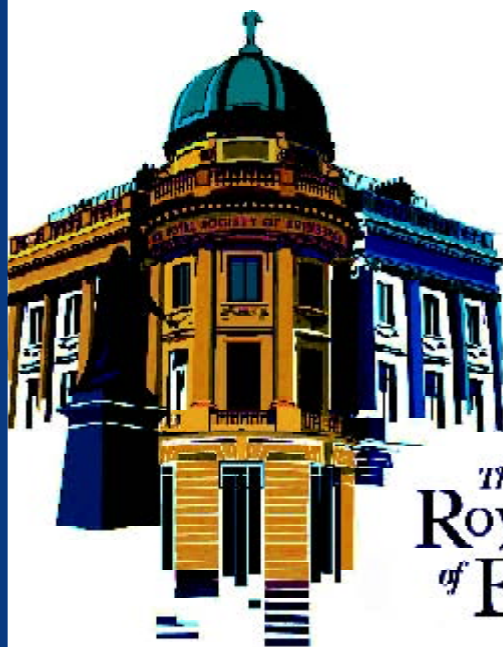


# The Royal Society of Edinburgh

**Directory 2005** (Session 2004-2005)



*The*  
**Royal Society**  
*of*  
**Edinburgh**

**THE ROYAL SOCIETY OF EDINBURGH**

**DIRECTORY 2005**

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**THE ROYAL SOCIETY OF EDINBURGH**

**DIRECTORY 2005  
(Session 2004-2005)**

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## CALENDAR 2005

(see ReSource and RSE Web Site for updates and further information)

### PUBLIC LECTURES AND DISCUSSION FORUMS\*

all lectures and ordinary meetings start at 5.30pm unless otherwise stated

February 25	ECRR Peter Wilson Lecture
March 7	Gannochy Trust Innovation Award Prize Lecture
March 11	RSE/Royal Academy of Engineering Public Lecture
May 9	Gunning Victoria Jubilee Prize Public Lecture
May 20	RSE/Scottish Agriculture and Biological Research Institute Public Lecture (Aberdeen)
July 11	RSE/Royal Meteorological Society Lecture
September 5	BP Prize Public Lecture in the Humanities
September 19	President's Lecture
October 3	Public Lecture and Ordinary Meeting
October 17 w/c	CRF Prize Lecture in Arts and Letters

### CONFERENCES, WORKSHOPS AND EXHIBITIONS\*

February 23	Conference : <i>Europe's Hidden Coral Worlds</i>
June 30	Conference : <i>Patient Safety</i> (Joint half-day conference with the Royal College of Surgeons)

- \* Further events will be advertised in ReSource and on the RSE Website when details become available

### FELLOWS: SOCIAL EVENTS, ELECTIONS, NOMINATIONS

March 7	Declaration of the result of the Election of new Fellows and next President
May 2	New Fellows' Day
May 31	Closing date for receipt of Fellowship nominations
June 24	Triennial Dinner
October 3	Discussion Dinner
October 10	Annual Statutory Meeting

## Directory 2005

November 1	Fellows' Subscriptions Due
Coffee Meetings	Every Tuesday, from October to March at 10.30am, with a speaker present on the first Tuesday of each month. No meetings during the months of April to September.

### RESEARCH AWARD DEADLINES AND EVENTS

February 28	Cormack Vacation Research Scholarships
March	Teaching Fellowship Applications
March 11	Scottish Executive Research Fellowships
March 14	Royal Medal Nominations
March 21	Gannochy Award Nominations
March 24	BP Personal Research Fellowship
March 31	Lessells Postgraduate Scholarships
April 1	Enterprise Fellowships (PPARC and Scottish Enterprise)
September 1	Research Awards Reception and Presentation of Royal Medals
October 7	Gannochy Trust Innovation Award Ceremony
October 28	SE Enterprise Fellowships (2nd round) CRF European Visiting Research Fellowship Applications
November 30	Closing Date for Prize Nominations

Other closing dates will be advertised on the RSE Website, in ReSourceE and in the press when they become known.

### GRANTS & INTERNATIONAL EXCHANGE APPLICATION DEADLINES

February 28
May 31
August 31
November 30

ROOMS CLOSED

March 25-28  
December 26-31  
January 1-3 2006

Easter  
Christmas  
New Year

COUNCIL MEETINGS

7 February  
2 May  
5 September  
5 December (tbc)



## THE ORIGINS AND DEVELOPMENT OF THE ROYAL SOCIETY OF EDINBURGH

The Royal Society of Edinburgh was established in 1783 under a Royal Charter granted by George III, for the "Advancement of Learning and Useful Knowledge". In recent years the Society has recaptured the spirit of the original Charter and represents all branches of learning. The Society is a wholly independent body with charitable status, governed by a Council elected from among its 1300-strong Fellowship. The Fellowship includes distinguished individuals drawn from Science, Arts, Letters, Technology, the Professions, Industry and Commerce. Although the Society was founded, and is based, in Edinburgh, from the earliest days its Fellows have been drawn from all parts of Scotland and beyond. It functions as Scotland's National Academy of Science and Letters.

In seeking to achieve the 'Advancement of Learning and Useful Knowledge', the Society undertakes a wide range of activities, including: the organisation of meetings and symposia aimed both at the specialist and the general public; the publication of learned journals; the award of Research Fellowships, Scholarships and Prizes; activities in support of the Technology Ventures Strategy and Foresight, and the organisation of activities aimed at young people throughout Scotland. The Society's independence and the breadth of the Fellowship combine to provide an important neutral forum for informed consideration of topics concerning the well-being of Scotland. It regularly provides evidence, advice and comment to Parliament and government. The Society has strong links with other national academies in the UK and is building closer relations with national academies overseas.

The Society's Rooms are in the centre of Edinburgh and were extensively refurbished in 1983 to provide suitable accommodation in which to hold lectures, symposia and other meetings. In 1994 the Society purchased the adjacent building at 26 George Street which was refurbished during 1998 by the RSE Scotland Foundation and linked to the Society's Rooms to enable further expansion of the Society's activities.

A detailed account of the History of the Society was written by Professor Neil Campbell and Professor R M S Smellie (former General Secretary) for the Society's Bicentenary Celebrations in 1983. This describes in detail the origins and background to the Society. Copies of this volume are available from the Society's Office.



## COUNCIL OF THE SOCIETY - SESSION 2004-2005

### *President*

Lord SUTHERLAND of HOUNDWOOD, KT, MA, HonDLitt, HonLLD, Hon LHD,  
HonFFA, FBA

### *Vice-Presidents*

Professor Robert Gavin Loudon MCCRONE, CB, MA, MSc, PhD, LLD

Professor John Richard COGGINS, MA, PhD

Professor John MAVOR, BSc, PhD, DSc, HonDSc, FEng, FIEE, FIEEE, CEng

### *General Secretary*

Professor Andrew MILLER, CBE, BSc, PhD, MA

### *Treasurer*

Mr Edward CUNNINGHAM, CBE, MA, MBA

### *Fellowship Secretary*

Professor Colin Carmichael BIRD, CBE, MB,ChB, PhD, FRCPath,  
FRCPE, FRCSE, FmedSci

### *Ordinary Members*

Professor Ronald ASHER, BA, PhD, DLitt, FKSA, FRAS

Mr Ewan BROWN CBE, LLB, HonDUniv, CA, FCIBS, FRSA

Professor Tariq DURRANI, BEng, MSc, PhD, CEng, FIEE, FIEEE, FEng

Professor Rona McLeod MacKIE, CBE, MB, ChB, MD, DSc, FRCP,  
FRCPSG, FRCPath, FFAcadMedSci

Dr Ian Pollock SWORD, CBE, BSc, PhD, CChem, FRSC, FRCPE

## EXECUTIVE BOARD

*General Secretary*

Professor Andrew MILLER, CBE, BSc, PhD, MA

*Treasurer*

Mr Edward CUNNINGHAM, CBE, MA, MBA

*Curator*

Dr Brenda Elizabeth MOON, MA, Diploma in Librarianship, MPhil, PhD,  
FCLIP

*Research Awards Convener*

Professor David Harold SAXON, MA, DPhil, DSc, FInstP, FRSA

*International Committee Convener*

Professor Rona McLeod MacKIE, CBE, MB, ChB, MD, DSc, FRCP,  
FRCPSG, FRCPath, FFAcadMedSci

*Programme Convener*

Professor Ian Hosie STEVENSON, BSc, PhD

*Young People's Programme Convener*

Professor Cheryl Anne TICKLE, MA, PhD, FRS

*Chairman – The RSE Scotland Foundation*

Professor Andrew Charles WALKER, BA, MSc, PhD, FInstP

*Chief Executive*

Dr William DUNCAN, BSc, PhD, GradIPD

*Director of Finance*

Miss Kate ELLIS, BSc, FCA

## THE RSE SCOTLAND FOUNDATION

In March 1996 the Society established a charitable trust, the RSE Scotland Foundation. The Foundation is recognised in Scotland as Scottish charity number SC 024636 and is registered for VAT. The Foundation plays a leading role in the continued development of the Society's public outreach activities and has managed the development of the new premises at 26 George Street, Edinburgh. The President, General Secretary, Treasurer, Curator and a Vice-President of the Society are *ex officio* Trustees of the Foundation. The Foundation also has five nominated Trustees who are appointed by the Council of the Society.

Through its activities in 26 George Street, the Foundation meets its objective of preserving and conserving the architectural, scientific and cultural heritage of Scotland. In parallel, the Foundation aims to develop the Scottish public's understanding of science, engineering and technology and the part they play in increasing wealth and quality of life, and to foster greater collaboration between the academic and business communities in Scotland. The Foundation calls upon the broad intellectual resources of the Fellowship of the Society in the promotion of these objectives.

### RSE SCOTLAND FOUNDATION TRUSTEES

(As at November 2004)

Chairman

Professor Andrew Charles WALKER, BA, MSc, PhD, FInstP

Hon Secretary

\*Professor Andrew MILLER, CBE, BSc, PhD, MA

Hon Treasurer

\* Mr Edward CUNNINGHAM, CBE, MA, MBA

Trustees

Dr Andrew CUBIE CBE, NP, WS, LLB, HonDBA, Drhc, FRSA

\*Lord SUTHERLAND of HOUNDWOOD, KT, MA, HonDLitt, HonLLD,

Hon LHD, FBA

Sir Laurence HUNTER, CBE, MA, DPhil, HonDUniv

\* Professor John MAJOR, BSc, PhD, DSc, HonDSc, FEng, FIEE, FIEEE, CEng

\*Dr Brenda Elizabeth MOON, MA, Diploma in Librarianship, MPhil,

PhD, FCLIP

Dr John Michael FRANCIS, BSc, ARCS, PhD(Lond), DIC, HonFRSGS, HonFRZSS

Vacancy



RSE STAFF  
(as at January 2005)

<i>Chief Executive</i>	Dr William DUNCAN, BSc, PhD, GradIPD
<i>Accounts Assistant</i>	Mr Gary JOHNSTONE
<i>Accounts Officer</i>	Mr Robert LACHLAN
<i>Central Services Manager</i>	Mr Frank PULLEN, BA, MBE
<i>Conference Centre Co-ordinator</i>	Ms Kirsteen FRANCIS
<i>Corporate Services Support</i>	Ms Sheila STUART (part-time)
<i>Director of Corporate Services</i>	Mr Graeme HERBERT
<i>Director of Finance (part-time)</i>	Miss Kate ELLIS, BSc, FCA
<i>Education Assistant</i>	Miss Emma FARAGHER, BA, MA
<i>Education Officer</i>	Dr Harinee SELVADURAI, BSc, PhD
<i>Evening Caretaker</i>	Mr Robert HUNTER (part-time)
<i>Events Manager</i>	Mrs Róisín CALVERT-ELLIOTT, BA, DipHRM, GradIPD, DipIPR, MIPR
<i>Events Officer</i>	Ms Susan WALKER, BA, MA
<i>Events Officer</i>	Mr Duncan WELSH, BA
<i>Facilities Assistant</i>	Mr George PENDLETON
<i>International Activities Assistant</i>	Miss Jean FINLAYSON, BSc
<i>International Activities Manager</i>	Mr Michael WHITE, BSc, MPhil (seconded from British Council)
<i>IT Support Manager/ Communications Officer</i>	Ms Jennifer CAMERON, MA
<i>Journals and Archive Officer</i>	Miss Vicki INGPEN, BA
<i>Personal Assistant to Chief Executive</i>	Mrs Doreen WATERLAND
<i>Personnel and Administration Assistant</i>	Ms Christel BAUDERE
<i>Policy, Education and Fellowship Services Manager</i>	Dr Lesley CAMPBELL, BA, MIBiol, MSc, PhD, MBA, MCMI
<i>Policy Officer</i>	Dr Marc RANDS, BSc, DPhil, FRGS
<i>PR &amp; Communications Manager</i>	Mr Stuart BROWN, BA, DipEd

## Directory 2005

<i>Receptionist (part-time)</i>	Ms Zoe ECCLES
<i>Receptionist (part-time)</i>	Mrs Margaret TAIT
<i>Research Awards Co-ordinator</i>	Mrs Jenny LIDDELL, BA
<i>Research Awards Manager</i>	Mrs Anne FRASER, BA
<i>Technical Support Assistant</i>	Mr Brian SCOTT

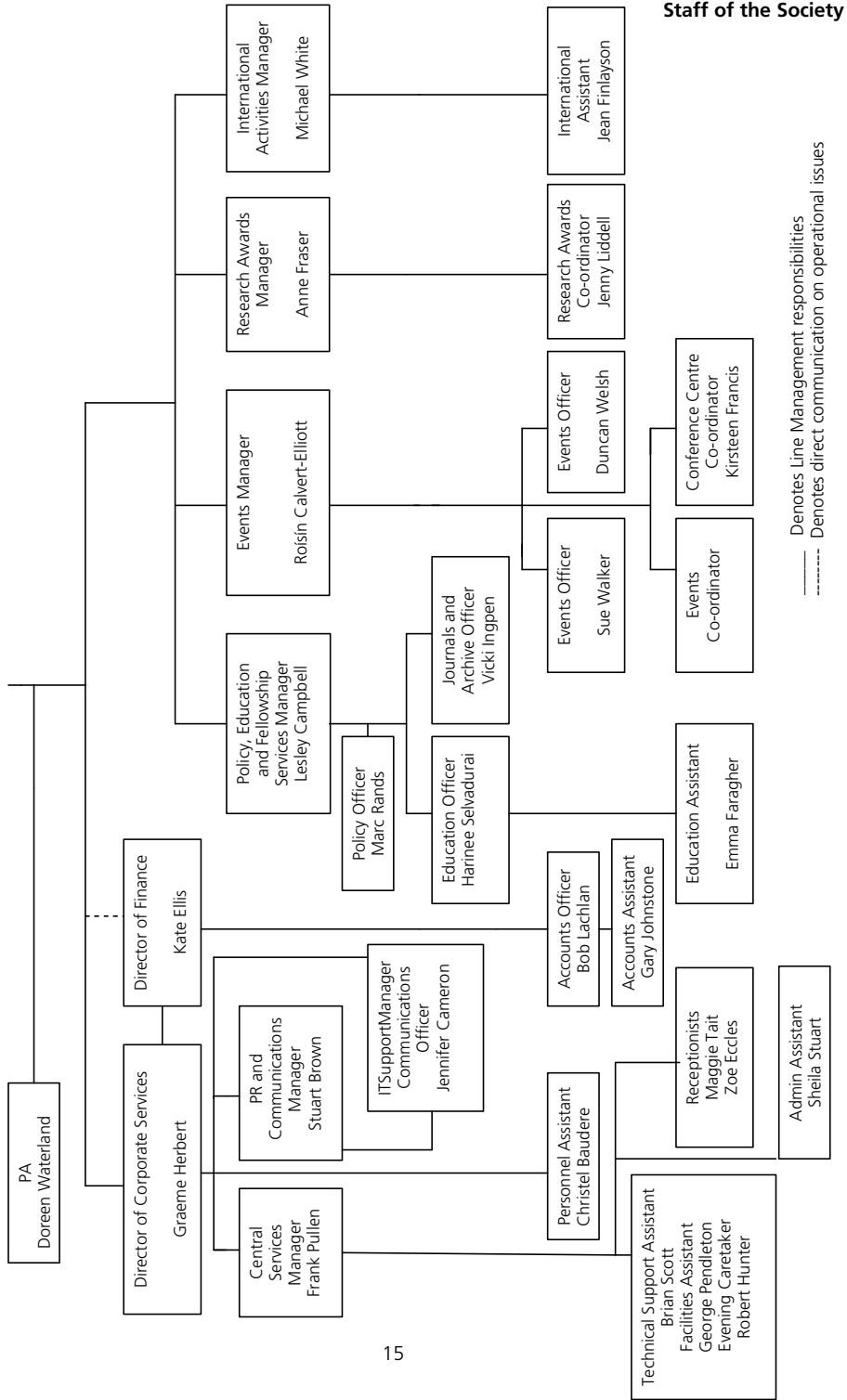
All staff can be contacted directly by e-mail using the following format  
first initial and surname@royalsoced.org.uk, i.e.

wduncan@royalsoced.org.uk

The following addresses should be used for initial contacts

<i>ARCHIVE QUERIES</i>	archive@royalsoced.org.uk
<i>EVENTS TEAM</i>	events@royalsoced.org.uk
<i>EVIDENCE, ADVICE-AND COMMENT</i>	evidence_advice@royalsoced.org.uk
<i>EXECUTIVE/SECRETARIAT</i>	secretariat@royalsoced.org.uk
<i>FACILITIES ASSISTANTS</i>	facilities@royalsoced.org.uk
<i>FELLOWSHIP MATTERS</i>	fellowship@royalsoced.org.uk
<i>FINANCE/ACCOUNTS</i>	accounts@royalsoced.org.uk
<i>GENERAL SECRETARY</i>	gensec@royalsoced.org.uk
<i>INTERNATIONAL AFFAIRS</i>	international@royalsoced.org.uk
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<i>ROOM BOOKINGS, CONFERENCE CENTRE</i>	rooms@royalsoced.org.uk
<i>YOUNG PEOPLE'S ACTIVITIES</i>	education@royalsoced.org.uk
<i>VACANCIES</i>	vacancies@royalsoced.org.uk
<i>WEB SITE</i>	web@royalsoced.org.uk

# CHIEF EXECUTIVE – Dr William Duncan





## PROFESSIONAL ADVISERS

The Society acknowledges, with thanks, the services of the following :

Bank of Scotland

Hurd Rolland Partnership

Henderson Loggie

A Kirkwood & Son

Nordic Data Limited

Shepherd & Wedderburn, WS

Speirs & Jeffrey & Co

Bankers

Architects

Auditors

Medallists

Computer Consultants

Lawyers

Investment Managers



## THE SCOTTISH SCIENCE ADVISORY COMMITTEE (SSAC)

The Scottish Science Advisory Committee (SSAC) was established in May 2002, under the auspices of The Society, to provide independent advice to Scottish Executive Ministers on strategic scientific issues.

The Committee is chaired by Professor Wilson Sibbett and the membership represents a breadth of expertise and knowledge across a range of scientific disciplines and interests which include, education, business, engineering, technology, medicine, ethics, public engagement and public policy. It is intended that the Committee can be well placed to provide expert advice across a number of relevant policy areas.

The SSAC is uniquely placed to take an overview of the broad and diverse landscape in Scotland and would wish to place this within an international perspective. It will take a medium-to-long-term, horizon-scanning and strategic view in formulating its advice on science strategy, science policy and science priorities.

As stated in its first report, the Scottish Science Advisory Committee's (SSAC) vision for science in Scotland is one where all aspects of science activity are connected optimally, with international excellence being a targeted and achievable goal. Scotland already has a number of internationally recognised strengths, but to deliver the best outputs from these activities requires the investment of significant effort and resource to harvest the added value that better connectivity can deliver. There is evidence of a willingness of the science-based communities to work together, but the SSAC vision is that a more comprehensive co-ordination can be put in place to ensure that Scotland is more able to realise its full potential in all sectors of its scientific and technological endeavours.

## SSAC STAFF

HEAD OF SECRETARIAT

Dr Avril DAVIDSON, BSc, PhD  
adavidson@scottishscience.org.uk

ADMINISTRATOR/PA

Ms Tracy RICKARD, MBA  
trickard@scottishscience.org.uk

## COMMITTEE MEMBERS

Professor Wilson SIBBETT CBE, BSc, PhD, FRS, FRSE  
Chair of Committee and chief adviser on science to the Scottish Executive  
wsibbett@scottishscience.org.uk

Professor Steven BEAUMONT OBE, CEng, MIEE, FRSE

Professor Geoffrey BOULTON OBE, BSc, PhD, DSc, FGS, FRS, FRSE

Professor Muffy CALDER BSc, PhD, CEng

Professor Sir Kenneth CALMAN KCB, FRCS, FRCP, FMedSci FRSE

Professor John COGGINS MA, PhD, FRSE

Professor Julie FITZPATRICK MRCVS

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Professor Peter MORGAN BSc, PhD, CBiol, FIBiol, FRSE

Dr Stuart MONRO, BSc, PhD, CGeol., FGS, ILTM, FRSSA

Professor Richard MORRIS FMedSci, FRS, FRSE

Dr John NICHOLLS BSc PhD

Professor Stuart REID MRCVS, FRSE

Professor Jonathan SECKL FRCPE, FMedSci, FRSE

Dr Barbara SPRUCE MRCP, PhD

Professor Joyce TAIT

Professor Chris VAN DER KUYL FRSE

Eur Ing Graham WREN

## LAWS OF THE SOCIETY (revised October 2004)

1. THE ROYAL SOCIETY OF EDINBURGH, which was instituted by Royal Charter in 1783 for the advancement of Learning and useful Knowledge, shall consist of Ordinary Fellows (hereinafter termed Fellows), Corresponding Fellows and Honorary Fellows.
2. Only Fellows shall be eligible to hold office or to vote at any meeting of the Society, except as provided otherwise by these Laws.

### THE COUNCIL

3. a) The Society shall be governed by a Council, the members of which are its Trustees or Stewards. This shall consist of the following Office-Bearers, namely, a President, three Vice-Presidents, a General Secretary, a Treasurer, a Fellowship Secretary and in addition to these Office-Bearers, Ordinary Members of Council. The total number of such Office-Bearers and Ordinary Members of Council shall not exceed twelve.  
b) The Council shall meet at least twice during each Session. In the absence of the President and all of the Vice-Presidents at a meeting of the Council, or in the absence of more than three of the Ordinary Members of Council, then such a meeting shall be inquorate and adjourned until such time as a quorate meeting may be held.

### ELECTION OF COUNCIL

4. Except as provided by Law 5, the election of all office-Bearers and Ordinary Members of Council for the ensuing Session shall be held at the Statutory Meeting on a date as determined under Law 44. The Council shall invite and shall take into account suggestions by Fellows for new Office-Bearers and Ordinary Members of Council to replace those Fellows whose terms of membership have expired under Law 7. The list of names of persons recommended by the Council for election shall be issued to the Fellows not less than one month before the meeting. The election shall be by ballot of all Fellows and each person recommended by Council shall be declared elected unless the majority of Fellows voting shall decide otherwise. Scrutineers shall be nominated as provided for in Law 35. Those elected thereby shall take office immediately following the conclusion of the Business of the Statutory Meeting.

5. The election of the President shall be held at the first Ordinary Meeting in the March preceding the Statutory Meeting in October when he or she will take up office. If not already a member of Council, the President-elect shall be invited to attend Council and Committee meetings for the remainder of the Session.
6. In the event of a vacancy arising in any of the Offices enumerated in Law 3 or Law 9, or in the Ordinary membership of Council, the Council shall, as soon as convenient, appoint a Fellow to fill the vacancy arising, to hold office until the next Statutory Meeting when the vacancy will be filled by election in accordance with Law 4.
7. a) All Office-Bearers and Members of Council enumerated at Law 3 and Law 9, shall hold office for periods not exceeding three consecutive years, with the exceptions of the General Secretary, the Treasurer and the Programme Convener, who shall hold office for periods not exceeding four consecutive years.  
b) Notwithstanding the foregoing provisions Council may also for special reasons propose for re-election for one further year only, a serving Office Bearer other than the President or a Vice-President, even if barred by the above stated time limits; such special reason must be explicitly declared by Council when the ballot is issued to Fellows in accordance with Law 4 or a Special Meeting called in accordance with Law 47 and the special reason must be approved by a two-thirds majority of those voting before such nominee may be deemed eligible for re-election.

#### POWERS OF COUNCIL

8. The Council shall have the following powers:
  - a) To control all matters concerning the affairs of the Society and set the overall policy and strategy.
  - b) To delegate to an Executive Board the conduct of such business of the Society as the Council decides appropriate for its effective management. The General Secretary, the Treasurer, the Office-Bearers enumerated in Law 9, the Convener of the RSE Scotland Foundation, the Chief Executive and the Director of Finance (or such other member of the senior staff chosen by the Chief Executive) shall be members of the Executive Board, and all these members shall be entitled to

vote. The Executive Board shall have power to co-opt other relevant members, but they shall not be entitled to vote.

- c) To create specialist advisory committees, including an Audit Committee, and appoint the members thereof, who may be non-members of Council and to define the terms of remit and powers of such committees.
- d) To delegate to such Office-Bearers, Committees and persons to be responsible to Council, the everyday management of such business as it deems expedient to delegate.
- e) To appoint the Chief Executive and determine the remuneration and conditions of service of all staff.
- f) To control and manage the investments of the Society.
- g) To ensure there are satisfactory internal control systems for financial and risk management, and for the good stewardship of the assets of the Society. To approve the annual budget of the Society.
- h) To appoint the Auditors and determine their remuneration.
- i) To approve the Annual Trustees' Report and Accounts.
- j) To award the various prizes vested in the Society, in accordance with the terms of the respective deeds of gift.
- k) To make from time to time Standing Orders for the regulation of the affairs of the Society.

#### OTHER OFFICE-BEARERS

- 9. In addition to the Office-Bearers enumerated in Law 3, there shall be elected in accordance with Law 4, other Office-Bearers who shall not be Trustees of the Society, namely, an International Convener, a Programme Convener, a Research Awards Convener, a Young People's Programme Convener and a Curator. Any or all of such Office-Bearers shall be able to attend meetings of Council but not to vote, when there is business at Council relevant to the responsibilities of such Office-Bearers.

#### DUTIES OF THE PRESIDENT

- 10. The President shall take precedence of every Fellow of the Society, at their ordinary place of meeting, and also in all other places, where any number of the Fellows meet as a Society, Council or Committee.
- 11. The duties of the President shall be to preside at Meetings, and regulate all the discussions of the Society and Council; to summon all meetings of

the Council; to call for reports and accounts from Committees and others; to check irregularities, and to keep all persons to order; and to execute, or see to the execution of, all the Laws of the Society. At all such meetings the President or nominee appointed by him or her in his or her absence, shall have a casting vote as well as a deliberate vote.

#### DUTIES OF THE VICE-PRESIDENTS

12. The duties of the Vice-Presidents shall be to discharge the duties of the President in his or her absence and to undertake such other duties as the President or Council may from time to time decide.

#### DUTIES OF THE GENERAL SECRETARY

13. The General Secretary shall be responsible to the Council for the general conduct of the Society's business, excepting that which relates to finance. He or she shall be Convener, ex-officio, of the Executive Board. He or she shall prepare and present annually to the Council, the Trustees' Report to accompany the Annual Accounts. He or she shall present to the Annual Statutory Meeting, the approved Trustees' Report and such other reports as may be required to inform Fellows of the business of the Council or Executive Board.
14. He or she may attend all meetings of the Society, Council and Committees. He or she shall ensure that proper Minutes are kept of the Statutory and Special Meetings of the Society, and of the meetings of Council and the Executive Board.

#### DUTIES OF THE TREASURER

15. The Treasurer shall be responsible to the Council for the proper care and oversight of the Society's financial affairs and systems of internal control for financial and risk management and the good stewardship of its finance-related assets. He or she shall be Convener of the Investment Committee ex-officio and in the absence of the General Secretary shall convene meetings of the Executive Board. He shall be a member ex-officio of the Audit Committee.
16. He or she shall present annually to the Council for its approval or revision a proposed Budget for the following fiscal year showing the main sources of expected income and items of expenditure according to the various Funds for which the Council is responsible.
17. He or she shall also present to the Council the Accounts for the preced-

ing financial year, balanced to the thirty-first of March, prepared in accordance with generally accepted and applicable accounting practice and with relevant legislation. The Accounts shall be audited by a professional accountant appointed annually by the Council and must be approved by Council prior to their presentation to the Statutory Meeting.

**DUTIES OF THE FELLOWSHIP SECRETARY**

18. The Fellowship Secretary shall be responsible to the Council for matters relating to the election of Fellows, Corresponding Fellows and Honorary Fellows and for ensuring the maintenance of records of Fellows, Corresponding Fellows and Honorary Fellows and Candidates for election to Fellowship. He or she shall be Convener ex-officio of the Fellowship Committee, and may be appointed by Council to be a member, ex-officio of the Grants Committee, the Lessells Bequest Committee and the Prize Committees.

**DUTIES OF THE PROGRAMME CONVENER**

19. The Programme Convener shall be responsible to the Council for the organisation of Ordinary Meetings, Symposia and Conferences and other such meetings as may be approved by the Council. He or she shall be Convener ex-officio of the Meetings Committee and a member ex-officio of Organising Committees for Conferences, Symposia and other meetings, and may be appointed by Council to be a member ex officio of the Young People's Programme Committee. He or she shall ensure that a record is kept of Ordinary Meetings, Prize Lectures, Symposia, Conferences and other meetings organised by the Society.

**DUTIES OF THE CURATOR**

20. The Curator shall be responsible to Council for the Library and for matters relating to the National Library of Scotland. He or she shall have responsibility for ensuring the proper security, care and maintenance of the Society's furnishings, treasures, pictures, archives and other such property. He or she shall be a member ex-officio of the Editorial Boards.

**DUTIES OF THE RESEARCH AWARDS CONVENER**

21. The Research Awards Convener shall be responsible to the Council for matters relating to the award of Research Fellowships, Research Studentships, Grants, Medals and Prizes. He or she shall convene, ex-officio, the Committees responsible for recommending to Council in accordance with

the relevant regulations the award of such Research Fellowships, Research Studentships, Grants, Medals and Prizes, with the exception of the Royal Medals and Bicentenary Medals, which it shall be the responsibility of the President to recommend to the Council.

#### DUTIES OF THE INTERNATIONAL CONVENER

22. The International Convener shall be responsible to the Council for matters relating to the international activities of the Society. He or she shall be Convener ex-officio of the International Committee and, with the Programme Convener, shall be responsible for recommending to Council the arrangements for conjoint meetings with overseas Academies and learned Societies.

#### DUTIES OF THE YOUNG PEOPLE'S PROGRAMME CONVENER

23. The Young People's Programme Convener shall be responsible to the Council for matters relating to activities with young people. He or she shall convene the Young People's Programme Committee and shall be a member ex-officio of the Meetings Committee.

#### CHIEF EXECUTIVE

24. The Council shall appoint a person to be Chief Executive of the Society and that person shall be responsible to the Council.
25. He or she shall be subject to such directions as may be given by the President and Council and shall work in close collaboration with the General Secretary and the Treasurer, and with the other designated Office-Bearers in the areas of their respective responsibilities. In the absence of the General Secretary, or other designated Office-Bearer, he or she shall represent that Office Bearer as necessary. He or she shall not, unless with the approval of Council, engage in any other employment or hold office with any other professional body, while holding the office of Chief Executive and shall be paid such salary as the Council may from time to time determine.
26. He or she shall be head of the paid staff of the Society and the principal policy adviser to the Council. He or she will be charged with:
  - a) The efficient conduct of the Society's general administration.
  - b) Attendance, except on such special occasions as may be determined by the President, at all meetings of the Council and Executive Board and arranging for appropriate staff to be in attendance at all other

- committee meetings, and the taking of the Minutes thereof, and the submission of such Minutes to the President, General Secretary, or Committee Convener as appropriate, for revision or approval.
- c) The control of the offices.
  - d) The direction of all staff employed by the Society and the arrangement of their work.
  - e) Ensuring the proper communication of information between the Society's staff and the Office-Bearers of the Society.
27. He or she shall have the charge and custody of the books, manuscripts and archives belonging to the Society, together with the papers and writings relating to the Business of the Society, all of which shall, except in such cases as the Council shall otherwise order, be kept in the Society's Rooms.

#### OTHER SENIOR STAFF

28. The Council shall appoint such other staff as are necessary for the efficient conduct of the Society's business and all such staff shall be responsible to the Chief Executive.

#### ELECTION OF FELLOWS

- 29 Each Candidate for admission as a Fellow shall be proposed and recommended by a Certificate supported by at least four Fellows, two of whom must certify from personal knowledge of the Candidate. Such Certificates shall be delivered to the Society's Rooms on or before the last day of May, or such later date as Council may direct, during the Session preceding that in which the Candidature is to be considered for Election. Each Certificate shall be in the format specified by Council and shall contain the information required for consideration of the nomination. Each Certificate, unless earlier withdrawn, shall be valid for up to three years. Should a Candidate not be elected within the three-year period of validity of his or her Certificate, a fresh Certificate, valid for a further three years, may be lodged after two years have elapsed.
30. The Fellows who sign a certificate from personal knowledge shall undertake the responsibility of acting as proposer and seconder respectively. The proposer shall undertake to provide, and if necessary update, the appropriate information required for consideration of the nomination.
31. The proposer shall be responsible for informing the Candidate of the

payments to be made to the Society before the Candidate can be admitted as a Fellow.

32. An alphabetical list of all Candidates whose Certificates are valid at the closing date determined in accordance with Law 29 shall be prepared and sent to Fellows before the Annual Statutory Meeting. This list shall specify the name, status, profession, usual place of residence, and the qualifications of each Candidate and show the names of the Fellows by whom each Candidate is supported or recommended and the year of candidature. The Council shall select from such list a number to be recommended to the Society for election. The list of Candidates so approved by the Council for election shall be issued to the Fellows not later than the first day of February.
33. A document shall be produced no later than the Annual Statutory Meeting giving the alphabetical list of Candidates prepared according to Law 32 together with a supporting Statement for each Candidate. A copy of such document shall be available in the Society's Rooms for inspection by Fellows or, alternatively, shall be sent to those Fellows who request it.
34. The election of Fellows shall be by a postal Ballot issued to all Fellows or such other system as Council may propose and is approved at the Annual Statutory Meeting. The outcome shall be announced at the first Ordinary Meeting in March. Only Candidates approved by the Council shall be eligible for election. A Candidate shall not be held elected unless his or her election is supported by the votes of at least two-thirds of the Fellows voting.
35. At the Ordinary Meeting preceding the Meeting at which the election result is to be declared, two Fellows, who shall not be members of Council or Office-Bearers, shall be nominated by the President for appointment as Scrutineers for the election. The Scrutineers only shall examine the votes and hand their report to the President, who shall declare the result.
36. Each Fellow, after his or her election, is required to attend a Meeting of the Society in order to be admitted a Fellow: the admission of new Fellows to the Society is not complete until this has been done, although the President may grant an exemption or deferment to a newly elected Fellow if satisfied there is good and proper cause for doing so. At such Meeting the new Fellow shall be introduced to the President who shall address him or her in these words:

In the name and by the authority of THE ROYAL SOCIETY OF EDINBURGH, I admit you a Fellow thereof.

Thereafter he or she shall sign the Roll of Fellows, thereby affirming that “As an elected Fellow of the Royal Society of Edinburgh, I undertake to do all within my power to uphold the purposes and good name of the Society”.

37. Each Fellow shall, before he or she is admitted to the privileges of Fellowship, pay an admission fee and a subscription for the year of election. Except as Council may decide otherwise on an individual basis, each Fellow shall continue to pay an annual subscription at the beginning of each session so long as he or she remains a Fellow. The annual subscription and admission fee shall be such sums as may be fixed by Council for the time being.
38. A Fellow, who after application made by the Treasurer, fails to pay any contribution due by him or her, shall be reported by the Treasurer to the Council, and, if the Council sees fit, shall be declared no longer a Fellow. Notwithstanding such declaration, all arrears of contributions shall remain exigible.

#### CORRESPONDING FELLOWS

39. Corresponding Fellows shall be persons who have attained high international standing in any subject within the disciplinary domains of the Society and who are not normally resident in the United Kingdom. Council may nominate a Corresponding Fellow who subsequently becomes normally resident in the UK to become an Ordinary Fellow, subject to payment of the normal admission and subscription fees. Not more than ten persons may be elected as Corresponding Fellows in any one Session. The procedure for nomination of Corresponding Fellows and for their election shall be determined by the Council, having regard to Laws 29 to 36.

#### HONORARY FELLOWS

40. Honorary Fellows shall be members of the Royal House, or persons eminently distinguished in any subject within the disciplinary domains of the Society. No Honorary Fellow shall be under any obligation to contribute to the Society's funds.
41. A member of the Royal House may at any time be proposed by the Council to the Fellowship for election. The procedure for nomination of other

candidates for Honorary Fellowship and for their election shall be determined by the Council on the basis of Laws 29-36. Not more than four such persons shall be elected as Honorary Fellows in any one Session.

#### EXPULSION OF FELLOWS

42. If, in the opinion of Council, the conduct of any Fellow is injurious to the character or interests of the Society, the Council, may, by registered letter, require him or her to resign. If he or she fails to do so within one month of such request, the Council shall call a Special Meeting of the Society to consider the matter. If a majority consisting of not less than two-thirds of the Fellows present and voting, decides on expulsion, he or she shall be expelled by declaration from the Chair, his or her name shall be erased from the Roll, and he or she shall forfeit all right or claim in, or to, the property of the Society.
43. It shall be competent for the Council to remove any person from the Roll of Honorary Fellows or Corresponding Fellows if, in the opinion of Council, his or her remaining on the Roll would be injurious to the character or interests of the Society. Reasonable notice of such proposal shall be given to each member of the Council, and, if possible, to the Honorary Fellow him or herself. Thereafter the decision on the question shall not be taken until the matter has been discussed at two Meetings of Council, separated by an interval of not less than fourteen days. A majority of two-thirds of the members present and voting shall be required for such removal.

#### MEETINGS OF THE SOCIETY

44. A Statutory Meeting for the election of Council, for the presentation of the Trustees' Annual Report and reports by the General Secretary and Treasurer, and such other business as may be arranged by the Council, shall be held each year on the first Monday of October or exceptionally on such other Monday in October as may be determined by the Council. Each Session of the Society shall begin at the date of the Statutory Meeting.
45. Meetings for the reading and discussion of communications and for general business, herein termed Ordinary Meetings, shall be arranged by Council and held on such dates as may be deemed suitable.
46. The Business of the Society at the Ordinary Meetings shall be to order, take account of, consider and discourse on scientific, technological and literary experiments and observations.

47. A Special Meeting of the Society may be called at any time by direction of the Council, or, on a requisition to the Council, signed by not fewer than twenty Fellows. Such meeting shall be convened as soon as practicable, the date and hour thereof to be determined by the Council, who shall give not less than seven days' notice when such meeting is summoned; no other business shall be transacted. At any Special Meeting of the Society, fifty Fellows shall constitute a quorum.
48. The Council may also arrange, from time to time, such symposia, conferences or other meetings as it thinks fit, for discussion of such topics as may be arranged.
49. Only Fellows and relevant staff of the Society shall be permitted to be present during a meeting arranged under Laws 44 or 47, except by the approval of a two-thirds majority of the Fellows present and voting.

#### PUBLICATION OF PAPERS

50. The Society shall publish Transactions, Proceedings and such other publications as may be considered appropriate. The Council, whose decision is final, is advised on the acceptability, reading and publication of the papers by those Editorial Boards established by Council for such purposes. Acceptance of a paper for reading shall not necessarily imply acceptance for publication.
51. Any Fellow who is not in arrears with his or her annual subscriptions and any Corresponding or Honorary Fellow shall be entitled to purchase available copies of the Society's publications on such terms as the Council may from time to time determine.

#### ALTERATION OF LAWS

52. Any proposed alteration in the Laws shall be considered by the Council, due notice having been given to each member of Council. Such alteration, if approved by the Council, shall be proposed from the Chair at the next Ordinary Meeting of the Society, and in accordance with the Charter, shall be considered and voted upon at a Meeting, normally a Statutory Meeting or Special Meeting convened for the purpose, held at least one month after that at which the motion for alteration shall have been proposed.



## STANDING COMMITTEES OF COUNCIL

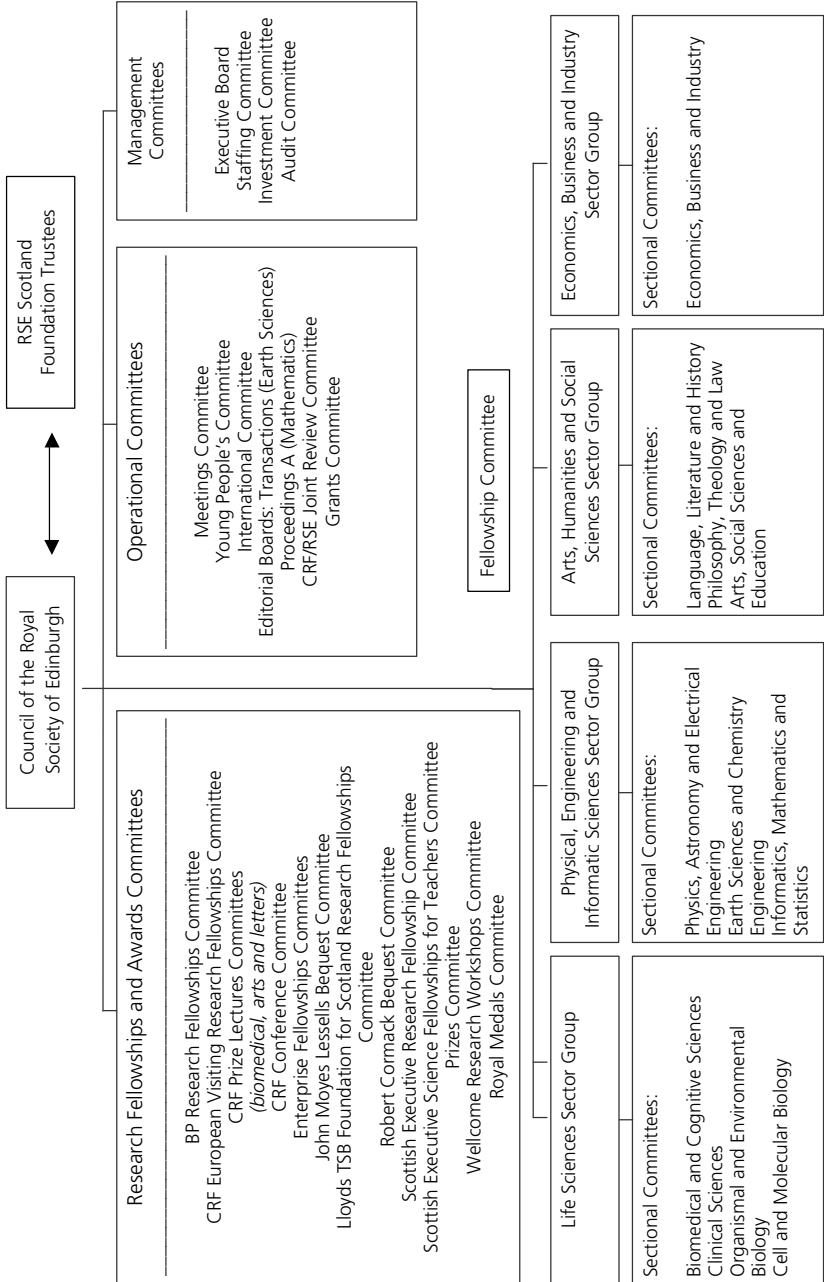
### *Terms of Office*

The terms of office of the Society's Officers are defined under the Laws of the Society in Law 7. For other members of Standing Committees and Editorial Boards, the following rules will normally apply:

Ordinary members of Standing Committees will serve for three years. Conveners of Standing Committees will hold office for not more than three years, whether or not they have previously served as ordinary members of the Committee. Members of Editorial Boards are appointed initially for four years. Executive Editors are eligible for reappointment after completing their four years in post. Executive Editors may also have previously served on the Board for up to four years.

Ordinary members of Standing Committees and Editorial Boards are eligible for re-election after one year. Conveners of Standing Committees are eligible for re-election after three years.

**ROYAL SOCIETY OF EDINBURGH COMMITTEE STRUCTURE**



MEMBERSHIP OF COUNCIL AND COMMITTEES  
SESSION 2004/2005

\*denotes *ex-officio* member of Committee

	Normal	Retiral
	Date	
<b>COUNCIL</b>		
Lord Sutherland of Houndwood * (President)		2005
Professor C C Bird *		2005
Professor R G L McCrone *		2005
Dr I P Sword		2005
Professor R E Asher		2006
Mr E Brown		2006
Professor J R Coggins *		2006
Professor T S Durrani		2006
Professor A Miller *		2006
Professor R M MacKie		2007
Professor J Mavor *		2007
Mr E Cunningham *		2008
<b>EXECUTIVE BOARD</b>		
Professor A Miller * (Chairman)		2006
Mr E Cunningham * (Deputy Chairman)		2008
Professor R M MacKie *		2005
Dr B E Moon *		2005
Professor D H Saxon *		2005
Professor C A Tickle *		2005
Professor I H Stevenson *		2006
Professor A C Walker *		2007
Dr William Duncan*		n/a
Miss Kate Ellis *		n/a
<b>FELLOWSHIP COMMITTEE</b>		
Professor C C Bird (Convener) *		2005
Professor R G L McCrone *		2005
Lord Sutherland of Houndwood *		2005
Mr E Brown (Council Observer)		2006
Professor J R Coggins *		2006
Professor A Miller *		2006
Professor R M MacKie (Council Observer)		2007
Professor J Mavor *		2007
Mr E Cunningham *		2008

## OPERATIONAL COMMITTEES

### CRF CONFERENCE COMMITTEE

Professor D T Baird (CRF Representative)	N/A
Professor J R Coggins (CRF Representative)	N/A
Professor N E Haites (CRF Representative)	N/A
Professor V Van Heyningen (CRF Representative)	N/A
Professor A Lamond (RSE Representative)	2005
Professor R Morris (RSE Representative)	2005
Professor I H Stevenson (RSE Representative) *	2006

### CRF/RSE JOINT REVIEW COMMITTEE

Lord Sutherland of Houndwood *	2005
Professor A Miller *	2006
Professor I H Stevenson *	2006
Mr E Cunningham *	2008
Professor D T Baird (Vice-Chairman)	N/A
Professor C C Bird (CRF Representative)	N/A
Dr I P Sword (CRF Representative)	N/A

### GRANTS COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor C C Bird *	2005
Professor W M Banks	2006
Professor M Calder	2006
Professor S L Harley	2006
Professor D S Ingram	2006
Professor N A R Gow	2007

### INTERNATIONAL COMMITTEE

Professor R M MacKie (Convener) *	2005
Professor C C Bird *	2005
Sir David Edward	2005
Professor Sir Neil MacCormick	2005
Professor D H Saxon *	2005
Professor A Miller *	2006
Professor D J Breeze	2006
Professor I H Stevenson *	2006
Sir Michael Atiyah	2007
Dr F Antoni	2007
Professor S Blackmore	2007
Professor A Dominiczak	2007
Professor R J Donovan	2007
Professor T Durrani	2007
Mr E Cunningham *	2008
Ms G Troup (Scottish Executive Observer)	N/A
Mr A Wilson (Scottish Executive Observer)	N/A

MEETINGS COMMITTEE

Professor I H Stevenson (Convener)	2006
Dr J G Adamson	2006
Professor B Ashcroft	2007
Professor S Blackmore	2005
Professor E N K Clarkson *	2005
Mr Edward Cunningham *	2009
Professor A M Davie *	2008
Right Reverend R F Holloway	2005
Dr P C M M Macdonald	2005
Professor A Miller *	2006
Professor J S Richardson	2005
Lord Sutherland of Houndwood *	2005
Professor C A Tickle *	2005

PROCEEDINGS A EDITORIAL BOARD (Mathematics)

Professor A M Davie (Chairman & Executive Editor)	2008
Professor K J Brown (Executive Editor)	2005
Dr B E Moon *	2005
Professor M Ainsworth	2007
Professor E F Robertson	2007
Professor J F Toland	2007
Professor M A J Chaplain	2008
Professor D R Fearn	2008
Professor A A Lacey (Executive Editor)	2008
Professor T Mullin	2008
Professor J R L Webb	2008

TRANSACTIONS EDITORIAL BOARD (Earth Sciences)

Professor E N K Clarkson (Chairman & Executive Editor)	2005
Professor D Edwards (Executive Editor)	2005
Professor S L Harley	2005
Dr B E Moon *	2005
Dr W E Stephens (Executive Editor)	2005
Professor D E Sugden	2005
Professor A L Harris	2007
Professor P Bishop (Executive Editor)	2008
Professor D A Davidson	2008
Professor M R C Davies	2008
Professor K J Edwards	2008
Dr J A Plant	2008
Dr G B Shimmiel	2008
Professor J R Underhill	2008

YOUNG PEOPLE'S COMMITTEE

Professor C A Tickle (Convener) *	2005
Mr R Kibble	2005
Professor T F Krauss	2005
Professor R J Wheeler	2005
Professor A Miller *	2006
Professor M J Padgett	2006
Professor I H Stevenson *	2006
Professor W Bickmore	2007
Professor M Bownes	2007

**MANAGEMENT COMMITTEES**

AUDIT & RISK MANAGEMENT COMMITTEE

Mr E Brown (Convener)	2006
Professor R G L McCrone *	2005
Professor J R Coggins *	2006
Professor J Mavor *	2007
Mr E Cunningham *	2008
1 Foundation Trustee	

INVESTMENT COMMITTEE

Mr E Cunningham (Convener) *	2008
Professor R G L McCrone *	2005
Mr E Brown	2006
Professor A Miller *	2006
Vacancy	2007

STAFFING COMMITTEE

Professor A Miller (Convener) *	2006
Professor R G L McCrone *	2005
Mr E Cunningham*	2008
Dr William Duncan	N/A
Miss Kate Ellis	N/A
Mr Graeme Herbert	N/A

**RESEARCH FELLOWSHIPS AND AWARDS COMMITTEES**

BP RESEARCH FELLOWSHIPS COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor J Mavor	2005
Professor G D Plotkin	2005
Professor D Littlejohn	2006
Professor K S Sorbie	2006
Professor G Webb	2006
Professor S P Beaumont	2007
Professor P M Bishop	2007
Dr R Tomanek (BP Observer)	N/A

ROBERT CORMACK BEQUEST COMMITTEE

Professor J C Brown (Convener) *	N/A
Professor A Lawrence (Deputy Convener ex-officio) *	N/A
Professor A Collier-Cameron	2006
Professor R Fletcher	2006
Dr Lindsay Fletcher	2006
Professor I H Stevenson *	2006
Professor K D Horne *	N/A
Mr Steve Owens	2007

CRF EUROPEAN VISITING RESEARCH FELLOWSHIPS COMMITTEE

Professor R G L McCrone (Convener)	2005
Professor R E Asher	2005
Professor J S Richardson	2005
Professor D A S Ferguson	2007
Professor B P Lenman	2007
Professor N Burrows (CRF Representative)	N/A
Professor J D M H Laver (CRF Representative)	N/A
Professor J Ohlmeyer (CRF Representative)	N/A
Vacancy (CRF Representative)	n/A

CRF PRIZE LECTURE COMMITTEE - ARTS AND LETTERS

Professor R G L McCrone (Convener)	2005
Professor D J Breeze	2006
Mr T B Royle	2006
Professor I H Stevenson *	2006
Professor N Burrows (CRF Representative)	N/A
Professor J D M H Laver (CRF Representative)	N/A
Vacancy (CRF Representative)	N/A

CRF PRIZE LECTURE COMMITTEE - BIOMEDICAL SCIENCES

Professor J R Coggins (Convener)	2006
Professor I H Stevenson *	2006
Professor V Van Heyningen (CRF Representative)	N/A
Professor J A Wyke (CRF Representative)	N/A
Professor D T Baird (CRF Representative)	N/A

ENTERPRISE FELLOWSHIPS COMMITTEE

Dr I P Sword (Convener)	2005
Mr E Brown	2006
Dr C Reeves (Scottish Enterprise Observer)	N/A
Plus members of Enterprise Sub-Committees shown below	

ENTERPRISE SUB-COMMITTEES

OPTOELECTRONICS/MICROELECTRONICS/ELECTRONICS

Professor A C Walker (Convener)	2007
Mr C Murray	2005
Mr B Hyland	2006
Professor P Denyer	2005
Mr G Boag	2007
Mr I Ritchie	2007
Professor J Bower	N/A
Mr P Daisley (SE Observer)	N/A

ENERGY

Professor J L Murray (Convener)	2006
Mr M Campbell	2006
Mr E Cunningham	2006
Professor J R McDonald	2006
Mr G Proven	2006
Professor J Bower	N/A
Ms L Burnett (SE Observer)	N/A

LIFE SCIENCES

Dr I Sword (Convener)	2007
Professor D A Ritchie	2006
Professor G Bulfield	2007
Professor J Bower	N/A
Mr J Grant (SE Observer)	N/A

TOURISM

Professor R J Wheeler (Convener)	2006
Mr E Cunningham	2006
Mr I Gardner	2006
Ms N Yule (SE Observer)	N/A

PPARC

Professor D H Saxon (Convener)	2005
Mr C Cunningham	2005
Professor D J S Birch	2006
Professor K J Peach	2007
Professor K M Smith	2007
Professor J Bower	N/A
Ms S Lansdowne (PPARC Observer)	N/A

JOHN MOYES LESSELLS BEQUEST COMMITTEE

Professor P A Davies (Convener)	2007
Professor C C Bird *	2005
Professor P A Davies	2005
Professor P M Grant	2005
Professor C R McInnes	2005
Mr W Edgar *	2006
Professor A W Hendry *	N/A

LLOYDS TSB FOUNDATION FOR SCOTLAND  
RESEARCH FELLOWSHIPS COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor T W MacFarlane	2005
Lord Sutherland of Houndwood	2005
Professor C Hallett	2006
Professor D Benyon	2007
Professor W H Stimson	2007
Professor M T Marshall	N/A
Professor M E T McMurdo	N/A
Mr A S Muirhead (Lloyds TSB Foundation Observer)	N/A

PRIZES COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor C C Bird *	2005
Professor D J Breeze	2005
Lord Sutherland of Houndwood *	2005
Professor I H Stevenson *	2006
Professor G Webb	2006

W S BRUCE MEDAL COMMITTEE

Professor V B Proudfoot (Convener)	2007
Dr I Boyd	2007
Professor D H Saxon *	2007
Professor D E Sugden	2007

ROYAL MEDALS COMMITTEE

Lord Sutherland of Houndwood (Convener) *	2005
Professor C C Bird *	2005
Professor R G L McCrone *	2005
Professor D H Saxon *	2005
Professor J R Coggins *	2006
Professor A Miller *	2006
Professor J Mavor *	2007
Mr E Cunningham *	2008

SCIENCE FELLOWSHIPS FOR TEACHERS COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor J Carr	2005
Dr L S D Glasser	2005
Professor R Morrison	2005
Professor M J Padgett	2005
Professor I H Stevenson *	2006
Mr F Creamer (Scottish Executive Observer)	N/A

SCOTTISH EXECUTIVE RESEARCH FELLOWSHIPS COMMITTEE

Professor D H Saxon (Convener) *	2005
Professor R Morrison	2005
Professor D J Porteous	2005
Professor M L Hitchman	2006
Professor W N Hunter	2006
Professor P J R Laybourn	2006
Professor A Dominiczak	2007
Professor J M Cooper	2007
Professor A E Fallick	2007
Professor J R L Webb	2007
Professor B S Wherrett	2007
Dr T Houston (Scottish Executive Observer)	N/A

WELLCOME RESEARCH WORKSHOPS COMMITTEE

Professor J R Coggins (Convener)	2005
Professor I H Stevenson *	2006
Professor C M Steel	2006
Professor N A R Gow	2007
Professor R T Hay	2007

## SECTIONAL COMMITTEES AND THE ELECTORAL PROCESS

The Council appoints twelve Sectional Committees, corresponding to the disciplinary categories of the Fellowship, to take office on 1 June each year. Members of Sectional Committees are appointed by Council at the recommendation of the Fellowship Committee. Members of Sectional Committees will normally serve for a period of three years. Conveners will hold office for not more than three years, whether or not they have previously served as ordinary members of the committee. Members of Sectional Committees who have retired by rotation are eligible for reappointment after three years. The membership of Sectional Committees is printed below with the expected date of retirement shown against each name.

Sectional Committees serve as an essential element in the Election Procedure for Candidates for Fellowship. They represent the first stage in a five-stage selection process also including Sector Groups, the Fellowship Committee, Council and the Fellowship. Each October/November, Sectional Committees consider and prioritise the candidates nominated in their areas. These nominations are considered competitively within each Sector Group of cognate Sectional Committees using the allocation of provisional Fellowship places as decided by Council in September. Each Sector Group is chaired by a relevant Vice-President or the Treasurer. The Fellowship Committee considers the Groups' lists of recommended candidates, and these are then resolved by Council before the Ballot list goes to the Fellowship the following March.

Sectional Committees may also be asked to provide specialist advice to Council, as appropriate, on such matters as the programme of addresses and symposia, nominations for prizes, and responses to consultative documents from Government and other bodies. So far as possible, Council will inform Sectional Committees in September of business, additional to the Fellowship election procedure, which it will require of each Committee in that year.

SECTIONAL COMMITTEES

A1	Biomedical and Cognitive Sciences
A2	Clinical Sciences
A3	Organismal and Environmental Biology
A4	Cell and Molecular Biology
B1	Physics, Astronomy and Electrical Engineering
B2	Earth Sciences and Chemistry
B3	Engineering
B4	Informatics, Mathematics and Statistics
C1	Language, Literature and History
C2	Philosophy, Theology and Law
C3	Arts, Social Sciences and Education
D1	Economics, Business and Industry

MEMBERSHIP OF SECTIONAL COMMITTEES

*(as at 1 June 2004)*

GROUP A: LIFE SCIENCES

A1 Biomedical and Cognitive Sciences

Professor J Shepherd (Convener)	2005
Professor D H Crawford	2004
Professor P W Macfarlane	2004
Professor R M Elliott	2005
Professor P H Holmes	2005
Professor M Frame	2006
Professor W N Hunter	2006
Professor C Packard	2006
Professor E G Wright	2007
Professor A J Harmer	2007
Professor R Flin	2004
Professor S Della Sala	2005
Professor S C Garrod	2006

## A2: Clinical Sciences

Professor H R P Miller (Convener)	2006
Professor J Connell	2006
Professor A Dominiczak	2006
Professor John Forrester	2006
Professor J R Lamb	2006
Professor C D Forbes	2007
Sir David Carter	2007
Professor C Haslett	2007
Professor C M Steel	2007
Professor D J Webb	2007
Professor A Nolan	2007
Professor D T Baird	2007

## A3: Organismal and Environmental Biology

Professor P Monaghan (Convener)	2006
Professor S Blackmore	2005
Professor I L Boyd	2005
Professor P C Thomas	2005
Professor M R Blatt	2006
Professor D Charlesworth	2006
Professor M Gill	2006
Professor J I Sprent	2006
Professor A E Magurran	2007
Professor I G Priede	2007
Professor M B Usher	2007
Professor J Speakman	2007

## A4: Cell and Molecular Biology

Professor S M Brown (Convener)	2006
Professor J D Beggs	2005
Professor J M Cooper	2005
Professor W C Earnshaw	2006
Professor A H Fairlamb	2006
Professor N A R Gow	2006
Professor R T Hay	2006
Professor K H Vousden	2007
Professor M Bownes	2007
Professor J J Blow	2007
Professor J G Williams	2007
Professor N W Isaacs	2007
Professor M E J Woolhouse	2007

GROUP B: PHYSICAL, ENGINEERING AND INFORMATIC SCIENCES

B1: Physics, Astronomy and Electrical Engineering

Professor R D Kenway (Convener)	2007
Professor C T H Davies	2005
Professor D J S Birch	2006
Professor R J Nelmes	2006
Professor I D W Samuel	2007
Professor E Priest	2007
Professor J R Barker	2006
Professor S P Beaumont	2005
Professor A F Murray	2005
Dr T M Crawford	2006
Professor J R McDonald	2006
Professor A J Walton	2006
Professor A Asenov	2007

B2: Earth Sciences and Chemistry

Professor P J Sadler (Convener)	2006
Professor J McManus	2005
Professor D Edwards	2005
Professor A E Fallick	2005
Professor K J Edwards	2006
Professor J A Plant	2007
Professor L D Barron	2006
Professor A Harrison	2006
Professor R E Mulvey	2006
Professor N V Richardson	2007
Professor J A Murphy	2007
Professor A J Welch	2007

B3: Engineering

Professor J Spence (Convener)	2006
Professor J E L Simmons	2005
Professor K S Sorbie	2005
Dr J G Adamson	2006
Professor W M Banks	2006
Professor D D Drysdale	2006
Professor J F Roulston	2007
Professor M C R Davies	2007
Professor B G D Smart	2007

## B4: Informatics, Mathematics and Statistics

Professor J C S S McKee (Convener)	2005
Professor A R Bundy	2005
Mr I C Ritchie	2005
Professor T F Melham	2006
Professor G D Plotkin	2006
Professor M Calder	2007
Professor S Abramsky	2007
Professor A Carbery	2005
Professor D R Fearn	2005
Professor M Ainsworth	2006
Professor M A J Chaplain	2006
Professor J F Toland	2006
Professor D M Titterington	2007

## GROUP C: ARTS, HUMANITIES AND SOCIAL SCIENCES

## C1: Language, Literature and History

Professor R E Asher (Convener)	2006
Professor R D S Jack	2005
Professor J D M H Laver	2005
Professor T D M Gifford	2006
Professor A M S McMahon	2006
Professor M G H Pittock	2007
Dr C Kidd	2006
Professor R C C Law	2006
Mr R J Mercer	2006
Professor L J F Keppie	2007
Professor C A Whatley	2007
Professor H F A Strachan	2007

## C2: Philosophy, Theology and Law

Professor K G C Reid (Convener)	2006
Professor A Broadie	2005
Professor S J Broadie	2006
Dr V Haksar	2006
Right Reverend R F Holloway	2006
The Reverend Dr Fergus Kerr	2006
Professor D Fergusson	2007
Dr A Cubie	2005
Professor G L Gretton	2006
Professor K M Norrie	2006
The Rt Hon Lord Cameron of Lochbroom	2006
Professor N R Whitty	2007

C3: Arts, Social Sciences and Education

Professor J B I McDonald (Convener)	2005
Mr L A L Rolland	2006
Principal J W Wallace	2006
Professor D G Law	2007
Dr I McKenzie Smith	2007
Professor D A MacKenzie	2005
Professor S L White	2005
Professor M T Marshall	2006
Sir Alan Langlands	2005
Professor L J Paterson	2007

GROUP D: BUSINESS AND INDUSTRY

D1 Economics, Business and Industry

Mr G R Wilson (Convener)	2007
Mr J D M Robertson	2005
Mr B G Ivory	2005
Dr M W Kennedy	2005
Dr S I Rice	2005
Professor A Alexander	2006
Mr W Edgar	2006
Dr R W Milne	2006
Professor P Weetman	2007
Professor J Dawson	2007
Professor A Hughes Hallett	2006
Professor R F Elliott	2005
Professor D F Hendry	2006

## MEDALS, PRIZES AND PRIZE LECTURESHIPS

The Royal Society of Edinburgh awards Medals, Prizes and Prize Lectureships, details of which are given below. Prizes and Prize Lectureships carry monetary awards. Details of recent Award-winners can be found in the RSE Year Books 2001 and 1993 and in the Annual Review of the Session from 2000-2001 onwards. Appendix I shows the awards to be given over the next four Sessions, including the current Session (2004-2005). The awards available this Session are indicated by asterisks after their titles. Fellows are asked each year to make nominations for the awards, and completed nomination forms are required by the end of November. Forms for this purpose can be obtained from the Research Awards Manager. The award Committees meet early in the New Year, and the names of awardees, as approved by Council, are announced in March.

### MEDALS

#### DAVID ANDERSON BERRY MEDAL

This Medal was established in 1930 as a result of a donation from Dr David Anderson-Berry. It is awarded quinquennially for recent work on the effects of X-rays and other forms of radiation on living tissues. Published work is taken into consideration if submitted to the Society with the application. Next award Session 2008/9.

#### BICENTENARY MEDAL

This Medal was instituted by Council in 1983 to commemorate the bicentenary of the Society and recognises distinguished Service to the Society in Offices other than that of President.

HM Queen Elizabeth II presented the first four medals on the occasion of her opening of the refurbished Rooms on 25 June 1983. Awards are normally made triennially, in the first year of each Presidency. Next award Session 2006/7.

#### W S BRUCE MEDAL\*

Instituted in 1923, this Medal commemorates the work of Dr W S Bruce, an explorer and scientific investigator in polar regions. The Society acts as trustee for administration of the Bruce Medal fund and the award is made by a joint

Committee appointed by the Royal Society of Edinburgh, the Royal Physical Society and the Royal Scottish Geographical Society.

The Bruce Medal is awarded quinquennially and it is open to workers of all nationalities, preferably of Scottish birth or origin, and preferably at the outset of their careers. The Medal is for some notable contribution to Zoology, Botany, Geology, Meteorology, Oceanography or Geography. It should represent new knowledge, or be the outcome of a personal visit to polar regions by the recipient. Next award Session 2004/5.

#### KEITH MEDAL

This Medal was inaugurated in 1827 as a result of a gift from Alexander Keith of Dunottar, the first Treasurer of the Society. It is awarded quadrennially for a paper on a scientific subject presented in the first instance to the Royal Society of Edinburgh, preference being given to a paper containing a discovery.

The Medal is awarded alternately, provided that a paper worthy of recommendation has been received, for a paper published in:

- (i) Proceedings A (Mathematics) or
- (ii) Transactions (Earth Sciences).

Next award Session 2005/6 for a paper published in Proceedings A.

#### NEILL MEDAL\*

This Medal was first awarded in 1859, following a bequest received in 1851 from the late Dr Patrick Neill, a distinguished Scottish Naturalist. It is awarded triennially for a work or publication, by a Scottish Naturalist, preferably based in Scotland, on some branch of Natural History, completed or published within the last five years. Next award Session 2004/5.

#### ROYAL MEDAL\*

These Medals were instituted by Her Majesty The Queen in the year 2000. They are awarded annually, to individuals who have achieved distinction and are of international repute in any of the following categories: Life Sciences; Physical and Engineering Sciences; Humanities and Social Sciences; Business and Commerce. Candidates for the Royal Medals need not be RSE Fellows and should, preferably, have a Scottish connection irrespective of place of domicile.

**GANNOCHY TRUST MEDAL\***

The Gannochy Trust Award, instituted in 2002 and funded by The Gannochy Trust, will be made annually to an individual working in Scotland under the age of 45 who has shown an outstanding record of innovation and achievement. The Medal will be awarded to an individual and not to a company, although medallists may be carrying out their work in, or in collaboration with, Scottish based small to medium sized enterprises.

**PRIZES**

**MAKDOUGALL BRISBANE PRIZE**

This Prize was founded in 1855 by Sir Thomas Makdougall Brisbane, who was the fourth President of the Society and who held office for twenty-eight years. It is awarded biennially, with preference to a person aged under 40 working in Scotland, for particular distinction in the promotion of scientific research, with the proviso that, in the absence of a person of sufficient distinction, Council may decline to make the award. The Prize is awarded sequentially to research workers in the following fields:

- (i) Physical Sciences
- (ii) Engineering Sciences
- (iii) Biological Sciences

The award for Session 2005/6 is in the field of of Engineering Sciences.

**ALEXANDER NINIAN BRUCE PRIZE**

This Prize is funded by the Henry Dryerre Fund established under the will of the late Mrs Agnes Dryerre. It is awarded quadrennially for meritorious research in Medical or Veterinary Physiology, preferably to a person aged under 40 working in a Scottish Higher Education Institution. Next award Session 2006/7.

## PRIZE LECTURESHIPS

### BP PRIZE LECTURESHIP IN THE HUMANITIES

In 1990, British Petroleum provided an endowment to create a Prize Lectureship in the Humanities. The first Prize Lectureship was awarded in 1991. It is awarded biennially to a person aged under 40 working in a Scottish Higher Education Institution. It is awarded sequentially in the following subject areas:

- (i) Language, Literature and the Arts
- (ii) Archaeological and Historical Studies
- (iii) Social Studies
- (iv) Philosophy, Theology and Law

The award for Session 2005/6 is in the field of Philosophy, Theology and Law.

### BRUCE PRELLER PRIZE LECTURESHIP\*

In 1929 the Society, having received the bequest of the late Dr Charles Du Riche Preller, an electrical engineer and amateur geologist, instituted this biennial Prize Lectureship to be given to an outstanding scientist. It is awarded sequentially in the following areas:

- (i) Earth Sciences
- (ii) Engineering Sciences
- (iii) Medical Sciences
- (iv) Biological Sciences

or, at the discretion of Council, in some other branch of science.

Next award 2004/5 in the field of Engineering Science.

### CRF PRIZE LECTURESHIP \*

in Biomedical Sciences and Arts & Letters

In 1990, as part of a five-year Agreement with Caledonian Research Foundation, the Society created an annual Prize Lectureship in Biomedical Science. In 1994 it was agreed that the Prize Lectureship would alternate annually between Biomedical Sciences and Arts & Letters subjects. The next Lectureship will be in Biomedical Sciences. The Biomedical Sciences Lectureship is normally awarded to a scientist working outside the United Kingdom. There

is no geographical restriction on the domicile of the Prize Lecturer in Arts and Letters.

Prize Lecturers are expected to be of the highest international repute, with no restriction on nationality. The Prize Lecture is normally given at a number of locations in Scotland.

Next award 2004/5 in the field of Biomedical Sciences.

### HENRY DRYERRE PRIZE LECTURESHIP

In 1989, the Society received the entire estate of the late Mrs Agnes Dryerre, to establish a fund to be used principally to support research in Physiology. The Fund is named after her late husband, Henry Dryerre, who was a Professor of Veterinary Physiology at the Royal (Dick) Veterinary College, Edinburgh. The Prize Lectureship is awarded quadrennially to a distinguished scholar in the field of medical research. Next award 2006/7.

### HENRY DUNCAN PRIZE LECTURESHIP

In 1990, as part of its Purchase of Rooms Appeal, the Society received a donation from the Trustee Savings Bank (Scotland), from which Council created a Prize Lectureship named after the Reverend Henry Duncan, founder of the first Trustee Savings Bank. It is awarded triennially to a scholar of any nationality for work of international repute in Scottish Studies. Next award 2005/6.

### GUNNING VICTORIA JUBILEE PRIZE LECTURESHIP

This Prize Lectureship was founded in 1887 by His Excellency Dr R H Gunning, who spent much of his life in Brazil and was noted for his generosity. It is awarded quadrennially in recognition of original work by scientists resident in or connected with Scotland. It is awarded sequentially in the following areas:

- (i) Chemistry
- (ii) Physics
- (iii) Pure or Applied Mathematics

Next award Session 2007/8 in the field of Physics.

JAMES SCOTT PRIZE LECTURESHIP

In 1918 a Prize Lectureship was established in memory of James Scott, a farmer at East Pittendreich, near Brechin, by the Trustees of his Bequest. This is awarded quadrennially for a lecture on the fundamental concepts of Natural Philosophy. Next award 2005/6.

APPENDIX I (Prizes)

Awards to be made during the next four Sessions

NAME OF AWARD	2004/05	2005/06	2006/07	2007/08
David Anderson-Berry Medal				
Bicentenary Medal			x	
W S Bruce Medal	x			
Keith Medal		x		
Neill Medal	x			x
Royal Medal	x	x	x	x
Gannochy Trust Innovation Award	x	x	x	x
Makdougall-Brisbane Prize (£250)		x		x
Alexander Ninian Bruce Prize (£250)			x	
BP Prize Lectureship (£500)		x		x
Bruce-Preller Prize Lectureship (£500)	x		x	
CRF Prize Lectureship (alternates between Biomedical Sciences and Arts & Letters) (£1500)	x	x	x	x
Henry Dryerre Prize Lectureship (£500)			x	
Henry Duncan Prize Lectureship (£500)		x		
Gunning Victoria Jubilee Prize Lectureship (£500)				x
James Scott Prize Lectureship (£500)		x		

## RESEARCH FELLOWSHIPS AND AWARDS

The Royal Society of Edinburgh administers various Research Fellowship schemes operated through Fellowship Selection Committees, whose members are listed on pages 38-42. Details of the schemes are given below.

### SCOTTISH EXECUTIVE PERSONAL AND SUPPORT RESEARCH FELLOWSHIPS

These postdoctoral Fellowships are funded on an annual basis by the Scottish Executive Transport, Enterprise and Lifelong Learning Department. Particular emphasis is given to research proposals designed to enhance the transfer of ideas and technology from the research community, to secure wealth creation and/or improvement of the quality of life or otherwise consistent with Foresight priorities.

- (a) *The Personal Research Fellowships* are normally tenable for three years and are available to younger postdoctoral researchers. The Fellowships must be held in Scottish Higher Education Institutions and seek to encourage research and scholarship at the highest levels, particularly where this is of industrial or commercial significance to Scotland.
- (b) *The Support Research Fellowships* are available for 12 months to lecturer grade or equivalent level staff, in Scottish Higher Education Institutions, to provide the opportunity to take a year away from teaching duties and concentrate on research. The Society reimburses the employer the cost of a replacement member of the teaching staff.

There is an SETELLD Observer on the Selection Committee which meets in April and May each year to assess applications. The SETELLD Research Fellowships are advertised in January each year with a closing date in mid-March.

### CRF EUROPEAN VISITING RESEARCH FELLOWSHIPS IN ARTS AND LETTERS

In 1992 funding was received from the Caledonian Research Foundation to create a scheme of research support for the Humanities in Scotland which aims to establish a two-way flow of scholars between Scotland and Continental Europe. Eight CRF European Visiting Research Fellowships are awarded each year, normally four in each direction, and they are for visits of between two and six months' duration. The CRF Fellowships are advertised in September with a closing date in early November.

#### BP RESEARCH FELLOWSHIPS

This postdoctoral Fellowship scheme was set up in 1988 when British Petroleum most generously provided the Society with an endowment of £2 million. The Fellowships are tenable for three years in Scottish Higher Education Institutions, for independent research in: Mechanical Engineering, Chemical Engineering, Control Engineering, Solid State Sciences, Information Technology, Geological Sciences, and Organic Chemistry (non-biological). The funds are administered by the BP Research Fellowships Trust, the Trustees being the Society's President, the General Secretary and the Treasurer.

The BP Fellowships Selection Committee meets in April and May of each year. The BP/RSE Fellowships are advertised in January with a closing date in early March.

#### LLOYDS TSB FOUNDATION FOR SCOTLAND RESEARCH FELLOWSHIPS

This Fellowship scheme is funded by a grant from the Lloyds TSB Foundation for Scotland. The Studentships and post-doctoral Fellowships may be held at any Scottish Higher Education Institution for independent research which relates to improving the quality of life of the ageing population.

There is an observer from the Lloyds TSB Foundation for Scotland on the Selection Committee, which meets in April and May. The Fellowships are advertised in January with a closing date in March.

#### SCOTTISH ENTERPRISE AND PPARC ENTERPRISE FELLOWSHIPS

The Enterprise Fellowships funded by Scottish Enterprise were created in 1996 and may be held in any Scottish Higher Education Institution. They are available in Optoelectronics, Life Sciences, Energy, Microelectronics, Electronics, Food, Forest Industries and Tourism, and are tenable for one year. Those funded as a pilot scheme by the Particle Physics & Astronomy Research Council (PPARC) were created in 2000 and are available for commercialisation of research previously funded by PPARC. They may be held in any UK institution and are also tenable for one year.

The Fellowships are available to academic and research staff, postgraduates and graduates with relevant experience. A proportion of the Fellowship comprises business training modules and the remaining time is spent on developing the research from a commercial perspective. The Enterprise Fellowships are advertised in August and January with a closing date in late October and late March.

### SCIENCE FELLOWSHIPS FOR TEACHERS

Conceived and co-ordinated by The Royal Society of Edinburgh (RSE) and funded by the Scottish Executive's Transport, Enterprise and Lifelong Learning Department (SETELLD), the aim of the scheme is to support and stimulate teachers and enhance the transfer of ideas from commercial and research organisations to the world of education. Funding placements of up to three months, the programme aims to give teachers first-hand experience of the latest developments in their specialist fields, outwith the classroom, and offer new insights into career opportunities for science, engineering and technology graduates. The scheme also seeks to support teachers in responding to the fall in applications to study science and technology subjects at advanced level.

### ROBERT CORMACK BEQUEST SCHOLARSHIPS

In 1942 the Society received the estate of Mr Robert Cormack. The Society was directed to administer this Bequest for the purpose of promoting Astronomical Knowledge and Research in Scotland, as far as practicable.

In 1992 Council agreed that the Cormack Lecture be a biennial event and the next Cormack Lecture will take place in 2006. However, the Robert Cormack Bequest Meeting continues annually and this takes place on the last Monday of April each year and is held every second year in Edinburgh, alternating in the other years between Glasgow, Glasgow Caledonian and St Andrews Universities. In 2003, the Meeting was held for the first time at Aberdeen University. The Meeting is an all-day event, with a number of presentations by younger and senior research workers. A principal lecture, given by a distinguished scientist, concludes the Meeting.

The Cormack Committee also awards six undergraduate Vacation Scholarships each year, an Undergraduate Research Prize and a Postgraduate Research Prize. The scholarships are advertised in January with a closing date in March.

In 2000 Council agreed that the Cormack Committee may award small research grants, on an *ad hoc* basis up to a total of £5000 over five years, for new projects in astronomy which will benefit the public understanding of science.

#### JOHN MOYES LESSELLS SCHOLARSHIPS

These Scholarships arise from a bequest from the late Professor John Moyes Lessells, an eminent mechanical engineer who emigrated to the United States of America in 1920. The Scholarships are for Honours Graduates in Mechanical, Electronic, Electrical, Civil, Chemical and Computer Engineering from Scottish Universities, who wish to study some aspect of their profession outwith the UK. Recipients of the Scholarships must indicate that they intend returning to the UK after their period of study overseas. Scholars are normally appointed for one year, but appointments for shorter periods or for a second year will be considered if appropriate to the activity proposed. The scholarships are advertised in November with a closing date at the end of February.

#### HENRY DRYERRE SCHOLARSHIP

In 1989 the Society received the whole estate of the late Mrs Agnes Dryerre, to establish a fund to be used principally to support research in physiology. The Fund is named after her late husband, Henry Dryerre, who was a Professor of Physiology at the Royal (Dick) Veterinary College, Edinburgh University. The Henry Dryerre Scholarship supports postgraduate research in medical or veterinary physiology and was awarded for the first time in 1991. This award is normally tenable for a period of three years in a Scottish Higher Education Institution, and is administered for the Society by the Carnegie Trust for the Universities of Scotland. The next award will be made in 2006.

#### WELLCOME TRUST WORKSHOPS

A grant was received from the Wellcome Trust in 1992 to fund a series of Research Workshops in the fields of Biomedical Sciences (including Behavioural Sciences), Veterinary Sciences and History of Medicine. Following the success of the first series of workshops, the Wellcome Trust has continued to fund this scheme.

Prospective organisers of Workshops apply, on a competitive basis, for a grant of up to £2,500 in support of one-day Research Workshops held in Scotland, bringing together research staff, academic staff and clinicians to discuss topics of common concern. The Workshops are advertised in March, with a closing date in late May.

## GRANTS

The Royal Society of Edinburgh administers a Grants Fund for the award of grants to Fellows in support of research and scholarship. This Fund incorporates the legacies of Professor Reinhold Fürth, Mrs Clotilde Auber and Dr D S MacLagan. All Fellows, other than those serving on Council and the Grants Committee, whether in employment or retired, are eligible to apply. Details of the categories of grants are given below and application forms may be obtained from the Society's Research Awards Manager. The closing dates for applications to the Grants Committee in 2005 are: 28 February, 31 May, 31 August and 30 November.

### TRAVEL ASSISTANCE

Grants may be made to Fellows of the Society for travel and subsistence, connected with research or scholarship, and are usually given for short visits not exceeding four weeks. Applications for Travel Grants are restricted to one application every two years. Conference registration charges should not normally be included by those attending meetings as invited representatives or speakers, since these are expected to be waived for such participants.

As the Society's Travel Grants are restricted to one per two years, Fellows are normally expected to seek funds from other UK grant giving sources and are encouraged to seek support from sources outwith the UK. Travel Grants are currently subject to a limit of £300 for travel within the UK, £500 for a visit to Europe and £900 elsewhere. If a Fellow is ineligible for, or has failed to obtain, a grant from other sources, he/she may apply for the overall costs, subject to the limits already stated and to the two-year rule.

In the event that the time of the proposed visit and the meetings of the Grants Committee of the bodies concerned require simultaneous applications to be made, the Society will make a provisional grant on the understanding that the Society will be reimbursed appropriately when the amount awarded from other sources has been decided.

### D S MACLAGAN TRAVEL GRANT

A legacy was received in 1992 from the estate of the late Dr Daniel S MacLagan to provide a grant once every three years for travel and subsistence incurred in field work on terrestrial ecology, or for attendance at meet-

ings or conferences at which major results of research on terrestrial animal ecology are being presented in Britain or abroad. It is hoped that in addition to attendance at meetings or conferences, a grant holder would spend some time on research collaboration or other associated work during a visit. The grant is open to non-Fellows as well as Fellows, its present maximum value being £1500. Applicants should be members of staff of a Higher Education Institution in Scotland. The grant may be held in addition to funds from other grant-giving sources but Fellows of the Royal Society of Edinburgh may not hold the MacLagan Travel Grant in conjunction with a Travel Assistance Grant from the Society.

#### MEETINGS

Assistance may be given to Fellows wishing to organise small scale, specialist meetings or symposia in Scotland that are outwith the Society's own programme of meetings. Such support may be provided also for meetings organised jointly by the Society and some other organisation or for meetings organised by individual Fellows with the support of the Society. The actual amount granted will depend on the size of the meeting and be subject to a maximum of £600 for any one meeting. Some support may be provided in the form of a loan, possibly payable in advance of the meeting but repayable as a first charge upon the income of the meeting. The sponsoring Fellow will be expected to submit a brief report and statement of accounts after the meeting.

#### RESEARCH VISITORS TO SCOTLAND

Grants may be made to assist research visitors to Scotland from other centres in the United Kingdom or abroad to undertake collaborative research work with a Fellow of the Society for a period normally not exceeding one month. Grants may be used as a contribution towards travel and subsistence expenses subject to a maximum of £600 for a visitor from Europe and £900 for a visitor from outside Europe. It will be acceptable for the grant to be supplemented by other organisations such as the British Council, and the parent or the host institution. Applications should be made by the Fellow who will collaborate with the research visitor.

#### VISITING LECTURERS AND FÜRTH VISITING LECTURERS

Grants may be made available to individuals of suitable standing from elsewhere in the UK or abroad to assist them to come to Scotland to deliver one

or more lectures in Scottish Higher Education Institutions. Following the award of a grant, it is expected that the support of the Society be acknowledged in advertising the meeting or meetings at which the Lecturer will speak, and that the Fellow who is sponsoring the Visiting Lecturer will chair the meeting (or at least one of the meetings) addressed by the Visiting Lecturer.

The normal grant will be £350 but this amount may be increased if the Lecturer undertakes a series of lectures in more than one centre. The grant may be used for travel and subsistence expenses, and for suitable entertainment, but not for an honorarium. It will be acceptable, where appropriate, for the grant from the Society to be supplemented by other organisations such as the British Council and the parent or the host institutions.

In the case of a particularly distinguished Lecturer, following the decision of Council in 1991, it would be appropriate to award him/her the title of Fürth Visiting Lecturer in memory of Professor Reinhold Fürth (1893-1979), whose estate was received by the Society in 1983, and now forms a significant part of its Grants Fund. Such a Lecturer would be introduced as the Royal Society of Edinburgh Fürth Visiting Lecturer.

#### RESEARCH LIAISON WITHIN SCOTLAND

Assistance may be provided to a Fellow or one of his/her associates, whether in a Higher Education Institution or Research Institution, to enable visits to be made in furtherance of research collaboration between two institutions in Scotland. The maximum amount for any one project in a single year will be £600 but there will be no objection to assistance also being received from either or both the participating organisations.

#### PUBLICATIONS

Grants may be made to assist in the publication of books written by Fellows of the Society. Such grants will be in the form of a guarantee against loss and not as a subsidy or grant in aid of publication. The maximum amount of any guarantee will be £1000 for any one book but applicants may also seek support from other organisations such as the Carnegie Trust or their parent institution. The Society may consider matching such awards and details of any support already granted or applied for must be provided.

Applications should be accompanied by a copy of the typescript which will be assessed by referees appointed by the Society, or the author may arrange

with the publishers to make available, in confidence, the Reader's report on the work. In either case an award will only be considered if there is a positive recommendation that the work be published. In addition, a copy of any agreement or draft agreement between the author and the publisher is required. It is a condition of any grant that the author and the publisher agree to any sum paid by the Society to the publisher as a guarantee against loss being repaid by the publisher to the Society without interest, before a payment to the author of any fee or royalty.

#### UNIVERSITY/INDUSTRY LIAISON

Assistance may be provided to a Fellow or one of his/her associates whether in a Higher Education Institution or a Research Institution, or in industry to enable visits to be made in furtherance of collaboration or liaison between the academic or research institution and industry where consultancy fees are not involved. The maximum amount for any one project in a single year will be £600 but there is no objection to assistance also being received from either the parent or the host organisation.

These awards may be used, for example, to enable a researcher in a university department to visit an industrial organisation to initiate or to continue collaborative research on a project of mutual interest or alternatively to enable a researcher from an industrial laboratory to visit an academic laboratory for the same purpose. They could be used to support a visit of a few weeks or alternatively a number of shorter visits over the period of the award.

#### AUBER BEQUEST AWARDS

In 1988 the Society received the whole estate of Mrs Clotilde Auber, widow of a former Fellow, Dr Lewis Auber (1889-1974). Applicants for an Auber Bequest should be naturalised British citizens or desirous of acquiring British nationality. They should be over sixty years of age, reside in Scotland or England and be bona fide scholars engaged in academic (but not industrial) research. The Scheme is operated on a biennial basis.

The Auber Awards are advertised in September, in alternate years, with a closing date in mid-January.

# EVENTS

## MEETINGS PROGRAMME

Fellows are encouraged to submit proposals for events to be run as part of the Events Programme. Guidelines and a proposal form can be obtained from the Events Manager, or downloaded from the RSE website.

## CONFERENCES

One-to-three-day events, on topical areas of interest, that aim to inform a specialist audience or bring matters of importance to a public forum. Conferences are held throughout the year in partnership with a number of different bodies, and are funded through corporate, public and charitable donations and registration fees.

## DISCUSSION DINNERS AND SUPPERS

These events, funded wholly from charges made to Fellows, allow Fellows an opportunity to meet their peers over dinner or supper to discuss multidisciplinary topics. Discussion suppers are led by chosen speakers and discussion dinners follow on from a lecture.

## DISCUSSION FORUMS

One-to-two-hour multidisciplinary events involving two to three speakers who give an opposing point of view on a highly topical issue. The aim is to stimulate discussion and provide a neutral forum for informed consideration on matters of strategic importance to Scotland's wellbeing.

## EXHIBITIONS

The RSE holds exhibitions in partnership with a number of different bodies, funded through corporate, public and charitable donations.

## ORDINARY MEETINGS

An event, for instance a lecture, or other meeting that involves Society business, such as new Fellows signing the roll. There are usually 10 of these per year.

#### PUBLIC LECTURES

A regular series of one-to-two-hour public lectures delivered by eminent speakers on subjects of general interest. RSE lectures are funded from Fellows' subscriptions, Scottish Executive funds, RSE Prizes funds and corporate and charitable donations. RSE lectures include:

##### ECRR PETER WILSON LECTURE

This lecture, supported by the Edinburgh Centre for Rural Research (ECRR) and Institute of Biology (IoB), aims to promote knowledge and research into plants and biology.

##### EDINBURGH LECTURES

Annual lectures that are given as part of the Edinburgh Lectures series to increase knowledge and understanding of global issues. The RSE normally organises one of these.

##### PRIZE LECTURES

The RSE awards Medals, Prizes and Prize Lectureships annually. Prize Lectureships carry monetary awards and are normally awarded to lecturers in recognition of the outstanding work they have done. Fellows are asked each year to make nominations for the awards, and completed nomination forms are required by the end of November. Further details and forms for this purpose can be obtained from the Research Awards Manager.

##### REGIONAL LECTURES

An annual programme of lectures on a wide range of topics that take place at venues across Scotland. These lectures are usually hosted by local organisations or institutes and are given by those recognised as rising stars in their subjects. The aim is to provide greater networking opportunities for Fellows whilst attracting wider audiences.

##### RSE/ ROYAL ACADEMY OF ENGINEERING (RAEng) ANNUAL LECTURE

This annual lecture is organised jointly with the RAEng and hosted in alternate years by the RSE or the RAEng. The aim is to promote research in Engineering.

## FELLOWS' SOCIAL EVENTS

Throughout each Session, several Social Events for Fellows take place.

The Fellows' Triennial Dinner is held once during the three year term of each Presidency. Fellows are notified of the date around 2 months in advance and may attend upon payment of a fee.

A Summer Reception for Fellows, their partners and guests is normally held in June/July, with the venue alternating between the RSE and another location in Scotland.

For some years a golf tournament has been held for Fellows and their guests. Meetings have so far been held at Murrayshall (Scone), Aberdour, Glenbervie (Larbert), Lundin Links and Dunblane golf courses. Suggestions for future venues are welcome.

The annual New Fellows' Dinner, is an induction event where New Fellows can meet current members of Council and senior staff.



# YOUNG PEOPLE'S PROGRAMME

## SCHOOLS' LECTURE PROGRAMME

These lively talks at primary and secondary schools throughout Scotland are funded through corporate and charitable donations. Aiming to enthuse and excite students about science, engineering and maths, the lectures demonstrate the relationship between subjects studied at school and their practical applications.

## CHRISTMAS LECTURES

Held at a different location each year, there is a talk for local school students and a talk for the wider community by a high profile speaker. Supported by the Heggie Fund, they aim to inspire students and support subjects studied at school, as well as inform and entertain the general public.

## RSE ROADSHOW

The RSE Roadshows, are aimed at older primary and secondary school children throughout a given area. It includes talks and workshops to bring science to life.. They are held at different locations and there is often a talk for the general public.

## STARTUP SCIENCE MASTERCLASSES

These masterclasses are held at five different locations in Scotland. They aim to widen students' experience of science, engineering and technology. The masterclasses, with an emphasis on practical activities, are for students in S1 and S2.

## PHYSICS MASTERCLASSES

Building on the success of the Startup Science Masterclasses, these classes are supported by the Heggie Fund and the University of Glasgow. They allow S5 and S6 students the chance to find out about the everyday applications of physics, through imaginative, hands on activities.

### SCIENCE SUMMER CAMP

A non-residential summer camp, supported by corporate and charitable donations, for S5 and S6 students. Young people learn about science and technology through talks and interactive activities. Students also learn transferable skills and get advice about university life, course and careers.

### MATHS MASTERCLASSES

These established masterclasses, funded by the Dr James Heggie Fund, are aimed at primary school children to show that maths is fun and creative whilst also developing children's intuition, problem-solving and analytical skills.

### DISCUSSION FORUM FOR YOUNG PEOPLE

The RSE Young People's Discussion Forum, supported by corporate and charitable donations, aims to offer students in S5 and S6 a chance to get to grips with topics such as Mobile Phone Safety and Cloning. Based on the Consensus Conference model, participants hear evidence from experts and interested parties before discussing the issues in greater detail in smaller workshop groups. The students then put forward their own ideas and proposals which are compiled into a report that is sent to decision-making bodies. This allows young people the opportunity to have a say in issues that affect society.

### YOUNG PEOPLE AT RSE PUBLIC LECTURES

Local senior school students are encouraged to attend the RSE public lectures, so bridging the gap between the Events and the Young People's programmes. The public lectures are aimed at non specialist audiences and therefore are suitable for senior school students.

### AWARDS

The Young People's Committee is grateful to those who volunteer their time to the RSE activities for schools students and each year presents awards to those who have made an extraordinary contribution.

## INTERNATIONAL PROGRAMME

Since devolution and the publication of the Scottish Science Strategy, a key aim for the nation and the Society has been to help deliver a Scotland that does not operate in isolation from the international community. Scotland is being seen differently in an international context and has stimulated considerable overseas interest in developing relationships with it. As a result of this the Society increased and strengthened its international role. Its main focus has been, and will continue to be, on outcomes that support the interests of its Fellowship.

### **The Society's key international activities are:**

- Promoting the knowledge and profile of Scotland and the Society overseas through supporting international initiatives and increased interaction and co-operation with organisations such as the British Council, Scottish Parliament, Scottish Executive, Scottish Development International and Scottish research institutes.
- Interacting with and running joint activities with selected overseas academies.
- Facilitating international exchange programmes that enable increased international contact and collaboration between Scottish and overseas researchers and scholars.
- Providing a forum for discussion of international developments in science, arts, letters, the professions, technology, industry and commerce.

## INTERNATIONAL EXCHANGE PROGRAMMES

### **Bilateral Programmes**

The Society has signed Memoranda of Understanding with the Chinese Academy of Sciences, the Polish Academy of Sciences and the National Science Council of Taiwan. These bilateral agreements include exchange programmes of short visits, of one to four weeks' duration to allow researchers based in Scotland to collaborate with researchers based in host institutions affiliated with the partner academies. Researchers travelling from Scotland may apply for a grant to cover the costs of their international airfares. Their local costs

will be met by the host institution. Conversely, researchers travelling to Scotland will have their international travel costs paid by their own academy and the Society will pay the local costs of the visit in Scotland.

### **Open Programme**

The Royal Society of Edinburgh is keen to facilitate, encourage and support research collaboration in all areas between Scottish and overseas research groups. As well as the bilateral exchange programmes with China, Poland and Taiwan, the Society is offering grant awards to researchers wishing to further collaboration with research groups in other countries.

The grants are for short-term visits of up to four weeks' duration, the key objectives being to exchange the research capabilities of individual researchers, initiate and develop international research collaborative links/shared research projects between countries, and enable participation in international research programmes, e.g. FP6.

Researchers may apply for travel costs (UK and international) and subsistence costs to be covered under this scheme. Scottish researchers who wish to host a visitor should make the application on their behalf.

Travel combined with attendance at a conference is not normally considered under the open programme.

### **Applications**

For both programmes, applications are open to Fellows and post-doctoral researchers based at a Scottish research institution. Grants are awarded through open competition. It should be noted that costs such as bench fees and field sample shipping costs should not be included by the funding offered to successful candidates.

Both visitors and hosts abroad should have established contact before submitting an application, either by previous collaboration or by scientific correspondence.

There are four closing dates each year, at the end of: February, May, August and November. Further details and application forms on these exchange schemes can be found on the International Page of the Society's web site or by contacting the International Activities team.

PROMOTING SCOTLAND

***Science Scotland***

A periodical to promote the excellence and innovation of Scottish research overseas has been created. *Science Scotland* is being targeted at an overseas audience and is generally well received. This publication is being produced in different formats – paper copy, e-zine and web site. This allows for information to be updated to suit the mode of communication. An editorial board has been created to oversee the content of material used. Any research group working at a Scottish research institution carrying out innovative research of world class is invited to submit ideas to the editorial board, via the International Activities Manager to be considered for publication. For registration and further details, please refer to the web site: [www.sciencescotland.org](http://www.sciencescotland.org).



## PUBLICATIONS

The RSE has been publishing for over 200 years, initially *Transactions*, followed in 1831 by *Proceedings*. The series continue to the present day, albeit in different forms.

### THE JOURNALS

The journals

- *Proceedings of the Royal Society of Edinburgh, Section A: Mathematics*,  
and

- *Transactions of the Royal Society of Edinburgh: Earth Sciences*

are peer-reviewed specialist research journals with an international audience and authorship. Each journal is edited by Fellows expert in the particular fields, supported by an international Board of Consulting Editors.

### REVIEW AND DIRECTORY

The Sessional Review (ISSN 1476-4342) and the Annual Directory (ISSN 1476-4334) replace the Year Book (ISSN 0080-4576) of the Society, which was last published in 2001.

### ReSourceE

RSE News (ISSN 1352-3325), the RSE's first newsletter, was published from 1993 to 2000 and was replaced by ReSourceE (ISSN 1473-7841) in Spring 2001.

## OTHER PUBLICATIONS

### General Publications

New Directions in Differential Equations

James Hutton & Joseph Black

History of the Society

Mathematics books for children

### Occasional Papers

No. 1: Leukaemia Clusters (1995)

No. 2: Waste Disposal (1995)

No. 3: Gene Therapy (1995)

No. 4: Scientific Research & Oral Health (1996)

No. 5: Ethical Implications of the Human Genome Project (1996)

No. 6: Scotland's universities in the 21st century (1997)

### Inquiry Reports

Available on the RSE Website

### Conference and Seminar Reports

Available on the RSE Website

## ORDERING

RSE Journals (*Proceedings A* and *Transactions*, together with back volumes of the biological series, *Proceedings B* which was discontinued in 1994) are available from the RSE's distribution agents, CABI Publishing. Other volumes available from CABI are back issues of the Year Book, The Sessional Review and Annual Directory, New Directions in Differential Equations, James Hutton and Joseph Black.

Please contact: Customer Services Department, CAB Publishing, Wallingford, Oxon OX10 8DE

Tel: +44 (0)1491 832111; Fax: +44 (0)1491 829292; email: [orders@cabi.org](mailto:orders@cabi.org)

All other publications are available direct from the Royal Society of Edinburgh. Further details are available from the Journals Officer ([publications@royalsoced.org.uk](mailto:publications@royalsoced.org.uk)). All prices include postage and cheques should be made payable to 'The Royal Society of Edinburgh'

## EVIDENCE AND ADVICE

The Society is frequently asked to comment on proposals prepared by Government departments, Committees of Inquiry, Parliamentary Committees and other public bodies. The RSE also undertakes proactive Inquiries into topics such as *Foot and Mouth Disease in Scotland*, *Encouraging Resolution: mediating patient/health Service disputes in Scotland* and *The Scottish Fishing Industry*.

With the Fellowship spanning the range of disciplines from Arts to Sciences, Business and Public Affairs, the Society offers a unique resource of intellect and multidisciplinary experience, to provide a more holistic approach to expert advice.

Following Devolution and the establishment of the Scottish Parliament, the Society is seeking to play a constructive role in Scotland's governance, legislation and wider UK policy making, and Council believes that the Society should have systems in place to respond promptly and effectively in providing independent evidence and comment.

In this context, the Society is piloting a Scottish Parliament Science Information Service in association with the Royal Society of Chemistry and the Scottish Parliament Information Centre. The scheme aims to ensure that all Members of the Scottish Parliament have access to reliable, rapid and impartial information on science, engineering and technology-related issues in order to help inform parliamentary activities.

Fellows have the opportunity to contribute to the Society's responses, and thereby influence the processes being advised upon. Please contact the Policy Officer ([evidence\\_advice@royalsoced.org.uk](mailto:evidence_advice@royalsoced.org.uk)) to receive regular notification of current submissions. All views are welcome as the Society takes a multidisciplinary view in order to produce a well-rounded response.

## KEY AREAS OF ACTIVITY

- a) providing independent advice to the Scottish Parliament and Government, and other bodies, on policy issues affecting Scotland, directly and indirectly through the Fellowship.
- b) responding to public consultations and offering an expert, multidisciplinary perspective on national and global problems.
- c) acting as an independent think-tank, and publishing authoritative Royal Society of Edinburgh Reports.

## CONFERENCE FACILITIES

The RSE Scotland Foundation was formed by the Royal Society of Edinburgh in 1996 as a charitable trust with broad-ranging educational, scientific and cultural objectives. Its first major project was the refurbishment of 26 George Street and linking to 22-24 George Street to provide first-class conference facilities which it now manages.

With a variety of rooms available, the facilities in the RSE Scotland Foundation Conference Centre can be tailored to meet the needs of a diverse range of meetings.

### CONFERENCE CENTRE

ROOMS	NUMBERS SEATED	NUMBERS RECEPTION
Wolfson Lecture Theatre	145	N/A
Wellcome West	80	130
Wellcome East	60	80
Kelvin Room	18 (at table)	20
Meeting Room	16	25
Upper Gallery	60	80
Swann Room	40	50
Lower Gallery	30	40

### AUDIO VISUAL EQUIPMENT

Overhead Projector and Screen, Laptop, Portable PA System, Data Projector, 25mm Slide Projector, VCR and Monitor, Video-Conferencing, White Board, Flipchart.

## FACILITIES FOR FELLOWS

The Fellows' Room is available for Fellows at no charge and is refreshments are available should they be required. Internet access can be made available for Fellows on request.

Occasionally, during major conferences, the Fellows' Room may be required for interviews, breakout sessions, etc. Should that be the case, Fellows will be provided with suitable alternative facilities.

For further information contact : the Conference Centre Co-ordinator ([rooms@royalsoced.org.uk](mailto:rooms@royalsoced.org.uk)) or see the Foundation web site, [www.edinburghconferences.org.uk](http://www.edinburghconferences.org.uk)

## DEATHS REPORTED DURING SESSION 221 NOVEMBER 2003 - OCTOBER 2004

### ORDINARY FELLOWS

Dr Henry Matthew ADAM	18 June 2004
Professor Dirk BIJL	16 August 2004
Professor Arthur Donald BONEY	20 August 2004
Professor (Anthony) John CLARK	12 August 2004
Sir Alan (Hugh) COOK	23 July 2004
Professor William Alexander CRAMOND	7 June 2004
Dr Arthur James Ogilvie CRUICKSHANK	7 May 2004
Professor Douglas Scott FALCONER	23 February 2004
Professor Roy FOSTER	8 November 2003
Professor Robert Barclay GOUDIE	25 April 2005
Dr James Kerr GRANT	6 January 2004
Professor George Patrick HENDERSON	11 May 2004
Dr Violet Rosemary Strachan HUTTON	1 April 2004
Professor Hugh Christopher LONGUET-HIGGINS	27 March 2004
Professor William McKANE	4 September 2004
Professor Anna MacGillivray MACLEOD	13 August 2004
Dr William Barr MARTIN	6 October 2004
Professor Gordon Ramsay NICOLL	29 April 2004
Professor Stanley Donald NISBET	25 February 2004
Professor Guan Bee ONG	10 January 2004
Professor Harold Stanley Arthur POTTER	5 October 2004
Professor Adam Neil SMITH	12 June 2004
Professor Donald Elmslie Robertson WATT	18 April 2004
Sir Alwyn WILLIAMS	4 April 2004
Professor Peter Northcote WILSON	29 January 2004

### HONORARY FELLOWS

Professor S BERGSTROM	15 August 2004
Dr Francis Harry Compton CRICK	28 July 2004
Professor Wallace Spencer PITCHER	4 September 2004
Professor Maurice Hugh Frederick WILKINS	5 October 2004

## FELLOWS ELECTED DURING SESSION 2003-2004

### HONORARY FELLOWS

Alan GREENSPAN  
Jack St Clair KILBY

Edward Osborne WILSON

### CORRESPONDING FELLOWS

Douglas Sutherland BRIDGES  
Victor Matveevich BUCHSTABER  
Eleanor Elizabeth Bryce CAMPBELL  
Wolfgang F G MECKLENBRAUKER

David Thomas PEGG  
John URQUHART  
Bhadriraju KRISHNAMURTI

### ORDINARY FELLOWS

Asen Michaylov ASENOV  
Brian ASHCROFT  
David BEGG  
Jocelyn Susan BELL BURNELL  
Paul Michael BISHOP  
Mary BOWNES  
Callum Graham BROWN  
Oscar Peter BUNEMAN  
Graham Douglas CAIE  
Stuart Malcolm COBBE  
David John COOKE  
John Kevin CURTICE  
John Alan DAWSON  
David Alexander Syme FERGUSSON  
Roderick Allister McDonald  
GALBRAITH  
Brian GILL  
Christopher Simon HALEY  
Gordon HAYWARD  
Richard Milne HOGG  
Alan William HOOD

Deborah Janet HOWARD  
Nicholas Barrie LA THANGUE  
Jeremy John LAMBERT  
Bruce Philip LENMAN  
Andrew Peter MACKENZIE  
Stephen MCLAUGHLIN  
Agnes Lawrie Addie Shonaig  
MACPHERSON  
Anne Elizabeth MAGURRAN  
Elizabeth Ann MOIGNARD  
Thomas MULLIN  
Andrea Mary NOLAN  
David O'HAGAN  
Timothy Michael Martin O'SHEA  
Karl John OPARKA  
Lindsay John PATERSON  
Murray George Hornby PITTOCK  
Wilson Che Kei POON  
Stephen David REICHER  
Philippe George SCHYNS  
Mark Robert SHAW

## Directory 2005

John Roger SPEAKMAN

John Arthur SWAFFIELD

David TOLLERVEY

John Richard UNDERHILL

Ian UNDERWOOD

Christiaan Richard David VAN DER  
KUYL

Karen Heather VOUSDEN

John MacQueen WARD

David John WEBB

Bonnie Lynn WEBBER

Cornelis Jan WEIJER

Alan Jeffrey WELCH

Robert John WHITE

Mark Edward John WOOLHOUSE

Eric George WRIGHT

## RSE REPRESENTATION ON EXTERNAL BODIES

General Convocation of Heriot-Watt University	Professor V B Proudfoot, OBE
General Convocation of the University of Strathclyde	Professor H C S Wood, CBE
General Convocation of the University of Stirling	Vacancy