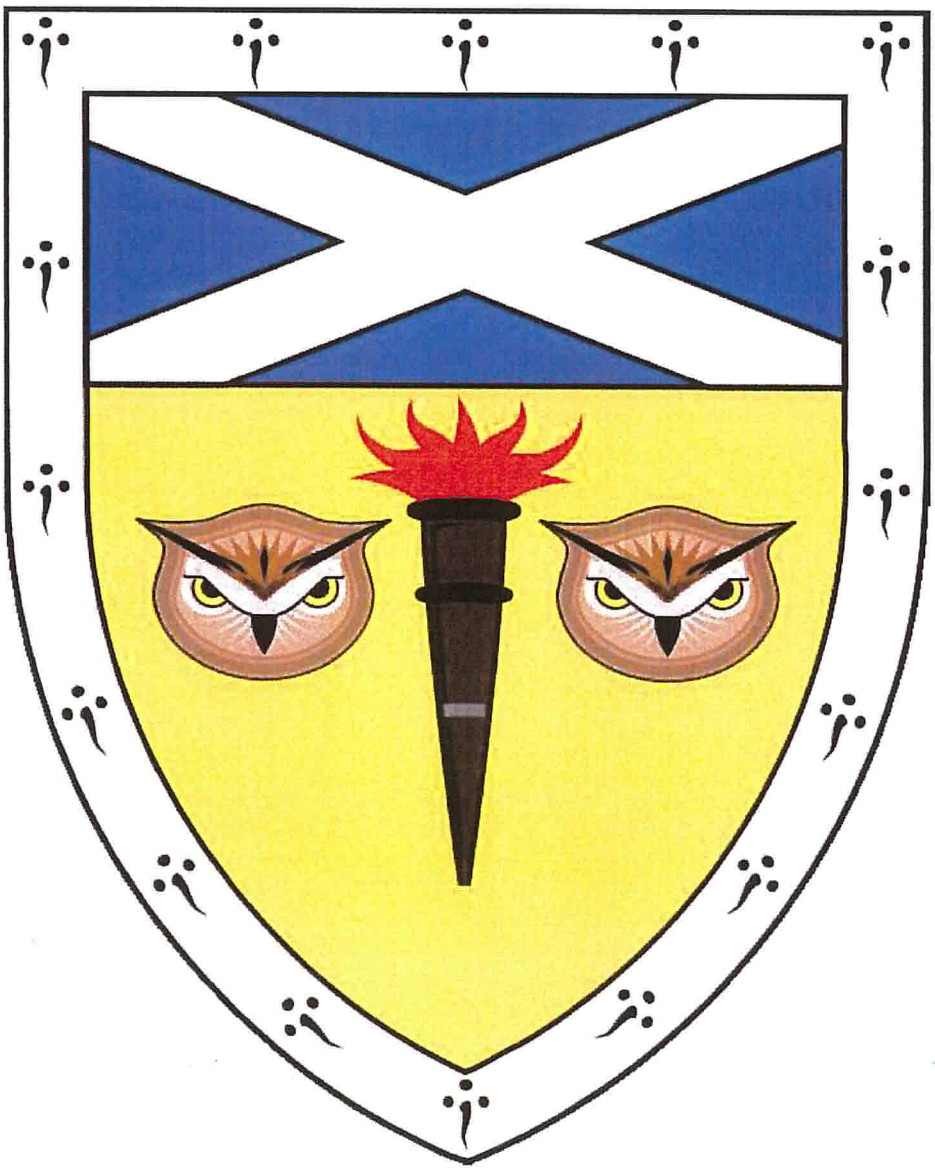
The Royal Scottish Society of Arts

Showcasing Scotland's Science, Technology and Innovation

Report of Council for the period 1st September 2018 to 31st August 2019

198th Session



Patron: Her Majesty the Queen

Established 1821 - Incorporated by Royal Charter 1841

Registered Scottish Charity SC015549

The Royal Scottish Society of Arts

Showcasing Scotland's Science, Technology and Innovation

Report of Council for 1st September 2018 to 31st August 2019

Charity name	The Royal Scottish Society of Arts	
Registered charity number	**SC015549**	
Charity's principal address	23 Queen's Crescent	
	Edinburgh	
		Postcode EH9 2BB
	Email: secretary@rssa.org.uk	Website: https://www.rssa.org.uk/

Names of the charity trustees on date of approval of Trustees' Annual Report

	Trustee name	Office (if any)	Dates acted if not for whole year	Name of person (or body) entitled to appoint trustee (if any)
1	Dr Alison Morrison-Low	President		AGM
2	Professor James Floyd	Vice-President		AGM
3	Brigadier Joseph d'Inverno	Vice-President		AGM
4	Professor Stuart K Monro	Immediate Past President		Ex Officio
5	Dr Beverly Bergman			AGM
6	Mr Stuart Brown			AGM
7	Mr Michael Laver		from 3rd June 2019	AGM
8	Mr John Lovell			AGM
9	Dr Carol Marsh		from 3rd June 2019	AGM
10	Professor Ian Robson			AGM
11	Mr Neil Short		from 3rd June 2019	AGM
12	Mr Peter Jones	Secretary		Trustees
13	Mr Graham Rule	Treasurer		Trustees
14	Brigadier Ian Gardiner	Programme Secretary		Trustees

Names of all other charity trustees during the period, if any, (for example, those who resigned part way through the financial period)

Name	Dates acted if not for whole year
Dr Allen Simpson	up to 18th March 2019
Dr Peredur Williams	up to 3rd June 2019

The shield shown on the front page is from the Society's full 'coat of arms' as described by the Lord Lyon King of Arms: "Or, between two eagle owls heads affrontée proper a torch Sable paleways enflamed Gules, on a chief Azure a saltire Argent, all within a bordure Ermine". The shield has a white border with black marks representing ermine fur. The upper part has a white (or silver) diagonal cross on a blue background. Below that the main body of the shield is yellow (or gold) with two forward-facing eagle owl heads on either side of an upright black torch with red flames. The Society commissioned the local illustrator Sandy Mackenzie <sandiloquent@gmail.com> to create the computer file based on the description and original painting from the Lord Lyon.

Structure, governance and management

The Society was incorporated by Royal Charter on 16th August 1841 and, subject to that charter, is governed by Laws, last altered on 24th June 2013.

The affairs of the Society are managed by a Council (the Charity's Trustees) consisting of: the President, the immediate Past President (if willing), two Vice-Presidents, up to seven Councillors, the Secretary, the Treasurer, and additional Officers as determined by Council. The President, Vice-Presidents and Councillors are elected by the membership at the Annual General Meeting. The immediate Past President holds office ex-officio.

The Secretary, Treasurer, and additional Officers (currently the Programme Secretary and the Archivist) are appointed by the Council.

Fellows of the Society are encouraged to put their names forward for election to the Council at the Annual General Meeting.

Objectives and activities

The objects of the Society are the advancement of the Useful Arts in Scotland and the encouragement of Invention which these days is taken to be concerned with Science and Technology.

The Society holds seven or eight lecture meetings each year, all of which are open to the public with the objective of promoting public engagement in Science, Technology and Innovation. The Society also organises, for the Fellows, visits to interesting technological places of special scientific interest each year.

The Society annually awards a prize and medal to the best student in the SQC Higher Engineering Science and Advanced Higher Engineering Science examinations.

The Society desires to expand its activities and is actively pursuing means of engaging with schools, colleges, and universities.

Achievements and performance

As in previous years, the main activity of the Society has been the monthly lectures for Fellows that are open to the general public. The talks were all of an extremely high standard, covering a wide range of topics concerning Scotland's innovative role in current science, technology, engineering and medicine and very appealing to the audiences. A full list of the lectures is shown below.

The Council is concerned to ensure that the Society continues to comply with the GDPR – General Data Protection Regulations. As a membership organisation the Society has a duty to hold certain records regarding its Fellows. The Society is required to keep appropriate accounting records, including subscriptions paid. It holds very little about non-Fellows other than correspondence with speakers and a simple mailing list. Everyone on this mailing list has confirmed that they would like to continue to receive information about the Society's activities.

Professor Sir James Hough of the University of Glasgow, was elected an Honorary Fellow. Professor Hough was knighted in 2018 "for services towards the detection of gravitational waves", following his substantial contribution to the detection of gravitational waves in 2015.

The Society awarded a grant of £2,800 to the Dynamic Earth Charitable Trust to support the delivery of science outreach to school and family audiences in Caithness from 18-23 March 2019, in collaboration with the Caithness International Science Festival.

The Council considers that the Society makes a useful contribution to the advancement of science and technology in Scotland and that the year in question was very successful. Engagement with more younger people and increasing attendance at meetings is high on the list of objectives for the future.

Financial review

The Trustees have assessed the major risks to which the charity is exposed, in particular those relating to the operations and finances of the Trust and are satisfied that systems are in place to mitigate their exposure to major risks.

The Council feels that reserves of the order of £100,000 are needed to generate income necessary to pay the expenses of, and to attract, the quality of speaker the Society needs for its lecture series, and to make awards.

Currently the Sociery has more than this in hand and the Council is actively investigating how to best use the surplus while being mindful of the decline in investment income and interest that these reserves are providing.

The Council continues to plan an extended programme of events celebrating the Society's bicentenary in 2021 and it is expected that this will require significant expenditure.

During the year the Council decided to move funds from the current account (which gives no interest payments) to the Society's investment portfolio managed by Investec. As this transfer appears as a "payment" in the Receipts and Payments Accounts it creates a deficit for the year of nearly £19,000. However the Society has continued to operate well within its income and would have shown a modest surplus if not for this transfer.

The total wealth of the Society (cash funds + investment valuation) dropped by around £3,400 during the year which compares favourably with the markets over that period.

Details of any deficit: None

Donated facilities and services (if any): None

Other optional information

Historically the Society published journals and proceedings which contain many papers that are relevant to the development of Science and Technology in Scotland and further afield. The Council is looking into how these may be made more generally available and is investigating digitisation with a view to them being maintained on the National Library of Scotland's platform, at no cost to the Society.

The Royal Scottish Society of Arts

Showcasing Scotland's Science, Technology and Innovation

The Royal Scottish Society of Arts was founded in 1821 as 'The Society for the Encouragement of the Useful Arts in Scotland' and incorporated by Royal Charter in 1841. It was concerned with the fields that we would now describe as science, technology, engineering and manufacture, but which were then known as the useful arts, as opposed to the fine arts.

Today the Society aims to showcase Scotland's Science, Technology and Innovation, mainly through a monthly lecture programme, excursions, promotion of Honorary Fellows, and the award of medals.

The lecture programme is given by excellent public speakers, who are distinguished in their fields of study, and the topics cover a wide range of scientific and technical issues, all pertinent to the Scotland in which we live today.

Unless otherwise announced, meetings are at 7pm at the Augustine United Church, 41 George IV Bridge, Edinburgh, EH1 1EL. When possible these are on the last Monday of the month (September to April, but not December). The AGM is usually on the first Monday of June (to avoid the May Bank Holiday). Complimentary tea, coffee and biscuits are served from about 6:40pm onwards before the meetings. There is a hearing loop in the meeting room and ramped access to the building is available.

Fellowship of the Society is open to all with an interest in science and its place in society who would like to attend our meetings. Fellows of the Society are entitled to use the letters FRSSA after their names. Applications for Fellowship must be supported by at least one Fellow of the Society to whom the applicant is personally known.

More information about applying for Fellowship is available at our meetings. Please introduce yourself to the President, Secretary or one of the members of the Society's Council at a meeting for further details.

Dr Alison Morrison-Low
president@rssa.org.uk

Mr Peter Jones
secretary@rssa.org.uk
23 Queen's Crescent
Edinburgh EH9 2BB

Mr Graham Rule
treasurer@rssa.org.uk

Honorary Fellows

The Society's Rules allow for the election of up to 10 people "*Distinguished in the Science of the Applied Arts*" as Honorary Fellows.

Professor John Brown OBE DSc FInstP FRAS FRSE, Astronomer Royal for Scotland

Professor Dame Anne Glover DBE FRS FRSE FASM FRSGS

Professor Peter Higgs CH FRS FRSE FInstP, Nobel Laureate

Professor Sir James Hough OBE FRS FRSE FInstP FRAS

Professor Malcolm Longair CBE FRS FRSE

Professor Stephen Salter MBE FRSE

Meetings and Excursions

1st Meeting of the 198th Session (2018-2019)

Between a rock and a hard place: the critical role that Early Cenozoic events had in shaping the UK geology, shale gas reserves and carbon storage sites

Professor John Underhill BSc PhD FGS FRSE
Chief Scientist & Shell Chair of Exploration Geoscience,
Academic Director of the NERC Centre for Doctoral Training (CDT) in Oil & Gas,
Heriot Watt University, Edinburgh

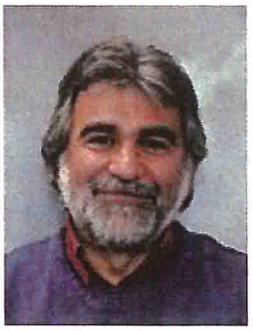
On Monday 17th September 2018

A cursory look at the geological map shows the UK has been significantly uplifted and tilted to the east. The subsequent opening of the Atlantic Ocean caused further deformation resulting from buckling against the stable tectonic interior of continental Europe. These events profoundly affected many of the basins of sedimentary rock that make up the British Isles — including those considered to contain large shale resources and where carbon dioxide injection is proposed. Although it is generally assumed shale gas extraction would work if exploration drilling went ahead, little attention has been paid to whether the country's geology is suitable for shale oil and gas production. The effects of this same uplift reached into the North Sea where they have importance for saline aquifers that form potential carbon storage sites. This talk covered some of the fundamental geological uncertainties which need to be considered by the UK when considering carbon storage and shale gas extraction as viable solutions.

John gained his first degree in Geology at Bristol University in 1982. He was awarded a PhD from the University of Wales, Cardiff in 1985; the subject of his BP-sponsored thesis being: 'Neogene and Quaternary Tectonics and Sedimentation in Western Greece'. John worked for Shell in The Hague and London as an exploration geoscientist. He was appointed as lecturer in the Grant Institute of Geology (as it was then) in 1989 before becoming Professor of Stratigraphy in 1998. Whilst at Edinburgh, he spent Sabbaticals in BP (1992-93) and Norsk Hydro (1997-99). John moved across to Heriot-Watt University in August 2013 and became the Shell Professor of Exploration Geoscience later the same year. He was promoted to the role of University Chief Scientist in January 2017. John leads the Natural Environmental Research Council (NERC) Centre for Doctoral Training (CDT) in Oil and Gas, a £11 Million partnership of Universities, Research Centres and companies. He helped steer the British Geological Survey (BGS)'s successful move to co-habit the new Lyell Centre for Earth & Marine Science & Technology at Heriot-Watt, which was launched last year. John was elected to the Board of the European Association of Geoscientists & Engineers (EAGE) in 2009, an organisation that he led as their President in 2011-12. In 2012 he was awarded the Geological Society's Petroleum Group's top award, The Silver Medal and the Edinburgh Geological Society's Clough Medal. The American Association of Petroleum Geologists (AAPG) bestowed their prestigous Distinguished Educator Award to John at their Annual Meeting in Pittsburgh in May 2013. John was awarded the Lyell Medal for 2016 by the Geological Society. His main area of geological research is understanding how the Sedimentary Basins form and evolve through the use of seismic interpretation methods and their impact on petroleum systems.

How are you feeling? Detecting Disease using a robotic sense of touch

Professor Bob Reuben BSc PhD CEng FIM FIMechE FHEA
Professor of Materials Engineering
School of Engineering and Physical Sciences
Heriot-Watt University



On Monday 29th October 2018

Professor Reuben stepped in at short notice as Professor Polly Arnold regrettably had to pull out from speaking to us due to a family illness.

In his talk Professor Reuben referred to the work he has undertaken in conjunction with Professor Alan McNeill of the Western General Hospital using "instrumented palpation" to assess risk level in prostate cancer. He went on to look towards the future of using their technique in conjunction with robotic surgery to enhance the quality of surgical decision-making, so called "theranostics", as well as speculating on other types of tissue quality assessment. He finished with a consideration of how soon cancer, or other diseases, can be detected using palpation.

Bob Reuben received a BSc in Metallurgy from the University of Strathclyde in 1974 after which he spent 3 years as a Scientific Officer at UKAEA Dounreay working on industrial research into the chemical and metallurgical performance of fast reactor fuel elements. He then was employed as a Research Assistant at the Open University's Oxford Research Unit, which led to his PhD on Hydrogen Permeation through Metals in 1980. He then carried out postdoctoral work at the University of Strathclyde on structure-property relationships in some novel steels for automotive and structural use. From 1983 to 1985, he was employed as a lecturer at Robert Gordon's Institute of Technology (now RGU) in the School of Mechanical and Offshore Engineering before joining Heriot-Watt University as a lecturer in the Department of Offshore Engineering in 1985. In 1990, he moved to the Department of Mechanical Engineering and became Professor of Materials Engineering in 1995. His research interests generally fall into the area of experimental mechanics, including: structure-property relationships for development of engineering performance of materials and also for use as diagnostic indicators in medicine (tissue quality); development of new, quantitative approaches to analysis of stress waves in solids for diagnostic engineering; and applications of mechanics to miniature mechanical systems to achieve real engineering solutions in millimetre-sized envelopes. He is an Honorary Professor at the University of Edinburgh by virtue of his membership of the Edinburgh Research Partnership (EP) Joint Research Institute of Integrated Systems (JRI IIS).

A Pep Talk: Curing the Common Cold

Dr Peter Barlow BSc(Hons) PhD FHEA FRSB
Associate Professor of Immunology and Infection
School of Applied Sciences
Edinburgh Napier University

On Monday 26th November 2018

A cure for the common cold has eluded scientists for more than half a century. For many people, catching a cold can be an innocuous annoyance, but for those individuals with existing lung diseases such as asthma, a cold can be extremely dangerous. Despite extensive scientific investigation, there is still no vaccine or treatment for rhinovirus, the primary cause of the common cold.

In this talk, Dr Peter Barlow gave an overview of the work that has taken place over the past 50 years in terms of finding a cure for the common cold. In addition, he highlighted recent exciting developments in this area, including how molecules found in the human immune system could hold the key to solving the tricky problem that this virus poses.

Dr Peter Barlow's interests lie in studying the human immune system with a view to developing new therapeutics for lung infections, like influenza and rhinovirus (a cause of the common cold). Prior to his post at Edinburgh Napier University, he previously worked in the Centre for Inflammation Research at the University of Edinburgh, and in the Centers for Disease Control & Prevention in Atlanta.

Peter is passionate about public engagement with science and is a Media Spokesperson for the British Society for Immunology. His work has been profiled on BBC News, Sky News, ITV News, BBC Countryfile Diaries, BBC Radio, NPR, and in many national and international newspapers.

http://www.barlowlab.com
https://www.napier.ac.uk/people/peter-barlow

Finding planets around other stars

Professor Ken Rice PhD FRAS
Professor of Computational Astrophysics
Institute for Astronomy, University of Edinburgh

On Monday 28th January 2019

Just over 20 years ago, we didn't know of any planets outside our Solar System. We now know of almost 4000, and the discovery of new ones continues apace. These planets are known as extrasolar planets, or exoplanets. Professor Rice discussed how we find them, what we know about them, and the prospects for the future of this exciting research area. In particular, he examined when can we expect to detect an exoplanet that might have conditions suitable for life?

I started my research career at the University of KwaZulu-Natal, in South Africa. I did a PhD in physics and spent time working for the South African National Antarctic Programme. I then had postdoctoral positions at the University of Delaware, and the University of St Andrews, before taking up a faculty position at the University of California, Riverside. I moved to the University of Edinburgh at the beginning of 2006 and now hold a Personal Chair in Computational Astrophysics.

http://www.roe.ac.uk/~wkmr

A fourth Industrial Revolution - the transition to an electric society

Hon Adam Bruce WS
Global Head of Corporate Affairs
Mainstream Renewable Power

On Monday 25th February 2019

> *The "we have done it like this for a century" value chain in developed electricity markets will be turned upside down within the next 10-20 years.* [UBS]

In this lecture Adam examined the three forces that are driving extraordinary change in the global energy sector, and impelling the world towards an electric future. Less about energy production and more about the advance of technology, the world is undergoing a fourth Industrial Revolution which is turning "business as usual" on its head. Electricity utilities across the world are caught in a "death spiral" as they struggle to compete as new technology changes customer demand.

Adam discussed how future energy policies can be realised, based on technology and engineering currently available and what is likely to be the direction of travel resolving some of the supply, storage and distribution issues utilising new energy technologies.

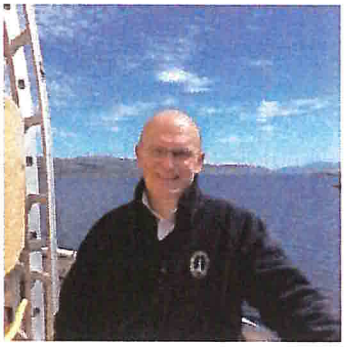
If, as a former Saudi oil minister said, the stone age didn't end because we ran out of stone, so the oil age won't end because we run out of oil, what comes next?

Formerly a with UK law firm, where he was Director of Public Policy, Adam has worked in the global electricity sector since 2006, first with Airtricity, where he was CEO of its UK business, and latterly as Head of Corporate Affairs for Mainstream Renewable Power. In 2012 he was appointed by the UK and Scottish governments to chair the Offshore Wind Programme Board, and is a former Chairman of RenewableUK.

Adam is a Trustee of National Museums Scotland, and sits on the Development Board of Oxford University's Maths, Physics and Life Sciences Division. In 2012 he was appointed Marchmont Herald at the Lyon Court, having served as Unicorn Pursuivant since 2008.

6th Meeting of the 198th Session (2018-2019)

More than Lighthouses



Commodore Mike Bullock
Chief Executive
Northern Lighthouse Board

On Monday 25th March 2019

The Northern Lighthouse Board (NLB) has been providing Marine Aids to Navigation in Scottish and Manx waters for over two centuries, protecting lives, property and the environment. The presentation set out the governance, role and function of the modern service while paying due regard to the organisation's origins and heritage.

Mike Bullock joined NLB in April 2014 as Chief Executive after 34 years' service in the Royal Navy. He served in six ships and submarines. His shore appointments included the British Defence Staff Washington DC, NATO Headquarters in Northwood London, Ministry of Defence Whitehall and as a liaison officer embedded with the US Joint Staff in the Pentagon. His final appointment was in Navy Command Headquarters, Portsmouth where he had responsibility for Logistics and Infrastructure for the Royal Navy, Royal Marines and Royal Fleet Auxiliary. He is a graduate of the Royal College of Defence Studies.

https://www.nlb.org.uk/

The human genome - its scientific and societal impact

Professor Tim Aitman MB ChB FRCP FMedSci FRSB FRSE
Professor of Molecular Pathology and Genetics;
Director, Centre for Genomic & Experimental Medicine, Institute of Genetics and Molecular Medicine, Clinical Director, Edinburgh Genomics, University of Edinburgh;
and Honorary Consultant Physician, NHS Lothian

On Monday 29th April 2019

The first human draft sequence of the human genome was completed in 2001, a project taking 15 years and costing three billion dollars. An individual's human genome can now be sequenced in a few days at a cost of less than a thousand dollars. This lecture considered the utility of this capability in genome sequencing to advance scientific knowledge and healthcare and discussed whether society has fully understood and adapted to the power and opportunities of this technological revolution.

Professor Tim Aitman is the Director of the Centre for Genomic and Experimental Medicine within the MRC Institute of Genetics and Molecular Medicine. He is Professor of Molecular Pathology and Genetics at the University of Edinburgh, Clinical Director of the whole genome sequencing facility in Edinburgh Genomics and Consultant Physician in NHS Lothian. He is a Fellow of the Royal Society of Edinburgh, the Royal College of Physicians, the Academy of Medical Sciences, and the Society of Biology and co-PI of the Scottish Genomes Partnership, a nationally important collaboration with the NHS and Genomics England. He was the Specialist Advisor for the 2009 House of Lords Inquiry in Genomic Medicine.

Professor Aitman's research uses genome technology and information to elucidate the genetic basis of both common and rare human disorders, aiming to use this information to diagnose and stratify human disease, and to move such advances towards routine healthcare.

http://www.cgem.ed.ac.uk/research/people/tim-aitman
http://www.scottishgenomespartnership.org
https://genomics.ed.ac.uk/about-us/profile-tim-aitman

Annual General Meeting

The Society's AGM was held in the Augustine United Church on Monday 3rd June 2019

The President, Dr Alison Morrison-Low, was in the Chair.

Agenda

1. To record apologies for absence
2. Minutes of the AGM held on Monday 4th June 2018
3. Presentation of the Annual Report of the Council for the 11 months ended 31st August 2018
4. President's Report of the 198th Session of the Society
5. Election of Officers
6. A.O.R.B

Following the Annual General Meeting Dr Sam Alberti, Keeper of Science and Technology, National Museums Scotland gave a short talk entitled, "Science & Technology at National Museums Scotland: Past, Present and Future".

The evening concluded with a reception with a light buffet, wine and soft drinks for Fellows and their guests.

Excursion to the National Museum of Scotland Collection Centre

242 West Granton Road, Edinburgh

During the afternoon of 6th June, 18 Fellows and their guests were able to enjoy a visit to the National Museum of Scotland Collection Centre in Granton. What was immediately evident was the vast array and quantity of objects held in the store, ranging from steam driven mechanical diggers, horse drawn agricultural machinery, models of boats and ships, and early gramophones, and computers to name but a few. Only about ten per cent of the stock is actually displayed in the Museums themselves and there was a sense of adventure going round the vast store as you never knew just what was to be found round the corner in the next bay. Disconcertingly many of the objects were ones that Fellows remembered in daily use in their younger days! Apart from the objects themselves members were also able to visit the area where conservation and restoration is undertaken, a major item at the moment being the optic from the Tod Head lighthouse in Aberdeenshire which was constructed in 1897 by A Henri-Lepaute of Paris, with a clockwork mechanism by John Milne of Edinburgh.

Fellows were also able to see the recently acquired Bruce-Oosterwijck longitude pendulum sea clock c1662, constructed almost a hundred years before the more widely known Harrison clocks.

The Engineering Science Prize
(formerly the Technological Studies Prize)
and Bronze Medal

The Society has presented awards and medals since its earliest days. More recently it has instituted a prize of a medal and a book token for the best student in the Scottish Qualifications Certificate Higher examination that the Council believe most closely matches the objects of the Society. From 2012 this was the examination in Technological Studies and from 2016 the Engineering Science syllabus. From 2018 an award has also been made for the best student in the Advanced Higher Engineering Science examination. The presentation is made in November at the *Science and the Parliament* event held at Dynamic Earth at which similar awards are made from the Royal Society of Chemistry, the Institute of Physics, and the Royal Society of Biology.

Prizewinners

Technological Studies Prize

2012	Euan Walker	Marr College, Troon
2013	Catriona Sinclair	George Watson's College
2014	Suzie Neave	George Watson's College
2015	Michael Hain	Hutchesons' Grammar School

Engineering Science Prize

2016	Scott Bennie	Bishopbriggs Academy
2017	Agnijo Banerjee	Grove Academy, Dundee
2017	Calum McHugh	Lornshill Academy, Alloa
2017	Hanming Liang	Boroughmuir High School, Edinburgh
2017	Aidan Poon	George Watson's College, Edinburgh
2018	Timothy Brewis	Robert Gordon's College, Aberdeen

Engineering Science Advanced Higher

2018	Vasilii Hill	Madras College, St Andrews

Declaration

The trustees declare that they have approved the trustees' report above.

Signed on behalf of the charity's trustees

Signature(s)	Alison Morrison-Low	Graham Rule
Full name(s)	ALISON MORRISON-LOW	GRAHM NORMAN RULE
Position (e.g. Chair)	President	Treasurer
Date	13th March 2020	13/3/20

Enter charity name below

The Royal Scottish Society of Arts

Enter SC No

SC015549

OSCR
Scottish Charity Regulator

Receipts and payments accounts

For the period from **1st September 2018** **to** **31st August 2019**

Section A Statement of receipts and payments

	Unrestricted funds to nearest £	Restricted funds to nearest £	Expendable endowment funds to nearest £	Permanent endowment funds to nearest £	Total funds current period to nearest £	Total funds last period to nearest £
A1 Receipts						
Donations	251				251	
Legacies					-	
Grants					-	
Receipts from fundraising activities					-	
Gross trading receipts					-	
Income from investments other than land and buildings	5,651				5,651	4,871
Rents from land & buildings					-	
Gross receipts from other charitable activities	2,054				2,054	1,800
					-	
A1 Sub total	7,956	-	-	-	7,956	6,671
A2 Receipts from asset & investment sales						
Proceeds from sale of fixed assets					-	
Proceeds from sale of investments					-	
A2 Sub total	-	-	-	-	-	-
Total receipts	7,956	-	-	-	7,956	6,671
A3 Payments						
Expenses for fundraising activities					-	
Gross trading payments					-	
Investment management costs					-	
Payments relating directly to charitable activities	4,069				4,069	3,067
Grants and donations	2,800				2,800	
Governance costs:					-	
Audit / independent examination					-	100
Preparation of annual accounts					-	
Legal costs					-	
Other					-	
					-	
A3 Sub total	6,869	-	-	-	6,869	3,167
A4 Payments relating to asset and investment movements						
Purchases of fixed assets					-	
Purchase of investments	20,000				20,000	
A4 Sub total	20,000	-	-	-	20,000	-
Total payments	26,869	-	-	-	26,869	3,167
Net receipts / (payments)	-18,913	-	-	-	-18,913	3,504
A5 Transfers to / (from) funds					-	
Surplus / (deficit) for year	-18,913	-	-	-	-18,913	3,504

Section B Statement of balances

Categories	Details	Unrestricted funds to nearest £	Restricted funds to nearest £	Expendable endowment funds to nearest £	Permanent endowment funds to nearest £	Total current period to nearest £	Total last period to nearest £
B1 Cash funds	Cash and bank balances at start of year	26,108	13,607			39,715	36,210
	Surplus / (deficit) shown on receipts and payments account	(18,913)				(18,913)	3,504
						-	
						-	
	Cash and bank balances at end of year (Agree balances with receipts and payments account(s))	7,195	13,607	-	-	20,801	39,715

	Details	Fund to which asset belongs	Market valuation to nearest £	Last year to nearest £
B2 Investments	Investec	General	148,389	134,379
	CCLA	General	29,847	28,590
		Total	178,236	162,969

	Details	Fund to which asset belongs	Cost (if available) to nearest £	Current value (if available) to nearest £	Last year to nearest £
B3 Other assets					
		Total	-	-	-

	Details	Fund to which liability relates	Amount due to nearest £	Last year to nearest £
B4 Liabilities				
		Total	-	-

	Details	Fund to which liability relates	Amount due (estimate) to nearest £	Last year to nearest £
B5 Contingent liabilities				
		Total	-	-

Signed by one or two trustees on behalf of all the trustees	Signature	Print Name	Date of approval
	Alison Morrison-Low	ALISON MORRISON-LOW	13/3/20
	Graham Rule	GRAHAM RULE	13/3/20

Section C Notes to the Accounts

C1 Nature and purpose of funds *(may be stated on analysis of funds worksheets)*

The Society's unrestricted fund was worth £185,431. In addition there is a number of small prize funds (restricted) worth £13,607.

C2 Grants

Type of activity or project supported	Individual / institution	Number of grants made	£
Scientific outreach	Dynamic Earth Charitable Trust	1	2,800
		Total	2,800

C3a Trustee remuneration

If no remuneration was paid during the period to any charity trustee or person connected to a trustee cross this box (otherwise complete section 3b)	x

C3b Trustee remuneration - details

Authority under which paid	£

C4a Trustee expenses

If no expenses were paid to any charity trustee during the period then cross this box (otherwise complete section 4b)	x

C4b Trustee expenses - details

	Number of trustees	£

C5 Transactions with trustees and connected persons

Nature of relationship	Nature of transaction	Transaction amount (£)	Balance outstanding at period end (£)

C6 Other information

Additional analysis (1)

Analysis of receipts and payments

1 Donations

	Unrestricted funds to nearest £	Restricted funds to nearest £	Expendable endowment funds to nearest £	Permanent endowment funds to nearest £	Total current period to nearest £	Total last period to nearest £
Donations	251				251	
					-	
					-	
					-	
Total	251	-	-	-	251	-
	-	-	-	-	-	-

2 Grants

	Unrestricted funds to nearest £	Restricted funds to nearest £	Total current period to nearest £	Total last period to nearest £
			-	
			-	
			-	
			-	
Total	-	-	-	-
	-	-	-	-

3 Gross receipts from other charitable activities

	Unrestricted funds to nearest £	Restricted funds to nearest £	Expendable endowment funds to nearest £	Permanent endowment funds to nearest £	Total current period to nearest £	Total last period to nearest £
Subscriptions	1,775				1,775	1,800
Gift Aid reclaimed	279				279	
					-	
					-	
					-	
					-	
					-	
					-	
Total	2,054	-	-	-	2,054	1,800
	-	-	-	-	-	-

4 Payments relating directly to charitable activities

	Unrestricted funds to nearest £	Restricted funds to nearest £	Expendable endowment funds to nearest £	Permanent endowment funds to nearest £	Total current period to nearest £	Total last period to nearest £
Publicity, website, etc.	442				442	405
Meeting costs	1,760				1,760	1,708
Storage hire	240				240	240
Insurance	308				308	294
Prizes	1,079				1,079	419
Excursion costs	240				240	
					-	
					-	
					-	
					-	
					-	
Total	4,069	-	-	-	4,069	3,067
	-	-	-	-	-	-

OSCR
Scottish Charity Regulator

Independent examiner's report on the accounts

v2

Report to the trustees/members of The Royal Scottish Society of Arts

Registered charity number SC 015549

On the accounts of the charity for the period

Period start date				Period end date		
Day	Month	Year		Day	Month	Year
1st	September	2018.	to	31st	August	2019.

Set out on pages 1 to 20 (remember to include the page numbers of additional sheets)

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) 2005 Act and the Charities Accounts (Scotland) Regulations 2006 (as amended). The charity trustees consider that the audit requirement of Regulation 10(1) (d) of the 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

My examination is carried out in accordance with Regulation 11 of the 2006 Accounts 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 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 4 of the 2006 Accounts Regulations, and
   - to prepare accounts which accord with the accounting records and comply with Regulation 9 of the 2006 Accounts 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.

Signed: [redacted] **Date:** 16 March 2020

Name: Thomas Mackay Murray

Relevant professional qualification(s) or body (if any):

Address: 3 Dreghorn Loan
Edinburgh
EH13 0DF

The Royal Scottish Society of Arts

Showcasing Scotland's Science, Technology and Innovation
198th Session
2018-2019

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(Resigned 18th March 2019)

Webmaster

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