glasgow. Research in Shanghai on sexual and reproductive knowledge, especially amongst urban female migrants.

Hulse, L M, MA(Aberdeen), Carnegie Scholar in Psychology, Aberdeen. Research in Vancouver on the psychology of eye witness memory.

Huq, M M, MLitt PhD, Senior Lecturer, Department of Economics, Strathclyde. Research in Bangladesh on welfare provision in developing countries.

Illian, J B, MSc, Lecturer in Statistics and part-time PhD student, SIMBIOS Centre, Abertay Dundee. Research in Australia on multivariate statistical methods for spatial point patterns.

Isherwood, S, BA MA PhD, Lecturer in Transatlantic Relations, Department of Politics, Dundee. Research in the US and the UK on President Harry S. Truman's plans for internationalisation of waterways.

van Ittersum, M J, AM PhD, Lecturer in History, Dundee, Research in the UK and The Netherlands towards a monograph entitled 'Profit and Principle: Hugo Grotius, Natural Rights Theories and the Rise of Dutch Power in the East Indies, 1595-1615'.

Jack, N, BSc MSc PhD, Lecturer in Statistics and Operational Research, Abertay Dundee. Collaborative research in Australia on the flexibility and fairer prices of extended warranties.

Jaspars, M, BA PhD, Professor of Organic Chemistry, Aberdeen. Research in Australia on a molecular approach to accessing natural marine products.

Jeffrey, C J, PhD, Lecturer, Institute of Geography School of GeoSciences, Edinburgh. Research in India on the politics of GM crops in India.

Johansen, A, BA MA PhD, Lecturer, Department of History, Dundee. Comparative studies of violent policing in Britain, France and Germany at the eve of the First World War.

Johnson, M R W, BSc PhD DIC FRSE FGS, Honorary Fellow, Geology, Edinburgh. Research on geochronological dating of xenoliths in Himalayan granites.

Jose, J M, MSc PhD, Lecturer, Department of Computing Science, Glasgow. Research at Carnegie Mellon University on test beds for Peer to Peer Information retrieval.

Kalkreuter, B, MA PhD, Lecturer in History of Art and Design, Heriot-Watt. Research in UK centres on “Architecture into textiles”.

Karali, V, BA(Greece) MA(King’s College, London) MSc(Edinburgh), Postgraduate student, School of History and Classics, Edinburgh. Research in the US on political Anglicanism in the Atlantic World c 1760-1790.

Karpouzli, E, BSc(Wolverhampton) MSc(Heriot-Watt), Postgraduate student in Geography, Edinburgh. Pilot investigation into population estimate and distributions of cetaceans and sperm whales in the North Eastern Atlantic and Mediterranean basin.

Keeble, D.J, BSc PhD, Senior Lecturer in Physics, Dundee. Research in Germany into operating a modern time-domain spectrometer system, in collaboration with an expert in this field.

Kelly, E, BA MA PhD, Lecturer in Music, Edinburgh. Research in Vienna on Brahm’s performances of Baroque music.

Kennedy, J, BSc MPhil. Professor of Computing, Napier. Collaborative research in Germany on a new system for data integration.

Keown, M M, MA PhD, Lecturer in English Studies, Stirling. Research in New Zealand towards a book on the literary history of the indigenous Pacific literatures in English.

Kidd, M P, BA MA PhD, Professor, Department of Economic, Aberdeen. Research in the US on identifying discrimination via experimental design.

Knowles, J, BA DPhil, Reader in English, Stirling. Research in the UK towards articles on Milton’s *Masque* and the Children’s Masque.

Koepping, E R, MA PhD MTh, Lecturer in Asian Theology and World Christianity, Edinburgh. Research in London and East Malaysia on Anglicanism and local tradition (adat) in the Labuk Valley, Sabah.

Kostoglou, M, MPhil(Glasgow), PhD(Glasgow), Lecturer, School of History & Archaeology, University of Manchester. Research in Greece on “Iron production in ancient Greece”.

Kunin, S D, BA MA PhD, Professor, Divinity and Religious Studies, Aberdeen. Field work in New Mexico on the identity and authenticity of the Crypto-Jews of the American Southwest.

Laidlaw, J C, MA PhD(Cambridge) MA(Edinburgh), Hon. Fellow, School of Literatures, Languages and Cultures, Edinburgh, (retired Professor of French, Aberdeen). Research in Paris towards an Anthology of the Lyric Poetry of Eustache Deschamps (ca 1340-1404).

Lauche, K, PhD, Lecturer, School of Psychology, Aberdeen. Research in Helsinki into the application of the principles of occupational psychology to the analysis of the relation between purpose and design in the field of products used in patient care.

Lawson, S W, BEng PhD, Lecturer in the School of Computing, Napier. Research visits to Belfast and Sheffield on a pilot study on human/animal interactions as a basis for the better understanding of human-computer interactive (HCI) systems.

Lee, M R, BSc PhD, Lecturer in Earth Sciences, Glasgow. Research visit to recover meteorites from the Nullarbor Plain, Australia.

Leishman, J L, MEd PhD, Depute Director of Academic Programmes and Senior Lecturer in Nursing, Abertay Dundee. Research in the US on a qualitative study exploring the development of culturally sensitive competencies as a means of providing 21st century healthcare.

Livingstone, D J, BEng MSc PhD, Lecturer, School of Computing, Paisley. Research in Ireland on developing new Artificial Intelligence algorithms in computer games.

Llamas, C, BA MA PhD, Lecturer in Linguistics, Aberdeen. Research in the UK and Ireland on phonetic variation in three English dialects.

Lodge, P R, BA MPhil, Lecturer in Communications, Napier. Research in the UK into “Mass Communication”.

Lodge, R A, BA PhD, Professor of French, St. Andrews. Research in France on the municipal archive of Montferrand (1258–1390).

Loffler, G, BSc PhD, Lecturer, Division of Vision Services, Glasgow Caledonian. Research in Canada on functional magnetic resonance imaging of the face.

Loney, H L, BA MA PhD, Lecturer in Scottish Studies/Archaeology, Crichton University, Glasgow. Archival research and site follow-up on the Matterdale Archaeological Project in the Lake District.

Loughin, E, MA PhD(Edinburgh), Postdoctoral Researcher, Tutor, History and Classic/Lifelong Learning, Edinburgh and Adult and Continuing Education, Glasgow. Research in Greece and the UK on The Mervyn Popham Minoan Pottery Archive Project.

Luke, P J, BSc MSc, Lecturer in Department of Accounting, Economics and Finance, Abertay Dundee. Research on labour market policies in the Baltic countries and the Russian Federation.

McCarthy, J P, BA BPI, Senior Lecturer, School of Town & Regional Planning, Dundee. Research in the UK on “Cultural quarters for urban regeneration: a comparison of practice in the UK”.

MacDonald, A R, MA PhD, Lecturer in Early Scottish History, Dundee. Research on the Scottish burghs and parliament (1500-1650).

McDougall, J R, BA MSc PhD, Senior Research Fellow, School of Built Environment, Napier. Field work in Hungary on modelling of a landfill site.

McGlinchey, S, BSc PhD, Lecturer in the School of Information and Communication Technology, Paisley. Research in London on automatic post-processing of motion capture data. Award

McGonigal, A, MBChB(Glasgow), Honorary Clinical Teacher, Institute of Neurological Sciences, Glasgow. Research in France on electroclinical evaluation of extra-temporal epilepsy.

McGuigan, N, BSc PhD, Teaching Fellow in Psychology, St. Andrews. Research in Fife on pre-school children’s understanding of partial occlusions.

MacIntyre, C, BA(Open University) PhD(Stirling), formerly Senior Lecturer in Educational Studies, Edinburgh, now semi-retired. Research in Ireland on children’s perspectives of support provided for learning difficulties.

McKay, G, BSc PhD, Lecturer, Mathematics, Strathclyde. Collaborative research in Italy on mathematical modelling of defects in liquid crystals.

McKeown, M P, MA MLitt(St Andrews), Postgraduate student in Modern Languages, St Andrews. Research in Spain on the writer Carmen de Burgos, 1867-1932.

MacKinnon, D F, MA PhD, Lecturer in Human Geography, Aberdeen. Research in Wales and Northern Ireland on their devolution and transport policy.

McLeod, G W, BSc(Glasgow), Carnegie Scholar in Division of Earth Sciences, Glasgow. Research in the Hebrides of Scotland and in Northern Ireland on silicic volcanism and epiclastic processes in the British Palaeogene Province.

MacLulich, K K, BCom MA PhD, Lecturer, School of Management and Languages, Heriot-Watt. A pilot study of how local professional competence is developed in Central and Eastern Europe.

McManus, F, MLitt LLB, Professor of Law, Napier. Research on noise pollution in Belgium.

McMaster, R, BA PhD, Senior Lecturer in Economics, Aberdeen. Research in the US on an alternative economic approach to health care issues.

McNair, B, MA MPhil PhD, Reader in Film & Media Studies, Stirling. Research in the US on the producers' perspectives on mapping the global public sphere.

McRoberts, N, BSc PhD, Reader in Systems Ecology, Scottish Agriculture College, Ayr. Collaborative research at Ohio State University on the statistical analysis of plant disease severity data.

McSweeney, K J, BA PhD(Edinburgh), Research Fellow in Archaeology, Edinburgh. Research on the demography of late Neolithic and Bronze Age populations in Romania.

Maddern, J F, BA, Lecturer in Human Geography, Dundee. Research in New York on constructing contemporary celtic identities: a case study.

Main, B G M, BSc MBA MA PhD, Professor of Business Economics, Edinburgh. Research at Stanford on compensation arrangements for top executives.

Mair, D, MA PhD, Professor (part-time), School of Management and Languages, Heriot-Watt. Research visit to Moscow State University to explore the post Keynesian public finance paradigm to Russian economy.

Mairs, K A, MA MSc(Edinburgh), Postgraduate student in the School of GeoScience, Edinburgh. Research on farm settlement and abandonment in Vestur-Eyjafjallasveit, Iceland.

Major, A, MA MSc(Edinburgh), Postgraduate student in History, Edinburgh. Research in London and Oxford on issues of social reform, in particular those relating to women in India in the early twentieth century.

Marouda, M, MA (Greece) MSc (Edinburgh), Postgraduate student, School of Social and Political Studies, Edinburgh. Research in Vietnam on the re-emergence of historic ritual religious practices as part of social modernisation.

Mannings, D, BA PhD, Professor of the History of Art, Aberdeen. Research in Venice to complete an article on Joshua Reynolds (1723-92).

Marranci, G, BA MA PhD, Lecturer in Anthropology of Religions, Aberdeen. Research in Scotland on the practice of Islam in Scottish Prisons.

Marshall-Ball, L, BSc(Aberdeen), Postgraduate student in Biology, St Andrews. Research in Madagascar on the foraging behaviour of Commerson's leaf nosed bat.

Martin, I S, BA MSc, Reader in Adult Community Education, Edinburgh. Research in Bangladesh on community education in very poor communities.

Martin, M L, PhD, Senior Lecturer, Department of German, School of Modern Languages, Glasgow. Archival work on Benedikte Naubert's *Die neuen Volksmärchen der Deutschen*: Contexts, Strategies, Solutions.

Maxwell, G A, BA MPhil, Senior Lecturer in Human Resource Management, Glasgow Caledonian. Research in the UK on strategic human resource management in the UK's best employers.

Memon, A, BSc PhD, Professor of Psychology, Aberdeen. Research in Scotland and Australia on interviewing child witnesses.

Missa, O, PhD, Temporary Lecturer in Biological Sciences, Aberdeen. Pilot study in Australia of ant communities as indicators of forest history.

Moeller, M, MSc PhD(Edinburgh), DNA Analyst/Cytogeneticist, Royal Botanic Garden, Edinburgh. Botanical fieldwork in Natal and Transvaal, South Africa, collecting population samples of *Streptocarpus*.

Morris, D, MB ChB(St Andrews) MRCOphth, Senior House Officer, Tennent Institute of Ophthalmology, Gartnavel General Hospital, Glasgow. Research in Kathmandu on the effect of extreme altitude on retinal function and blood flow.

Morrison, K J, MA(Aberdeen), Postgraduate student in the Department of Politics, Stirling. Research in Montenegro on national identity and division of political forces since 1918.

Morrow, S, BA CA, Senior Lecturer in Sports Studies, Stirling. Research in Scotland on the impact of Long Distance Footpaths on use of the countryside.

Murray, I M, MA PhD, Professor in Modern Scottish Literature, Aberdeen. Archival research in Edinburgh and travel to hold in-depth interviews with Scottish writers.

Nagy, E, MD MA PhD, Lecturer, Department of Psychology, Dundee. Research in Paris and Crete on a cross-cultural study of communication development from the 'first dialogue' at birth to 12 months.

Najman, Y, BSc(Edinburgh) PhD(Edinburgh), Lecturer, Environmental Science, Lancaster University. Research in India on India-Eurasia collision and Himalayan evolution from the sediment record.

Napier, F, BSc(Abertay Dundee), Project assistant in the Urban Water Technology Centre, Abertay Dundee. Research in the US on water quality impacts of surface water discharges from urban areas.

Nethercott, F M, BA MPhil PhD, Lecturer in Modern European History, St. Andrews. Research in Russia on the influence of Vladimir Solov'ev on legal order before and after Communism.

Newton, L J, BA PhD, Reader in French, Glasgow. Research in France on Emile Zola and the Sources of the novel Nana.

Newton, M, BA (University of California) PhD(Edinburgh), Adjunct faculty member in the School of Continuing Studies, Richmond, USA. Research in Scotland to produce an edition of essays, and list of publications and recordings by Dr. John MacInnes.

Norman, R A, BSc PhD, Senior Lecturer in Mathematics, Stirling. Research in Oxford on mathematical models of the role of mammalian hosts in bovine tuberculosis.

O'Donnell, R, BSc BArch MArch (Strathclyde), Independent researcher. Research in New Zealand on the architect James Salmon.

O'Neill, M, BCL LLM MEd, Lecturer in Law, Abertay Dundee. Research in Brussels on the European Community's Trade Barrier Regulation.

O'Reilly, S M, BA PhD(St Andrews), Teaching Fellow and Behavioural Sciences Course Controller, School of Psychology, St Andrews. Research in the UK and Ireland on the effectiveness of Reiki on affective status and chronic pain.

Pace, K C, MA, Senior Honorary Research Fellow, Department of History of Art, Glasgow. Research in London and Bologna on an early 17th century *imprese* volume.

Pacione, M J, BSc(Strathclyde), Postgraduate student in the Department of Computer and Information Sciences, Strathclyde. Research in Canada undertaking an evaluation of current software visualisation tools for large-scale real-world software comprehension.

Paddison, R, BA PhD, Professor of Geography, Glasgow. Research in Scotland on the Anglo-Scottish boundary pre- and post Devolution.

Parkerson, S, MPhil(Glasgow). Postgraduate student in the Department of History of Art, Glasgow. Research on framing methods with Bill Adair in Washington.

Parkinson, J, MA(St. Andrews), Self-funded postgraduate student in Modern Languages, St. Andrews. £800. Research in Florence on early Italian and Roman linguistics. Award £400.

Paterson, I B, BSc MSc, Lecturer in Computer Arts, Abertay Dundee. Research in Russia and South America on the creation of computer games based on children's traditional tales.

Peden, G C, MA DPhil, Head of Department of History, Stirling. Research into economic and strategic aspects of British responses to changing defence technology.

Peel, D M, BA MA, Teaching and Research Fellow, The Geddes Institute, School of Town and Regional Planning, Dundee. Research in Tokyo examining the Japanese experience of coastal intervention.

Pitsiladis, Y P, BA PhD, Lecturer in Physiology, Glasgow. Research in Kenya on the hypocaloric diet of Kenyan endurance runners.

Pollard, D, MA MEd MBA, Senior Lecturer in Management, Abertay Dundee. Research into financing SME start-ups and SME growth in China's Pearl River Delta.

Prave, A R, BS MS PhD, Senior Lecturer, School of Geography and Geosciences, St Andrews. Research in Namibia on the evolution of biomineralisation and the advent of multicellular life.

Priestley, M R, BA MEd, Lecturer in Education, Stirling. Research in New Zealand on teacher identity and the social subjects.

Puchan, H, MSc PhD, Lecturer in Film and Media Studies, Stirling. Research in centres in the UK on the media and the rise of extreme sports.

Pudelko, M, PhD, Lecturer in International Business, Edinburgh. Research in New York on cross-national differences in human resource management practices.

Rapport, M, MA PhD, Lecturer in History, Stirling. Research in France on “Propaganda, public opinion and the Napoleonic state: the French response to Trafalgar and Austerlitz, 1805-6”.

Regan, J M, BA PhD FRHist.Soc, Lecturer in History, Dundee. Research in Ireland on the impact of the Northern Ireland crisis on southern nationalism.

Reid, F, MA MSc, Lecturer in Sport, Abertay Dundee. Research on comparative levels of sport participation in Scotland and New Zealand.

Richardson, C, BA MA(Glasgow School of Art), Senior Lecturer in Fine Art, Oxford Brookes University. Research in Scotland on conceptual and minimalist art in Scotland from 1960-1979.

Richmond, O P, PhD, Lecturer in International Relations, St Andrews. Research in the US towards the completion of a book entitled *The Transformation of Peace and War*.

Robb, A M, DA MA, Professor of Fine Art, Duncan of Jordanstone, Dundee. Research in Brazil into Religious Iconography and Folk Myth.

Robertson, A H F, BSc MA PhD, Professor of Geology, Edinburgh. Research in Turkey on the processes of continental collisional: tectonic-sedimentary and magmatic evolution of the Bitlis Suture Zone.

Robertson, P B, BA, Senior Curator, Hunterian Art Gallery, Glasgow. Research on the work of Frances Macdonald McNair and James Herbert McNair in Liverpool and Dublin.

Robinson, R A J, BSc PhD, Lecturer in Geography & Geosciences, St Andrews. Research in the Andes on quantifying late quaternary erosion rates.

Ross, C, BA MA PhD, Senior Lecturer in Politics, Dundee. Research in Russia on local government and grassroots democracy.

Salters, A, MA, previously Lecturer in Children’s Panel Training, St Andrews. Archival research in London, Cambridge and Oxford on Ronald J Still’s ‘Letters from China’.

Saval, J V, MA PhD, Lecturer in Hispanic Studies, Edinburgh. Research in Spain towards a biography of Manuel Vázquez Montalbán.

Schmid, M, PhD, Lecturer in French, Edinburgh. Research in Paris on the Influence of the Decadent Movement on the Writings of Marcel Proust.

Schriwer, C, MA(St Andrews) MA (University of London). Self-funded postgraduate student in Medieval History, St. Andrews. Research in Cyprus, Jordan and Syria on water-powered agriculture.

Shaw, E D, BA MPhil PhD, Senior Lecturer in Politics, Stirling. Research in London assessing the significance of the New Labour Project.

Sier, M B, MA MLitt(Aberdeen) PhD(Aberdeen – submitted). Post-doctoral researcher. Research in Samoa on Missionary women and their impact on Samoan culture.

Sinclair, H D, BSc DPhil, Lecturer at the School of Geosciences, Edinburgh and Gibson, M, BSc(Edinburgh), Postgraduate student in the School of Geosciences, Edinburgh. Research in Geneva on climate change and the rejuvenation of high Alpine landscapes.

Skene, K R, BSc PhD, Lecturer in Plant Ecology, Dundee. Research in North Trinidad on the functional redundancy in primary and secondary rainforests.

Smith, B R, MA(Edinburgh) and Johnston, G M, MA(Edinburgh), Independent Historians, Shetland Archives. Research on brochs in landscapes and seascapes of the north and west of Scotland. Award

Smith, F M, MA PhD, Lecturer in Human Geography, Dundee. Research in Germany on the representation of domestic German museums.

Smith, J A, BCom(Edinburgh) PhD(Abertay Dundee), Lecturer, Cardiff Business School and Reid, G C, MA(Aberdeen) MSc(Southampton) PhD(Edinburgh). Director, Centre for Research into Industry and Enterprise, Finance and the Firm, St. Andrews. Research on accounting for risk in UK Capital Contexts; a pilot study of Scottish practice.

Stack, T R, BA MSt PhD, Lecturer in Hispanic Studies, Aberdeen. Research in Mexico towards a book entitled *Places that have history: the public knowledge of Mexican towns*.

Staszczak, S, MSc(Poland)MPhil(Napier), Postgraduate student, School of Engineering, Napier. Research in Warsaw on silicon based polymers for opto-electronics.

Stewart, D W M, BA(Oxford) PhD(Edinburgh), Post-doctoral Fellow, Department of Celtic and Scottish Studies, Edinburgh. Research on the existing oral and historical tradition on the Isle of Eigg.

Steyn, M S, BA PhD, Lecturer in History, Stirling. Research in Oxford and South Africa on the political importance of the environment as an issue in the anti-apartheid movement.

Sugden, L, MA(Edinburgh), Caledonian postgraduate Scholar in Geosciences at Edinburgh. Research to assess the effects of the 8.2ka cooling event in Iceland.

Thompson, R, BSc PhD, Professor of Environmental Geophysics, Edinburgh. Research in Spain of the effects of variability of freshwater quality and climate on lake sediments in the Pyrenean Mountains.

Tiesdell, S, BA BArch MA PhD, Senior Lecturer, Department of Land Economy, Aberdeen. Research in Philadelphia and Baltimore on Business Improvement Districts.

Tinker, C, BA MPhil PhD, Lecturer in French, School of Management and Languages. Heriot-Watt. Research in France on Youth Television and Popular Music in 1960s France.

Timmins, C M, BA MA, Course leader for international design management, Heriot-Watt. Research in Cornwall towards sculpture and photography inspired by a Cornish fishing village.

Travlou, P S, BA MPhil PhD, Research Associate, OPENspace Research Centre, Edinburgh College of Art. Research in Cephalonia on visual culture and tourism and in the US investigating teenagers in the urban environment in Scotland and US.

Turcan, R, MSc(Strathclyde), Postgraduate student in Marketing, Strathclyde. Research in the UK on the de-internationalization process of small-high technology firms.

Van de Walle, G, PgDip(Napier), Postgraduate student in Human Computer Interaction, Napier. Research in Montreal on everyday computing in a group of older people.

Wachowich, N, MA PhD BA, Lecturer in Social Anthropology, Aberdeen. Research in Canada for a monograph on indigenous media and Inuit scriptwriting.

Wakely, R G, MA PhD, Senior Lecturer in French, Edinburgh. Research in Holland on French vocabulary tests.

Walker, G M, BSc PhD, Divisional Leader, School of Contemporary Sciences, Abertay Dundee. Collaborative research in California on industrial yeast physiology.

Walker, J S H, BA(Dundee) MSc(Edinburgh), Postgraduate student, School of International Relations, St Andrews. Research in Central Asia on the drug trafficking trade – the alliance between Islamic insurgency groups and drugs trafficking.

Walker, R E, BA(Liverpool Polytechnic) DPhil(Dundee), Lecturer at Glasgow College of Building and Printing. Research in New Zealand on a study of strategic land-use planning for sustainable rural tourism in New Zealand.

Walsh, J A, BSc(Ireland), BSc PhD(Glasgow), Research Assistant, School of Engineering & Science, Paisley. Research in Scotland on the geological thumbprint of roofing slates.

Watson, A M S, MA MSc PhD, Lecturer in International Relations, St Andrews. Research in Brussels and Florence on the EU's conception of citizenship and its impact on children in Europe.

Watson, D C, BA(Dundee), Postgraduate student in Modern History, Dundee. Archival research in the US on the relations between Native Americans and British Soldiers on the colonial American frontier 1763-1774.

Watterson, A, BA PhD, Professor of Health Effectiveness, Department of Nursing and Midwifery, Stirling. Research on crofting, health and wellbeing in the Western Islands.

Webster, W T, MA PhD, Senior Lecturer in German, Edinburgh. Archival research in Germany on the poetry of George Scherer (1870-71).

West, B J M, MA PhD RGN, Research Director, Centre for Nurse Practice Research and Development, Robert Gordon. Research in India on Patel elders in Charotar villages.

Wheatley, D N, BSc PhD DSc, Reader in Cell Pathology, Aberdeen. Research in New Zealand on the sensory functions of primary cilia in health and disease.

White, B T, MA(Edinburgh) MSt(Oxford), Carnegie Scholar in Modern History, Oxford. Research in France on the development of minority identities in Syria under the French mandate.

White, B T, MA(Edinburgh) MSt(Oxford), Carnegie postgraduate scholar in Modern History, Oxford. Preliminary research in the Middle East towards the development of minority identities in Syria during the French mandate, 1920-1946.

Williams, J, BSc MA PhD, Head of Department of Philosophy, Dundee. Research in Paris on understanding post-structuralism.

Wishart, R P, BA MA PhD, Postdoctoral Research Assistant in Anthropology, Aberdeen. Research in Scotland and Canada on cultural exchanges between the Scottish diaspora and the Gwich'in during the fur-trade.

Wood, D, BSc MSc, Lecturer, School of Contemporary Science, Abertay Dundee. Research in Scotland on the poetry of animal husbandry.

Young, D R, MA(Dundee) PhD(Glasgow), Part-time tutor, History, Dundee. Research within the UK on voluntary recruitment in Scotland during the Great War.

Young, I M, BSc PhD, Professor of Environmental Biophysics, Abertay Dundee. Research in the US on functional quantification of the inter-relations between microbes, water and microhabitats using synchrotron radiation.

Illustrations

Beugnet, M, PhD, Lecturer in Film Studies, Edinburgh. Grant towards colour illustrations for a monograph *Proust at the movies*.

Blanch, R J, BSc(Glasgow), Final year medical student, Glasgow. A grant towards publication of a colour illustration in a paper to be published in *Cerebral Cortex*.

Braithwaite, C J R, BSc PhD, Senior Lecturer in Earth Sciences, Glasgow, Bowes, D R, Professor, Earth Sciences, Glasgow. Grant towards colour illustrations for an article in *Lithos*.

Evans, D J A, BA MSc PhD, Reader, Department of Geography and Geomatics, Glasgow. Grant towards the colour illustrations of *The Glacial Map of Britain*.

Hills, G, BSc PhD DSc, Retired Principal, Strathclyde. Grant towards colour illustrations for *The Making of a University*.

Kennedy, S, BSc PhD, Lecturer in Pharmacology, Strathclyde. Grant towards colour illustrations in a paper to be published in the journal *Coronary Artery Disease*.

Smout, T C, MA PhD, Emeritus Professor of Scottish History, St Andrews. Grant towards colour plates in a book entitled *a History of the Native Woods of Scotland 1500-1920*.

Sugden, D E, MA DPhil, Professor, Head of School of GeoSciences, Edinburgh. Grant towards the reproduction of detailed geomorphological and glaciological maps in the *Bulletin of the Geological Society of America*.

Wright, R M, MA, Senior Lecturer in School of Art History, St Andrews. Colour illustrations for a book entitled "*Sacred Distance*": *representing the Virgin in Italian altarpieces, 1300-1620*.

Publications

Böser, U, MA PhD, Senior Lecturer, Languages, Heriot-Watt. Grant towards the publication of a book entitled *The Art of Seeing, the Art of Listening. Film and art in the work of Strabu/Huillet*.

Campbell, J. BA PhD, Reader in French, Glasgow. Grant towards the publication of a book entitled *Questioning Racinian Tragedy*.

Chambers, H E, MA PhD, Professor of German, St. Andrews. Grant towards the publication of *Violence, Culture and Identity in Germany and Austria* – a volume of edited essays.

Dickson, J H, MA(Aberdeen) PhD(Edinburgh), Honorary Postdoctoral Fellow, School of Literatures, Languages and Cultures, Edinburgh. Grant towards the publication of a book entitled *When piping was strong: tradition, changes and the bagpipe in South Uist*.

George, J A, PhD, Lecturer in English, Dundee. Grant towards the publication of Bahram Beyza'i's *The Marionettes*: a critical edition.

Gifford, P, MA DL, Professor of French, St. Andrews. Grant towards the publication of a book entitled *Genèse, intertexte, création*.

Joshua, E E, PhD, Lecturer in German, Edinburgh. Grant towards the publication of a book entitled *Friedrich Stolberg and the German Romantics*.

Rodgers, P A, BEd MA PhD, Reader in Design, Napier. Grant towards the publication of a book entitled *Inspiring Designers: Mapping the Iconic Influences of Contemporary Designers*.

Sharratt, P, BA MLitt PhD, Retired Reader in French, Edinburgh; Hon. Fellow, Literature, Languages and Cultures, Edinburgh. Grant towards the publication of book in French entitled *Bernard Salomon: Texte et Image*.

Ward, G, MA FRSA, Deputy Principal, Dundee. Grant towards the publication of a book entitled *Discovering the Future, the Inaugural Volume of the Discovery Day Lectures*.

Expeditions

Aberdeen University Conservation of the critically endangered Sheath-tailed Bat Expedition 2004.

Aberdeen University Alaska Gulf Apex Study – Kodiak Island Expedition 2004.

Aberdeen University Herpetofaunal Survey of the Minkebe Forest Expedition 2004. Expedition subsequently cancelled.

Dundee University Natural History Society Trinidad Expedition 2004.

Dundee Iceland Expedition 2004.

Dundee Duncan of Jordanstone Fine Art Study Group: Body Memory. Warsaw.

Edinburgh University Northern Adriatic Project.

Edinburgh Project Knuckles 2004.

Edinburgh Project Anuran, Phase V Expedition 2004.

Glasgow University Ecuador Expedition 2004.

Glasgow University Environment and Development in Arid Environments, Aswan, 2004.

Glasgow University Exploration Society to Trinidad 2004.

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CARNEGIE SCHOLARSHIPS

REGULATIONS

1 The Executive Committee is prepared to consider annually applications for Carnegie Scholarships in all subjects within the scope of the University curriculum. Awards are made for the support of full-time research extending over three years at a University within the United Kingdom and will not normally be made for a lesser period.

2 Applicants for Scholarships must be graduates of a Scottish University, or students who expect to graduate at a Scottish University within a short time of making their application. **A degree with First-Class Honours** is a necessary pre-requisite for consideration; in Faculties which do not award Honours, e.g. Medicine, the equivalent standard will be expected.

3 Applicants for Scholarships must be nominated by a Professor, Reader or Lecturer in a Scottish University.

4 A Carnegie Scholarship is not tenable with a Government-funded Research Studentship, Research Council award or comparable scholarship.

5 The annual value of a Scholarship will be £10,800 for the academic year 2004-2005 and will normally rise in line with awards funded by the Research Councils.

The Trust will also meet the cost of approved fees payable by Scholars to their Universities and/or Colleges. The Trust will not pay any additional allowances for dependants, but will help to defray special expenses incurred by Scholars in connection with the study or research, subject to a certificate from their Supervisor. Contributions will be made towards the cost of travel between place of residence and place of work.

6 Scholars may retain, in any one year, up to a maximum of £3,000 derived from bursaries, scholarships or prizes and may also retain fees from teaching or demonstrating up to a maximum of £3,500. All income exceeding £6,500 from these sources, taken together, will be deducted in full. Income from other sources will be ignored.

7 Scholarships will be tenable for one year in the first instance. Subject to satisfactory progress by the Scholar, they will be renewed for a second year thereafter, for a third year. The Scholars will be expected to devote their whole time to the purpose for which the Scholarship is awarded. **Applications for a period of less than three years will not be considered appropriate.**

8 Applicants are under an obligation to report without delay any awards received after the date of their application.

9 Scholars will be required to work under a supervisor, and half-yearly reports must be made by both Scholars and Supervisors. Payment of the Scholarships will be made quarterly, in advance, and will normally start on 1st October in each year.

10 The Trust will be entitled to recover a fair compensation (having regard to all the circumstances) in respect of the benefit of any intellectual property rights which are or may be derived from the research to be undertaken.

11 Nomination Forms, to be signed by the nominator and the applicant, can be downloaded from the website or may be obtained from The Carnegie Trust for the Universities of Scotland, Cameron House,

Abbey Park Place, Dunfermline, Fife, KY12 7PZ, and must be returned not later than 15th March each year. The awards will be announced at the beginning of July.

CALEDONIAN RESEARCH FOUNDATION SCHOLARSHIPS

The Caledonian Research Foundation is a Scottish charity which has supported independent research in Scotland since 1990. It was originally established in 1977 as a spinout from a scientific research organisation and as a charity, but the emphasis of its activities changed in 1990 and its interest now lies mainly in sponsoring and encouraging research in Scotland. The Foundation provides funding for Postgraduates Scholarships, which are awarded through the medium of the Carnegie Trust for the Universities of Scotland, and a range of post-doctoral fellowships and European Research Fellowships and other awards, which are made in association with the Royal Society of Edinburgh.

There is no preference for subject in awarding the Foundation's Postgraduate Scholarships, and at least one award each year is made in a non-scientific discipline.

The Caledonian Research Foundation Scholarships shall be under the charge and control of the Governors of the Caledonian Research Foundation, who retain the power to alter the rules from time to time and also to change the purpose and destination of the Scholarships.

REGULATION

The Caledonian Research Foundation Scholarships will be offered under the same Regulations as the Carnegie Scholarships (as if references to "the Trust" in the Regulation were references to the Caledonian Research Foundation), with one exception. The Caledonian Research Foundation Scholarships will be offered only to those who wish to study in Scotland.

CARNEGIE GRANTS

In terms of the Trust Deed, the Executive Committee is prepared to consider applications for grants for purposes likely to benefit the Universities of Scotland in all subjects within the scope of the University curriculum.

REGULATIONS

1 An applicant must be a graduate of a Scottish University, or an established full-time member of staff of a Scottish university. The Executive Committee can also, at its discretion, consider applications from members of staff who have retired from full-time posts in Scottish Universities and who are not otherwise eligible as Scottish graduates.

2 When the applicant is a Scottish graduate working furth of Scotland applications can normally be considered only if the project is in association with, or likely to be of specific benefit to, one or more of the Scottish universities.

3 All applications must be made on a form to be obtained from the Secretary to the Carnegie Trust, Cameron House, Abbey Park Place, Dunfermline, Fife, KY12 7PZ or downloaded from the web site. The Executive Committee of the Trust meets in February, June and November and, to ensure consideration at any of these meetings, completed applications should reach the Trust Office not later than the 15th January, May or October.

4 The applications must describe the nature of the proposed research and provide a detailed estimate of the expected cost. The Trust will require to know whether application for aid in respect of the project in whole or part has been made or will be made to any other source, and will expect that application has

been/will be made to appropriate organisations. Applicants are also expected first to have sought support from within their own University, whether from Travel and Research Funds or from their Faculty, Department or other cost centre.

5 Application may be made for assistance towards the cost of publication of books. Such assistance normally takes the form of a guarantee against loss on publication and is subject to such conditions as the Trust may determine in each case. Enquiry as to guarantee arrangements should be made to the Trust Office before submission of the claim. See **Publication Regulations**.

6 Grants not exceeding three-quarters of the estimated cost to the applicant may be given in aid of colour illustrations. The application must state why colour illustration is essential.

7 By accepting a grant applicants undertake to pursue the approved programme and to send to the Trust a brief report on the project on completion of the research, and copies of any subsequent publications resulting from the work. An application for a grant to be used by collaborators on the same research must be signed by each, but one of their number shall be responsible for the conduct of the research and for correspondence relating to it. A grant made to one worker for a specific purpose cannot be transferred to another worker without the consent of the Trust or used for another purpose.

8 In addition to grants for personal research, the Trust will also be prepared to consider applications for larger grants or topics that will be of benefit to the Scottish universities for which separate Regulations exist. Prospective applicants under this head should first discuss the proposed research with the Secretary of the Trust. See **Larger Grant Regulations**.

The Executive Committee establishes from time to time within the framework of the Royal Charter and the General Regulations overleaf the priorities and restrictions to be accorded to various types of research support.

Grants are intended to provide expenses, or part thereof, directly concerned with and necessarily incurred in the pursuit of a qualified individual's personal research. The normal maximum of such awards is £2000. Grants will not be awarded for full-time maintenance or for salary supplementation.

Grants can only be made to persons qualified under Regulation 1, for research undertaken by themselves; payment of research assistants, technical or secretarial help or dependants is precluded.

The Trust is prepared to consider applications for support of personal research and has an interest in approving pilot studies. Therefore established lines of research arising therefrom, and projects pursued from year to year over a period of time are not appropriate for Trust support. The Executive Committee is not prepared to consider more than three applications within any five year period.

Postgraduate students or postdoctoral workers on full-time research appointments funded by some organisation other than the Trust will not be eligible for expenses in respect of their research programme. Where the postgraduate research is supported by means of a scholarship or fellowship from one of the Scottish Universities, or is self-funded, the Executive Committee can at its discretion, consider claims for support.

Grants will not be made towards travel to or attendance at conferences, symposia and similar meetings.

The Trust will not normally award the full amount of any claim for research travel if the University or appropriate cost centre does not contribute.

When an applicant proposes to be overseas in connection with attendance at a conference or study leave, an application may be submitted for a grant towards the additional cost of travel (including subsistence) for research purposes within the country or countries involved. Such internal travel must be concerned

with the applicant's research, and costed outwith the expenses of attending the conference or of study leave.

Where an applicant is not attending a conference or other meeting, grants may be made towards the cost of travel from the United Kingdom to the country where the research is being undertaken, but applicants are expected first to have sought travel costs from other sources, including their own Universities.

There are certain specific exclusions. Costs of apparatus, consumables, equipment, bench fees, computing, radio-carbon dating and similar services will not be considered. Payments for insurance, secretarial expenses and incidental copying are not admissible. Where copies of rare inaccessible archive material are essential for study, the Trust may consider claims, but will require that the copies become the property of the applicant's University Library.

Where applications involve travel and/or subsistence, applicants are expected to take advantage of concessionary fares where available and to claim subsistence at rates which are no higher than those given in the '**Research Grants : Notes of Guidance**'.

LARGER GRANTS

REGULATIONS

1 The Executive Committee of the Trust has introduced a category of Carnegie Larger Grants, up to a maximum of £30,000, for projects that are seen as being of benefit to the Scottish Universities as a whole or, in the case of subjects such as medicine which are studied in only a few universities, those Universities with an interest in that field. This is seen as the principal criterion and applications which do not satisfy it cannot be considered. Applications must indicate clearly the benefits to the Scottish Universities that are likely to accrue.

2 Applicants must be graduates or members of staff of a Scottish University, although the Executive Committee reserves the right to accept applications from national bodies that will create the desired benefits to the Scottish universities.

3 It is not the intention that the Trust should serve as a fifth research council, and the Trust will not consider applications that are appropriate for submission to a research council or which have been submitted to such bodies and failed to obtain funding.

4 A Larger Grant may be used to support posts, including secretarial and technical staff as well as research staff, travel and subsistence. It may be used also for the acquisition of equipment, provided that this is a minor feature of the proposed budget

5 Although a project and associated staff might be based in one of the Scottish Universities, the Trust will take into account the extent to which the support of other Universities is expressed in contributions in money, in personnel or in some other material way. Written expressions of support will not be sufficient.

6 The Executive Committee's preference is that the Trust shall not be the sole source of external funding for a project although the absence of such funding is not a barrier to submission. Applicants should indicate what other funds they have sought or obtained. They should also indicate whether the application is a new project and, if not, provide information on its origins, progress and funding to date, and expected terminal date.

7 Prospective applicants are invited to discuss their proposal with the Secretary of the Trust, who will also be prepared to advise on draft submissions.

8 There is no application form and applicants should provide sufficient details on the objectives and methodology to be used to permit an appraisal by an expert not familiar with the project. They should

also provide an abstract not exceeding one sheet of A4. Applications should not exceed four pages of A4, and six copies should be provided of any supporting documents.

9 Applicants should give the names of four referees, two of them furth of Scotland, able and willing to comment on the academic/scientific merits of what is proposed. The Executive Committee reserves the right to seek the views of other experts.

10 Applications will be considered by a small working group of Principals and Appointed Members, who will make recommendations to the next meeting of the Executive Committee. Applications must therefore reach the Trust by October 1st, or March 1st, for consideration at the meetings at the end of February and June respectively. Applicants may be invited to give oral evidence.

11 Successful projects may extend over more than one year, with the grant being paid in annual instalments. The Trust reserves the right to terminate a grant if a project fails to make satisfactory progress. Grantees must submit a report at the conclusion of the project; where this extends over more than one year, an annual progress report (one sheet of A4) is required.

ASSISTANCE WITH THE PAYMENT OF FEES

The scheme derives from the intention of the Trust Founder, Andrew Carnegie, 'to render attendance at the Universities of Scotland and the enjoyment of their advantages more available to the deserving and qualified youth of Scotland to whom the payment of fees might act as a barrier'.

The Trustees, having regard to the provision of the Trust Deed, have established the following regulations:

1 Application can be made only in respect of study at one or other of the Scottish Universities and, in all cases, courses of study acceptable for Trust support must be directly connected with the acquisition of a **first** Degree from a Scottish University. Access courses and those for second first degrees, postgraduate qualifications and sub-degree qualifications cannot be supported nor can those for Open University Degrees. Claims must be made only in respect of University fees. Claims for maintenance cannot be considered.

2 Applicants may receive either the full fees for the relevant year of study or such part thereof as may appear appropriate having regard to all the circumstances disclosed.

3 Applicants must be of Scottish birth or extraction (at least one parent born in Scotland), or must have had at least two years' education at a secondary school in Scotland.

4 No course of study will be recognised for fee assistance unless the applicant is required to become a matriculated student before starting the course.

5 Applicants must normally have passed the examinations relating to the previous stage of their curriculum before being eligible for further assistance. Assistance will not normally be given to students whose Students' Allowance or Local Education Authority awards have been withdrawn or suspended owing to examination failure or where the applicant has withdrawn from a course. If a claim is submitted by such applicants, full particulars must be given of any exceptional circumstances that may be held to account for such failure or withdrawal.

6 Applications should be made on the accompanying form and returned to the address overleaf after April 1st in the year in which the course starts. The Trust requires that admission to the course has been confirmed by the University. Individual claims will not be acknowledged, but applicants will be notified as soon as reasonably possible after submission of the claim. No claims can be considered after October 1st unless a satisfactory explanation for lateness is given.

7 A voucher for the appropriate amount will be sent to the successful applicants along with the letter of award. These vouchers should be presented to the University at the appropriate time.

GUIDANCE FOR APPLICANTS. Applicants must read the following notes before completing the application form. Application forms not completed in accordance with the notes below may not be submitted to the Trustees for consideration.

All applicants must give details of their academic record and merit, including school achievement, and must furnish the names of two referees who are familiar with the application and willing to give the Trust a confidential account of academic performance.

It must be further shown, to the satisfaction of the Trustees, that the requirement to pay fees is likely to produce such an element of hardship as might prevent study for a degree, taking all the relevant personal circumstances of the applicant into account.

Applicants who have not secured acceptance for the course of their choice will not be considered until they are in a position to sign, as the form requires, that they have been admitted.

Applicants who have also applied to some body other than the Trust, will not be given a Trust decision until the outcome of such other claims has been notified. Responsibility for notifying the Trust rests with the applicant.

Applicants should state why they think the Trust should provide assistance, having regard to the requirements of both merit and hardship and explaining why they wish to pursue the course for which they have been admitted. (This can be detailed on page 4 of the application form or on a separate sheet).