



EDINBURGH GEOLOGICAL SOCIETY

Promoting public interest in geology and the
advancement of geological knowledge

Annual Report and Proceedings 2016–17 183rd Session



www.edinburghgeolsoc.org

Charity registered in Scotland SC008011

Edinburgh Geological Society

Report of Council for the Year Ended 30th September 2017

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Cover picture: Graham Leslie describing aspects of the geology of the Spireslack opencast surface mine in Ayrshire during the EGS Spireslack excursion, Saturday 1st July (photograph courtesy of Gordon Lang)

Welcome

The Council of the Edinburgh Geological Society takes great pleasure in presenting the Annual Report and Accounts for the year ending 30th September 2017.

Stuart Monro, President

Council 2017 (Elected 25th January 2017)

President: Stuart Monro

Vice-Presidents: Robert Gatliff, Emrys Phillips

Immediate Past President: Christine Thompson

Acting Honorary Secretary (to 31 August 2017): Andrew Rushworth

Acting Assistant Secretary (to 31 August 2017): Barbara Clarke

Honorary Secretary (from 1 September 2017): Neil Mackenzie

Assistant Secretary (Minutes): Richard Buxton

Treasurer: Christian Ranken

Membership Secretary: Barbara Clarke

Lectures Secretary: Graham Leslie

Excursions Secretary: Vacant

Assistant Secretary (Planning & Finance): Andrew Rushworth

Assistant Secretary (Excursion Bookings): Alison Tymon

Assistant Secretary (Clough/Awards): Graham Leslie

Assistant Secretary (Publications): David Stephenson

Assistant Secretary (Geoconservation): Mike Browne

Publication Sales Officer: Don Cameron

Librarian & Archivist: Vacant

Scientific Editors: Maarten Krabbendam, Tom Challands

Ordinary Members: Richard Smith, Con Gillen, Chris Lofthouse, Anastasia Polymeni

Charity Name: Edinburgh Geological Society

Scottish Charity Number: SC008011

Official Contact Address: c/o Ms C Ranken, 4 Newbyth Steading, East Linton
EH40 3DU

Website Address: www.edinburghgeolsoc.org/

Introduction

The Edinburgh Geological Society was founded in 1834 and its objectives are the stimulation and encouragement of public interest in geology and the advancement of geological knowledge. Its governing document is The Laws of the Society which serve as its constitution. The Society is an unincorporated association with charitable status. Its membership elect the members of its Council as the Charity Trustees at the Annual General Meeting of the Society.

The Council is the management body for the Society and there are a number of Committees which manage particular aspects of the Society's work and report to the Council. These include the Finance and Planning, Clough, Excursions, and Publications Committees and also the Lothian and Borders Geoconservation Group, Tayside Geodiversity Group, and Stirling and Clackmannan RIGS Group. The *Scottish Journal of Geology* is owned jointly by the Society and the Geological Society of Glasgow. The Society is affiliated to the Geologists' Association.

Report on Activities

Overview

The Society continued to pursue 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. The Society has continued to support the Scottish Geodiversity Forum and a variety of outreach events. A particular highlight was the output of the Promotion Secretary which resulted in a significant raising of the Society's profile. Our affiliated local geoconservation groups continued to be active, with Lothian and Borders GeoConservation publishing two new leaflets (St Abbs and Blackford Hill), while others are in preparation.

Council

The Council met four times during the year, and maintained an overview of the full range of activities of the Society. Council members continued to work hard at controlling expenditure, and were able to use surplus funds to support a number of initiatives (see page 10). Angus Miller continued for a second year as Promotion Secretary, a paid appointment which aims to raise the profile of the Society and boost membership. The Planning and Finance Committee continued to take forward the implementation of the EGS Strategy, and advised on bids for grants in support of the Society's objectives.

Membership

Total membership rose from 522 to 547. There were 62 new Fellows elected, 7 died, 1 resigned and 29 had their membership suspended due to non-payment of 2016-17 subscriptions. 33 joined as Ordinary Fellows, 23 joined the Society as Senior Fellows and 6 Ordinary Fellows transferred to Senior Fellow status. The encouraging increase in new members can be attributed to our improved promotion of the Society together with a streamlined online application procedure. The number of Fellows by membership category as at 30 September 2017 was:

Honorary Fellows	5	Distinguished Fellows	7
Corresponding Fellows	6	Life Fellows	10
Ordinary Fellows	376	Senior Fellows	92
Family Fellows	27	Junior Associates	7
Glasgow Associates	17		
TOTAL		547	

Clough Medal and Research Grants

The Clough Medal was awarded this year to Dr Phil Stone (ex-BGS). His award is in recognition of his exceptional contribution to the understanding of the geology of the Lower Palaeozoic Southern Uplands Terrane and the Ballantrae Ophiolite Complex, and for his many other achievements. This session's Clough Memorial Award was presented to Dr Hannah Watkins (University of Aberdeen) for her work on the Moine Thrust Zone.

The trustees of the Mykura Fund greatly appreciate a generous donation of £10,000 from the estate of the late Mrs Alison Mykura. The Clough committee approved two applications for fieldwork grants this session. From the Clough Fund, £500 was awarded to Bob Gooday (Cardiff University) to assist in enabling his attendance at an International Volcanology Field School, held at Katmai in Alaska. From the Mykura Fund, £250 was awarded to Nicoli Gautier (University of Cambridge) to augment a NERC post-doctoral grant for fieldwork to study micro-structural indicators of convection in the Little Minch Sill Complex on Skye.

Lectures Programme 2016-2017

The programme, organised by Lectures Secretary Graham Leslie, consisted of 10 meetings, and again they were enthusiastically received, with good attendances. Fellows' Night and the social evening took place on 7 December 2016 at BGS Lyell Centre on the Heriot-Watt campus, with catering organised by Beverly Bergman. Lectures held during the session were:

- 2016** **Prof. Patrick Corbett** (Heriot Watt University): Fluvial Channel Reservoirs - 20 years diagnosing their reservoir engineering attributes
 12 Oct
 26 Oct **Dr Tim Kearsey** (BGS): Palaeosols and Climate Change
 9 Nov **Dr Charlotte Vye-Brown** (BGS): Volcanic hazards
 23 Nov **Prof. Brian Upton** (Edinburgh University): Volcanoes and the Making of Scotland
 7 Dec **Fellows Night**
2017 Dr Phil Richards (ex-BGS): Is there a future for the UK oil and gas industry?
 11 Jan
 25 Jan **Prof. Stuart Monro** (EGS President): Hutton and beyond... Scotland's Time Lords and the evolution of geological ideas
 8 Feb **Dr Martin Smith** (BGS): Forensic geology
 22 Feb **Mike Robinson** (Royal Scottish Geog. Soc.): James Croll: Joiner, Janitor, Genius
 8 Mar **Paul Everett** (BGS): Building stone in Scotland: Glorious past ... uncertain future
 22 Mar **Dr Phil Stone** (ex-BGS): Clough Medal lecture - Scottish perspectives (old and new) on greywacke, graptolites and Gondwana

Promotion of the Society

Promotion of EGS, particularly in its public-interest objective, has made great strides through the efforts of Angus Miller, our Promotion Secretary, under the guidance of the Council's Promotion Steering Group. Notable achievements include the production of a new membership leaflet, the introduction of a new online membership-application process, and a complete revitalisation of the website. The latter benefitted hugely from the freely given professional input of EGS member, Gordon Lang. As a result of these initiatives we have already seen a reversal of the slow decline in membership numbers.

Events for the public have been arranged, such as three guided coach trips to Siccar Point during the Edinburgh International Science Festival 2017, and two local geology walks for the Wild Reekie Meet-Up Group. In addition the Promotion Secretary and EGS members have run stalls at a wide variety of events, such as the StAnza 2017 Poetry Festival (which had a geological element this year), the Geoconservation Annual Gathering and the Open University Geological Society Symposium, and they have participated in the

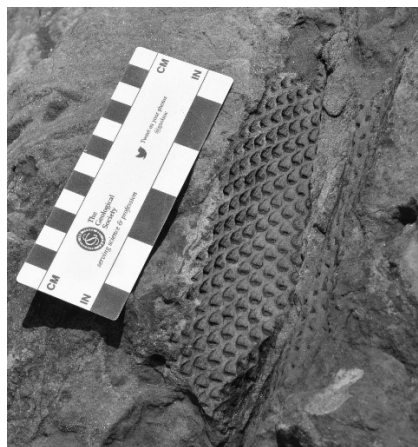
St Abbs Science Day, with very positive feedback. Other initiatives are mentioned elsewhere in this Report.

Excursions Programme 2017

This year's ambitious programme was organised by Angus Miller. It included 5 Saturday and 5 Wednesday evening excursions, with bookings for all excursions being taken by Alison Tymon. Richard Smith attended many of the excursions and assisted with arrangements. The excursions were very well attended, with most full to capacity, and all were greatly enjoyed by the participants. The Society does not pay a fee to leaders and is very appreciative of the time and expertise that they give so willingly. The excursions were:

- | | |
|------------|--|
| Wed 19 Apr | Dalmeny railway cutting: Leaders Richard Smith and Beverly Bergman |
| Wed 3 May | Crichton Kirk, Castle and quarries: Leaders Angus Miller and Howard Turner |
| Wed 17 May | Edinburgh city centre - Lothian Road, Castle Rock and the Lawnmarket: Leader Andrew McMillan |
| Sat 3 Jun | Fintry Hills: Leader Con Gillen |
| Wed 14 Jun | National Mining Museum |
| Sat 17 Jun | St Baldred's Cradle (East Lothian): Leader Fiona McGibbon |
| Wed 28 Jun | Leadburn and Noble House: Leader Brian Upton |
| Sat 1 Jul | Spieslack opencast coal site, Ayrshire: Leaders Graham Leslie and Mike Browne |
| Sat 29 Jul | Berwick-upon-Tweed: Leader Alison Tymon |
| Sat 2 Sep | North Esk Inlier, Pentland Hills: Leader Ken Shaw |
- Involvement by the Society in other organised events included:
- | | |
|-------------|--|
| Sun 19 Mar | Discover Edinburgh's geology meet-up: Organisers Wild Reekie and EGS |
| 9,12,15 Apr | Edinburgh Science Festival - visit to Siccar Point |
| Tue 2 May | Visit to the National Museums Collection Centre at Granton and afternoon excursion to Wardie shore |
| Sat 26 Aug | St Abbs Science Day |
| Sun 24 Sep | Discover Edinburgh's geology meet-up: Organisers Wild Reekie and EGS |

The **Long Excursion 2017** to the islands of Skye and Raasay took place from 20-27 May, and was led by Brian Bell (University of Glasgow). On Raasay the group of 25 participants visited a variety of Lewisian, Torridonian, Triassic, Jurassic and Paleogene sites. On Skye the group investigated many features of its lava and sill complexes. Appreciation later of the geology at the famous site of Marsco in the Red Hills competed with heavy rain, which remained unrelenting on a boat trip to Loch Coruisk. Sunshine returned for the Jurassic exposures at Elgol and coastal fossil sites in the north of Skye, with a highlight here being the discovery by participants of vertebrate footprints and fossils. Thanks are due to Brian Bell for his leadership and, as ever, to Anne Burgess for expertly organising the excursion.



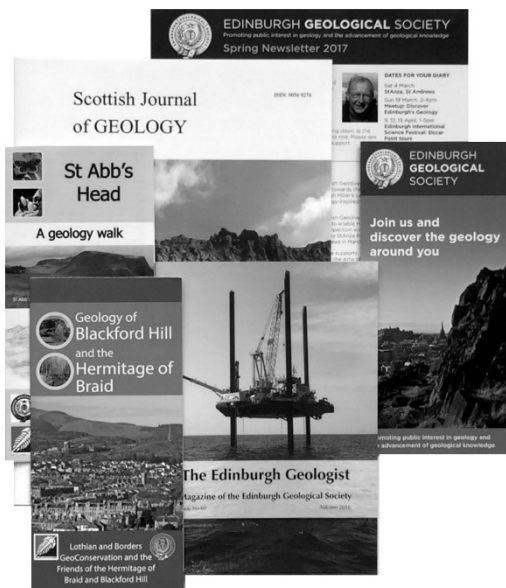
Fragment of fossil *Lepidodendron* tree in Lower Carboniferous sandstone bed at Spittal, Berwick-on-Tweed excursion, Saturday 29th July (photograph courtesy of Beverly Bergman)

The **Long Weekend 2017** excursion to the Rhinns of Galloway took place from 15-18 September, led by Emrys Phillips and organised by Con Gillen. Emrys encouraged a hands-on approach to exploring the near-vertical slices of Southern Uplands Ordovician and Silurian sequences of conglomerate (at Corsewall Point), turbidite sandstones and interbedded siltstones and mudstones. The observed sedimentary and tectonic structures were used to deduce possible contemporary plate tectonics, with helpful nudging by Emrys. The nine participants also enjoyed the spectacular Rhinns cliff scenery in sunny weather and the availability of ice creams along the way.

Publications

Revenue obtained from book sales through the EGS website increased by 183% this year to £4,454. Conversely, the EGS share of revenue for the 4 books published jointly with the National Museums of Scotland (NMS) and the Glasgow Geological Society (for the Moine excursion guide only) declined by 49% to £623. Another 200-copy reprint of *Assynt Mecca* in January has been warranted by subsequent sales - these have already recouped 60% of outlay.

Stocks of 3 book titles are now fully depleted. *Paraffin Young* may still be obtained by order directly from its author, EGS member Mary Leitch. Plans for replacement of Roy McGregor's *Fife and Angus* excursion guide by a new *Fife* guide are under discussion. Historical sales of the *Moine* excursion guide were thought to be insufficient to warrant a full reprint, but costs for an alternative print-on-demand solution seem prohibitive. A decision as to whether to order a limited reprint of *Moine* and/or to make it available as an e-publication will be taken early in the 2017-18 session.



A selection of the Society's publications during 2016-2017.

Two editions of *The Edinburgh Geologist* were published, under the editorship of Phil Stone and Bob McIntosh. Two full-colour editions of the EGS *Newsletter* were produced by our Promotion Secretary Angus Miller. These were distributed to members as hard copy, but are also available online, via the Society's web site. In addition to keeping members informed about the Society's activities, the *Newsletter* is proving useful in promoting the Society to a wider readership of non-members. The GeoConservation Groups continued to produce leaflets, as described on Page 11; a full list can be found on our website:

<http://www.edinburghgeolsoc.org/publications/geoconservation-leaflets/>

The entire stock of EGS excursion guides and geoconservation leaflets remains housed in secure rental storage in Leith. Storage is currently costing the Society approximately £1,200 per year and the search continues for an alternative.

The Scottish Journal of Geology continues to publish high-quality papers, which are well received by the wider geological community, as evidenced by impressive download statistics of several recent papers. However, members

of the Society should be aware that the journal is experiencing difficult times and the two parts published this year (52-2 and 53-1) have each included only four papers. A low rate of submissions and other problems are not unique to SJG but form the common environment that all journals must face, as was reported and explained in the 2015-16 Annual Report. The Editorial Board will continue to work with the Geological Society Publishing House to address the problems and to develop other plans to strengthen the journal.

Grants

The EGS Grant Scheme supports projects which further the aims of the Society, namely to encourage public interest in geology and to advance geological knowledge. Council received a number of applications during the year and the following were approved, to a total of £3,939.

Geoheritage Fife	£349	Leaflet on Aberdour Geological Trail
West Lothian Council	£423	Series of 5 Geodiversity leaflets for sites in West Lothian
Friends of Hugh Miller	£500	Conference on “Updating Hugh Miller’s Geological Legacy”
Scottish Geodiversity Forum and Friends of Hugh Miller	£200	Participation of winners of Hugh Miller Writing Competition in St Andrews StAnza Poetry Festival
Lothian and Borders Geoconservation Group	£460	Leaflet on St Abbs Geology Trail
Scottish Geodiversity Forum	£500	Re-launch of Scottish Geodiversity Charter
St Andrews University Geobus	£507	Geology Field Camp for 30 school pupils
Lothian and Borders Geoconservation Group	£1,000	Geological Leaflets on Blackford Hill and Hopetoun Shore

Geoconservation Groups (report by Mike Browne, chair)

The Lothian and Borders GeoConservation (Business) Committee met twice during the year and continued its work on the monitoring and designation of Local Geodiversity Sites. This year saw the 30 local geodiversity sites in Edinburgh formally recognised as Local Nature Conservation Sites by the City of Edinburgh Council and included in its City Local Development Plan. The Volunteer Group met monthly during the winter. The leaflets on St Abbs, Blackford Hill and Hermitage of Braid were completed and published with funding from EGS, with the latter also partly funded by The Friends of the Hermitage. The Group completed work on two geological walks in and around Vogrie Country Park, and these were published as pdf documents on the Edinburgh Geological Society website.

Key work this year was undertaken in support of the University Of Edinburgh School Of Geosciences' Final Year Outreach Module. The Society's website now includes the excellent brief local geodiversity site descriptions for City of Edinburgh, with stunning images by Ollie Buchanan. This work also featured in the latest edition of Earth Heritage magazine. Another student set up three geocaches for the City. In West Lothian a third student drafted a trail leaflet for Hopetoun Society shore. The Council also designed our new leaflet for Auchinoon Brae/ Harperrig Reservoir, and our revised leaflets for Petershill Reservoir, East Kirkton, and Binny Craig. They also re-printed Witch Craig Wall. In both East and West Lothian the councils are now in the process of advertising and securing their LGS within their development plans. As usual, members of the group led a number of evening walks as part of the Society's Excursions Programme.

Currently our other two local groups in Tayside and Stirling are in suspended states of existence. Stirling ceased to operate with the death of Tom Kerr, the chair, and we extend our best wishes with thanks to Alison his wife who is, like Tom was, a longtime member of EGS and the local group. A meeting in January is being planned to re-energize the Tayside Group.

The Volunteer Group was involved in fewer public events than last year. Volcano Fun Day in Holyrood Park has outgrown our kind of contribution and the Dunbar Science Festival was cancelled, but we did attend the BGS Doors Open Day event at the Lyell Centre, Heriot Watt. Our 27 published leaflets were distributed, to much favourable comment, at events including the Geoconservation Annual Gathering in Edinburgh in October, and the Open University Geological Society Symposium in Musselburgh in August.

Acknowledgements

The affairs of the Society are organised predominantly by voluntary effort, assisted by one paid part-time independent contractor (Angus Miller). 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.



A cake baked by Alison Tymon, leader of the Berwick-on-Tweed excursion, to assist in providing a 3D explanation for the tectonic development of the Berwick Monocline (photograph courtesy of Beverly Bergman).

Financial Review

The Council has this year changed the accounting basis of the Society's accounts from accruals accounting to receipts and payments. This will simplify the management of the Society's finances and the preparation of its accounts, and still meets the requirements of the Office of the Scottish Charity Regulator (OSCR). On this new basis the Society incurred a deficit in 2016-17 of £7,977. Part of this deficit (£4,194) is due to the payments made to the Promotion Secretary, which Council decided could be funded from the Society's Reserves (see below). The other main reason for the deficit is a shortfall of over £2,500 in receipts of gift aid tax relief from HMRC which is expected to be received in the financial year 2017-18. In addition certain costs were greater than expected during 2016-17 and Council is taking action to address these.

The deficit on receipts and payments was largely offset by gains in the value of the Society's investments, so that total Reserves declined only slightly, from £133,086 to £132,084. The Council's policy is that it should maintain a minimum level of Unrestricted Reserves of £35,000 to guard against financial risks. The current level of Unrestricted Reserves comfortably exceeds that at £93,491. Indeed Council has determined that it can readily continue to fund the Promotion Secretary costs from its Reserves for the time being. Other initiatives may be similarly funded although the Council's overall Strategy requires it to keep the level of its Reserves under regular review.

Within the total funds of £132,084 are two Restricted Funds, the Clough and Mykura Funds which are described in note 6 to the accounts. These Funds make up the remaining £38,593 of the Reserves.

The Council is guided by its Strategic Plan for EGS 2015-19 and by an annual budgeting process under which it allocates and controls expenditure. Its investments are managed by Speirs and Jeffrey Ltd, and the Council have taken advice from Anderson Strathern LLP in the preparation of these accounts.

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

Stuart Monro, President
24 January 2018

**Statement of Financial Activities including Receipts and Payment
Account for the year ended 30th September 2017**

	Note	Unrestricted £ 2017	Restricted £ 2017	Total £ 2017	Total £ 2016
<u>Receipts</u>					
Voluntary Income					
Members' subscriptions		9,065	0	9,065	8,925
Donations		3,285	0	3,285	10,725
Investment Income		2,006	927	2,933	2,869
Income from Charitable Activities					
Excursions	3	13,137	0	13,137	14,000
Fundraising trading					
Sales of Publications		5,460	0	5,460	2,861
Total Incoming Resources		32,954	927	33,881	39,380
<u>Payments</u>					
Investment management costs		360	0	360	240
Storage		1,188	0	1,188	1,194
Fundraising trading:					
Cost of sales		3,596	0	3,596	1,661
Charitable activities:					
Lectures		2,308	0	2,308	1,925
Leaflets		1,153	0	1,153	0
Newsletters		1,798	0	1,798	961
Edinburgh Geologist		2,011	0	2,011	2,091
Excursions	3	13,470	0	13,470	14,296
Grants and awards		6,399	500	6,899	2,435
Charitable donations		20	0	20	0
Promotion		4,194	0	4,194	976
Sponsored projects		0	384	384	600
Administration & Governance		4,674	0	4,674	1,021
Total resources expended		41,171	884	42,055	27,400

Continued overleaf

Net incoming/(outgoing) resources before investment sales and (purchases)	(8,217)	43	(8,174)	11,980
Proceeds from sale of investments	3,860	1,577	5,437	50,440
Purchase of investments	(3,720)	(1,519)	(5,339)	(60,407)
	140	57	197	(9,967)
Surplus/(deficit) for year	(8,077)	100	(7,977)	2,013

Statement of Balances as at 30th September 2017

	2017 £	2016 £
Cash Funds		
Cash and bank balances at start of year	32,983	34,284
(Deficit)/surplus shown on receipts & payments account	(7,977)	2,013
Adjustment required to restate to receipts & payments	0	(3,314)
Cash and bank balances at end of year	25,006	32,983
Stock		
Stock of publications	1,714	4,648
Other stock	709	851
	2,423	5,499
Investments - Analysis of Movements of Investments		
Market value at beginning of year	94,398	
Add: additions to Investments at cost	5,239	
Less: disposals at market value	(4,800)	
Add: net gain on revaluation	6,744	
	101,581	

The notes on pages 16-17 form part of these accounts.

Approved by Council and signed on its behalf by

C Ranken, Treasurer 24 January 2018

Notes forming part of the Financial Statements

1) Accounting Policies

- (a) The accounts have been prepared on a receipts and payments basis.
- (b) The size of the Society is such that the trustees moved the preparation of the accounts from an accruals basis to a receipts and payments basis as this was felt to be more appropriate. This is to reduce cost and make the preparation of the accounts much simpler. The figures for 2015-16 have been restated on this basis.

2) Geoconservation Groups

Lothian and Borders GeoConservation is constituted as a committee of the Society, but has its own office-bearers and bank accounts. Its financial results are included in these accounts. The figures for 2015-16 have been restated on this basis.

3) Excursions

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

	2016/17		2015/16	
	Contributions £	Cost £	Contributions £	Cost £
Day Excursions	808	1,728	524	965
Weekend Excursions	0	78	485	468
Long Excursions	12,165	11,528	12,754	12,651
Fellows' Night	165	136	237	212
TOTAL	13,138	13,470	14,000	14,296

4) Publications

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.

5) 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 (£238) were refunded to 3 members of Council, and other costs totalling £755 incurred on behalf of the Society were refunded to 4 members of Council.

No trustee had any personal interest in any contract or transaction entered into by the charity during the year. One member of the Society entered into a contract for services to provide promotion activity to the Society.

6. 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. One grant was made from the Clough Fund during the year; one award was also made from the Mykura Fund, which supports fieldwork in Scotland.

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.

	Unrestricted Funds £	Endowment Funds £		Total £
		Clough	Mykura	
Investment income	2,006	464	463	2,933
Sponsored projects	0	0	0	0
Other Incoming resources	30,948	0	0	30,948
Total Incoming resources	32,954	464	463	33,881
Grants and awards	6,399	500	0	6,899
Sponsored projects	0	384	0	384
Other outgoing resources	34,772	0	0	34,772
Total outgoing resources	41,171	884	0	42,055
Gains on Investments	4,906	1,133	1,133	7,172
Net movement in funds	(3,311)	713	1,596	(1,002)
Funds brought forward	96,802	19,298	16,986	133,086
Funds carried forward	93,491	20,011	18,582	132,084
Represented by:				
Investments	69,478	16,075	16,029	101,581
Current assets	24,013	3,936	2,554	30,503
	93,491	20,011	18,582	132,084

**Independent Examiner's Report to the Trustees of the
Edinburgh Geological Society**

For the year to 30th September 2017

I report on the Accounts of the Charity for the year ended 30th September 2017 which are set out on pages 14 to 17.

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 and the Charities Accounts (Scotland) Regulations 2006 (as amended). The charity's trustees consider that the audit requirement of Regulation 10(1)(a) to (c) of the 2006 Accounts Regulations does not apply. It is my responsibility to examine the accounts as required under section 44(1)(c) of the Act and to state whether particular matters have come to my attention.

Basis of independent examiner's statement

In the course of 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 8 of the 2006 Accounts Regulations
have not been met, or
- 2) to which, in my opinion, attention should be drawn in order to draw a proper understanding of the accounts to be reached.

Jessie W Craig MA, CA
33 Braehead Avenue
Edinburgh
EH4 6QN

2018

Obituaries

During the year we recorded with the greatest regret the deaths of Mr Norman Edward Butcher, Mr Derrick Crossley, Mr Tom S Kerr, Mr Anthony John Paynter King, Dr John Richard Mendum, Mr Robert Sinclair and Mr Alistair Sutherland.

Norman Edward Butcher: Stuart Monro and Bernard Leake write (this is an abridged version; their unabridged obituary can be read at <http://www.edinburghgeolsoc.org/home/obituaries/>) - Born in Chichester in 1928, Norman's school interest in Science led him to Sheffield University after completing his National Service to embark on a chemistry degree course. However, Norman was soon captivated by his subsidiary first-year geology course - he abandoned chemistry and obtained a first in geology in 1948. Postgraduate research followed at both Sheffield and Oxford universities on the geology of the west side of Dartmoor. While at Oxford, Norman married Margaret, a fellow Sheffield graduate.

In 1956 Norman was appointed an Assistant Lecturer in Geology in the University of Reading. While there he published extensively on the geology of SW England. Nevertheless, his time at Reading became progressively pre-occupied with teaching at the expense of research. His Reading appointment ended in 1969, but he was quickly appointed Staff Tutor in Earth Sciences for Scotland in the fledgling Open University, with responsibility for setting up a network of tutorial and counselling staff to deliver its courses in Earth Science and Physics. His appointment required a move to Edinburgh, which was much to Norman's liking. He was dedicated to helping his students succeed at their studies, enthuse them with geological knowledge and take them on field trips, often with his family for the longer excursions, such as to Skye. Norman undoubtedly established himself as the face of OU Earth Science in Scotland and as one of the real characters of the OU Earth Science Department. Norman retired from the Open University in 1992. He is fondly remembered by many of his ex-students.

Norman's contribution to geological life in Scotland extended far beyond his Open University career. He developed a keen interest in the history of geology and in the contributions of notable scientific figures. He was a conscientious letter writer or occasional publisher over matters of public interest, such as the 2001 closure of the Scottish Science Library, the appropriate permanent marking of the site of James Hutton's house and the convoluted history plus the geology of a notorious 'Hole in the Ground' in central Edinburgh.

Norman was a loyal member of many societies dedicated to the dissemination and advancement of geological and wider knowledge. He joined the Edinburgh Geological Society in 1971, was elected to the Council in 1972, was the Honorary Secretary 1974-79 and served as President 1983-85. As President, he was instrumental in bringing the 4th Meeting of European Geological Societies (MEGS4) on the “Evolution of the European Lithosphere” to Edinburgh.

Dr Steve Drury, a former colleague of Norman’s at the OU recalled Norman as “the irritating old grit needed in constructing the pearl that was the original Department of Earth Sciences”. He continued “They don’t make ‘em like Norman any more...”. Norman died in April 2017.

Derrick Crossley had been an EGS member since the 1973-1974 session. Although his primary Cambridge University degree was in history, Derrick also developed a keen interest in geology, arising from his research in the 1960s into local mining history during his career in the Lauder Technical College at Cowdenbeath. Prior to joining EGS, he began to attend geology excursions organised by a colleague in Lauder College’s Adult Education Department, and this whetted his appetite to join EGS to participate in many of our excursions. Derrick died on 27th April 2017.

Thomas Stewart (Tom) Kerr and his wife Alison have been enthusiastic members of EGS since 1988, and in particular of our Long Weekend excursions. Tom qualified in medicine at Edinburgh University in the 1960s, and following a stint as a junior doctor in Aberdeen Royal Infirmary, he joined the Forth Valley NHS Trust, working as an orthopaedic surgeon at Falkirk and Stirling hospitals for the rest of his career. Tom, with Alison, loved hillwalking and the outdoors in general, both in the UK and in many exotic overseas locations. Tom completed an Open University degree in geology in the early 1980s, and in later years he headed the Stirling RIGS group. Tom’s participation in excursions was of huge value to the Society - he willingly provided medical support to cope with broken bones, sprained joints, slipped discs or sand-blasted eyes, which inevitably happened on the best-planned days. Tom died on 23rd April 2017.

Anthony John Paynter (Tony) King: Andrew Mc Millan writes (with contributions from Jeremy and Debbie King) - Tony was born in 1928, and he was an outward-going, jovial and generous man. Brought up in Lancashire, he embarked on an insurance career after completing his National Service. As an avid learner Tony studied in the evenings resulting in his associateship and Fellowship of the Chartered Insurance Institute. He then pursued his life-long interest in geology and especially volcanoes, starting an Open University degree ‘for fun’. This led to family holidays to the West Country

and to Arran (where visits to key geological localities were an important ingredient). Tony also travelled widely overseas to represent the London Insurance Market, and was often accompanied by his wife Wendy. This enabled them to visit together many notable geological localities in Australia, North America, Mexico, Nicaragua, and Guatemala.

Tony joined our Society in 1979-80, but he became actively involved in 1983 following a geological excursion to Shetland led by Dr Wally Mykura for the Geologists' Association. From then on for over a decade the ever-ebullient Tony, accompanied by Wendy, attended many of the Society's week-long excursions including many to the northwest Highlands and Islands. He and Wendy were also regular attenders of the Society's annual Social Evenings in December and Fellows Nights in February.

Tony was also an active Fellow of the Geological Society of London (joining in 1977). He was a member of the Charter and Byelaws Working Party, under Sir John Knill, which re-drafted the Society's Byelaws completely in the late 1990s. He was also an enthusiastic participant of the Society's Dining Club. A stalwart member of the Geologists' Association, Tony served on its Council in the early 1980s before becoming President during 1984-86. A strong supporter of the work of BGS, Tony took a keen interest in the hotly debated decision (deferred until much more recently) to move the Scottish Survey's fossil collections from Edinburgh to Keyworth in 1992. He recognized the strategic value of retaining an onsite macrofossil collection and macro-palaeontology expertise as key components of the stratigraphical work of the Survey north of the border. His support of Survey geologists who advocated retention of this resource and defied their own Director at the time is not forgotten. Tony died on 16th August 2017, and is survived by Wendy, a daughter, three sons and four grandchildren.

John Richard Mendum: Doug Fettes writes - John Mendum was an archetypal field geologist. Equally happy on sandy foreshore or highland crag, he was a meticulous mapper and a keen observer, never afraid to challenge the perceived opinion. As such he was a great servant and communicator of Highland geology. John was born in Middlesbrough in 1945 and studied at Leeds University. Following graduation in 1967, he and his wife Mary went to Australia, where John joined the Bureau of Mineral Resources, mapping in the Northern Territory. In 1971 he returned to the UK and completed an MSc in structural geology and rock mechanics at Imperial College in 1972. He then moved to Edinburgh and undertook a PhD study mapping in the northern Italian Alps: reflecting his love of mountains and his passion for structural and metamorphic rocks.

In 1974 John joined the Highland Unit of BGS. He worked throughout the Highlands and Islands and brought fresh insight and interpretation across a

vast range of subjects including the nature of the Tay Nappe, the structures of the Buchan Block, the Moine Thrust, and the structural history of the Hebridean Lewisian (including a possible extended role for the Grenville Orogen). John's expertise, however, was not just in the detail of the structural history of the Caledonides - he complemented this with an extensive knowledge of global orogenic belts and processes. He contributed significantly to the BGS publications and was a major contributor and editor to the Geological Conservation Reviews covering the Highlands.

Although he nominally retired in 2006, John continued a very active career. He was a staunch supporter of the Society and was a popular leader of field excursions, not just with EGS but also with many other societies. This reflected his genuine interest in his subject along with a very open and helpful personality. John also developed an interest in some of the great early geologists and produced detailed biographies of Geikie, Clough, Horne and others.

Outside of geology, John was an active sportsman and bridge player and he strove to be a perfectionist in all his endeavours. One of his great passions was wine, and he developed an encyclopedic knowledge and a collection to match. He was always happy to put on a wine tasting and he encouraged and educated on wines on many a convivial evening. John died, following a short period of ill health, in December 2016.

Robert Sinclair's wife informed EGS in February of the current session that Robert died in August 2016. Robert developed an interest in geology post-retirement, and was a member of EGS during the 2015-2016 session only.

Alistair Sutherland: Bill Baird writes - Alistair was a multi-talented individual whose main geological interest was in the Scottish Carboniferous corals. During his voluntary work with the Geology Department of the National Museums of Scotland, he put his skills and dedication to practical use. With the writer and close friend, he visited and collected from many Scottish Carboniferous Limestone sites in the Central Belt of Scotland. A large number of specimens were obtained, of both reference and display quality, and these were prepared, named and registered before being added to the National Museum collections. The quantity and quality of these additions were such that a new edition of the *Catalogue of Carboniferous Fossil Corals* became necessary, and this was duly produced by Alistair and Bill and published by the National Museums of Scotland. Alistair's legacy lives on in the enhanced status of the National Collections which contain many new specimens from sites, most of which are no longer accessible. Both Alistair and his wife Margaret joined the Society in the 1974-1975 session. Alistair died in September 2016.