

THE CARNEGIE TRUST  
FOR THE UNIVERSITIES OF SCOTLAND

ONE HUNDRED AND SECOND  
ANNUAL REPORT  
2002-2003

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

**ONE HUNDRED AND SECOND ANNUAL REPORT**

For the year to 30 September 2003

Submitted by the Executive Committee  
to the Trustees on 23 February 2004

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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

2002-03

### TRUSTEES

#### Nominated Members of the 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.

**Judge David Edward** CMG QC LLD Drhc DUniv FRSE - Chairman March 2003-. Trustee since 1996. At the date of the Report, the Chairman was a Judge of the European Court of Justice. (He retired at the end of December 2003.) 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 and of the United Kingdom Association for European Law.

**Lady Balfour of Burleigh** MA DPhil LLD DLitt FRSE. Trustee since 1994. Non-executive Director of Cable & Wireless plc; the Scottish American Investment Trust plc, the Scottish Oriental Smaller Companies Trust plc; Murray International plc; the Nuclear Generation Decommissioning Fund Ltd; NMT Group plc, BPB plc; and Stagecoach plc. Fellow of the Royal Society of Edinburgh, a Trustee of the National Library of Scotland and Chairman of the Scottish Cultural Resources Access Network, the City/Whitehall Seminar, the March Dialogue, and the Scottish Museums of the Year Award.

**Ewan Brown** CBE MA LLB CA DUniv FRSE FCIBS. Trustee since 1991. Director of Noble Grossart Ltd and non-executive chairman of Lloyds TSB Scotland and Transport Initiatives Edinburgh. 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** BA 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; 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. Chairman of the Entrepreneurial Exchange and 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. Deputy Chairman of SMG plc, Vice Chairman of the UHI Millennium Institute and a Trustee of the University of Aberdeen Development Trust.

**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 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

Glasgow University - Professor Sir Graeme  
Davies BEng MA PhD ScD FEng FRSE

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

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

Napier University – Professor John Mavor  
BSc PhD DSc FRSE FEng –until December  
2002

Professor Joan Stringer CBE BA PhD DLitt  
FRSA FRSE– from January 2003

Paisley University - Professor John Macklin  
BA PhD

Robert Gordon University - Professor William  
Stevely BSc DPhil FIBiol

St Andrews University - Dr Brian Lang MA  
PhD FLA

Stirling University - Professor Colin R Bell  
BA MSc FRSE – deceased April 2003.

Professor Christine Hallett MA PhD FRSE  
(Acting Principal and Vice Chancellor) from  
May 2003

Strathclyde University - Professor Andrew  
Hamnett BA DPhil FRSE

### **The First Minister\*, Scottish Executive**

Assessor for the First Minister - Hamish Robertson CB MBE MA – from February 2000 until January 2003. – from February 2003 – vacancy.

### **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**

Sir Lewis Robertson – Chairman 1990 - 2003  
Judge David Edward - Chairman - March  
2003

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

John D Embrey FCA – retired May 2003

David J Kirkpatrick BSc FFA

David C Ritchie BSc FFA

Sir Lewis Robertson – retired February 2003

Edward A W Tulloch BSc

Maxwell C B Ward MA – appointed July 2003

## **AUDIT COMMITTEE**

Eileen A Mackay – Chairman  
Ewan Brown  
Lord Cameron of Lochbroom

Professor Joan Stringer  
Sir Lewis Robertson - retired February 2003  
Judge David Edward – appointed March 2003

### **Secretary and Treasurer**

Sir John P Arbuthnott ScD FIBiol FRCPATH FRSE HonFRCPs(Glasgow)

### **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 SECOND ANNUAL REPORT OF THE EXECUTIVE COMMITTEE TO THE TRUSTEES**

It is both an honour and a pleasure to introduce the Annual Report for this my first year as Chairman of the Trust.

I must begin by emphasising yet again the immense debt of gratitude that the Trust owes to my predecessor Sir Lewis Robertson who retired as chairman in the spring of 2003. This has been borne in on me all the more intensely during my first few months as Chairman and we are delighted that he has agreed to continue as a trustee; so that we can still have access to his wisdom and unerring judgement.

We have marked Sir Lewis' service to the Trust, extending over a period of 40 years, by striking the Robertson Medal which will be awarded each year to the highest ranking candidate for a Carnegie Scholarship. We were able to thank him personally, and to present him with the first strike of the medal, at a special dinner held in his honour on 4 April 2003 in the Raeburn Room at the University of Edinburgh.

I am looking forward to becoming much more fully involved when I retire as a Judge of the European Court of Justice at the end of 2003. But working from Luxembourg has made me keenly aware of the extent to which the Trust depends on the dedication of its administrative team. Compared with the executive of other institutions administering funds on this scale, our team is tiny, consisting only of the Secretary and Treasurer, Professor Sir John Arbuthnott, the Bursar, Kate Ellis, the assistant Secretary, Jackie Gray, and her assistant, Julianne Black. The Secretary's Report is testimony to the enormous range of activities that they undertake in the course of a year, and the Trust's business could not have been conducted as smoothly and efficiently as it has without their competence and enthusiasm.

In spite of the continuing volatility of stock markets the performance of the investment funds relative to the benchmarks has been reasonable. Particular thanks are due to the Investment Committee which has worked hard with our investment managers, Martin Currie, to achieve this. I would also like to record our warm thanks to Mr John Embrey for his services as a member of the committee and to welcome his successor Mr Max Ward.

As the Secretary's Report emphasises, investment markets have been and remain uncertain. Despite this, investment income has grown and is on target. Looking ahead, however it is likely that total income from the endowment will hover around the figure of £2 million for the foreseeable future. So we must look at all possible ways of increasing our income. In that connection, one of our trustees, Mr Tom Hunter, took a strategic initiative in organising a most enjoyable and successful celebration of the centenary of our founder, Andrew Carnegie, at the Royal Museum of Scotland. It served to remind a wide cross-section of Scotland's political, business and academic communities what personal philanthropy can achieve for Scotland, and brought together different branches of the "Carnegie family" here and abroad. By recharging our collective batteries, it encouraged us to explore new ways of promoting the aims of the founder.

The Trust owes a considerable debt to all those who are prepared to give up valuable time to serve as trustees, especially to those nominated trustees who serve on the Executive Committee and other sub committees and working groups. The newly established Audit Committee, chaired by Eileen Mackay and serviced by the Bursar has already established a busy agenda. In addition to its role in assuring good governance, its work will be of assistance to the Chairman in the review of our strategy and forward look.

Looking to the future, there are many facets of the life and work of the Scottish Universities, not least

the consequences of introducing “top up fees” in England and Wales, that call for a review of the Trust’s strategy. With that in view, I will be taking advice on how best to fill the three trustee vacancies.

In absolute terms, the funds that the Trust can contribute to each of the thirteen Universities are relatively small. But the value-added can be considerable, provided the contributions are properly targeted. The Principals of the Universities play a most important role in their capacity as trustees in helping us to achieve that – notably, during the past year, in helping us to assess proposals for Larger Grant and in securing the nomination of excellent candidates for the Centenary Professorship Scheme which is now in its fourth year.

This year we have been honoured by the presence of Professor Matsunaga, a marine biotechnologist from Tokyo, who spent several weeks during the summer of 2003 at Heriot-Watt University and visited several marine centres across Scotland. Professor Grant Burgess who acted as his host has provided a most interesting report of the visit for the Annual Report.

During the period 2002-2003 two Principals retired from their posts; I would like to acknowledge the very significant contributions made by Professor John Mavor of Napier University and Professor Sir Graeme Davies of Glasgow University. The trustees wish them well for a future, which will no doubt hold new opportunities for public service. I hope that their successors Professor Joan Stringer and Sir Muir Russell will enjoy their involvement with the Trust.

It was my sad duty to convey the condolences of the Trust to the University of Stirling following the untimely death of the Principal Dr Colin Bell who in his short period of office had brought great enthusiasm and new thinking to the Trust.

Although I have been a trustee and a member of the Executive Committee since 1996, there is still much that I need to learn about the workings of the Trust, and its impact on the Higher Education scene in Scotland today. I hope to visit each of the Universities during the early months of 2004 in order to get a clearer picture of the ways in which the Trust is helping their work and how it can best do so in the future. It is also important, as conditions change, to ensure that we maintain appropriate criteria for the award of grants directly to teachers, researchers and students. These are some of the issues that I will be exploring with Trustees. This will be a welcome diversion after fourteen years of European law and will ensure that I am not idle in retirement.

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

**David Edward**  
*Chairman*

## THE SECRETARY AND TREASURER'S REPORT

### Financial Statements

The muted recovery in investment markets over the past year has resulted in an increase of 8.6% in the value of the Trust's investments from £40.5 million to £44.0 million. However this follows two years that have seen substantial decreases in the value of the fund and at the time of writing there is no indication of a major upward surge in equity markets. It is nevertheless pleasing to note that in the course of the year the Trust's income from investments has increased by 8.0% to £1.788 million and that total income before management fees increased by 7.9% to £1.972 million.

The Investment Committee chaired by Dr Calum MacLeod has again maintained close oversight of investment policy and the performance of the fund, offering extremely valuable advice. In particular the Committee has pointed to the substantial challenge faced by Martin Currie, the Trust's investment managers, in meeting the Trust's target income from investments of £2million per year over the next three years. This cautionary advice is based on the combined effect of a likely slow recovery in markets coupled with the expected level of dividend yield over the period. The Committee concluded that equity holdings were the preferred investment option and that Martin Currie should be given discretion to exploit opportunities to further reduce fixed interest investments in favour of equities where appropriate. The Trust expresses its continuing gratitude to the Investment Committee for its close scrutiny of our investment portfolio and its management.

Examination of the Balance Sheet reveals that accrued income from investments has remained stable at £423,000 by comparison with £428,000 in 2002. Recoverable income tax has declined in the year in line with the reduction in transitional relief, which is now negligible.

Cash balances have increased slightly from £917,000 to £1.040 million. It should be noted that bank deposit interest of £141,000 includes interest on cash within the investment portfolio of £82,000, and some accumulated interest from previous years of £19,000 with the remainder (£39,000) coming from the Trust's own cash balances.

Expenditure by the Trust in support of its charitable purpose, namely the support of the Universities of Scotland under Clause A of the Charter at £1.284 million was slightly higher than for 2002 (£1.230 million); Clause B expenditure in support of Fees Assistance and Vacation Scholarships was £214,000 for 2003, a slight decrease from the previous year (£227,000). 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 £138,000 for 2003 were closely in line with the level of £142,000 in 2002. This represented approximately 9% of the value of awards. Management and administrative costs (£28,800) amounted to 1% of income and were less than the previous year (£31,100) reflecting the reduced cost of audit and the absence of an exceptional item. Salaries and pensions for 2003 increased by 2.3% over 2002 to £131,000.

Another expenditure item that requires explanation is the increase in the fee for our investment managers (£119,000 in 2003) by comparison with £40,000 in 2002, a change that reflects the elimination of a rebate resulting from the transfer out of holdings in Martin Currie Unit Trusts. This followed advice from the Investment Committee to move overseas holdings into UK equities. Increased yields from dividends on UK investments has more than compensated for the fee increase.

The Centenary Fund, currently valued at £1.940 million by comparison with £1.786 million, supported the cost of a single Centenary Professor in 2003 (Professor Matsunaga) as well as a charge of £700 for the costs to the Trust of hosting a meeting of the international Selection Committee for Carnegie Medals of Philanthropy in Edinburgh.

In conclusion it should be noted that the Trust's net operating surplus for 2003, (including larger legacies totalling £36,000 taken to the General reserve) was £139,200 by comparison with £99,100 in 2002.

### Activity Report 2002-2003

The Trust has again fulfilled its programme of support for the Universities of Scotland through the schemes currently in operation and in the year to September 2003 the Executive Committee approved the award of **£1,529,120** for these purposes. The table below shows the pattern of awards for the Trust's different schemes.

### Awards made in 2002-2003

		Number of Applications	Number of Awards	Amount Awarded £*
Clause A				
	Research Grants (up to £1000)	86	79	47,730
	Research Grants (up to £2000)	176	156	241,980
	Larger Grants	14	9	224,090
	Carnegie Scholarships Awarded in 2003 Scholars in post during year	120	12 30	357,865
	Expeditions	11	11	20,380
	Development Grants	-	13	420,000
Clause B				
	Fee Assistance	166	140	164,690
	Vacation Scholarships	118	89	52,385
Total			539	<b>1,529,120</b>

\*It should be noted that the amount awarded may not be claimed in full by the applicant; the net expenditure for 2002-2003 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.

The tradition of the Trust, since its inception, to provide capital support for the Universities is perpetuated in the form of the **Development Grant**. This year £420,000 was allocated for this purpose. The range of projects approved by the Chairman for individual Universities was, as usual, considerable. Often these annual grants are supplemented by other monies and, when accrued over several years, yields a sum that enables Universities to improve teaching facilities and student amenities. When viewed over a period of years the Trust emerges as one of the most 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.

Not all Universities applied to the Chairman for approval of specific projects in 2003, as in some cases it has been agreed that the University can accumulate the Development Grant against a future development. However the following synopsis shows how Universities have applied these grants this year.

University of Aberdeen towards the refurbishment of the Town House in Old Aberdeen as a University Centre.

University of Edinburgh towards additional toilet facilities for disabled persons in the Main Library and Adam House.

Glasgow Caledonian towards the building of a new Lecture Theatre to be named the *Carnegie Lecture Theatre*.

Heriot-Watt University towards funding of student 24 hour access to educational computing within their residences.

Napier University towards the capital target for the Business School at Craiglockhart via the University's Development Trust.

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

University of Strathclyde towards the development of three additional laboratories and office space in the Institute of Photonics which is situated in the Wolfson Building on the John Anderson Campus.

One of the new laboratories will be named *The Carnegie Photonics Laboratory*.

The **Scholarship scheme** provides three years of financial support for 30 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, which is regarded highly by the Universities, provides seed corn for the training of future academic staff within the Scottish Universities. The Trust is deeply 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. In order to mark the outstanding contribution of Sir Lewis Robertson, who retired as Chairman in February 2003, the Trust decided to award a medal to be known as the Robertson Medal to the student who is judged as the best applicant in any year. The first medallist will be Mrs Helen Zyw who will hold her Scholarship in the Department of Modern Languages at the University of Aberdeen. The Chairman will make the award in Aberdeen early in 2004.

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. In the current financial climate within Universities there is very little scope for staff to obtain travel funds for research and the Carnegie Research Grants provide a valuable source of travel and subsistence in support of archival research, field-work, and research planning meetings. The following highlights for 2002-03 demonstrate the range of beneficiaries and the diversity of subject area supported.

- A total of 235 applicants benefited from awards totalling £289,710
- These consisted of 176 current staff members, 24 post-graduates, 16 post-doctoral researchers, 8 retired staff, 6 independent researchers and 5 Scholars of the Trust.
- Interestingly most recipients (103) were in Arts and Humanities, 53 were from Business and Social Studies, 44 from Physical Sciences and 35 from Biological Sciences.

During the year the Trust received 66 publications in books and journals that derived from previous grant awards.

The **Larger Grant Scheme** was introduced eleven 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 9 such grants to a value of £224,090 were awarded for work in the following programmes

- Directed movement of cells
- Clinical research training
- The forthcoming Patrick Geddes exhibition
- Genomic data mining by artificial intelligence
- A new facility for the earth sciences
- The library of Scottish philosophy
- Landscape history
- New cancer treatment

- A dictionary of Scottish Gaelic.

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, even in its modified form post Cubie, 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 140 students received £164,478 in assistance; this compares with expenditure of £182,405 in support of 162 students in 2002 and £99,394 in support of 89 students in 2001. The scheme is demand led and the reason for fluctuations in numbers of applications is not clear. However the considerable press attention given to student hardship has prompted the Trust to determine 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. The Assistant Secretary has worked proactively with each University and a total of 24 students have received additional financial help this year.

The longstanding scheme whereby the Trust operates a competitive scheme for **Vacation Scholarships** to assist students in second or third year to benefit from a period of research experience is still heavily subscribed and this year 89 of 118 applicants were awarded a total of £52,385. The experience as a Vacation Scholar is often such as to convince bright students to continue with postgraduate research.

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

The income from the fund (approximately £80,000 per year) 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 Scottish 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. A single appointment was made for 2003, namely, Professor Tadashi Matsunaga from Tokyo. Hosted by the Heriot-Watt University, Professor Matsunaga's visit was very successful. His mentor at Heriot-Watt, Professor Grant Burgess, arranged a full programme of visits to marine research centres in Scotland and Professor Matsunaga's excellent Public Lecture, entitled, "Marine Biotechnology: Putting Marine Biology to work" was well attended. Professor Burgess's report of the visit is included in the Annual Report. In January 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 events of the year**

As signalled in last year's Annual Report, Sir Lewis Robertson retired from the Chairmanship of the Trust. Sir Lewis' very considerable contribution to the affairs of the Trust over a continuous period of over 40 years was marked by a dinner held in his honour in the Raeburn Room at the University of Edinburgh on 4 April at which the incoming Chairman, Judge David Edward paid handsome tribute to Sir Lewis' leadership and wise counsel. It is particularly pleasing that Sir Lewis remains as a Trustee.

One of our Trustees, Mr Tom Hunter initiated and hosted a centenary celebration in recognition of the 100 years of philanthropy that has resulted from the benefactions of our founder Mr Andrew Carnegie. A spectacular Dinner was held in the National Museums of Scotland on 8 May 2003, which was attended by some 150 guests who included the Chancellor of the Exchequer, the First Minister, Members of the Scottish Parliament, as well as leaders of the Business and Academic communities of Scotland. In what was a landmark event, the Chancellor, delivered a speech of real passion, highlighting the impact of Andrew Carnegie's philanthropic work and exhorted present day Scots to emulate his example by giving serious consideration to the creation of new philanthropic initiatives in support of Scottish creativity and innovation. This was further emphasised by Tom Hunter who, in his remarks, traced the achievements of Andrew Carnegie and expressed the hope that this event would

be the springboard for concerted efforts by Business leaders and others to create a sustainable focus for philanthropy in today's Scotland. The widespread and supportive comments received since the event suggests that Tom Hunter's initiative will be followed up.

The Centenary Dinner coincided with a visit to Scotland of the Selection Committee for the Carnegie Medals of Philanthropy, which, was established following the very successful Centennial event in New York in December 2001. The Committee of six acts on behalf of the 25 Carnegie Institutions based in the United States and Europe and is charged with the task of seeking out exemplars of philanthropy from the world stage who merit recognition for the extent and impact of their philanthropy. It is intended that a small number of individuals will be honoured at a ceremony held every two years; the Carnegie Institute in Washington organised a ceremony in Washington DC in December 2003.

Finally, I would like to thank those beneficiaries of the Trust who have made contributions through repayments and legacies.

**Voluntary Repayments by beneficiaries, including legacies: 2002-2003**

	£	
Anonymous donor	2,100	Donation
A C Boswell	120	Donation
Archibald Brown	3,000	Legacy
Jacqueline Dow	120	Donation
Norman Excell	3,000	Gift Aid
John A Mayhew	33,000	Legacy
David Oliver	37	Donation
James D Wingate	303	Legacy
	<u>£41,680</u>	

**John Arbuthnott**  
*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.

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### **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 believe that the current level of the Reserve is appropriate.

Centenary Fund – a fund designated to provide funding for projects to mark 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:

	<b>Benchmark and Range</b>
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

Professor Tadashi Matsunaga (nominated by Heriot-Watt University) from the Department of Biotechnology, Tokyo University of Agriculture and Technology reported on his visit as follows:

*Despite a hectic schedule, my visit to Scotland this summer as a Carnegie Centenary Professor was one of the most enjoyable and fruitful highlights of my career. The benefits of working with colleagues in another country where the different background of culture and traditions act to stimulate the mind and exchange ideas cannot be understated. The Centenary Professorship scheme is an excellent one and I will personally be looking at ways in which Japanese Universities can also benefit from inviting Scholars to spend time in Japan for the benefit of both countries.*

### **Report on Professor Matsunaga's visit to Scotland by his host and mentor, Dr Grant Burgess, Department of Biological Sciences, Heriot-Watt University.**

This Carnegie Centenary Professorship was the first to be awarded to a Microbiologist and the only award to be made in 2003. It was also the first award to be made to a scientist in Japan. Professor Matsunaga's visit was a great success and tremendously inspiring to those who worked with him during his tenure as Carnegie Professor. The summer period consisted of a busy programme of visits to other Scottish Universities and Marine Laboratories and also to several emerging Scottish Marine Biotechnology companies where his experience and skills were transferred to other professionals in the same field. In addition to these activities, there were a series of broader based educational activities which brought the subject of Marine Biotechnology to a wider audience. This was primarily through his main Carnegie Lecture, delivered at Heriot-Watt University. Professor Matsunaga's visit also brought about and further catalysed two important developments on an international level. Firstly the closer collaboration between Scotland and Ireland in the area of Marine Biotechnology, and secondly in Tokyo at the end of September this year, the successful nomination of Scotland to host the International Marine Biotechnology Conference which will be held in 2009. This Carnegie Professorship was very timely since it came at a time of growing UK awareness within the government of the key strategic importance of Marine Biotechnology to the UK economy, and at the completion of the European Centre for Marine Biotechnology (ECMB) at Dunstaffnage in Scotland, a new multi million pound complex based at the Dunstaffnage Marine Laboratory.

We were particularly pleased to welcome not only Professor Matsunaga, but also his wife, Mayumi and daughter, Mariko, for the duration of the summer. Mariko Matsunaga is currently studying the use of microfabrication techniques in the development of novel biosensors at Waseda University in Tokyo and whilst in Edinburgh she was able to learn for the first time techniques used in marine microbiology and enzymology and to apply them to the development of chiral biosensors for pharmacologically active compounds. This is a new area now being developed between Heriot-Watt University and Professor Tetsuya Osaka, of Waseda University. Professor Matsunaga also spent time in the laboratory working on the isolation of biofilm disrupting chemicals from marine bacteria with Grant Burgess. Results obtained from these studies are being used to submit a new UK grant application on the subject. Professor Matsunaga, during his time in the laboratory was also able to contribute to teaching and discussions with postgraduate students on a daily basis and commented that this was also a welcome break from his many duties as Dean of the Faculty of Science at Tokyo University of Agriculture and Technology.

An important aspect of this visit was that the information flow was not one way. Professor Matsunaga was fascinated by and immersed himself in the History of Scotland and toured a large number of Scottish castles in only a few days! As part of this aspect of the visit Professor and Mayumi Matsunaga also took time to visit the Carnegie Birthplace museum in Dunfermline and learn about the life of Andrew Carnegie and the impact of Carnegie's life on events both in Scotland and the United States. Indeed, all those involved in the visit of Professor Matsunaga were grateful to the Carnegie family for the spirit of hard work and a burning desire for new knowledge that was instilled into the

young Andrew Carnegie by his parents, so many years ago. Something from which we as a nation are still reaping the benefits today.

Provision of new knowledge to a wider audience was the underlying theme of the Carnegie Lecture, held on 10 July, at Heriot-Watt University an event which attracted the attention of the local press. The lecture titled "Marine Biotechnology: putting marine biology to work" also attracted an audience of over one hundred which included students and staff of Heriot-Watt University, members of the public and Marine Biotechnologists from as far away as Norway. Professor Matsunaga's Centenary Lecture covered his work on the basic biology and use of marine organisms in an environmentally friendly way for the benefit of mankind using the latest biotechnological techniques. He presented his latest research findings on the use of marine bacteria and microalgae to provide industrially and medically important substances, ranging from new medicines to cosmetics and hydrogen energy. He also covered the growing area of Marine Genomics where the genetic code of marine organisms is being unravelled. The fascinating world of magnetic bacteria, which produce tiny magnets inside their cells was also presented as well as the latest advances in understanding the molecular biology of this biomineralization process. After the lecture, a buffet took place which allowed Professor Matsunaga to answer additional questions and speak more informally to his audience.

In addition to the Carnegie Lecture, Professor Matsunaga visited the Dunstaffnage Marine Laboratory and viewed the construction site of the soon to be completed ECMB, European Centre for Marine Biotechnology, with its Director Dr Jo Oliver. Scientific discussions were also held with staff of the SAMS Laboratory at Dunstaffnage where the biotechnological applications of marine bacteria and algae were discussed. In addition to this visit Professor Matsunaga also gave a presentation on his work in the area of Marine Genomics at Integrin Ltd, Scotland's first Marine Biotechnology company set up and managed by Dr Douglas Mackenzie. These discussions led to a connection between Scotland and Japan in the field of Marine Biotechnology, which was extended and strengthened during a reciprocal visit by Drs Oliver and Mackenzie to Tokyo at the end of September to discuss commercialisation of Marine Biotechnology. Collaborative discussions are also ongoing with Professor Chris Todd of the Gatty Marine Laboratory at the University of St Andrews.

In addition to the numerous activities and benefits which arose from the visit of Professor Matsunaga, upon his return, he was also able to discuss and bring to the attention of his Japanese colleagues the activities of the Carnegie Trust for the Universities of Scotland, a key process which will strengthen the UK-Japan links in Marine Biotechnology in future years.

## DEVELOPMENT GRANTS

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.

University	Development Grants 2003
Aberdeen	£37,500
Abertay Dundee	£13,400
Dundee	£31,300
Edinburgh	£61,500
Glasgow	£65,500
Glasgow Caledonian	£36,500
Heriot Watt	£19,200
Napier	£29,800
Paisley	£22,600
Robert Gordon	£23,300
St Andrews	£15,800
Stirling	£16,400
Strathclyde	£47,200
Total	£420,000

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.

**University of Aberdeen** towards the refurbishment of the Town House in Old Aberdeen.

**University of Edinburgh** 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 Caledonian** towards the building of a new Lecture Theatre to be named the Carnegie Lecture Theatre

**Heriot-Watt University** towards funding of student 24 hour access to educational computing within their residences.

**Napier University** towards the capital target for the Business School at Craiglockhart via the University's Development Trust.

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

**University of Strathclyde** towards the development (three additional laboratories and office space) of the Institute of Photonics which is situated in the Wolfson Building on the John Anderson Campus.

## 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 95 new applications in March 2003. Twelve Carnegie Scholarships and three Caledonian Scholarships were offered and accepted. Renewal of Carnegie Scholarships for a further year were offered to 20 individuals and 19 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**

Morse (nee Thomson), Tracy D, BSc, Strathclyde, 1997 (*two years only*) (2001)

Investigation of the epidemiology of *Cryptosporidium* spp in paediatric patients in Blantyre and Chikwawa Districts, Malawi

In University of Strathclyde (and Malawi) under Dr A M Grimason

### **Biological and Molecular Sciences**

Citerne, Hélène L, BSc, St Andrews, 1998 (2000)

Examination of *cycloidea*-like genes in the Leguminosae

In University of Edinburgh/Royal Botanic Garden under Dr Q Cronk

Ewing, Stewart, BSc, Glasgow, 2001 (2001)

Inbreeding and conservation practices in the Mauritius Kestrel

In University of Glasgow under Dr L Kellar

Milne, Judith M, BSc, Glasgow, 1999 (2000)

Biodiversity support mechanisms underpinning sustainable development in the floodplain of a major South American river

In University of Glasgow under Dr K J Murphy

### **Chemistry**

Kay, Euan R, MChem, Edinburgh, 2002 (2002)

Synthesis and study of mechanically interlocked organic molecules

In University of Edinburgh under Professor D A Leigh

McAllister, Laura A, MSci, Glasgow, 2001 (2001)

A new strategy for solid phase synthesis

In University of Glasgow under Dr D Procter

Manson, Steven A, BSc, Aberdeen, 2000 (2000)

The spectroscopy and bonding of highly excited small molecules

In University of Aberdeen under Dr M Law.

### **Earth Sciences**

Finnegan, Diarmid, BSc, Glasgow, 2000; MSc, Edinburgh, 2001 (2001)

The historical geography of popular science: natural history societies and field clubs in Scotland, 1830-1900

In University of Edinburgh under Professor C J W Withers

Small, Ingrid F, BSc, Dundee, 2001 (2001)

Modelling sediment fingerprinting

In University of Dundee under Dr J Rowan

### **Engineering**

Fyfe, Colin J, BEng, Dundee, 2000 (2000)

Investigation of DNAPL migration and remediation in soils using a centrifuge

In University of Dundee under Dr T A Newson.

### **English**

Lyall, Scott, E, MA, Edinburgh, 1998 (2000)

The politics of place in the work Hugh MacDiarmid

In University of St Andrews under Professor R Crawford

### **History**

Brown, Matthew D, MA, Edinburgh, 1998 (2000)

The role of the British and Irish volunteers and the independence of northern Hispanic America in the first half of the nineteenth century

In University College London under Dr C Abel

Rudge, Lindsay V, MA, St Andrews 1998 (2002)

Forms of religious life for women between the sixth and ninth centuries

In University of St Andrews under Dr J H Smith

### **History (Scottish)**

Macniven, Alan, MA, Edinburgh, 1999; MSc, Edinburgh, 2001 (2001)

Scandinavian activity and its impact in socio-political relations in the west of Scotland during the Medieval period

In University of Edinburgh under Mr Arne Kruse

### **History of Art**

Kinnear, Holly, MA, St Andrews, 1998, MLitt, St Andrews, 1999 (2001)

The work of Scottish architects who emigrated to Montreal between 1800-1914

In University of Edinburgh under Professor I B Whyte

McGourty, Colin, MA, St Andrews, 1999 (2000)

Zbigniew Herbert and the Visual Arts

In University of Oxford under Dr A Kahn

### **Linguistics**

Hauz, Christine, MA, Edinburgh, 2000 (2000)

The role of speech perception in loanword adaptation

In University of Edinburgh under Dr Mitsuhiro Ota and Professor D R Ladd

### **Mathematics and Computing Science**

Bell, Graeme B, BSc, Strathclyde, 2001 (2001)

Intentional robotic behaviour

In University St Andrews under Dr Michael Weir

Blair, Pamela N, BSc, Strathclyde, 2000 (2000)

A mathematical analysis of coagulation-fragmentation equation

In University of Strathclyde under Dr W Lamb

Cain, Alan J, MSci, Glasgow, 2002 (2002)

Presentations for subsemigroups of groups

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

Huczynski, Gregory, BSc, Glasgow, 2000 (2000)

Research in distributed systems  
In University of Glasgow under Dr P Dickman

Marsden, Craig D, BSc, Strathclyde, 2001 (2001)  
The study of boundary value problems for the bending of an elastic plate with transverse shear deformation lying on a generalised elastic foundation  
In University of Strathclyde under Professor C Constanda

Murdoch, Steven J, MA, Glasgow, 2002 (2002)  
Large-scale jointly-administered object stores  
In University of Cambridge under Professor M Kuhn

Pontin, David I, MSci, St Andrews, 2001 (2001)  
3-D magnetic reconnection of flux tubes  
In University of St Andrews under Professor E R Priest

### **Medicine**

Menagh, Gillian, BSc, Strathclyde, 2002 (2002)  
The regulation of IKKi expression and its role in the onset of bacterial sepsis  
In University of Strathclyde under Dr A Paul

Stanger, Stewart, BSc, Glasgow Caledonian, 1999 (2000)  
The effect virtual reality displays upon visual function and the implication for optometric practice  
In Glasgow Caledonian University under Dr L S Gray

### **Modern Languages**

Farrelly, Gillian N, MA, St Andrews, 2002 (2002) (*Withdrawn 30/9/03*)  
Power, mind and body in the prose fiction of Heinrich von Kleist and E T A Hoffman  
In University of Glasgow under Dr Laura Martin

### **Philosophy**

Cameron, Ross, MA, 2001, MPhil, Glasgow, 2002 (2002)  
Modality and language: Exploring the boundaries  
In University of St Andrews under Professor C Wright

### **Physics**

Angel, Andrew G, MPhys, Edinburgh, 2002 (2002)  
Statistical mechanics of large complex networks  
In University of Edinburgh under Dr M R Evans

Cran, Alexandra, MSci, St Andrews, 2002 (2002)  
Auroral particle acceleration  
In University of St Andrews under Professor E R Priest

### **Psychology**

Hulse, Judith M, MA, Aberdeen, 2001 (2001)  
Investigating the effects of emotion on eyewitness memory  
In University of Aberdeen under Drs A Memon and K Allan

## **CALEDONIAN SCHOLARSHIPS**

### **Biochemistry and Microbiology**

Paterson, Sarah C, BSc, Strathclyde, 2001 (2001)  
Can the plasma protein, AGP, abrogate ST1571 activity in CML?  
In University of Strathclyde under Dr Kevin Smith

### **Biological Sciences**

Midgley, Andrew C, BSc, Edinburgh, 1999 (2000)  
Managing Nature: examining discourses of biodiversity in Scottish nature conservation  
In University of Edinburgh under Professor C W J Withers

### **Chemistry**

Dunsmore, Colin, MSci, Edinburgh, 2001 (2001)  
Identification of high affinity ligands for human cyclophilin A using combinatorial  
synthesis and parallel screening  
In University of Edinburgh under Professor N J Turner

### **Earth Sciences**

Sugden, Lindsay, MA, Edinburgh, 2001 (2002)  
Modelling tephra transport pathways in englacial and proglacial systems  
In University of Edinburgh under Dr Nick Hutton

### **English**

Forsyth, Vikki, MA, St Andrews, 2000 (2002)  
History of the presentation of Arcadia in English and European Literature  
In University of St Andrews under Dr N Rhodes

Gairn, Louisa W, MA, St Andrews, 2000 (2001)  
Re-writing the environment: ecology and Scottish Literature  
In University of St Andrews under Professor R Crawford

### **History (Scottish)**

Tindley, Anne Marie, MA, 2001, Edinburgh; MSc, 2002, Edinburgh (2002)  
The Sutherland Estate c.1860-1920  
In University of Edinburgh under Dr E Cameron

### **History**

Adamson, David, MA, St Andrews, 1999 (2000)  
The criminal defence of insanity in England and Scotland during the long eighteenth century  
In University of St Andrews under Professor R A Houston

### **Physics**

Whiteford, Allan, BSc, Strathclyde, 2000 (2000)  
Spectroscopic and atomic modelling of heavy elements for fusion technology  
In University of Strathclyde under Professor H P Summers

## **LARGER GRANTS AWARDED DURING 2002-03**

### **A Scottish centre for interdisciplinary research on the directed movement of cells.**

Professor David Lee, Department of Psychology, University of Edinburgh, together with scientists from Edinburgh, Aberdeen, Dundee and Strathclyde.

### **Clinical research training programme for Scotland.**

Professor David Webb, Clinical Pharmacology Unit and Research Centre, Edinburgh with the Scottish Medical Schools.

### **Patrick Geddes and France exhibition and conference**

Belinda Thomson, lead applicant, Fellow in Dept of Fine Art Edinburgh; Professor Murdo Macdonald University of Dundee; Professor Siân Reynolds, University of Stirling; Elizabeth Cumming, Senior Research Fellow, Glasgow; Frances Fowle, Curator, National Gallery of Scotland; Elizabeth Laidlaw, Franco-Scottish Society of Scotland.

### **Formulating Hypotheses from Genomic Data Using Artificial Intelligence**

Dr Leslie Ball, Dr Louis Natanson and Professor Kevan Gartland, University of Abertay Dundee; Professor Peter Ghazal, University of Edinburgh; Dr Ishbel Duncan, University of St Andrews.

**A laser facility for helium analysis for geomorphological, geological and archaeological applications in the Scottish universities.** Professor Paul Bishop (University of Glasgow) and Dr Finlay Stuart (SUERC) on behalf of a consortium consisting of the University of Glasgow, the University of Edinburgh, the University of Aberdeen and the Scottish Universities Environmental Research Centre.

**The library of Scottish Philosophy.** Professor Gordon Graham, University of Aberdeen Centre for the Study of Scottish Philosophy.

**Papar project: Landscape history and agricultural innovation.** Ian A Simpson, Department of Environmental Science, University of Stirling; Barbara Crawford, Department of Medieval History, University of St Andrews, Beverley Ballin-Smith, Department of Archaeology, University of Glasgow.

**Accelerating the discovery of cancer treatments.** Professor Barry Gusterson, University of Glasgow, Dr Torsten Stein, University of Glasgow, Mr John Wilson, University of Strathclyde, Dr Ella Hunt, University of Glasgow, Dr Inga Tulloch, University of Strathclyde.

**Faclair na Gàidhlig – Dictionary of Scottish Gaelic.** Professor D E Meek, Celtic & Scottish Studies, University of Edinburgh, Convenor of the Strategy Committee for Faclair na Gàidhlig.

### **CARNEGIE GRANTS APPROVED DURING 2002-2003**

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**

Adamson, N A, BA MA PhD, Lecturer in Art History, St Andrews. Research on the identity of the École de Paris in painting and criticism, 1939–1964.

Adya, A, BSc MSc PhD, Reader in School of Contemporary Sciences, Abertay Dundee. Research visit to the Ukraine to collaborate on Electrochemical Devices.

Ali-Knight, J, MSc, Lecturer, School of Marketing and Tourism, Napier. Research in Southern Australia on consumer choice in wine tourism.

Allen, R D, MA(Aberdeen) Research Assistant and part-time postgraduate student in Psychology, Aberdeen. Research in Wales on anosognosia in brain damaged patients.

Allison, N, BSc PhD(Edinburgh), Senior Research Fellow in Coral Geochemistry, St Andrews and Austin, B, PhD, Reader, School of Geography and Geosciences, St Andrews. Research in Edinburgh on restructuring bottom temperature ranges in the Celtic Sea from data on test chemistry of foraminifera.

Allmendinger, P M, BSc PhD, Reader, Department of Land Economy, Aberdeen. Comparative research in New Zealand on environmental development; lessons for a devolved Scotland.

Alsop, G I, BSc PhD, Lecturer in Geography and Geosciences, St Andrews. Research in Namaqualand, South Africa on the geometry of folds and fabrics in a large scale crustal shear zone.

Alsop, G I, BSc PhD, Lecturer in Geography & Geosciences, St Andrews. Research in Spain on geometric folding and deformation in the Cap de Creus shear zones in Southern Spain.

Anderson, I, BSc DPhil, Lecturer, Housing Policy and Practice Unit, Stirling. Research in Cuba on community participation in new housing projects.

Andriopoulos, C, BSc MSc PhD, Lecturer in Management Studies, Aberdeen. Research in San Francisco on the paradoxes in managing organisational creativity.

Armstrong, K E, BSc(Vermont) MSc(Edinburgh), Independent researcher. Research in Burma on a pilot study of the biodiversity of Hkakaborazi National Park.

Ascough, P L, BSc(Edinburgh), Postgraduate student in Geography, Edinburgh. Research in Scotland on halocene variations in the Scottish marine radiocarbon reservoir effect.

Ashcroft, J R, BA MA PhD, Senior Lecturer in German Language and Literature, St Andrews. Research in Germany on the writings of Albrecht Dürer (1471- 1528).

Austin, E J, MA DPhil, Senior Lecturer in Psychology, Edinburgh. Joint research in Canada on emotional intelligence, emotional task performance and associations with health-related measures.

Baird, S J E, BSc PhD (Edinburgh), Research Associate, Museum of Vertebrate Zoology, University of California Berkeley. Collaborative research in Johannesburg on GIS and genetic information of the history of Australian rainforest land-snails.

Baldwin, J R, MSc PhD(St Andrews), Honorary Lecturer, School of Geography and Geosciences, St Andrews. Research in Edinburgh on hafnium-rich Zircon and related minerals.

Batchelor R A, MSc(St Andrews) Research Administrator, Geography and Geoscience, St Andrews and Smith, C, BSc(St Andrews) PhD(Open), Post-doctoral Research Fellow, Natural History Museum, London. Research in UK on the distribution of micrometeorites through 1000 million years of earth history.

Benn, D I, BSc PhD, Reader in Geography and Geosciences, St Andrews. Research in the Italian Alps on the surging of the glacier Ghiacciaio del Belvedere.

Bennett, M, BA MA PhD, Honorary Research Fellow at the Glasgow-Strathclyde School of Scottish Studies. Archival research in Campbeltown on the Cregeen papers.

Bennett, P E, BA MA, Reader in French, Edinburgh. Research in Amiens and Paris on translation of the French epic tale *Gormont et Isembart*.

Beugnet, M, PhD, Lecturer, School of European Languages and Cultures, Edinburgh. Research in Paris on the work of the film director Claire Denis.

Bingham, R G, BSc MRes(Edinburgh), Postgraduate student in Geography and Topographic Science, Glasgow. Research in Switzerland on glacier dynamics.

Birtwistle, G, PhD(Stirling), Head of Division of Marketing, Glasgow Caledonian. Research in Scotland on quick response systems in the textile supply chain.

Black, A R, BSc PhD, Lecturer in Geography, Dundee. Research in New Zealand on flood risk assessment.

Bonsall, J C, BA, Reader in European Prehistory and Head of Archaeology, Edinburgh. Research in Romania on Mesolithic populations in South-East Europe.

Bowd, G P, BA PhD, Lecturer in French, and Clayton, D W, MA PhD, Lecturer in Human Geography, both St Andrews. Research in Paris and Cambridge on the role of General Paul Azan in the French colonisation of North Africa.

Boyle, R, BA MA PhD, Deputy Head, Department of Film and Media Studies, Stirling and Haynes, R, BA MPhil PhD, Lecturer, Department of Film and Media Studies, Stirling. Research in several centres in the UK on the Football Industry in the new media age.

Bozionelos, N, MA MSc MPhil PhD, Senior Lecturer, Human Resource Management, Strathclyde. Research in the USA to develop a comprehensive model of Employability.

Bradley, D A, PhD BTech, Professor of Mechatronic Systems, Abertay Dundee. Development of a collaborative research capability in engineering design between Abertay Dundee and the Technical University of Denmark.

Bray, J D, BA MPhil PhD, Lecturer in Literary Stylistics, Stirling. Research at the University of Northern Arizona on the development of the narrative style in the eighteenth century novel.

Brown, D S, BA MA PhD, Lecturer in Modern History, Strathclyde. Archival work in Chichester and London on Richard Cobden and his relations with the Press.

Buckingham, W F, BA PhD, part-time Lecturer in Modern History, Glasgow. Research in London towards a critical edition of Captain Hugh Johnson's Afghan Journal.

Cameron, E A, MA PhD, Senior Lecturer in Scottish History, University of Edinburgh. Research in Oxford and Liverpool towards a book entitled *The New Edinburgh History of Scotland volume 10, "1880 to the present"*.

Campbell, K M, BA(Glasgow) PhD(Edinburgh), Research Fellow, Celtic and Scottish Studies, Edinburgh. Research in the US and the UK on songs from the North East of Scotland for a performance edition of the Greig-Duncan folk song collection.

Carey Miller, D L, BA LLB LLM PhD, Professor of Property Law, Aberdeen. Research in the US on legal aspects of stolen or looted artwork.

Carnegie, E, MA( Edinburgh), Lecturer School of Marketing and Tourism, Napier. Research in Australia investigating the processes involved in running and evaluating the Aboriginal site Uluru-Kata Tjuta National Park.

Carruthers, G, BA MPhil PhD, Lecturer in Department of Scottish Literature, Glasgow. Research in Ireland on the cultural and literary relations of Allan Ramsay to Ireland in the early to mid eighteenth century.

Carruthers, V A, BA, Senior Lecturer in Art History, St Andrews. Research in the UK on the history and development of the Arts and Crafts movement in Scotland.

Christofi, N, BSc PhD, Professor of Environmental Biotechnology, Napier. Research in Russia on destruction of food micro-organisms from food surfaces using microwave lamp technology.

Clasen, J, PhD, Professor of Comparative Social Research, Stirling. For research in Germany in preparation of a book entitled: *Reversal of Fortune? British and German Welfare States in the era of globalisation and europeanisation.*

Colvin, S, BA DPhil, Reader in German, Division of European Languages and Cultures, Edinburgh. Library research in Germany towards a monograph on Ulrike Marie Meinhof.

Cookson, J E, MA PhD(St Andrews), Reader, Department of History, Canterbury, New Zealand. Research in Scotland on the history of Scottish regiments.

Cope, P A, BSc PhD, Professor of Education, Stirling. Research in the USA on informal learning of musical instruments in traditional music.

Cornwall, M, BA PhD, Reader in European History, Dundee. Research in Germany on the Sudeten question as seen through the eyes of Heinrich Rutha 1900-1940.

Crawford, R M M, BSc DSc, Professor Emeritus, Botany, St Andrews. Research in Canada on plant survival under conditions of ice-encasement.

Culpin, D J, BA MA PhD, Senior Lecturer, French, St Andrews. Research into the provenance of seventeenth- and eighteenth-century French books in the State Library of South Australia.

Cunningham, I, BA, Lecturer in Human Resource Management, Strathclyde. Research within the UK on a study of employment issues in voluntary organisations.

Currie, G J R, MEd(Glasgow), retired Lecturer from St Andrews College of Education. Research in Vietnam on the conductive education to local conditions for physically handicapped children.

Curry, G B, BA PhD, Reader, Division of Earth Sciences, Glasgow. Research in New Zealand on new isotope methods for environmental monitoring.

Dent, K L, MA(St Andrews), MSc(Edinburgh), Postgraduate student in English, Edinburgh. Research on British archival material on the poet, W S Graham.

Dickinson, G, BSc PhD, Senior Lecturer, Geography & Topographic Science, Glasgow. Research in Brazil on rainforest regeneration.

Dickson, J H, BSc MA PhD, previously Professor of Archaeobotany and Plant Systematics, Glasgow (retired 2002). Research on the Tyrolean Iceman and the KDT Man in Austria and in British Columbia.

Dobson, L D S, MPhil (St Andrews), Postgraduate student in History, Aberdeen. Research in the United States on Scottish merchants of Colonial Charleston.

Duffy, J H, MA DPhil, Professor of French, Edinburgh. Research in Paris towards the production of a critical edition of Claude Simon's *La Bataille de Pharsale.*

Edwards, R G, BA PhD, Professor of Education, Stirling. Research visit to Australia to collaborate on rhetoric and policy in the field of higher education.

El-Sadek, N A, BA(Manchester) MSc(Edinburgh). Postgraduate student in the Department of Islamic and Middle Eastern Studies, Edinburgh. Research in Tajikistan on children's literature and its social perspectives.

Eley, S, BA MSc PhD, Lecturer in Sociology, Stirling. Research visit to Toronto for comparative research on the treatment of drug offenders in courts.

Elliot, M, PhD, Lecturer in Paleoclimatology, Paleoenvironments, Edinburgh. Research in Papua New Guinea on fossilised giant bivalves and corals.

Evans, D J A, BA MSc PhD, Reader, Geography & Topographic Science, Glasgow. Field-work in Canada to identify former terrestrial ice streams from glacial geomorphology.

Fernandes, M T H, BSc MSc PhD, Senior Lecturer, Department of Biological Sciences, Napier. Collaborative research in marine ecology and conservation with Eduardo Mondlane University, Mozambique.

Fowler, A D S, MA DPhil DLitt FBA, Retired Professor of Rhetoric and English Language, Edinburgh. Research in Oxford and London investigating evidence of number symbolism in Renaissance Literature.

Fowler, W, BA PhD Reader and Head of Spanish, St Andrews. Research in Mexico on the history of the Mexican Army (1821-1867).

Franks, J A, BA MLitt, Postgraduate researcher, International Relations, St Andrews. Fieldwork in the Middle East on the roots of terrorism; the Arab Israeli conflict as a case study.

Fraser, N, BA BPhil, Senior Lecturer, School of Social and Political Studies, Edinburgh. Research in Paris, Luxembourg and Washington on international comparators of public expenditure.

Freeman, M D, MPhil PhD, Lecturer in Social History, Glasgow. Research in Scotland on the history of the University settlements 1880–1950.

Frew, J, MA DPhil, Senior Lecturer in Art History, St Andrews. Research in Scotland and Italy on the Scottish architect John James Joass.

Frimpong, J, BSc MSc(Strathclyde), Doctoral Researcher/Tutor, Marketing, Strathclyde. Research in Ghana on the importance of employee service orientation in a developing country.

Gao, S, BA MA PhD, Professor in Accounting and Finance, Napier. Investigation of public sector financial risk management in China.

Ghosh, P, BA MSc(Glasgow), Postgraduate student in Marketing, Strathclyde. Research in UK, Germany and Italy into a cross-cultural study of international print advertising strategies in Europe.

Gibbs, R J, BA, Reader in History of Art, Glasgow. Research in Europe on early Bognese illumination.

Gibson, M, BSc(Edinburgh), Postgraduate student in Geology at Edinburgh. Field research of landscape development and landslide hazards in Taiwan.

Gotsi, D, BA, Lecturer in Management Studies, Aberdeen. Research on brand management in the UK charity sector.

Gowland, D A, BA PhD, Senior Lecturer, History, Dundee. Archival research in London on British policy and attitudes towards the European Economic Community, 1955-1972.

Hagan, D, BA MSc, Lecturer in Human Resource Management, Abertay, Dundee. Research in Scotland on the psychological contract within small and medium enterprises.

Hancock, E M M, BA, Assistant Programme Director of the Department of History of Art, Glasgow. Research in London on the provenance of furniture held in the Burrell collection.

Harrison, C, PhD(Edinburgh), Independent Researcher. Research in the municipal libraries of Orange, and Avignon to identify primary sources of the Provençal legend of Christmas.

Heycock, C B, MA PhD, Reader, School of Philosophy, Psychology and Language Science, Edinburgh. Research in the Faroe Islands of syntactic change in Faroese.

Hodgkin, J, BSc PhD, Lecturer in Computing Science and Mathematics, Stirling. Research in Australia on a web-based intelligent system of weather forecasting.

Hopkins, D W, BSc PhD, Professor of Environmental Biogeochemistry, Stirling. Research in Antarctica on nutrient dynamics in soils from the McMurdo Dry Valleys.

Hubbard, S F, MSc DPhil, Reader in Zoology, Dundee. Research in the Cayman Islands on the control of mosquitoes by natural plant toxins.

Hulton, N R J, BSc PhD, Lecturer in Geography, Edinburgh. Research on the mid-quaternary climate ice-sheet linkages in Patagonia.

Humfrey, P B, BA MA PhD, Professor of Art History, St Andrews. Research visit to Madrid to study the paintings of Titian.

Hunter, A C, MA PhD, Lecturer, English Studies, Stirling. Research work in USA on an edition of Stephen Crane's novel *Maggie: A Girl of the Streets*.

Hunter, A M, MSc PhD, Lecturer, Sports Studies, Stirling. Research in Australia on hypothermia and neuromuscular changes in prolonged exercise.

Hutchison, I G C, MA PhD, Reader in History, Stirling. Research in UK libraries and archives in the preparation of a book entitled *Scottish Politics 1780s – 1830s*.

Innes, S K, MA(St Andrews) PhD(Edinburgh), Honorary Research Fellow, Strathclyde, and visiting Lecturer, Gender Studies, Glasgow. Archival research in Scotland and England on a chapter entitled *Women, political participation and citizenship in Scotland 1867- 1939*.

Jackson, A, BA MA(Aberdeen), Postgraduate student and part-time tutor in History of Art, Aberdeen. Research in Venice on the 16<sup>th</sup> century artist, Paris Bordon.

Jackson, A A, MA MSc, Senior Lecturer, School of Town and Regional Planning, Dundee. Research in New Zealand on comparative environmental assessment procedures in Scotland and New Zealand.

Jackson, C C, BSc PhD, Lecturer, Department of Land Economy, Aberdeen. Comparative research in New Zealand on the operation of local planning regimes and the retail property market.

James, E K, BSc PhD(Dundee), Scientific Officer, Centre for High Resolution Imaging and Processing, Dundee. Research in Manila on C<sub>4</sub> type characteristics in wild rice.

Jeacle, I, MA PhD, Lecturer, School of Management, Edinburgh. Research in London on early 20<sup>th</sup> Century management accounting in the department store.

Jean-Klein, I E F, BA MA PhD, Lecturer in Social Anthropology, Edinburgh. Research within the UK into individuals, organisations and scholars associated with the movement for peace in Palestine.

Jefferies, C, BSc MSc PhD, Lecturer in Contemporary Sciences, Abertay Dundee and Palfreyman, J, Head of School of Contemporary Sciences, Abertay Dundee. Environmental research in China on Boyang Lake.

Jeffrey, C J, PhD, Lecturer in Geography, School of Geosciences, Edinburgh. Research on education and social mobility amongst untouchable young men in North India.

Jeffreys-Jones, R, BA PhD, Professor of American History and Head of History, Edinburgh. Research in the United States on the history of the FBI.

Felzensztein, C R F, BCom MSc (Strathclyde), Postgraduate student in Marketing, Strathclyde. Research in Scotland on a cross-country study of regional clusters of SMEs.

Jones, C A, BA MA PhD, Lecturer, School of English, Aberdeen. Research in the USA on musical enlightenment in revolutionary America.

Jones, W D, BA MSc(Edinburgh) MA, Lecturer in History and Humanities, University of North Carolina at Asheville. Research in Scotland on the political and commercial significance of the Company of Scotland's colonial entrepot established at Darien (Panama) between 1698 and 1700.

Kaul, C, BA MA DPhil/PhD, Lecturer in British and Imperial History, St Andrews. Research in the UK and India on The Empire Press Union 1909-1970.

Kay, J, BSc PhD(Edinburgh), Hon. Research Fellow in Sports Studies, Stirling. Research in the UK, Ireland and Australia on horseracing as a sporting interest for young people.

Kenefick, W, BA PhD, Lecturer in Scottish History, Dundee. Research in South Africa on the Scots and the South African labour movement in the early 20<sup>th</sup> century.

Kesby, M, BA PhD, Lecturer in Geography, St Andrews. Research in London on socio-cultural attitudes in relation to HIV infection in African migrants.

King, K J, BA PhD, Professor, Director, Centre of African Studies, Edinburgh. Research in Kenya into the new Governments approach to micro and small enterprise (MSE) development.

Kingston, P F, BSc PhD, Senior Lecturer, Biological Sciences, Heriot-Watt. Research on the polychaete fauna of the Galapagos Islands.

Kinnear, H E, MA Mlit(St Andrews), Carnegie Scholar, Architecture, Edinburgh. Research in Canada on the impact of Scottish architects in the British Empire.

Kinney, D, BA, Lecturer in Design Management, Abertay Dundee. Research in Rome on the work of Piranesi.

Langford, D A, MSc MPhil, Professor of Construction, Department of Architecture and Building Science, Strathclyde. Research in South Africa on innovation and cultural change in the construction industry.

Laurenson, M K, BA VetMB PhD, Lecturer in Veterinary Epidemiology and Public Health, Edinburgh. Research in Ethiopia on a system for oral vaccination of Ethiopian wolves and domestic dogs.

Leibovitz, J, BA(Tel Aviv) MA(Ohio) PhD Toronto, Research Fellow Department of Urban Studies, Glasgow. Research in Israel on the operation of urban-civic institutions in Tel-Aviv and Haifa.

Lemos, I S, PhD, Reader in Classical Archaeology, Edinburgh. Excavation of the settlement on Xeropolis, Lefkandi, Greece.

Leydecker, K G, BA MA DPhil, Senior Lecturer in German, Stirling. Research visit to Germany to examine the representation of divorce in the German novel from the late 18<sup>th</sup> to early 19<sup>th</sup> century.

Loingsigh, A N, BA MA PhD, Lecturer in French, Edinburgh. Research in Paris on gender issues associated with Colonial and Post-Colonial travel.

Lyon, M H, BA PhD, retired Lecturer in Sociology, Aberdeen. Research in India on marriage and migration: the working connections amongst Patel communities.

Lynch, P, BA, PhD, Lecturer in Politics, Stirling. Research in Edinburgh into policy expertise and the Scottish Parliament Committee system.

McCallum, F, MA(Edinburgh) MLitt(St Andrews), Postgraduate student in International Relations, St Andrews. Research in the Middle East on the impact of Islamic Revivalism on co-existence of Christian communities.

McCulloch, D L, OD PhD, Professor of Visual Neurophysiology, Glasgow Caledonian. Research in Los Angeles on retinal function in childhood.

McCulloch, J, BA PhD, Lecturer in Hispanic Studies, Strathclyde. Research in Madrid on the avant-garde writers of the 1920s and 1930s.

MacDonald, A R, MA PhD, Lecturer in Early Modern Scottish History, Dundee. Research in Scotland on the relationship between urban Scotland and parliament in the early modern period, 1500–1650.

MacDonald, C J, BA(Napier), Postgraduate student in Film and Media Studies, Stirling. Research in Scotland, Ireland and Wales on dialect and accent in Celtic media.

MacKenzie, D J, BSc MSc, Lecturer in Acoustics, Heriot-Watt. Research in Europe on noise and the environment in school teaching classrooms.

Mackie, I J, BSc PhD(Aberdeen), Hon. Research Fellow in Biological Sciences, Aberdeen. Research in Myanmar on migration of cave roosting bats.

McLean, G R, MA(Edinburgh College of Art), School of Landscape Architecture, Edinburgh College of Art, freelance Landscape Architect. Research in London and Amsterdam on concepts in modern landscape design.

McSweeney, K J, BA PhD(Edinburgh), part-time Research Fellow in Archaeology from October 03, Edinburgh. Research in Romania on the demography from the Mesolithic to the Bronze age in South East Europe.

Malcolm, M A, BA MPhil PhD MBA, I W Stewart Professor of Lifelong Learning, Abertay Dundee. Research in Scotland and Malaysia on learner perception in online discussion groups.

Manu, S, BSc MSc DPhil, Post-doctoral Research Fellow in Biology, St Andrews. Research in Nigeria on bird species diversity.

March, L, MA MSocSc PhD, Lecturer in Soviet and Post-Soviet Politics, Edinburgh. Research in Russia on the use of the electoral use of the internet in contemporary Russia.

Marriot, C, BSc (Reading) MSc(East Anglia) PhD(Edinburgh), Postdoctoral researcher, Centre for Tropical Diseases, Edinburgh. Laboratory work in Germany on a technique for assessing the behaviour of biting insects.

Marsden, C D, BSc(Strathclyde), Carnegie Scholar in Mathematics, Strathclyde. Research in the USA on complex variable methods for elastic plates lying on generalised elastic foundation.

Meadows, A, BSc MSc PhD MIBiol, Honorary Lecturer, Division of Environmental and Evolutionary Biology, and Meadows, P S, MA BA FIBiol, (Retired), Division of Environmental and Evolutionary Biology, Glasgow. Research in Karachi on the use of child labour in a rural village.

Mitchell, J P, MA PhD, Senior Lecturer in Divinity, Edinburgh. Research in Cambridge on media and Christian ethics.

Morran, D, BA MSc, Lecturer in Social Work, Edinburgh. Research in Australia on mandatory and voluntary programmes for dealing with violence in the domestic environment.

Morris, D, BSc(St Andrews) MB ChB, Senior House Officer in Ophthalmology, North Glasgow University Hospitals NHS Trust. Research in Nepal on the effect of altitude and acclimatization on retinal function.

Morrison, K J, MA(Aberdeen), Postgraduate student in Politics, Stirling. Research in the US and Europe on Montenegrin identity and division of political forces since 1914.

Morocco, S M, BSc(Aberdeen) MSc, Postgraduate student in Geography and Geosciences, St Andrews. Research on the OSL dating of plateau surface erosion and windblown sand re-sedimentation in the Scottish Highlands.

Morse (nee Thomson), T D, BSc(Strathclyde), Carnegie Scholar in Environmental Health, Strathclyde. A community based cohort study of children with protozoan parasitic infections in rural Malawi.

Moss, M, MA, Research Professor, Faculty of Arts, Glasgow. Research in Yale on the papers of Sir Alexander Boswell.

Mulford, A L, BSc(Bogota-Columbia), PhD(Heriot-Watt), Volunteer Researcher National Museums of Scotland. Marine survey work along the South American coast on plankton specimens, especially Chaetognaths.

Muneer, T, BEng MSc PhD DSc CEng, Professor in Energy Engineering, Napier. Research in India on the use of renewable energy.

Murphy, S A, BA MA PhD, Lecturer in English and Film Studies, Aberdeen. Research in the USA on the poetic works of Medbh McGuckian.

Mutapi, F, BSc DPhil, Research Fellow, Institute of Cell, Animal and Population Biology, Edinburgh. Research in Zimbabwe on immunity to schistosomiasis.

Nades, B L, BSc MPhil, Senior Lecturer/Senior Nurse, School of Acute and Continuing Care Nursing, Napier / West Lothian Healthcare Trust. Research in Norway and Portugal on the impact of legislation regarding the procurement of organs for transplantation on health care professionals.

Newton, L J, BA PhD, Reader in French, Glasgow. Research in Paris and Aix on the depiction of Cézanne in 19<sup>th</sup> century fiction.

Nichols, T R, BA MA PhD, Lecturer in Art History, Aberdeen. Research in Amsterdam on 16<sup>th</sup> and 17<sup>th</sup> century artwork featuring beggars in early modern Europe.

Nienow, P, BA PhD, Lecturer, Department of Geography and Topographic Science, Glasgow. Research in Switzerland on the impact of snowpack hydrology on ice dynamics.

Nicholson, L, BSc(Edinburgh), Postgraduate student in Geography and Geosciences, St Andrews. Fieldwork in the Italian Alps on glacier surging.

Noble, A A J, MA(Aberdeen) DPhil, retired Lecturer in English, Strathclyde. Archival research in the UK on a computer-aided edition of Scottish Radical Poetry of the 1790s.

Nugent, P C, BA MA, PhD, Senior Lecturer in African History, Edinburgh. Research in Africa on the divided peoples of the Senegal-Gambian border.

O'Ceallachain, E, MA PhD, Lecturer and Head of Department, Italian, Glasgow. Research in Florence for an anthology of modern Italian poetry *Twentieth Century Italian Poetry: A critical Anthology*.

O'Donnell, A J, BA MSc, Lecturer in Nursing and postgraduate student, Dundee. Research in Germany on conflict situations in nursing care and governance.

Orr, L C, BSc, MSc, Lecturer, School of Nursing and Midwifery, Dundee. An investigation in Australia on the UN Convention on the Rights of the Child and drug treatment services for young people.

Osborne, P E, BSc DPhil, Senior Lecturer, Biological and Environmental Sciences, Stirling. Research in Russia on monitoring the behaviour and survival of great bustard chicks.

Oslender, U, MA(Glasgow), PhD(Glasgow), Postdoctoral Research Fellow, Department of Geography and Topographical Science, Glasgow. Research in Columbia on the impact of the armed conflict on Colombia's black communities.

Parish, D M B, BSc PhD, Honorary Lecturer, Dundee. Head of Lowland Research Project, Game Conservancy Trust. Research in the UK on population control of the Blue Willow beetle.

Pate, J, MA MSc PhD, Lecturer in Human Resource Management, Abertay Dundee. Research in Dublin and Aberdeen on the psychological contract of expatriate employees.

Peden, G C, MA DPhil, Professor of History, Stirling. Research in Glasgow and London on the management of the Scottish economy from 1919-2000.

Pedriali, F G, Dott.Lett, Lecturer in Italian Studies, Edinburgh. Research in Italy on the Gadda Archives.

Penman, M A, MA PhD, Lecturer in Medieval History, University of Stirling. Research in Canterbury, Oxford and London on Scottish medieval pilgrimage to Canterbury.

Penn, M G, BSc MSc(Edinburgh) PhD, GIS specialist, Natural History Museum. Research in Belize on botanical collections from Victoria Peak and the high divide.

Phiri, T, BBA MSc(Strathclyde), Postgraduate student in Marketing, Strathclyde. Research in the UK on networks as a source of market information for small high-tech firms.

Pollard, D, BA MD MEd MBA, Senior Lecturer in Management, Abertay Dundee. Research in China on the contribution of high-tech firms to Chinese restructuring.

Prashantham, B H S, BA(Ahmedabad) MSc(Strathclyde), Postgraduate student, Department of Marketing, Strathclyde. Research in Bangalore, India, on internationalisation of small software companies.

Pudelko, M, PhD, Lecturer in International Business, Edinburgh. Research in New York on Human Resource Management of British, German and Japanese subsidiaries.

Purcell, M, MA PhD(Edinburgh), Lecturer in Systematic Theology, Edinburgh. Research in Brussels towards the completion of a book entitled *An Introduction to Emanuel Levinas for Theologians*.

Racey, P A, MA PhD DSc, Professor of Natural History, Aberdeen. Research in Madagascar on conservation and management of Malagasy Microchiroptera.

Ray, M S, BA MA PhD, Senior Lecturer in English, Aberdeen. Research in Birmingham and Oxford on the works of Thomas Hardy's *Wessex Poems and Poems of the Past and the Present*.

Reed, C A, BA PhD, Lecturer in Applied Computing, Dundee. Research in Canada on augmentation theory and Artificial Intelligence.

Reid, I A, BEd MA PhD, Lecturer in Sports Science, Stirling. An analysis of female coaches in Scottish sport.

Rennie, A F, BSc(Glasgow) MSc(Glasgow), Postgraduate student, Department of Geography and Topographic Science, University of Glasgow. Fieldwork in Orkney on shoreline response to a submerging coast.

Robb, D S, MA PhD, Senior Lecturer in English, Dundee. Archival and library research towards a critical biography of the poet and academic, Alexander Scott (1920-1989).

Rogatchevski, A, PhD, Lecturer in Russian, Glasgow. Research in the US towards a critical edition of "*The Amfiteatrov-Bunin Correspondence*".

Ross, F, BSc(St Andrews) MSc, Postgraduate student in Geography and Geosciences, St Andrews. Research in Svalbard on glacial and periglacial sediment-landform associations.

Routledge, P, BSc MSc PhD, Lecturer, Department of Geography and Topographic Science, Glasgow. Research in Bangkok and Bangladesh on the Peoples Global Action in Asia.

Rowan, J S, BSc MA PhD, Senior Lecturer in Physical Geography, Dundee. Research in Australia on hydrological and geomorphological approaches to the assessment of flood risk.

Salter, R B, MA BD PhD, retired Senior Lecturer in Hebrew and Old Testament, St Andrews. Research in the US on a textual and linguistic analysis of Lamentations 4.

Schmid, M, PhD, Lecturer in French, Edinburgh. Archival study in Rome in preparation of a book chapter on Luchino Visconti's unfinished film adaptation of Proust's *A la recherche du temps perdu*.

Shand, M C, MAppSci(Glasgow), Cartographer, Glasgow. Research in the UK, Germany and Tanzania on the historical importance of the explorer Keith Johnston.

Shrank, C, BA MA MPhil PhD, Lecturer in Renaissance Literature, Aberdeen. Archival research in the UK to consult the letters and manuscripts of Sir Thomas Smith.

Sim, D F, BA PhD, Senior Lecturer Department of Applied Social Science, Stirling. Research in Colorado on the identity of expatriate Scots in the US.

Simpson, K, MA PhD, Reader in English Studies, Strathclyde. Research in Liverpool on the letters of James Currie (1756-1805).

Small, I, BSc(Dundee) Carnegie Scholar in Geography, Dundee. Research in London on the development of generic procedures for the quantification and reduction of uncertainty in sediment fingerprinting models.

Soulsby, C, PhD, Professor of Physical Geography, Aberdeen. Research in Scotland on the influence of coarse woody debris on the hydroecology of salmon spawning rivers.

Sprent, J I, BSc PhD DSc, Emeritus Professor of Plant Biology, Dundee. Research in Peru on nitrogen-fixing root nodules in high altitude legumes.

Starr, J E F, BA PhD(Glasgow), Hon. Research Fellow in Social Sciences, Glasgow. Research in Mexico on the history of secularization of Mexican parishes in the 18<sup>th</sup> century.

Stead, S M, BSc MSc PhD, Lecturer in Marine Resource Management, Aberdeen. Research in France on innovative approaches to local management of fishery resources.

Stewart, J C, MA PhD, Lecturer in German, Aberdeen. Research in Berlin on building spaces for public discourse in Berlin 1890-1933.

Storrs, C D, BA MA DPhil, Senior Lecturer, Department of History, Dundee. Research in Spain on crime and punishment in early-modern Castile: Madrid 1660-1700.

Stuart, N, BSc PhD, Lecturer, Department of Geography, Edinburgh. Research in Singapore on the uptake of Geographic Information Science education tools in technological societies.

Sugden, L, MA, Caledonian postgraduate student in Geography, Edinburgh. Research in Iceland assessing the magnitude and mechanisms of glacial response to the 8.2ka cooling event in Iceland.

Summerfield, M A, BA MA DPhil, Professor of Geomorphology, Edinburgh. Research in Taiwan, Melbourne and Washington on long-term landscape development.

Sutherland, P, BSc BEd MA PhD, Lecturer in Education, Stirling. Research in South Africa on study skills of students who have little knowledge of English.

Sventek, J S, BA PhD, Professor of Communications Systems, Department of Computer Science, Glasgow. Research discussions leading to the creation of a collaborative project in Automated Network Management.

Thyne, M A, BA, PhD, Lecturer in Tourism, Robert Gordon. Collaborative research in New Zealand into comparative aspects of cultural tourism in Scotland and New Zealand.

Tinker, C, BA MPhil PhD, Lecturer in French, Heriot-Watt. Research in Paris on the development of mass culture in 1960's France.

Travis, J M J, BSc MSc PhD, Postdoctoral Research Assistant in Conservation Science, St Andrews. Collaborative research in Iceland to discuss an efficient strategy for the control of American mink.

Trewin, A M, BSc PhD, Lecturer in Ethnomusicology, Edinburgh. Research in India on the John Levy Collection of South Asian Music.

Trewin, N H, BSc PhD, Reader in Geology, Aberdeen. Research in the USA on Permian fossil reptile trackways.

Tudhope, A W, BSc PhD, Senior Lecturer in GeoSciences, Edinburgh. Research in the South Gilbert Islands on the El Nino Southern Oscillation (ESNO).

Turcan, R, MSc(Strathclyde), Postgraduate student in the Department of Marketing, Strathclyde. Research in the UK on de-internationalisation in small high technology companies.

Tyre, S, MA MSc PhD, Lecturer in Modern history, St Andrews. Research in Paris on new archival material on Gaullist policies in North Africa.

Udagawa, C, BA MSc, Research Fellow, Scottish Economic Research, Abertay Dundee. Research in Japan on a comparative study of small business finances in Japan and Scotland.

Vamplew, W, BSc PhD, Professor of Sports Studies and Director of Research in Sports Studies, Stirling. Archival research on the history of the professional golfer 1890-1939.

Walker, G M, BSc PhD, Reader in Biotechnology, Abertay Dundee. Research in Athens on the physiology of industrial yeasts.

Wallace, R M M, Professor of International Human Rights, Robert Gordon. Research in Canada on Refugee Law.

Warhurst, C, BA PhD, Reader in Human Resource Management, Strathclyde. Collaborative research on Employment Policy in Australia.

Whewell, C P, MA(Edinburgh) MSc(Stirling), Teaching Fellow, Stirling. Research in Edinburgh on cognitive map skills.

Whyte, I A, BA BD, Chaplain to the University of Edinburgh. Archival research in the US into Scots and Colonial slavery in the late 18<sup>th</sup> and early 19<sup>th</sup> century.

Wilkie, I C, BSc PhD, Senior Lecturer in Physiology, Glasgow Caledonian. Research in Italy on the mechanical adaptability of sponge connective tissue.

Wilson, J N, BSc MEd MSc, Senior Lecturer in Computer and Information Sciences, Strathclyde. Research at the University of Nevada on support for learning difficulties associated with mathematics.

Wishart, G J, BSc PhD, Reader in Avian Reproduction, Dundee. Research in Scotland and Spain on cryopreservation of Eagle sperm.

Wishart, J C, BSc(St Andrews) PhD(Dundee), Post-doctoral research assistant, Scottish Crop Research Institute, Dundee. Research in the USA on the molecular biology of mosquitoes that might carry West Nile Virus.

Wodehouse, A J, MEng(Glasgow/Glasgow School of Art), Postgraduate student in Engineering, Abertay Dundee. Research in Denmark on computer-aided engineering design.

Woolfson, C A, BA PhD, Reader in Industrial Relations and Work Environment, Glasgow. Research in Edinburgh and Lithuania on the impact of European enlargement on safety in the work place.

Yates, P R, MBE, Senior Research Fellow, Scottish Addiction Studies, Department of Applied Social Science, Stirling. Research in the UK on the development of the therapeutic community for substance abusers in Europe.

Young, J D, BA PhD, retired Reader in History, Strathclyde. Archival research in London for material towards a book entitled "*The Death of Socialism*".

## **Illustrations**

Coltman, V, BA MA PhD, Lecturer in History of Arts Culture and the Environment, Edinburgh. Grant towards colour illustrations in a book entitled *Fabricating the antique*.

Fagen, G, BA MA, Lecturer in Fine Art, Duncan of Jordanston College of Art and Design Dundee. Grant towards colour illustrations in a book entitled *Love is Lovely*.

Gladden, M H, PhD, Reader in Physiology, Glasgow. Grant towards a coloured illustration in the Journal of Physiology.

Morris, R J, BA DPhil, Professor of Economic and Social History, Edinburgh. Grant towards colour illustrations in a book entitled *Order and Disorder: Ireland and Scotland, 1601-2001*.

Ogilvie, E, DA, Permanent part time Lecturer, School of Drawing and Painting, Edinburgh College of Art. Grant towards illustrations in a book entitled *The Liquid Room*.

Pattison, J, DipEd, Lecturer, School of Fine Art, Dundee. Grant towards colour illustrations in an exhibition brochure (*Layers* at the Glasgow Print Works).

Shinn, A P, BSc PhD(Stirling), Postdoctoral Research Fellow at The Institute of Aquaculture, Stirling. Grant towards a colour plate in the Journal of Invertebrate Biology.

Todd, A J, BSc PhD, Professor of Neuroscience, Glasgow. Grant towards colour illustrations in the European Journal of Neuroscience.

Watson, A J, DA PGDip The Robert Gordon University. Grant towards cost of illustrations in a book entitled *Leaving Jericho* to accompany joint exhibitions by Arthur Watson and Doug Cocker.

## **Publications**

Adams, A R, BA PhD, Reader in French, Glasgow. A guarantee against loss towards the publication of a book entitled *Webs of Allusion. French Protestant Emblem Books of the Sixteenth Century*.

Callender, R, DA, Retired Senior Lecturer, Edinburgh. Grant towards the publication of an illustrated book entitled *Plastic Beach* to accompany a solo art exhibition to be shown at the Sculpture Court at Edinburgh College of Art in 2003/4.

Fabb, N A J, BA PhD, Professor of Literary Linguistics, Strathclyde. Grant towards the publication of a book entitled *A Grammer of Ma'di*.

Kaufman, M H, MB ChB PhD MA DSc ScD, Professor of Anatomy, Edinburgh. Grant towards the publication of a book entitled *Medical teaching in Edinburgh during the 18<sup>th</sup> and 19<sup>th</sup> centuries*.

Mackintosh, F J, MA MPhil PhD, Lecturer in Hispanic Studies, Edinburgh. Grant towards the publication of a book entitled *Childhood in the Works of Silvinia Ocampo and Alejandra Pizarnik*.

Martin, N C T, MA DPhil, Lecturer in Modern Languages, St Andrews. Grant towards the publication of a book entitled *Nietzsche and the German tradition: 7<sup>th</sup> Annual Conference of the Friedrich Nietzsche Society, St Andrews 1997*.

Robbins, J, MA DPhil, Senior Lecturer in Hispanic Studies, Edinburgh. Grant towards a book entitled *Cervantes and "Don Quijote" 1605-2005: Studies in Memory of E C Riley*.

Rycroft, M E, MA PhD, Senior Lecturer in Music, Glasgow. Grant towards the production of a CD booklet of the Haydn-Thomson Scottish song.

Sargeant, M B, BA PhD, Lecturer in German, Heriot-Watt. Grant towards the publication of a book entitled *Presenting a Lost War: Strategies for Addressing the Past in West German Prose after 1945*.

Skinner, J, MA PhD, Lecturer in Social and Health Sciences, Abertay Dundee. Grant towards the publication of a book entitled "*Managing Island Life: Social, Economic and Political Dimensions of formality and informality in "island" communities*".

Scheunemann, D F G, MA DPhil, Professor of German, Edinburgh. Grant towards the publication of a book entitled *Expressionist Film: New Perspectives*.

Woodward, D, BA SocSci PhD, Director of Research, Napier. Grant towards the publication of a book entitled *Gendered Inequalities in Banking in Turkey and Britain*.

### **Expeditions**

Aberdeen University Silvicultural Systems in the Black Forest.

Aberdeen University Expedition to Sepilok Nature Reserve, Sabah.

Aberdeen University to Sabalillo Forest Reserve, Peru.

Edinburgh University Apex 2.

Edinburgh University Northern Adriatic Project.

Glasgow University Azores 2003.

Glasgow University Turtlewatch 2003.

Glasgow University Troodos Archaeological and Environmental Survey Project.

Glasgow University Ecuador Expedition 2003.

Glasgow University Trinidad Expedition 2003.

### **PUBLICATIONS RECEIVED FROM BENEFICIARIES DURING 2002-2003**

Publications from grantees state the name of the grantee(s) and the journal or book reference. Lists of co-authors are not included.

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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 £10,000 for the academic year 2003-2004 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 15<sup>th</sup> 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 15<sup>th</sup> 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 1<sup>st</sup>, or March 1<sup>st</sup>, 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).