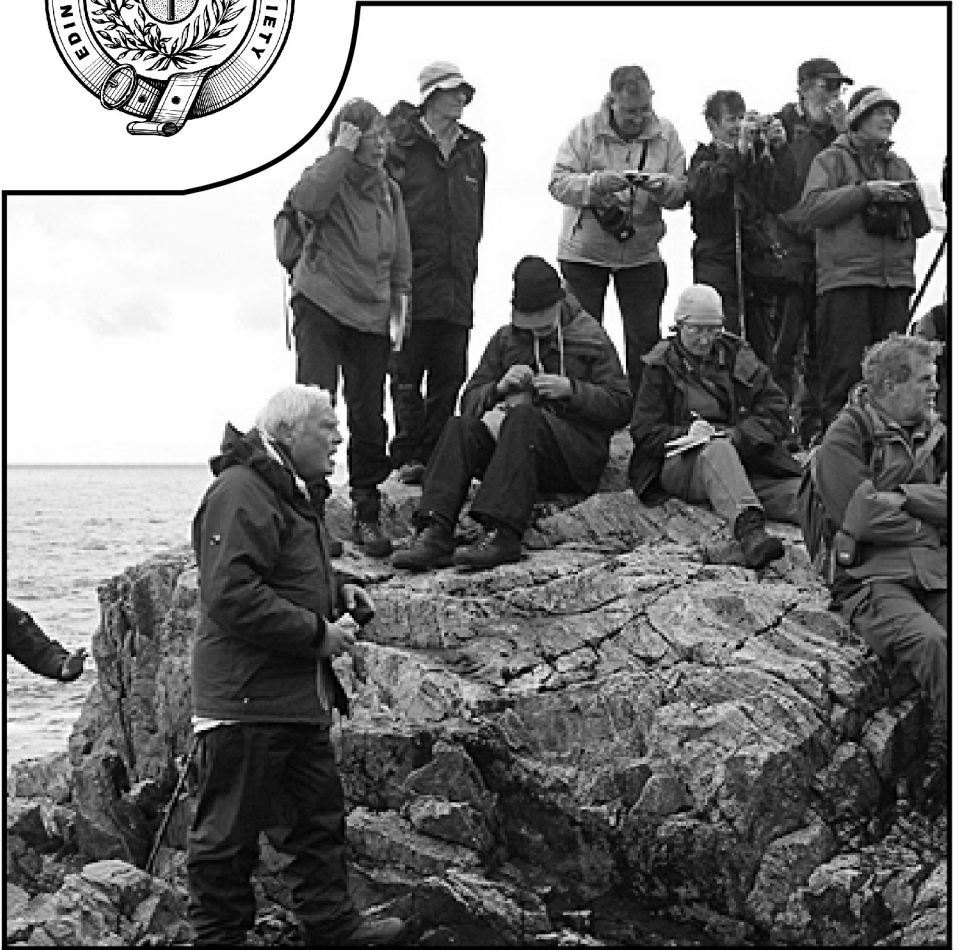


EDINBURGH GEOLOGICAL SOCIETY



Annual Report and Proceedings

177th Session
2010 - 2011

www.edinburghgeolsoc.org

A charity registered in Scotland SC 008011

Edinburgh Geological Society

Report of Council for the Year Ended 30th September 2011

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Mike Browne from Lothian & Borders GeoConservation explains the story of Barns Ness limestone to members of the public during an Open Day.

© Beverly Bergman.

Cover image: Members of the Society on the cliffs at Mangurstadh in West Lewis during the 2011 Long Excursion. © Anne Burgess.

Welcome

The Council of the Edinburgh Geological Society takes great pleasure in presenting our Annual Report and Accounts for the year ending 30th September 2011. The Society has had a very busy year, hosting successful programmes of lectures and excursions, including a major public lecture, and seeing a marked increase in membership.

Angus Macpherson, President

Legal and Administrative Information

Charity Name: Edinburgh Geological Society
Scottish Charity Number: SC 008011
Revenue & Customs No.: CR 30310
Registered Office: None
Official Contact Address: c/o Mr R Morley, Flat 3, 27 Sunbury Street,
Edinburgh EH4 3BU

Council 2011 (Elected 19th January 2011)

President: Angus Macpherson
Vice-Presidents: Graham Leslie, Andrew McMillan
Secretary: Angus Miller
Treasurer: Bob Morley
Membership Secretary: Christine Thompson
Lectures Secretary: Kathryn Goodenough
Excursions Secretary: Richard Smith
Assistant Secretary (Billet): Sarah Bailey
Publication Sales Officer: Ian Jackson
Librarian & Archivist: Bob McIntosh
Scientific Editors: Rob Duck, Ian Alsop
Ordinary Members: Bob Reekie, Rachel Wood, Lilian d'Mello, Fiona McGibbon, Beverly Bergman and Ken Grant.

Independent Examiner

Mr L H Stewart, C A, Dalgliesh & Tullo, Chartered Accountants, 23 Rutland Square, Edinburgh EH1 2BP

Bankers

Bank of Scotland, 1 Liberton Drive, Edinburgh EH16 6NL

Investment Managers

Brewin Dolphin Securities Ltd, 7 Drumsheugh Gdns, Edinburgh EH3 7QH

Solicitors

Simpson & Marwick, Albany House, 58 Albany Street, Edinburgh EH1 3QR.

Structure, Governance and Management

Objectives and Activities

The Society was founded in 1834, and its objectives are the stimulation and encouragement of public interest in geology and the advancement of geological knowledge by such means as public lectures, symposia, conferences, the reading and discussion of original papers, excursions, exhibitions, the maintenance of a geological library, the publication of the *Scottish Journal of Geology* jointly with the Geological Society of Glasgow, and the production of any other geological publications which may be considered desirable.

Governing Document

The Society is recognised by the Scottish Charity Regulator and HM Revenue and Customs as a Charity. Its governing document is the Laws of the Society, as amended by the membership of the Society at Special General Meetings called for the purpose. The members of the Council of the Society act as charity trustees, as defined in the Charities and Trustee Investment (Scotland) Act 2005, in having the general control and management of the administration of the Society.

Recruitment and Appointment of Council

Council is elected at the Annual General Meeting of the Society, held in January each year. The President and Vice-Presidents each serve on Council for two years. Other office bearers are elected annually, but there is no limit on the number of years for which they may be re-elected. There are up to six Ordinary Members of Council who are each elected for 3 years.

Trustee Induction and Training

A Trustee Induction Pack is given to all new Council members and prospective members, to ensure that they are aware of their duties under the 2005 Act and understand their legal responsibilities as Trustees of the Society. Office bearers have generally been members of the Society for several years.

Risk Management

The Society aims to break even financially over short periods of years and prepares an annual budget to help achieve this. The portfolio of investments provides a buffer in case of need.

A risk assessment is carried out for each field excursion, and includes a description of the terrain to be encountered and emphasises particular hazards such as uneven ground, slippery or unstable surfaces or sheer drops. Walking distances and the nature of any ascents or descents are also specified. Information on such hazards, and the level of fitness required by participants, is included in the published excursion programme.

The Society is insured against third party liability arising from claims

resulting from the Society's activities during excursions and site work by Geoconservation Group members. This insurance is provided through the Geologists' Association, to which the Society is affiliated.

Organisational Structure

The Society has a Council of 19 members who are responsible for the strategic direction and policy of the Society. All Council members are voluntary and unpaid. The Society has no paid employees.

Sub-committees manage particular aspects of the Society's work. These are Planning, Finance, Publications, Excursions and Grants (The Clough Committee).

Related parties

The Lothian and Borders GeoConservation Group and the Stirling and Clackmannan RIGS Group are involved in designating, publicising and helping to maintain Local Geodiversity Sites in their respective areas, and are sub-committees of the Edinburgh Geological Society. At its meeting on 24th November 2010, Council formally accepted Tayside Geodiversity as our third geoconservation sub-committee, with a similar relationship, function and structure to the existing sub-committees.

The *Scottish Journal of Geology* is owned jointly by the Edinburgh Geological Society and the Geological Society of Glasgow. Each Society appoints two scientific editors to sit on the board.

The Society is a founding member of the Scottish Geodiversity Forum, established in March 2011 and incorporating GeoConservation Scotland and the Scottish Geology Festival Organising Partnership. The Forum aims to promote Scotland's geodiversity, and seeks to widen the profile of geodiversity and influence national and local policies.

The Society is affiliated to the Geologists' Association.

Achievements and Performance

Overview

The Society had a highly successful year in pursuing its objectives of the stimulation and encouragement of public interest in geology and the advancement of geological knowledge. The programmes of lectures and excursions were well attended. A major public lecture by Prof Iain Stewart drew a large crowd, and was partially responsible for the increase in membership that the Society enjoyed during the year. The Society published *A Geological Excursion Guide to the North-west Highlands of Scotland*, jointly with NMS Publishing. This highly regarded guide has sold well. Our affiliated local geoconservation groups continued to be active, with Lothian and Borders GeoConservation publishing two new leaflets.

Council

The Council met 8 times during the year, and maintained an overview of the full range of activities of the Society. Council members worked hard, and took some tough decisions, to increase income and control expenditure, resulting in a modest surplus for the first time in many years.

The Planning Committee considered in detail several issues connected with the smooth running of the Society, including arrangements for sale and storage of publications. On the advice of the Finance Committee, Council maintained unchanged the instructions to our investment managers.

Lectures Programme 2010-2011

The programme, organised by our new Lectures Secretary Kathryn Goodenough, consisted of 12 meetings. They were well received, with healthy attendances. The public lecture by Prof Iain Stewart, jointly with the Geological Society of Glasgow, was held at the David Hume Tower, but even this larger venue was full to overflowing. Fellows' Night and the social evening took place at BGS Murchison House in Edinburgh's worst winter weather for many years. It was attended by a small, enthusiastic group who enjoyed a selection of short presentations and a wine and cheese reception, arranged by John Mendum. The Society does not pay a fee to speakers and is very appreciative of the time and expertise that they give so willingly. Lectures held during the session were:

2010

- 13th Oct Dr Dave Chew (Trinity College, Dublin). The proto-Andes: a long-lived margin in South America.
- 27th Oct Professor Paul Smith (Birmingham University). Maps, Mountains and Madness - Charles Lapworth and the Highlands Controversy.
- 10th Nov Presentation of the Clough Medal Professor Colin Ballantyne (St Andrews University). After the Ice: Holocene landscape evolution in the Scottish Highlands.
- 24th Nov Professor Jon Davidson (Durham University). New Perspectives in Understanding How Volcanoes Work.
- 8th Dec Fellows' Night and Social Evening.

2011

- 19th Jan Professor Ian Main (University of Edinburgh). Forecasting rock failure: from the lab to volcanoes and earthquakes.
- 2nd Feb The James Wright Memorial Lecture - jointly with the Geological Society of Glasgow. Professor Iain Stewart (University of Plymouth). Scotland Rocks!
- 16th Feb Dr Tom Bradwell (British Geological Survey). What do we really know about the glaciation of Scotland?
- 2nd Mar Dr Richard Brown (The Open University). Natural Born Killers: the nature and hazards of pyroclastic flows from explosive volcanic eruptions.
- 16th Mar Dr Sarah Davies (Univ Leicester). New Light on Dark Muds.
- 30th Mar Professor David Fowler (Centre for Ecology and Hydrology). Global Nitrogen cycling in the Anthropocene and consequences for food security and human health.
- 13th Apr Chris Sangster (Scotgold Resources). Gold in Scotland with reference to Scotgold's Grampian Gold Project - Joint lecture with the Mining Institute of Scotland.

Excursions Programme 2011

The programme arranged by new Excursions Secretary Richard Smith comprised six Saturday and six Wednesday evening excursions, It was well attended and all excursions were greatly enjoyed by the participants.

Excursions held during the session were:

- Wed 4th May Redhall. Leader: Beverly Bergman.
- Sat 7th May St Andrews. Leaders: Rosalind Garton & Richard Batchelor.
- Wed 18th May Bavelaw to Loganlea. Leader: Richard Smith.
- Sat 21st May Tyndrum area. Leaders: Dave Catterall & Chris Sangster, Scotgold.
- Wed 1st Jun Corstorphine Hill. Leader: David McAdam.
- Wed 15th Jun Holyrood-St Leonards. Leader: Angus Miller.
- Sat 25th Jun Little Glen Shee, The Hermitage and Craig a' Barns. Leaders: David Stephenson & John Mendum.
- Wed 29th Jun Wardie/Granton. Leader: Alistair McGowan.
- Wed 13th Jul Building Stones walk in the New Town. Leader: Andrew McMillan.
- Sat 23rd Jul Tantallon Castle, East Lothian. Leader: Angus Miller.
- Sat 27th Aug Langholm area. Leader: Andrew McMillan.
- Sat 3rd Sep Strathblane area with High Tea. Joint excursion with Geological Society of Glasgow. Leader: Jim MacDonald.

In May, the very successful Long Excursion to Harris was led by Doug Fettes and John Mendum, and organised by Anne Burgess. Lilian d'Mello took on the organisation of the weekend excursion, and a very successful trip to the Isle of Bute was arranged, and led by David Stephenson and John Mendum.

Membership

The total membership of the Society at 30 September 2011 was 541, a marked increase from 510 the previous year and a reversal of several years of slow decline. This comprised members in the following categories, with last year's figures in brackets:

Honorary Fellows	8 (7)	Senior Fellows	63 (59)
Corresponding Fellows	7 (7)	Family Fellows	32 (27)
Distinguished Fellows	3 (2)	Glasgow Associates	13 (10)
Life Fellows	14 (13)	Junior Associates	8 (4)
Ordinary Fellows	393 (381)		
TOTAL	541 (510)		

Publications

A new title - *A Geological Excursion Guide to the North-west Highlands of Scotland* - edited by Kathryn Goodenough and Maarten Krabbendam, was published jointly with NMS Publishing. This major new publication immediately attracted highly favourable reviews, and over 500 copies were sold within four months. This helped to increase publication sales across the board, and now that the older publications stock is fully depreciated, sales of this stock made a useful contribution to the surplus of the Society.

Work continued on guides to the Stirling area and Mull and a reprint of the Assynt Mecca publication. Two editions of *The Edinburgh Geologist*, the Society's magazine for members, were issued under the editorship of Phil Stone and Bob McIntosh. Three billets were issued, edited by Sarah Bailey.

The *Scottish Journal of Geology* continued to be published by the Geological Society Publishing House, including papers focused on all aspects of the geology and geomorphology of Scotland and adjacent areas. Two full issues were published during the year, comprising Volume 46, Part 2 and Volume 47, Part 1. Electronic publishing in the Lyell Collection has rapidly borne fruit with a high number of downloaded articles in the first year, meaning that articles published in the Journal have enjoyed a much wider readership. Work continued on preparing the Transactions of the Edinburgh and Glasgow Societies for online publication in 2012.

The Clough Medal, the Clough Memorial Award and Research Grants

The Clough Medal for 2010-11 was awarded to Colin Ballantyne in recognition of his long record on work on the dimensions and paleoclimatic implications of glaciations in Scotland and Ireland.

The Clough Memorial Award for 2010-2011 was given to Tom Bradwell in recognition of his ground-breaking research into the last British-Irish ice sheet, using new onshore and offshore datasets to model its timing, maximum extent and break-up.

Fieldwork grants continued to attract strong applications, and three grants totalling £690 were awarded from the Clough and Mykura Funds:

Elizabeth Derbyshire, XRD of Cr-spinel crystals
Rachael Ellen, Fractured basalt fieldwork in Faroes
Gemma Kerr, Mapping of Loch Maree Group.

Brief reports from fieldwork supported by the Society in recent years are posted on the Society's website.

Geoconservation Groups

The Lothian and Borders GeoConservation committee met quarterly and continued its work on the monitoring and designation of Local Geodiversity Sites. The committee brings together a wide range of interested parties, including local government, land owners, SNH and individual earth

scientists. Its work aligns with the local authority areas, and this continues successfully, fostering central reporting but retaining a strong local character in each area. Through this framework the process of designating and monitoring sites continues.

The Volunteer Group is the focus of the most visible geoconservation activities in the Lothian and Borders area. During the winter months the group met monthly to discuss and prepare new leaflets. Two new leaflets were produced, on the Canongate Wall of the Scottish Parliament and the Water of Leith at Stockbridge. This brought the number of leaflets produced and published by the group to 24, with most of these also available online.

The Volunteer Group was involved in several public events including Volcano Fun Day in Holyrood Park, an event to publicise the reopening of Fossil Grove in Victoria Park in Glasgow and an Open Day at Barns Ness. During the summer months members of the group also led a number of evening walks, as part of the Society's Excursions Programme, to Local Geodiversity Sites and routinely attracted 20-30 participants.

Mike Browne, chair of Lothian and Borders GeoConservation was re-elected as chair of the national body, GeoConservation UK. David McAdam stood down as Secretary and he is thanked for his long and diligent service; he is replaced by Alistair McGowan.

Tayside Geodiversity received a generous individual donation to fund publication of a leaflet on Dundee Law; work continues also on a leaflet for Strathardle.

Sponsored Projects

The Society coordinated a project to supply free Rock Boxes to Scottish Schools, to encourage teaching about Scotland's rocks and landscape within the new Curriculum for Excellence. The boxes contain 16 hand specimens of typical Scottish rocks, plus bags of mini-specimens allowing pupils to carry out hands-on experiments in small groups. A total of 75 boxes were distributed, mostly through generous sponsorship by Senergy, an energy services company based in Aberdeenshire. A further donation from a Society member has ensured a supply of boxes for the next year.

Acknowledgements

The affairs of the Society are organised entirely by voluntary effort. Members of Council jointly contribute hundreds of hours of time to the running of the Society, much of this in quiet ways behind the scenes. Council is supported by many other people, including lecturers, excursion leaders and organisers. Bob Gatliff, Head of Station, BGS Edinburgh, is thanked for accommodating the Society at Murchison House for lectures and meetings.

Financial Review

The Society's activities were maintained at a similar level to that of previous years. Pleasingly the surplus on revenue account was £9,079 compared with a deficit of £5,544 in 2009-10 though it should be noted that only £4,388 of the surplus is available for the Society's general use as £4,691 relates to Restricted Funds (mainly sponsored projects). The net assets of the Society rose by £7,742 over the year.

Principal Funding Sources

The Society's principal source of income continues to be membership subscriptions and this is supplemented by tax refunds in respect of members who gift aid their subscriptions. Other important sources are sales of the Society's publications (which were particularly strong this year) and income from the Society's investments. Income from excursions is used to pay for, or at least defray, the costs of the excursions.

The Society has also received sponsorship for a number of special projects and more than half these monies have yet to be disbursed.

Expenditure

Expenditure continued at a similar level to last year. Depreciation of stocks of older publications was completed last year and this has led to a marked reduction in the total cost of sales.

Investment Policy

The Society employs Brewin Dolphin Securities Ltd as its investment managers and they have discretion to manage the portfolio on a day-to-day basis without reference to the Society. Their remit is to provide growth with a medium risk profile, while maintaining investment income at about current levels. At present approximately half of the Society's funds are invested in equities, mainly through composite vehicles, with the remainder being in fixed interest securities, mainly corporate bonds.

Reserves Policy

The Society has accumulated reserves of £88,824. 30% of these are Restricted Funds and are set aside for the purposes of those funds. The Society aims to break even on Revenue Account over the long term and as net income / expenditure is small in relation to activities undertaken the remaining reserves provide a most useful buffer against unexpected contingencies, together with valuable investment income.

Plans for Future Periods

The Society plans to continue its core programmes of lectures, excursions and publications. Costs and revenue are always under pressure and require continual care from the Society's Council and Officers. Costs generally continue to rise and the Society seeks to offset this by attracting new members, encouraging the use of Gift Aid and the use of budgetary

measures. Production of excursion guides continues and is being paced and costed carefully.

Responsibilities of Council

Council accepts its responsibility for the preparation of financial statements for each financial year which give a true and fair view of the affairs of the Society and of the surplus or deficit for the period. In preparing those financial statements, Council is required to:

- select suitable accounting policies and apply them consistently;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable accounting statements or statements of recommended practice have been followed, subject to any departures disclosed or explained by the financial statements and
- prepare the financial statements on the going - concern basis unless it is inappropriate to assume that the Society will continue in existence.

Council also accepts its responsibility for keeping proper accounting records which disclose with reasonable accuracy at any time the financial position of the Society and enable it to ensure that the financial statements comply with the Charities and Trustees Investment (Scotland) Act 2005 and the Charities Accounts (Scotland) Regulations 2006.

Council is also responsible for safeguarding the assets of the Society and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Independent Examiner

Mr L H Stewart of Dalgliesh and Tullo continued as Independent Examiner during the year and has expressed his willingness to continue in that capacity.

**Approved by the Council of the Edinburgh Geological Society and signed
on its behalf by**

Angus Macpherson, President
14 December 2011

Independent Examiner's report to the Trustees of the Edinburgh Geological Society

I report on the financial statements of the charity for the year ended 30th September 2011, which are set out on pages 14 to 20.

Respective responsibilities of Trustees and Examiner

The charity's trustees are responsible for the preparation of the accounts in accordance with the terms of the Charities and Trustee Investment (Scotland) Act 2005 ("the 2005 Act") and the Charities Accounts (Scotland) Regulations 2006 (as amended) ("the 2006 Regulations"). The charity's trustees consider that the audit requirement of Regulation 10(1)(d) of the 2006 Regulations does not apply. It is my responsibility to examine the accounts as required under section (44)(1)(c) of the 2005 Act and to state whether particular matters have come to my attention.

Basis of Independent Examiner's Statement

My examination is carried out in accordance with Regulation 11 of the 2006 Regulations. An examination includes a review of the accounting records kept by the charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts and seeks explanations from the trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit and, consequently, I do not express an audit opinion on the view given by the accounts.

Independent Examiner's Statement

In connection with my examination, no matter has come to my attention:-

1 which gives me reasonable cause to believe that, in any material respect, the requirements:-

- to keep accounting records in accordance with section 44(1)(a) of the 2005 Act and Regulation 4 of the 2006 Regulations, and
- to prepare accounts which accord with the accounting records and comply with Regulation 9 of the 2006 Regulations have not been met, or

2 to which, in my opinion, attention should be drawn in order to enable a proper understanding of the accounts to be reached.

L H Stewart CA
23 Rutland Square EDINBURGH EH1 2BP
14 December 2011

Statement of Financial Activities including Income and Expenditure Account for the year ended 30th September 2011

<u>Incoming Resources</u>	Note	Unrestricted Funds - £	Restricted Funds - £	2011 total - £	2010 total - £
Voluntary income					
Members' Subscriptions		9,213		9,213	8,752
Gift Aid tax refund		1,106	500	1,606	939
Donations		200		200	-
Investment income		2,013	802	2,815	2,853
Income from Charitable activities					
Excursions	3	15,107		15,107	10,828
Grants to Groups		311		311	5,105
Sponsored projects	8		8,655	8,655	-
Fundraising trading:					
Sales of Publications	4	<u>7,197</u>		<u>7,197</u>	<u>2,581</u>
Total Incoming Resources		<u>£35,147</u>	<u>£9,957</u>	<u>£45,104</u>	<u>£31,058</u>
Resources Expended					
Fund management charges		<u>475</u>		<u>475</u>	<u>465</u>
Fundraising trading:					
Total Cost of Sales	4	<u>4,037</u>		<u>4,037</u>	<u>7,691</u>
Charitable activities:					
Lectures		2,668		2,668	2,638
Special public lecture		1,034		1,034	
Billet		2,141		2,141	2,024
Edinburgh Geologist		2,283		2,283	3,233
Excursions	3	15,504		15,504	11,862
Geoconservation group leaflets		-		-	5,381
Grants and Awards		300	798	1,098	1,458
Administration		1,240		1,240	982
Sponsored projects	8		4,468	4,468	-
Total cost of Charitable activities		<u>25,170</u>	<u>5,266</u>	<u>30,436</u>	<u>27,578</u>
Governance costs		<u>1,077</u>		<u>1,077</u>	<u>868</u>
Total Resources Expended		<u>£30,759</u>	<u>£5,266</u>	<u>£36,025</u>	<u>£36,602</u>
Net Incoming (Outgoing)					
Resources before other recognised gains/losses		£4,388	£4,691	£9,079	(5,544)

**Statement of Financial Activities including Income and
Expenditure Account for the year ended 30th September 2011 -
continued**

Net Incoming (Outgoing)	Note	Unrestricted Funds - £	Restricted Funds - £	2011 total - £	2010 total - £
Resources before					
other recognised gains/losses		£4,388	£4,691	£9,079	(5,544)
Net loss (2010 gain) on investments	5	-956	-381	-1,337	3,190
<u>Net Movement in Funds</u>		3,432	4,310	7,742	(2,354)
Reconciliation of funds					
Total funds brought forward		£57,973	£23,109	£81,082	83,436
<u>Total funds carried forward</u>		<u>£61,405</u>	<u>£27,419</u>	<u>£88,824</u>	<u>£81,082</u>

The statement of financial activities includes all gains and losses in the year. All incoming resources and resources expended derive from continuing activities.



Excursions Secretary Richard Smith shows members of the Society Old Red Sandstone conglomerate near Ayr. © Beverly Bergman.

Balance Sheet as at 30th September 2011

	Notes	2011		2010	
		£	£	£	£
Investments	5		<u>66,512</u>		<u>68,520</u>
Current Assets					
Stock of Publications	4	3,759		3,432	
Other Stocks		429		537	
Debtors and prepayments		1,693		1,841	
Bank		<u>21,643</u>		<u>14,059</u>	
			<u>27,524</u>		<u>19,869</u>
Creditors					
Creditors and provisions - amounts falling due within one year	6		<u>5,212</u>	<u>7,307</u>	
Net Current Assets			<u>22,312</u>		<u>12,562</u>
Net Assets			<u>£88,824</u>		<u>£81,082</u>
Representing:					
Unrestricted funds					
General Fund	8		61,405		57,973
Restricted funds					
Permanent endowment funds	8		22,732		23,109
Sponsored projects	8		<u>4,687</u>		<u>-</u>
Total funds			<u>£88,824</u>		<u>£81,082</u>

The notes on pages 17-20 form part of these accounts.

Approved by Council and signed on its behalf by

R Morley, Treasurer
14 December 2011

Notes forming part of the Financial Statements

1 Accounting Policies

The principal accounting policies are summarised below. The accounting policies have been carried through consistently throughout the year and in the preceding year.

(a) Basis of Accounting

The accounts have been prepared under the historical cost convention, as modified by the inclusion of investments at market value, and in accordance with the Charities and Trustees Investment (Scotland) Act 2005, the Charities Accounts (Scotland) Regulations (2006) and Statement of Recommended Practice: Accounting and Reporting by Charities (2005).

(b) Fund Accounting

- Unrestricted funds are available for use at the discretion of the trustees in furtherance of the general objectives of the charity.
- Restricted funds are subjected to restrictions on their expenditure imposed by the instructions or will of the donor.

(c) Incoming resources

- Subscriptions are credited in the period to which they relate. No provision is made for arrears.
- Sales of publications are credited in the period to which they relate.
- All other income is credited when received.
- The gross income from investments and bank interest received during the year has been apportioned to the various funds in the ratio of their opening balances, together with net gains (losses) on investments.

(d) Resources expended

Expenditure is recognised on an accrual basis as liability is incurred and includes VAT.

- Charitable expenditure comprises those costs incurred by the charity in the delivery of its activities to its beneficiaries.
- Governance costs comprise those costs associated with meeting the constitutional and statutory requirements of the charity and include the independent examiner's fee (£536) and costs linked to the strategic management of the charity.
- All costs are allocated between the expenditure categories of the Statement of Financial Activities on a basis designed to reflect the use of the resource.

2. GeoConservation Groups

The Lothian and Borders GeoConservation, Stirling and Clackmannan RIGS and Tayside GeoConservation Groups are constituted as committees of the Society, but have their own office-bearers and bank accounts. Their financial results are included in these accounts.

3. Excursions

Particulars of the Society's excursions etc are as follows:-

	2010 /11		2009 /10	
	Cost	Contributions	Cost	Contributions
	£	£	£	£
Day Excursions	1,604	893	1,272	622
Weekend Exc	265	210	178	62
Long Excursion	13,537	13,906	10,229	9,935
Fellows' night	<u>98</u>	<u>98</u>	<u>183</u>	<u>209</u>
Total	<u>£15,504</u>	<u>£15,107</u>	<u>£11,862</u>	<u>£10,828</u>

4. Publications

Sales and the cost of sales comprise:

	2010/11	2009 /10
	£	£
Sales	<u>£7,197</u>	<u>£2,581</u>
Cost of Sales	4,037	1,628
Depreciation	<u>-</u>	<u>6,063</u>
Total cost of Sales	<u>£4,037</u>	<u>£7,691</u>

Stocks of publications have been valued at the lower of cost and net realisable value after making due allowance for obsolete and slow-moving items. Older stocks have now been fully depreciated and the more recent Rum, Moine and NWH Guides are being written off at the greater of 20% pa or pro rata to Sales.

5. Investments

Analysis of Movements of Investments

	£
Carrying value (market value) at beginning of year	68,520
Add: Additions to Investments at cost	9,648
Less: Disposals at carrying value	-9,964
Less: Net loss on revaluation	-1,692
Carrying value (market value) at end of year	<u>£66,512</u>
Note - Net gains realised during the year	355
Loss on revaluation	-1,692
Net loss on Investments	<u>£1,337</u>

6. Creditors and Provisions

	2011	2010
	£	£
Provision for production of RIGS leaflets	285	3,000
Loan by Chairman of S&C RIGS Group	2,180	2,180
Miscellaneous	<u>2,747</u>	<u>2,127</u>
Total	<u>£5,212</u>	<u>£7,307</u>

7. Trustee Remuneration and Related Party Transactions

No members of Council received any remuneration during the year. Costs incurred in entertaining lecturers after the public lectures (£519) were refunded to 3 members of Council, and other costs totalling £2,940 incurred on behalf of the Society were refunded to 8 members of Council.

No trustee or other person related to the charity had any personal interest in any contract or transaction entered into by the charity during the year (2009/10 - £500).

8. Restricted Funds

Endowment Funds

The purpose of the Clough Memorial Fund is to provide a medal annually to a geologist whose original work has materially increased the knowledge of the geology of Scotland and the North of England, and to award grants for fieldwork. Three grants were made from the Clough Fund during the year.

The Mykura Fund is to support field work in Scotland. One grant was made during the year.

Sponsored Projects

The Society sponsors a number of special projects and invites donations specifically to fund them. Current projects are the provision of kits of geological specimen rocks and geological maps for use as teaching aids in

schools, and the production and publication of a leaflet describing the geology of Dundee Law.

Accounting

The gross income from investments and bank interest received during the year, together with net gains (losses) on disposal or revaluation of investments, has been apportioned to the various Endowment funds in the ratio of their opening balances.

The assets of the Society have been apportioned to the various Endowment funds in the ratio of their closing balances. The Sponsored Projects funds carried forward are held in cash.

	Unrestricted Funds	Endowment Funds		Sponsored Projects	Total
		Clough	Mykura		
	£	£	£	£	£
Investment income	2,013	612	190		2,815
Gift Aid	1,106			500	1,606
Sponsored Projects				8,655	8,655
Other incoming resources	32,028				32,028
Total incoming resources	<u>£35,147</u>	<u>£612</u>	<u>£190</u>	<u>£9,155</u>	<u>£45,104</u>
Grants and Awards	300	618	180		1,098
Sponsored Projects				4,468	4,468
Other outgoing resources	30,459				30,459
Total outgoing resources	<u>£30,759</u>	<u>618</u>	<u>180</u>	<u>4,468</u>	<u>£36,025</u>
Loss on investments	-956	-291	-90		-1,337
Net movement in Funds	<u>£3,432</u>	<u>-£297</u>	<u>-£80</u>	<u>£4,687</u>	<u>£7,742</u>
Funds brought forward	57,973	17,625	5,484		81,082
Funds carried forward	<u>£61,405</u>	<u>£17,328</u>	<u>£5,404</u>	<u>£4,687</u>	<u>£88,824</u>

represented by:

Investments	48,543	13,698	4,271		66,512
Current assets	18,074	3,630	1,133	4,687	27,524
less - Current liabilities	-5,212				-5,212
Net assets	<u>£61,405</u>	<u>£17,328</u>	<u>£5,404</u>	<u>£4,687</u>	<u>£88,824</u>

Obituaries

It is with the greatest regret that we record the deaths of Distinguished Fellow, David Land, and of Ordinary Fellows, Dr Matthew Armstrong, Robert Cochrane and Kevin Harvey. These obituaries were compiled by Ian Jackson.

Born in 1930, **Matthew Armstrong** joined the North Lowlands District (later Field Unit) of the then Geological Survey of Great Britain in 1958, and until 1961 was engaged in mapping the Lower Old Red Sandstone country of the old Stirling (39) Sheet, building on expertise gained in his ORS thesis area between Alness and Tain in Easter Ross; he was awarded his PhD from the University of Newcastle-upon-Tyne in 1964. From 1962 until 1974, this ORS understanding was augmented while mapping successively on the Arbroath, Cupar and Perth sheets, and led in 1970, with Ian Paterson as co-author, to their seminal report establishing a hierarchical lithostratigraphy for the Lower Old Red Sandstone of the northern half of the Midland Valley.

Matt's detailed knowledge of Old Red Sandstone stratigraphy was further harnessed in offshore investigations of the Inchcape Rock, and in reconnaissance surveying of Bute and the shores of Cromarty Firth for provisional editions of the former Rothesay and Cromarty sheets respectively. This diet of "Old Red" was leavened by logging sections and boreholes at the Westfield opencast site in Fife, examination of trench sections in the trans-Scotland Frigg pipeline, and co-authoring papers on the Quaternary geology of the Firth of Tay area. Matt was the senior author of the Perth and Dundee memoir published in 1985, and in later years editing scripts became a forte; office tedium was relieved by short mapping spells on commissioned DoE contracts on the Hamilton, Irvine, Greenock and Maryport sheets. His editorial skills were profitably utilised in his final work for the Survey from 1991 to 1993, on secondment to the Zimbabwe Geological Survey as an editorial geologist to clear a large publications backlog, and to introduce an in-house desk-top publishing system. He retired from the Survey in 1993.

Matt was a long-standing member of the Society, joining initially in the 1958-59 session, and after a short lapse in membership in the late 1980s and early 90s, re-joined in 1994. He served as an Ordinary Member of Council from 1994 to 1997, and between 1965 and 1987 led eight wide-ranging Saturday and weekend excursions (mostly over his stamping ground between Stirling and Montrose, but also to Bute and the Westfield opencast). His last Society excursion, as co-leader with Brian Jackson, was to the Ochils in 1995. He died in Edinburgh on 30th April 2011.

Robert Osborne Cochrane died on 28th February, 2010. He was born in Dumfriesshire, but in 1958, aged 10, emigrated with his parents from Scotland to Canada. After graduating from Queen's University, Kingston

Ontario, he joined Imperial Oil as a petroleum geologist and engineer working initially in the Canadian Arctic. Later in London (Ontario), he founded Devran Petroleum, which was a pioneer in the drilling of horizontal oil wells in Canada, and then subsequently established his own geological consultancy, Cairnlines Resources Ltd, with his wife Claudia. Robert co-authored the definitive tours of Ontario's Oil Heritage District which, vying with the better-known Titusville discovery in Pennsylvania, has a valid claim to be the site of the world's first commercially drilled oil discovery. He was a founder member, and later Chairman for many years, of the unique Petrolia Discovery park and oil museum, located above a small oilfield in southernmost Ontario and which still produces oil by the traditional pumping methods used in the 1860s. Robert and Claudia joined the Society as a Family Fellowship in 1997, and although resident at Komoka, Ontario, have maintained a base in Dumfriesshire, initially in Lockerbie and latterly at Lochmaben.

Although **Kevin John Vickers Harvey** had only recently joined the Society in 2009, he had already made a notable contribution by redesigning not only the membership leaflet but also our stationery letterhead and publicity banner. He was a graphics designer and illustrator, specialising in technical illustrations and together with his wife Rhonda, ran his own company, Harvey Design Services in Silverknowes Edinburgh, founded in 1992. Kevin was a keen cyclist, involved organizationally with the Anniesland to Ratho charity bike ride, but tragically he died suddenly aged 51, on a cycling holiday in France on 7th September 2011.

David Halcyon Land, former President and Distinguished Fellow of the Society, died in Durham on November 3rd 2010. David played a lengthy and influential rôle in Society affairs throughout the late 1980s and 1990s. He joined the Society in the 1980-81 session and served as an Ordinary Member of Council in 1985-86, rapidly stepping up to become Secretary from 1986 to 1991, then Vice-President 1991-3, and finally President during 1995 to 1997. After relinquishing high office he then doubled up as both Publication Sales Officer (1997-2001) and Proceedings Editor (1996-2001). He was the senior author of both editions of the Society's most popular publication - *Discovering Edinburgh's Volcano* - and sole author of a companion leaflet on the Braid and Blackford Hills. In addition, between 1990 and 2002 including his busy Presidential years, David led 12 excursions, many on a Wednesday evening to Holyrood Park but also further afield to the Pentland and Moorfoot hills. In honour of this whole-hearted commitment to the Society, he was elected the first-ever (jointly with David McAdam) Distinguished Fellow in 2002.

David Land enjoyed a long, productive and hugely varied career as a field geologist with the British Geological Survey. He was born in 1927 and was appointed to the Manchester Office in 1948, mapping the Carboniferous

rocks of the Clitheroe Sheet before being transferred “temporarily (!)” to the Water Department in London in 1951, where he investigated the groundwater potential of the Chalk of NE Lincolnshire, and the water resources of the Bunter Sandstone (now Sherwood Sandstone Group) of Nottinghamshire. In 1954 he was transferred to the Newcastle Office, spending several field seasons tracing the Carboniferous Border Group successions across the remote moorlands of the Bewcastle Sheet; following the office closure in 1959, he moved to the Leeds Office. There, his principal initial task was the revision of the Tynemouth Sheet for which he achieved the rare distinction in the Survey of being the sole surveyor of a coalfield 1:50k sheet and sole author of the accompanying memoir. As reward, he was again “loaned” to the Water Department in London, and from 1963 to 1965, extended the Triassic hydrogeology study to cover the Kidderminster-Birmingham-Lichfield area. Returning to Leeds, he was assigned to the Stockton Sheet until 1973 to map the complex Quaternary geology and largely concealed Permian deposits of the lower Tees valley.

While at Leeds, during which time he acted as Treasurer (1970-76) for the Yorkshire Geological Society, David was heavily involved with enquiries and advisory work, especially in the Northumberland-Durham coalfield; he also supervised the DTI Mineral Reconnaissance fiscal incentives scheme for barytes and fluorspar exploration in the Pennines. Following a reorganization of field unit boundaries in 1976, he completed short mapping stints on the Sunderland, Harrogate, Horncastle and Boston sheets, and then in 1977 he was appointed District Geologist of the revamped NE England and Cumbria unit based in Leeds. Shortly afterwards he was posted overseas from 1978 to 1981, as head of a successful joint UK-Indonesia mapping and drilling project to assess the Miocene coal reserves of East Kalimantan. On his return to the UK, David reoccupied his former post, now relocated to Edinburgh, and began his fruitful association with the Society; until his retirement from the Survey in 1987, he supervised a programme to resurvey the Upper Palaeozoic rocks of West Cumbria and SE Northumberland.

Bob Cheeney worked closely with David Land on Council matters in the early 1990s, and recalls David’s influential contributions to the Society, for example, in securing the financial stability of the *Scottish Journal of Geology* with the Geological Society Publishing House in 1992 after the Scottish Academic Press ceased trading; in establishing agreements with geological agencies worldwide for exchange of journals and maps thereby enhancing the library of the Grant Institute; also David’s calm demeanour during the first Edinburgh Science Festival when an unguarded invitation in *The Scotsman* attracted over 200 people, many with dogs, to a guided geology tour of Holyrood Park, much to the consternation of the Royal Park constabulary faced with an overflowing palace car park.