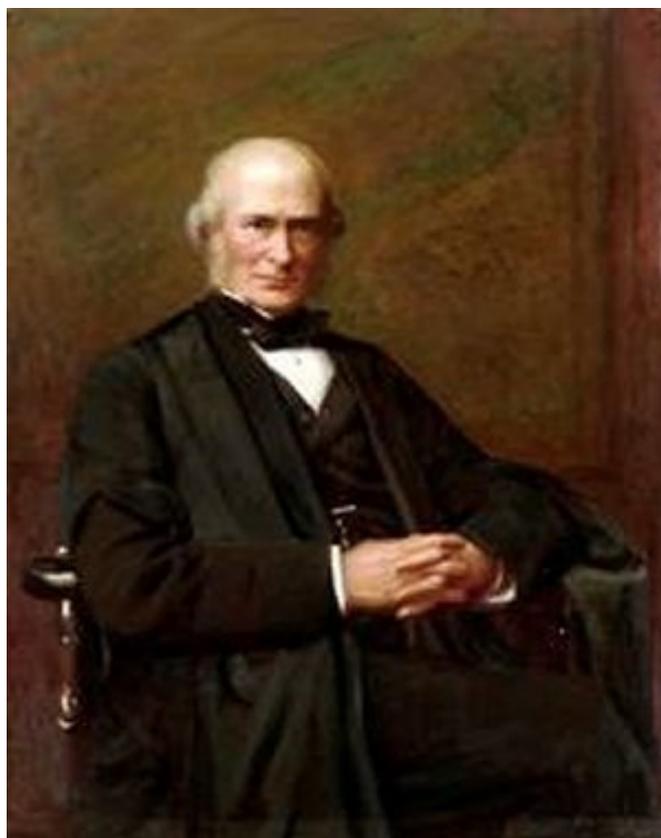


HOGG

**Newsletter of the History
of Geology Group of the
Geological Society
of London**



THE PRESTWICH MEDAL



**Number 44
February 2012**

Front cover

SIR JOSEPH PRESTWICH, the bicentenary of whose birth occurs in March this year.

Son of a wine merchant, Joseph Prestwich was born in Clapham [London] on 12th March 1812. He was educated at various schools including two years at Montmartre, Paris where he became fluent in French. In 1828, he attended University College London to study chemistry and natural philosophy and became very interested in science, setting up a laboratory at his home in Lambeth and starting a collection of rocks and minerals. However, at the age of 18, he joined the family wine business in the City of London and geological research became a spare time pursuit. This remained the case until 1872 when, at the age of 60, he retired from the business. As a young man, during holidays with his grandparents, he undertook fieldwork in the Coalbrookdale coalfield. He read accounts of this work to the Geological Society in 1834 and 1836 which culminated in a paper in the *Transactions of the Geological Society* (1840). He carried out comparative fieldwork in Scotland which also led to papers published in 1840. By then he had already joined the Société Géologique de France, and throughout his life, he was a regular visitor to France combining business with geology wherever possible.

In the 1840s, Prestwich began a systematic study of the Tertiary strata and, on this, his reputation as a geologist chiefly rests. In 1847, he became a founder member of the Palaeontographical Society, and in 1849 was awarded the Geological Society's Wollaston Medal for his Coalbrookdale and Tertiary research. His papers published in the *Quarterly Journal of the Geological Society* between 1850 and 1854 laid the foundations for all later studies of the British Tertiary. He also published on the Crag deposits of East Anglia and became a recognized expert on water supply, publishing on the water supply of London (1851) and serving on a Royal Commission (1864). Later, he was instrumental in improving Oxford's water supply. In 1865, Prestwich was awarded the Royal Medal of the Royal Society in recognition of his work on the excavation at Brixham Cave in Devon and at Abbeville, France which showed that humans had co-existed with elephants and other Pleistocene mammals. The work was eventually published in the *Philosophical Transactions of the Royal Society* in 1873.

In 1870, Prestwich was elected President of the Geological Society having already served as Secretary and Treasurer, and in February of that year he married Grace Anne McCall, niece of his co-worker Hugh Falconer. After retirement from the family business in 1872, control of which he had taken from his father in 1842, he lived at Darent Hulme, a house built with his sister high on the Chalk Downs at Shoreham, Kent. He organized his extensive collection of geological specimens and started to write papers based on his many field excursions. Few geologists of his day had seen more rocks in the field than Joseph Prestwich. After the death of John Phillips, Prestwich was offered the Chair of Geology at Oxford, a position he held from 1874 to 1888 in which year he was President of the International Geological Congress held in London. He remained active well into old age but, in November 1895, his health failed and he died at Darent Hulme on 23rd June 1896. He had been knighted in the New Year's Honours of that year but was not well enough to enjoy fully the honour. In his will, he left money to the Geological Society to endow a medal (the Prestwich Medal) to be awarded for research into stratigraphical and physical geology.

Based on Prestwich, Sir Joseph (1812-1896), geologist by John C. Thackray; Oxford Dictionary of National Biography, Oxford University Press, 2004.

Pictures: Portrait (© Geological Society London); Medal (from The History of the Geological Society of London by H B Woodward 1908).

Editorial subcommittee

Beris Cox (e mail: beris.cox@btinternet.com)

David Earle (e mail: daearle@btinternet.com)

The HOGG newsletter will be issued in February (copy deadline 31st January), June (copy deadline 31st May) and October (copy deadline 30th September).

LETTER FROM THE CHAIR



This is the first opportunity to express to members, on behalf of the HOGG committee, “Best Wishes” for the New Year 2012. At the AGM last November, the HOGG committee elected me to succeed retiring chair, Dick Moody.

During 2011, HOGG held several meetings: *Geological Collectors and Collecting* (with the Natural History Museum) in London in April; *Dinosaurs – their Kith and Kin* (with the Société Géologique de France) in Paris in May; and *Geology and Medicine* in London in November. Particular thanks go to Nina Morgan and Dick Moody for their energy and organization that made these conferences so successful.

This year we look forward to an *Open Meeting* on 20th March at Burlington House. Tony Brook has assembled a strong programme of good speakers on varied topics (Programme and Registration Form in this Newsletter). In April, we will follow *In the footsteps of Sir Archibald Geikie* at Haslemere Museum, where a remarkable discovery of his correspondence and paintings in the Museum’s loft will be on display and be the focus of a fascinating day of lectures organized by Dick Moody and the Museum. In the evening, there will be a ‘HOGG’ roast in the Museum’s gardens (Programme and Registration Form in this newsletter). Plans are well advanced for a conference in October entitled *Appreciating Physical Landscapes: Geotourism 1670-1970* (Call for Papers in this Newsletter)

I wish to thank retiring member Martin Rudwick for the fascinating ‘in the footsteps’ field trips which he has organized in the past, and for the experience and wisdom he brought to committee meetings. I would like to welcome to the committee Dr Tom Hose and Tom Sharpe, and the return of David Earle. Leucha Veneer and Beris Cox continue respectively as Secretary and Treasurer, for which I am grateful. I am pleased to report that committee members Tony Brook, Cherry Lewis, Richard Howarth and Bob Symes remain active, and that Dick Moody will continue to provide support as past chair.

Further into the future, several committee members, past and present, are involved in organizing lectures and field trips as part of the 24th International Congress of History of Science, Technology and Medicine (ICHSTM) to be held at the University of Manchester, 22nd- 28th July 2013 (see page 17 of this Newsletter). 2015 will be the bicentenary of William Smith’s pioneering geological map of England and Wales; HOGG and the Geological Society are already thinking about activities to commemorate this major event.

None of our events would succeed without the support of HOGG members who attend meetings and conferences, and encourage the committee members. We are open to ideas for meetings and articles, and to offers of help. My virtual door is open at john@geolmaps.com

John Henry
February 2012

HOGG COMMITTEE 2012

Chairman John Henry **Vice Chairman** Bob Symes **Secretary** Leucha Veneer
Treasurer Beris Cox **Ordinary members** Tony Brook, David Earle, Tom Hose, Richard Howarth,
Cherry Lewis, Tom Sharpe

Introducing the new committee members:

David Earle



David has a first degree in engineering geology and Masters in marine geotechnics and in geotechnical engineering. He is a chartered geologist and chartered engineer, and worked for many years at Wimpey Laboratories undertaking site investigations, hydrogeological work and materials surveys in the Middle East, Africa, North America and Europe. He is now self-employed and acts as a consultant engineering geologist to an environmental consultancy.

He has had a long-term general interest in the history of geology and served on the HOGG committee from 2008-2010. He is particularly interested in the history of applied geology and how this relates to social and industrial history, and especially the history of mining and how this affects present day development issues. The history of marine geology is a developing interest. He has recently completed an Open University degree in the History of Science, Technology and Medicine. He is a Portsmouth FC supporter and Hampshire CC member.

Tom Hose

Tom Hose initially trained as an earth scientist, with a BSc (Hons) in geology and geography (University of London), and is a Fellow of the Geological Society. He has a PGCE (University of Liverpool) in secondary geography and science education and an MA in Museum and Gallery Administration (City University) with a dissertation on the history of museum education. He undertook extensive fieldwork in the UK, Europe and the USA for his ground-breaking geotourism doctoral thesis (University of Birmingham). He has authored chapters for four Geological Society books and a major European geoconservation text, together with other book chapters, reports, articles, and conference papers on geotourism and geo-interpretation. He was the commissioning editor for a special volume on geotourism and geoconservation for the journal *Geoheritage*. His geotourism research ranges from interpretative provision evaluation to the history of landscape-based tourism. He frequently contributes, often by invitation, keynote conference addresses and practitioner workshops in the UK and Europe.



Tom has worked in museums (in curatorial and education posts, lastly as a head of service), schools (lastly as a head of geology) and universities (lecturing on leisure and tourism studies, with a special interest in arts, heritage and countryside management). He has been much involved in geoconservation schemes, such as the National Scheme for Geological Site Documentation and that for Regionally Important Geological and Geomorphological Sites (of which he is a Member of its Executive Committee and edits its national newsletter), over many years. He is also a Council Member and trustee for the British Institute for Geological Conservation. He is an Honorary Research Associate in the School of Earth Sciences, University of Bristol. He has extensive experience as a geologist and field naturalist, with considerable expertise in natural heritage conservation and environmental education. He is also an accomplished photographer with a strong commitment to outdoor recreation, bushcraft and the development of young persons through outdoor experiential learning.

Tom Sharpe

Tom Sharpe is Curator of Palaeontology and Archives in the Department of Geology at the National Museum of Wales in Cardiff. He was born in Glasgow and graduated from the universities of Glasgow and Leicester. He is a Fellow of the Geological Society and a Chartered Geologist. For 30 years, he has been heavily involved in interpreting and promoting geology through exhibitions, lectures, publications and field trips, and has contributed to a number of television and radio programmes. His field studies have taken him throughout the British Isles and Europe, as well as to the USA, Canada, Newfoundland, Iceland, Jamaica, the Canary Islands, the Middle East and Antarctica. Most recently he has been preparing an exhibition about Captain Scott's 1910-1913 British Antarctic Expedition, particularly its scientific work. In November and December last year, he joined an expedition on a trip to the Ross Sea with the aim of visiting Scott's hut. Read about his trip on the Geological Society of London's Blog.



HOGG AGM 2011

The officers' reports which were presented at the AGM held on 1st November 2011 during the Geology & Medicine meeting are reproduced here for the benefit of those members who did not attend.

HOGG AGM 2011 Secretary's Report

HOGG has had another good year, with several interesting meetings. These have included *Geological Collectors and Collecting*, held at the Natural History Museum in London in April. This saw an interesting range of events, including talks, tours and exhibitions and was well attended, not only by existing HOGG members but by others who have now joined. The conference on *Applied Geology*, which hosted the 2010 AGM, went well as seems to be the case with *Geology and Medicine*, which is hosting today's AGM.

The committee continues to plan meetings for the future, including an *Open Meeting* organized by Tony Brook, to be held at the Geological Society in March 2012. There will also be a big conference on *Geotourism* in the autumn, and HOGG has shared the organization of a conference on *Archibald Geikie*, to be held at the Haslemere Museum in April.

The committee has also begun in earnest the preparations for the symposia which will be included as INHIGEO's contributions to the 2013 ICHSTM Congress – the 24th International Congress of History of Science, Technology and Medicine – which will be held in Manchester (see the iCSHTM announcement for more information).

The Group's excellent publication record continues; a volume will come out of this conference on *Geology and Medicine*, and one is already being planned for the *Geotourism* conference. The committee continues to consider a more popular series of publications as well.

I would like to thank our current committee for contributing so much to HOGG over the past year, and especially those who are standing down: Dick Moody (Chair) and Martin Rudwick. John Henry will take over as Chair, with Bob Symes, Leucha Vener and Beris Cox remaining as Vice-Chair, Secretary and Treasurer respectively. New elections to the Committee this year are David Earle, Tom Hose and Tom Sharpe as ordinary members.

Leucha Vener
HOGG Secretary
1st November 2011

HOGG AGM 2011 Treasurer's Report

Summary statement of accounts for period 11/11/10 – 28/10/11 (prepared for AGM on 01/11/11)

Opening Balance 11/11/10	£6494.06		
<u>Income</u>		<u>Expenditure</u>	
Subscriptions ¹	2107.75	Newsletters ²	326.75
Applied Geology Meeting (Nov.10)	1254.50	Committee expenses ³	839.90
Collectors Meeting (Apr.11)	3136.50	Applied Geology.Meeting (Nov.10)	3253.90
Geol.& Medicine Meeting (Nov.11)	2835.00	Collectors Meeting (Apr.11)	2434.00
Co-operative a/c interest	2.13	Geol.&Medicine Meeting (Nov.11)	312.00
Santander repayments ⁴	118.51	Erroneous direct debit payments	47.32
PayPal surcharges	50.50	PayPal fees	53.96
British Gas donation	3000.00	Grant to C Lewis for trip to GSA meeting	265.00
	-----		-----
	£12504.89		£7532.83
	-----		-----
		Closing balance 28/10/11	£11466.12
	-----		-----
Total	£18998.95	Total	£18998.95

¹ includes some 2010 late payments; excludes subs paid as part of meetings' membership offers.

² printing and postage for newsletters 41, 42 and 43

³ travel to HOGG committee meetings (4), representative to Science Committee meeting (1)

⁴ reimbursement from Santander to cover erroneous direct debit payments made this year (£47.32) and last (£71.19)

The HOGG finances are managed through three bank accounts – Alliance & Leicester Commercial Bank (now Santander) current account (mainly for subscriptions), Co-operative Bank Community Directplus account (mainly for meeting revenues) and PayPal Business account (mainly for overseas payments and other credit/debit card payments). Balances on 28/10/11 are: Santander £4152.49, Co-operative £7243.77, PayPal £69.86.

It would assist the Treasurer and help keep HOGG's finances in good order if members who pay by cheque would do so promptly in January each year (due 1st January) or, even better, arrange to pay by standing order; forms are available from the Treasurer. A few members still need to upgrade their standing orders from £10 to £15; annual subscriptions have been £15 since January 2008.

Whilst subscription income continues to cover everyday running costs, HOGG finances are considered to be satisfactory. However, we need to consider introducing a surcharge for those members who receive their newsletters as hard copy.

	2009	2010	2011
Subscriptions	1739.00	2144.00	2107.75
Newsletters	301.64	229.90	326.75
Committee expenses	1127.44	1120.15	839.90
	-----	-----	-----
Total	£3168.08	£ 3494.05	£3274.40

Members are asked to advise the Secretary or Treasurer of changes in their contact details, particularly e mail addresses.

Beris M Cox
HOGG Treasurer
28th October 2011

HOGG SUBS FOR 2012 NOW OVERDUE

IF YOU HAVE NOT ALREADY PAID, PLEASE DO SO NOW.

SEND A CHEQUE FOR £15 (*payable to HOGG*) to the HOGG Treasurer (Dr B M Cox) 151 Browns Lane, Stanton-on-the-Wolds, Keyworth, Nottingham NG12 5BN

ALTERNATIVELY IF YOU USE E MAIL AND WISH TO PAY BY CREDIT/DEBIT CARD THROUGH HOGG'S PAYPAL ACCOUNT,

contact the Treasurer at beris.cox@btinternet.com

(5% surcharge applies but you do not need to have a personal PayPal account)

OVERSEAS MEMBERS HAVE ALREADY BEEN SENT PAYPAL INVOICES

A HISTORY OF GEOLOGY AND MEDICINE

David Earle¹ reports on last autumn's HOGG conference.

The HOGG autumn conference for 2011, an international gathering on the topic of Geology and Medicine, was held at Burlington House on 1st and 2nd November with excursions organized on the preceding and following days. Over 70 delegates registered for the conference which was convened by Richard Moody, Chris Duffin and Christopher Gardner-Thorpe and which included the novel elements of a platform discussion and translation services. The abstracts booklet (ISBN 978-1-61364-811-7) set a new high standard for content and presentation. Sponsorship for the meeting was provided by the British Gas Group and the Curry Fund of the Geologists' Association. A total of 29 papers were presented with contributors from thirteen countries. The two major conference themes were the history of the therapeutic use of geological materials, and the contributions of the many individuals who practised both medicine and geology.

A private guided tour by Harold Ellis of the Hunterian Museum at the Royal College of Surgeons was attended by 30 delegates. The museum holds a vast range of historical medical instruments, specimens and artwork, and provided an introduction to the work of the surgeon-anatomist John Hunter who, with his brother William, would feature in a number of the conference presentations.

DAY ONE of the conference included fourteen presentations in four sessions.

SESSION 1 EIGHTEENTH CENTURY PHYSICIAN/GEOLOGISTS was opened by **Jeff Liston** *Mixing Gynaecology with Geology: the vertebrate fossil collections of William Hunter* followed by **Christopher Gardner-Thorpe** and **Cherry Lewis** with the keynote address *James Parkinson (1755-1824)*. Links to John Hunter were described and the general points made that four of the thirteen Geological Society founders (including James Parkinson) were medical men and about 20% of the early membership were MDs.



Cherry Lewis and Christopher Gardner-Thorpe discuss Parkinson.

SESSION 2 EARLY MEDICINAL USES OF INORGANIC MATERIAL was opened by **Arthur MacGregor** *Terra sigillata: a historical, geographical and typological review* describing the properties of “sealed earth”, counterfeits, and the links with Paracelsus. **Efraim Lev** *The practical medicinal use of inorganic substances in Medieval Mediterranean according to the Cairo Genizah* related the importance of the Genizah collection of 250,000 manuscripts now scattered worldwide. **Joaquin Carrasco** and **Maria Linan** *A comparative study of the stomatological stones cited in the Kitab al-tasrif (Albucasis, 1000 AD)* included comparison of ancient and modern remedies in dental practice and the therapeutic uses of lime. The final paper in the session by **Nora Zergi** *Haematite in ancient-medieval medical treatises*, which was read in her absence by Chris Duffin, included the treatment of blood disorders and trachoma and the uses of sympathetic (magic) medicine.

SESSION 3 EARLY MODERN PHYSICIANS AND GEOLOGY comprised three presentations beginning with **Jakob Bek-Thomsen** *From flesh to fossils: Nicolaus Steno and the anatomy of the earth* dealing with the place of natural philosophy in early modern culture and the importance of Steno (1638-1686) – surely the only geologist to approach sainthood. **Evelien Chayes** *Conrad Gessner and Johannes Kentmann: two Early Modern physicians and their contribution to (Medical)*

Geology related the work of Gessner (1516-1565) and Kentmann (1518-1574) to the prevailing theology and philosophy. Finally, **Ella Hoch** *The realism of Ole Worm, portender of 'that enlightened and barbaric realm, Europe'* discussed the Danish pioneer of natural philosophy (1588-1654) and the cabinet of curiosities which he established.

The closing session of the day **FOSSILS, MINERALS AND MEDICINAL FOLKLORE** included five papers. **Eladio Linan et al.** *Cryptopalaentology: the fossils contained in ancient lapidaries and their magico-medicinal use* referred to the Ebers papyrus (1500BC) and the use of trilobite fossils against scorpion stings (sympathetic magic/medicine again).

Chris Duffin *The Gem Electuary* again referred to the Ebers papyrus and to Pliny and Galen. **Massimo Aliverti** *Religiousness and magic in lithoiatric practices of European folk medicine* was simultaneously translated by **Katriona Munte** and explored legends and myths. **Alessandro Porro et al.** *Vomiting Stones: Mental illness and Forensic Medicine in 18th Century Italy* explored the connections between religion, medicine and geology. **John Pearn's** talk *The Sunday Stone*, which was delivered by Christopher Gardener-Thorpe, dealt with the history of miners' diseases with an emphasis on coal mining. The "Sunday Stone" refers to the banded calcareous deposits in which the less contaminated intervals representing non-working Sundays can be distinguished.



Chris Duffin

The first day was completed with an enjoyable and well attended wine reception and conference dinner.

DAY TWO again comprised four themed sessions with fifteen presentations.

SESSION 5 GEOLOGY AND PUBLIC HEALTH began with **Beverley Bergmann** *The influence of geology in the development of public health* which dealt with the understanding of public health theories, prevention and treatments from Hippocrates (Airs, Waters and Places, c.400BC) to Victorian times. A paper from **Rais Akhtar** on soils and cancer in Kerala could not be given and was replaced by **Bernard Hubmann** and **Daniela Angetter** *Conrad Clar (1844-1904) and Theodor Posewitz (1851-1917): lives between geology and medicine* considering two practitioners professionally involved in both disciplines. **Aysegul Demirhan Erdemir** *Bursa in the history of Turkish hot spring and some samples (with the Ottoman Archive documents)* considered hydrotherapy in the ancient city of Bursa at one terminus of the Silk Road.

SESSION 6 FROM GALEN TO BIGSBY – GEOLOGICAL CONTRIBUTIONS THROUGH TWO MILLENNIA was opened by **Leonard Wilson** with the keynote address *John Jeremiah Bigsby, M.D. (1792-1881): Geological Pioneer in Canada* which described the huge volume of primary geological work undertaken by Bigsby whilst also acting as a full time medic. **Gillian Hull** *Porcelain, Pox and Angina pectoris* discussed the medical and geological work of John Wall (1708-1776), Edward Jenner (1749-1823) and Caleb Parry (1755-1822). **Miklos Kazmer** *Stones, fossils and the medical profession – a collectors' network in Early Modern Europe in support of the flood* dealt with international collaboration in exchange of information and specimens in the 17th and 18th centuries coordinated by Royal Society members, many of whom were medical men as well as natural philosophers. **Dimitrious Koutroumpas**



Leonard Wilson

was unable to give his paper *The Pharmaceutical use of Earths, Rocks and Minerals by Galen of Pergamum*, and the slot was filled at short notice by **Dick Moody et al.** *European Turtles, A historical perspective*. Amongst the many individual workers cited, there was reference to medical men from previous presentations Parkinson, Gessner and Mantell.



Ian Rolfe

SESSION 7 17TH CENTURY STUDIES comprised three presentations. **Ian Rolfe** *Materia medica in the seventeenth century Paper Museum of Cassiano dal Pozzo* described the Windsor Castle holdings of George III and the Lynxes Academy. **Maria do Sameiro Barroso** *Bezoar Stones, magic, science and art from the Late Middle Ages to the end of the 17th century* described the nature of these stones, their use as protection against poison and the issue of counterfeit stones. **Renzo Console** *Pharmaceutical use of gold in the 16th and 17th Centuries* was based on an extensive survey of medical literature of the 15th to 17th centuries.

The final session of the conference **19TH AND 20TH CENTURY PHYSICIANS AS GEOLOGISTS** involved five presentations and some late reorganization. **David Martill** and **Tony Pointon** *Arthur Conan Doyle: physician, author and first true populariser of pterosaurs*

considered the background to the 19th century enthusiasm for prehistoric creatures in fact and fiction. A late replacement for **K S Murty** *Medical professionals and their contribution to Indian Geology* was provided at short notice by **Katriona Munte** discussing a common language for the sciences of medicine and geology by symbols and signs. **Henry Guly** *Medical geologists during the Heroic Age of Antarctic exploration* considered examples of doctors acting as expedition geologists in the early scientific exploration of the South. **Simon Wills** *John Whitaker Hulke, Surgeon and Palaeontologist* was another late replacement presentation dealing with a polymath who was President of both the Geological Society and the Royal College of Surgeons. The final paper by **Lorenzo Lorusso et al.** *Geology, conservation and dissolution of corpses by Paolo Gorini (1813-1881)* described another polymath and his work including geology applied to human physiology and psychology.

A post-meeting excursion was undertaken by 11 delegates to Oxford museums related to the themes of the conference.

This was a successful, well organised and wide ranging conference which generated interest both within and beyond the HOGG membership by exploring the many relationships between medicine and geology. The proceedings of the conference will be published.

The meeting also hosted the HOGG AGM which is reported elsewhere in this newsletter.



At the Museum of the History of Science, Broad Street, Oxford

¹David Earle (e mail daearle@btinternet.com)

Photos © Chris Duffin

FUTURE HOGG EVENTS

* OPEN MEETING

Tuesday 20th March 2012

Burlington House, Piccadilly, London

Programme on page 10 of this newsletter. Registration form on page 24.

As a complement to Professor Bernard Leake's talk at this meeting, the Geological Society Publishing House will be offering GS Memoir 34 (*The Life and Work of Professor J W Gregory.....*) at a 30% discount (10% discount on GSL member rate) to those attending the meeting. A few copies will be available for purchase at Reception, but a flier/order form will be available for everyone at the meeting.

* IN THE FOOTSTEPS OF SIR ARCHIBALD GEIKIE

Friday 13th April 2012

Haslemere Educational Museum, Haslemere, Surrey

Joint meeting with Haslemere Educational Museum.

The Geikie Archive at Haslemere consists of letter books, artwork, field notebooks, geological specimens, letters, personal items, manuscripts and photographs.

Programme on page 11 of this newsletter. Registration form on page 25.

* APPRECIATING PHYSICAL LANDSCAPES: GEOTOURISM 1670 -1970

22nd - 25th October 2012

Burlington House, Piccadilly, London

Geological Society-supported meeting.

Call for papers on page 12 of this newsletter.

This meeting will include a full day field excursion, based on an old Geologists' Association trip with its niceties of tea and cake etc., from London to the seaside to look at classic geotourism sites both en route and at the final destination. There will be an opportunity to visit some interesting buildings and museums/art galleries as well.

* PILTDOWN 100 YEARS ON

Wednesday 12th December 2012

Burlington House, Piccadilly and Natural History Museum, South Kensington, London

Geological Society-supported meeting.

This meeting will celebrate the centenary of the presentation of the original Piltdown paper at the Geological Society on 18th December 1912.

Details in next (June) newsletter.

* GEOLOGY IN THE COURTYARD

2013 Date to be advised.

Burlington House, Piccadilly, London

A look at geological aspects of and historical links between the learned societies (Antiquaries, Astronomical, Chemistry, Linnean) and Royal Academy of Arts which are based with the Geological Society in the Burlington House complex.

* METALLIFEROUS MINING IN THE SOUTH-WEST AND ITS LEGACY

November 2013

HOGG OPEN MEETING

Tuesday 20th March 2012 at Burlington House

PROGRAMME

9.00 – 9.30

REGISTRATION

9.30 – 10.00 **John Mather** *The French industrial spy Le Turc (1748-1800) and water-well drilling in late 18th century Britain*

10.00 – 10.30 **John Lonergan** *Geological problems of building the London to Brighton railway 1835-1841*

10.30 – 10.50

COFFEE BREAK

10.50 – 11.20 **Anthony Brook** *John Martin and the artistic search for the ‘Scientific Sublime’*

11.20 – 11.50 **Martin Whyte** *Samuel Beckles and those fossil footprints at Fairlight*

11.50 – 12.20 **William George** *Historic images of the geological heritage of Essex*

12.20 – 12.50 **Philip James** *Some fascinating aspects of Victorian geology books*

12.50 – 1.40

LUNCH BREAK

1.40 – 2.10 **Paul Kabrna** *John Milne (1850-1913): father of modern seismology*

2.10 – 2.40 **Bernard Leake** *John Gregory (1864-1932): geologist, writer and explorer*

2.40 – 3.10 **Gareth Dyke** *Franz Nopcsa (1877-1933): dinosaur baron of Transylvania*

3.10 – 4.00 ***KEYNOTE*** **Peter Forey** *‘Old Four Legs’: scientists, coelocanths and controversies*

4.00 – 4.20

TEA BREAK

4.20 – 5.10 ***KEYNOTE*** **Jan Zalasiewicz** *The Anthropocene: the current geological period of time?*

5.10 – 5.30 **Tony Brown** *Is the ‘Anthropocene’ really necessary?*

5.30 – 5.40

SHORT BREAK

5.40 – 6.10 **David Greenwood** *Geological site survey of a post-war steelworks in Sheffield*

6.10 – 6.40 **Jane Randle** *Ian Gass and plate tectonics at the Open University in 1971*

REGISTRATION FORM ON PAGE 24



IN THE FOOTSTEPS OF SIR ARCHIBALD GEIKIE

A meeting to be held at Haslemere Museum,
78 High Street, Haslemere, Surrey GU27 2LA

HISTORY
OF
GEOLOGY
GROUP

Friday 13th April 2012

PROGRAMME

- 10.00 – 11.30** Registration in Haslemere Room and early-bird viewings of Sir Archibald Geikie Archive displays in Education Room. Coffee and biscuits in Annexe.
- 11.30** Introduction and welcome. *Bernard Coe, President of the Museum and Professor Richard Moody (on behalf of HOGG).*
- 11.45** The Geikie Archive at Haslemere Museum: past, present and future. *John Betterton and Julia Tanner*
- 12.15** Archibald Geikie, the geological polymath, and his correspondents (via glimpses from his copy letter books at Haslemere Museum). *John Diggins*
- 12.45 – 14.30** **LUNCH BREAK** in Haslemere (several restaurants available), and an optional walk to Geikie's grave in St Batholomew's Graveyard (30 mins).
- 14.30** Geikie as an artist. *Dr Mike Romano*
- 15.00** A controversial walk: Kinlochewe to Loch Broom in the 19th century. *Dr Richard Morgan, Professor Rob Butler and Dr Tim Needham*
- 15.30 – 16.00** **AFTERNOON TEA** and final visits to Geikie Archive displays.
- 16.00** Geikie and the Highland controversy. *Professor John Dewey*
- 16.30** British hydrogeology 1870-1914 and the influence of Archibald Geikie. *Professor John Mather*
- 17.00** Concluding summary of the meeting. *John Diggins*
- 17.10 – 18.30** "WINE INTERVAL" in the Museum followed by
- 18.30 – 22.00** "HOGG ROAST DINNER" in the Museum and Grounds.

CARRIAGES (last train from Haslemere to London leaves at 23.15)



REGISTRATION FORM ON PAGE 25

October 22nd-23rd, 2012

Appreciating Physical Landscapes: Geotourism 1670–1970

The Geological Society, London

Geotourism's burgeoning literature has tended to focus on descriptions and case studies of modern interpretative and promotional provision in protected areas and geoparks. The significant historical antecedents of modern geotourism in Britain and Europe are comparatively neglected in the literature. Whilst these antecedents can be traced back to the elite 17th century travellers who ventured into wild landscapes and visited caves and mines, early modern geotourism, with many of the features of its present-day provision, can be recognised if not so named from the opening of the 19th century. This latter period more than coincided with the emergence of modern scientific geology and the beginnings of excursion tourism; the organised publication of regional geology guide-books and geology field excursions followed from the first quarter of the nineteenth century. The conference's timeframe opens with the early reportage of elite travellers and the publication of the first travellers' guide-books and closes at the cusp of modern landscape and geoconservation measures, such as national parks, areas of outstanding natural beauty, national nature reserves, and the emergence of environmental interpretation and modern countryside leisure as forerunners to modern geopark provision.



*Lithograph of Käse-grottee at Bad Bertrich
from Dr. August Goldfuss' Naturhistorischer Atlas, 1826*

Call for papers

Title, abstract (up to 500 words) and an associated image to be submitted by 30th April 2012. Please forward abstracts to Tom Hose:

gltah@bristol.ac.uk

For further information about the conference, please contact:

Conference Office, The Geological Society,
Burlington House, Piccadilly,
London W1J 0BG

T: 020 7434 9944 F: 020 7494 0579

E: registrations@geolsoc.org.uk

W: www.geolsoc.org.uk/geotourism12

Conference Organiser:

Tom Hose, *University of Bristol, UK*

HOGG MEMBER WINS J B HARLEY RESEARCH FELLOWSHIP IN THE HISTORY OF CARTOGRAPHY

In January, the trustees of the J B Hartley Research Fellowships Trust Fund announced the nineteenth series of awards offering support to assist research in the map collections of the United Kingdom. HOGG member Dr Karen Cook (Spencer Research Library, University of Kansas, USA) has received an award for *Reinventing George Bellas Greenough as a Map Designer* (2 weeks).

For details of past awards and extracts from previous Fellows' reports, see <http://www.maphistory.info/harlflws.html> This also contains information about applying for a Fellowship (closing date 1st November each year) and about making a donation to support the work of the Trust.

JOHN FULLER FOUNDER MEMBER OF HOGG

It is with sadness that we record the death of Dr John Fuller who was a founder member of HOGG. John passed away on 20th January 2012, at his home in Tunbridge Wells, Kent, aged 85.

A full obituary, together with some of John's own recollections of the founding and early years of HOGG, will appear in the next (June) Newsletter.

OBITUARY

Gerald (Gerry) M. Friedman 1921 – 2011

Gerry Friedman, sedimentologist, Earth sciences historian, Fellow of the Geological Society of London and HOGG member, was born in Berlin in 1921. His formal education there was interrupted by the Nazi's rise to power and their attack on Jewish businesses. In 1938, he fled to England where he worked as a farm labourer while attending Cambridge University part-time. When World War II broke out in 1939, he was interned on the Isle of Man. He was released for emigration to the USA but, instead, was sent to London to work as a firefighter and night baker, a period which included the Blitz of 1940. In 1942, he took time off in order to study and pass exams which would allow him to enrol at the University of London. In 1945, after gaining a bachelors degree in chemistry with geology, he emigrated to the USA. There he worked as a chemist in the pharmaceuticals industry before enrolling at Columbia University in New York where, in 1952, he completed a masters degree and doctorate in geology. During this time, he also taught geology at the University of Cincinnati. In 1954, he left academia to prospect for uranium in Ontario and in 1956 joined Amoco as a research geologist.



(Photo: AAPG)

With his reputation well established as a sedimentologist, Friedman returned to academia by joining the Rensselaer Polytechnic Institute in Troy, New York, the 'birthplace of North American geology', where he taught from 1964 until 1984. He studied carbonate rocks and sediments in the Middle East (in Israel, he became known as 'the father of petroleum geology'), the Bahamas and the Mediterranean, as well as global tectonics. He worked in Libya, Kuwait and Algeria; these Arab

countries overlooked the fact that he was Jewish because “he was so good”. His book *Principles of Sedimentology*, written with John Sanders and published in 1978, became a standard text in its field. In Troy, he established the Northeastern Science Foundation, a non-profit educational and research corporation and, in 1982, co-founded the History of Earth Sciences Society (HESS) as well as starting its journal *Earth Sciences History*. From 1985 to 2004, he taught at Brooklyn College (City University of New York) which, in 1988, granted him Distinguished Professor status. He won almost all the top awards in his field including the Twenhofel Medal (SEPM), the Sidney Powers Medal (AAPG) and the Legendary Geoscientist award (AGI). He died peacefully in his sleep on 29th November 2011 aged 90.

Gerry Friedman also had a long association with the Geological Society of London and, in 2007, with his wife Sue, he celebrated its bicentenary by attending the HOGG Bicentenary meeting. In 1987, he established, by a gift of the Northeastern Science Foundation Inc. of Troy, New York, a Geological Society award for distinguished contributions to the recording of the history of geology. Dedicated to his wife, the Sue Tyler Friedman Medal is not confined to those with a geological background or to



(Photos: Geological Society of London)

Fellows of the Geological Society of London. It is awarded annually, or at such intervals as Council may determine, on a world-wide basis without regard to nationality. Past recipients have been:

Martin Rudwick (1988)
 Stephen J. Gould (1989)
 William A. S. Sarjeant (1990)
 Hugh S. Torrens (1991)
 François Ellenberger (1992)
 Thomas G. Vallance (1993)
 David R. Oldroyd (1994)
 Homer E. Le Grand (1995)

Gordon L. Herries Davies (1996)
 Martin Guntau (1997)
 Kenneth L. Taylor (1998)
 James A. Secord (2000)
 Rhoda Rappaport (2003)
 Ursula Bailey Marvin (2005)
 Jack Morrell (2007)
 Philippe Taquet (2009)

In the next HOGG newsletter (June 2012), we hope to announce this year’s award winner.

Sources

Friedman, G M 2006. *Saxa Loquuntur* (Rocks Speak): The life and times of the geologist, Gerald M. Friedman. SEPM Foundation.

<http://www.geralfriedman.com/obituary/gmf>

<http://www.geotimes.org/jan06/profiles.html>

http://foundation.aapg.org/TrusteeAssociates/obits/Obituary_Gerald_Friedman.cfm

<http://www.geolsoc.org/gsl/society/awards>

INHIGEO

David Oldroyd, Vice-President INHIGEO (for Australasia and Oceania) reports on changes to the INHIGEO constitution which previously limited the number of members per country to 11. This is an updated version of David's article in Newsletter 42 (June 2011).



INHIGEO is the only truly international body concerned with the history of geology and related sciences. It fosters international collaborations and friendships through its annual conferences in different countries, its annual *Newsletter* and occasional monographs, which generally arise from conference proceedings. Currently there are 231 members from 41 countries. Established in Yerevan, Armenia, in 1967, INHIGEO is one of the Commissions of the International Union of Geological Sciences (IUGS), which is the international body that ‘co-sponsors’ the International Geological Congress (IGC) and defines many geological standards (e.g. ‘golden spikes’). Not only did IUGS establish INHIGEO, it also finances its ongoing operations. INHIGEO is also an affiliate of the International Union of the History and Philosophy of Science (IUHPS), which also provides a modest supporting grant. It is administered by a Board of Management that consists of an elected President and Secretary-General, and Vice-Presidents for Europe, North America, South America, Asia, and Australasia/Oceania, and the *Newsletter* Editor. There is no membership fee.

In August 2011, INHIGEO held its annual conference at Aichi University near Toyohashi, Japan. In August 2012, in accordance with its long-established practice, INHIGEO will hold its conference in association with the International Geological Congress in Brisbane, Australia. **Most importantly for HOGG members, in July 2013 INHIGEO will convene its annual conference as part of the International Congress on the History of Science Technology and Medicine (iCHSTM) in Manchester, UK (see page 17 of this newsletter).** Further conferences are planned for the USA, China, South Africa, Mexico, and Armenia.

With its strong links to the IUGS, INHIGEO members contribute regular historical articles to *Episodes*, the Union’s quarterly journal, providing material for its ‘Classic Papers in Geology’ series, accounts of past meetings of the International Geological Congress, INHIGEO Conference Reports, and occasional book reviews. In addition, most INHIGEO conferences serve as the basis of a book or monograph (either as a refereed book of *Proceedings* produced by the host countries, as commercial publications, or *Special Publications of the Geological Society*). The annual *INHIGEO Newsletter*, published in English only, has grown to 139 pages in 2011. The publication contains reports/notices of meetings, general history of geology news, short history of geology articles, book reviews (including numerous non-English books), obituaries, and reports from INHIGEO members about their history of geology activities in the preceding year.

Until 2011, INHIGEO membership was restricted to eleven members per country. But at its recent business meeting in Toyohashi, it decided to remove this restriction, with the result that at the next membership ballot, scheduled for February/March 2012, any “scientist or other scholar known for their publications and/or other activities in the field of the history of geological sciences” may be nominated. A postal ballot will then be held amongst all current INHIGEO members. **Thus INHIGEO is now inviting membership nominations from all interested British scientists or other scholars known for their activities in the field of history of geology. Nominations should be supported by one or two current British INHIGEO members. A nomination form follows on page 16.** INHIGEO looks forward to a close and fruitful collaboration with HOGG for the IUHPS Congress in Manchester in 2013. For further information about INHIGEO, please visit www/inhigeo.org .

David Oldroyd, Vice-President INHIGEO (for Australasia and Oceania) doldroyd@bigpond.com

INHIGEO MEMBERSHIP NOMINATION FORM



MEMBERSHIP NOMINATION DETAILS

NAME (in capitals) Country

Date of birth

Address

Telephone number

E-mail address

Tertiary qualifications (with institutions and dates)

Positions held (with dates)

Areas of interest / expertise in geology (e.g. sedimentology, vulcanology)

Scientific publications (summary, in 1–3 lines)

Areas of interest in the history of geosciences

Publications in the history of geosciences (please give a complete list)

Languages known (please specify reading or speaking knowledge, or both)

Nominators

A current INHIGEO member in the UK; and any other INHIGEO member

(The nomination will require the support of a current INHIGEO Board Member, but the nominee is not asked to seek such support.)

Please post a version of this form, providing the requested information, to the INHIGEO Secretary General, Dr Barry Cooper, 20 Royal Avenue, Burnside SA 5066, Australia (barry@ananian-cooper.com).



2013 INHIGEO CONFERENCE MANCHESTER



All HOGG members are invited to attend or participate in the 2013 INHIGEO CONFERENCE which will take place as part of the 24th International Congress of History of Science, Technology and Medicine (iCHSTM) to be held in Manchester from **Monday 22nd to Sunday 28th July 2013**. iCHSTM is the largest event in the history of science and takes place every four years. Recent meetings have been held in Mexico City (2001), Beijing (2005) and Budapest (2009).

The 2013 INHIGEO CONFERENCE is being organized by the HOGG committee working with several UK INHIGEO members. They are planning an exciting schedule of symposia and field trips. The proposed symposia are

1. ***Geologists in the Field***. Convenors: Leucha Veneer (UK) and Martina Kölbl-Ebert (Germany). This Symposium will explore the history of geological and geophysical fieldwork, examining the work of individuals, research groups and commercial explorers in all areas of the world, from all periods of history.
2. ***Geology in Art and Literature***. Convenors: Ralph O'Connor (UK) and Noah Heringman (USA). This Symposium will explore the historical relationship between the Earth sciences and the production of art and literature around the world, primarily from the late eighteenth century to the present day.

The proposed field trips are

1. ***The Silurian of 'Siluria' and the idea of a Palaeozoic Era***. Leaders: Martin Rudwick and Hugh Torrens.
2. ***Buxton Spar and Spa***. Leader: Tom Hose.
3. ***Ruskin's Geology***. Leaders Alan Bowden and David Oldroyd.



(Photo: GeoExPro)

The iCHSTM website is now live (www.ichstm2013.com) and registration will open on 31st March 2012. See **Key Dates** on the iCHSTM website. The conference theme is *Knowledge at Work*.

All Congress venues and key elements of the social prior programme have been booked, such as receptions at Manchester Town Hall and the Museum of Science and Industry, and the conference dinner at Old Trafford football ground. Congress facilities will be provided by the University of Manchester, with field trips, tours and displays on local scientific, technological and medical heritage co-ordinated by members of the University's Centre for the History of Science, Technology and Medicine.

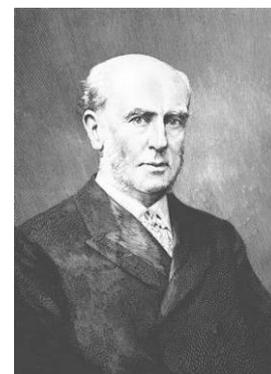
A First Circular with additional information and inviting Expressions of Interest, will be circulated soon, and will be posted on the HOGG webpages (www.geolsoc.org.uk/hogg).

Sir Archibald Geikie: “pioneer historian of geology”

Anthony Brook¹

Ahead of the joint HOGG meeting at Haslemere in April, Anthony Brook offers this listing of Geikie’s writings which pertain to the history of geology.

Sir Archibald Geikie (1835-1924) was possibly the most important British geologist of the late 19th / early 20th century. Edinburgh-born and bred, classically-educated Geikie was recommended by Hugh Miller to Sir Roderick Murchison for appointment to the Geological Survey of Scotland as an enthusiastic 20-year old in 1855, and remained with the Geological Survey until retirement in 1901, the last 19 years as a rather autocratic Director-General. Simultaneously, from 1871-82, he held the newly-endowed Murchison Chair in Geology at Edinburgh University. His main research interest was volcanic phenomena and igneous rocks, culminating in the masterful *The Ancient Volcanic Rocks of Great Britain* (1897); and he became embroiled in several geological controversies of the time---the North-West Highlands, and the volcanoes of Skye. He was elected President of the Geological Society for two terms (1890-92 and 1906-08, covering the centenary celebrations of 1907) and, moreover, President of The Royal Society for 1908-1912---the only geologist so far thus honoured. He was knighted in 1891 and received the highest honour, the very exclusive Order of Merit in 1913; the same year he went to live, in retirement, in Haslemere, Surrey, where he died in November 1924.



(Photo: Wikimedia Commons)

Towards the end of his extensive entry on Geikie in the *Oxford Dictionary of National Biography* (2004, Vol. 21, 721-23), David Oldroyd expresses his opinion that “today, Geikie is perhaps more highly regarded as a pioneer historian of geology than as a geologist”. In 1974, Eric Cutter published a comprehensive bibliography of Geikie’s publications in the *Journal of the Society for the Bibliography of Natural History* Vol. 7, 1974, 1-18, which “includes his books, contributions to books and encyclopaedias, periodical articles, published correspondence and verbatim reports of lecture and contributions to discussions”. The 246 items in this list are arranged in chronological annual order, from 1849 to 1924, then alphabetically, and range widely over Geikie’s interests beyond just geology, such as Scottish history, landscape evolution, and science in education. As early as 1858, Geikie published *The Story of a Boulder: or, gleanings from the notebook of a field geologist*: His last publication was *A Long Life’s Work: an Autobiography*, published in the year of his death.

Bearing in mind Oldroyd’s characterisation of Geikie as a pioneer historian of geology, and Cutter’s extensive bibliography, I would like to present those publications of Archibald Geikie that bear most strongly upon Oldroyd’s epithet, for the use and benefit of contemporary historians of geology. Geikie is best known for his influential *Founders of Geology* (1897; 1905) which was the first attempt to provide a coherent framework for the development of the science of geology, although it is very anglocentric. In his long lifetime, he also published five biographies, most notably that of Murchison in 1875; 15 articles and essays, with the two on the Geological Society being particularly important; and 20 obituaries of fellow geologists of his generation. His two volumes of collected essays contain much of value for historians in general, and those of geology in particular; his essays are always very well written, as Geikie was well trained and versed in the easy flowing style of the ‘essayists’.

Two aspects of historical perspective interact in Geikie’s writings: from his own lifetime, he was looking back in time, at people, places and events of many previous decades; from our current

perspective, what he wrote about his own contemporaries, places and the events of his long and active life are now historically significant.

A) BOOKS

The Founders of Geology. London, Macmillan, 1897, viii + 297pp.

Based on six lectures given to inaugurate the Williams Lectureship at John Hopkins University, Baltimore 1896. Review in *Nature*, 57 (1897) 169-171.

2nd edition, 1905, xi + 486pp. Preface. "I have departed from the original form of lectures, and from the restricted treatment of the subject which a short course of lectures necessarily involved."

B) BIOGRAPHY

1. *Memoir of Edward Forbes late Regius Professor of Natural History at the University of Edinburgh*. London, Macmillan; Edinburgh, Edmonston and Douglas, 1861, x + 589pp., plus frontispiece portrait. Appendix: List of Professor Forbes' writings. Chapters 1-6 by George Wilson; Chapters 7-15 by Archibald Geikie.
2. *Memoir of the late James David Forbes* [Principal of the University of St Andrews]. Edinburgh, T. Constable, 1869, 38pp. "List of the scientific writings of the late Principal Forbes", 27-38. Abstract in *Geological Magazine*, 6 (1869), 137-139.
3. *Life of Roderick Murchison, based on his journals and letters, with notices of his scientific contemporaries, and a sketch of the rise and growth of Palaeozoic Geology in Britain*. London, John Murray, 1875, 2 volumes, portraits and plates. Bibliography: Volume 2, 353-367. Review in *Nature* 12 (1875), 1-3 and 20-24.
4. *Memoir of Sir Andrew Crombie Ramsay*. London, Macmillan, 1895, x + 397pp., plus frontispiece portrait. Bibliography: 367-379. Review in *Nature* 51 (1895), 385-386.
5. *Memoir of John Michell*. Cambridge University Press, 1918, 107pp. [John Michell was Woodwardian Professor of Geology in the University of Cambridge 1762-1793].

C) ARTICLES and ESSAYS

1. *The Scottish School of Geology*. Edinburgh, Edmonston and Douglas, 1871, 27pp. Abstract in *Nature* 5 (1871), 37-38 and 52-55. Reprinted in *Geological Sketches at Home and Abroad*. 1882. 286-311.
2. [Earth sculpture, or the Huttonian school of geology]. *Transactions of the Edinburgh Geological Society*, 2 (1874), 247-267. Opening address of 1873-74 Session, delivered 6th November 1873. Also in *Nature*, 9 (1873), 50-52, 89-91 and 110-112. Reprinted as *Earth Sculpture and the Huttonian School of Geology*. 1874. 21pp.
3. [Charles Darwin's] work in geology. in *Charles Darwin: memorial notices reprinted from 'Nature'*. 1882. 15-28.
4. The life and letters of Charles Darwin. *Contemporary Review* 52 (1887), 757-769. Reprinted in *Landscape in History*. 1905. 234-256.
5. [James Hutton's 'Theory of the Earth and its influence']. Report of the 62nd meeting of the British Association for the Advancement of Science at Edinburgh. 1892. 3-26. Presidential address to the British Association for the Advancement of Science, 3rd August 1892. Reprinted in *Nature*, 46 (1892), 317-323; and as "The centenary of Hutton's *Theory of the Earth*" in *Landscape in History*. 1905, 158-197.
6. Summary of the scientific work of Sir Joseph Prestwich. in *Life and letters of Sir Joseph Prestwich* written and edited by Grace Ann Prestwich. Edinburgh and London. William Blackwood and Sons. 1899, 402-421.
7. Hugh Miller: his work and influence. Address at the centenary celebrations of the birth of Hugh Miller, Cromarty, 22nd August 1902. *Nature* 66 (1902), 426-430.
8. Lamarck and Playfair: a geological retrospect of 1802. Address to a meeting of the Alliance Française at the Sorbonne, Paris, 26th February 1906. *Geological Magazine*, new series, Decade 5, 3 (1906), 145-153 and 193-202.
9. The published work of The Geological Society during the first century of the Society's

existence. Anniversary address of the President, 21st February 1908. *Quarterly Journal of the Geological Society*, 64 (1908), lxxix-cxxv.

10. *Charles Darwin as Geologist: the Rede Lecture given at the Darwin Centennial Commemoration on 24th June 1909*. Cambridge University Press. 1909. 91pp.
11. The pioneers of geology in the Glasgow district. *Transactions of the Geological Society of Glasgow*, 13 (1909), 391-408. Address given at the Jubilee of the Geological Society of Glasgow, 28th January 1909.
12. The state of geology at the time of the foundation of the Geological Society. in *The centenary of the Geological Society of London* celebrated September 26th to October 3rd 1907. London. Longmans, Green & Co. 1909. Chapter IV, 107-131. Presidential address of 26th September 1907.
13. Charles Lyell and Forfarshire geology. in *Handbook and Guide to Dundee and district*. Dundee. British Association for the Advancement of Science. 1912. 417-422.
14. A Canadian memorial to Hugh Miller. *Nature* 95 (1915), 479.
15. [Edward Forbes.] in *Edward Forbes's centenary commemoration, February 13th, 1915*. London. London Manx Society. 1915. 12-20.

D) OBITUARIES

- | | |
|-------------------------------------|--|
| 1. James David Forbes (1870) | 11. Ferdinand Fouqué (1904) |
| 2. Lady Murchison (1870) | 12. Dr William Thomas Blanford (1905) |
| 3. Sir Roderick Murchison (1871) | 13. Ferdinand, Baron von Richthofen (1907) |
| 4. Elie de Beaumont (1874) | 14. Albert de Lapparent (1908) |
| 5. Sir Charles Lyell (1875) (1877) | 15. Alfred Newton (1908) |
| 6. Sir William Logan (1875) | 16. Henry Baker Tristram (1908) |
| 7. James Nicol (1880) | 17. Henry Clifton Sorby (1908) |
| 8. Ami Boué (1881) | 18. Sir John Evans (1908) |
| 9. Duke of Argyll (1900) | 19. Sir John Murray (1914) |
| 10. Alphonse François Renard (1903) | 20. Professor Edward Hull (1917) |

E) AUTOBIOGRAPHY

A long life's work: an autobiography. London. Macmillan. 1924. xii +426pp., plus frontispiece and portraits.

F) COLLECTED ESSAYS

- 1) *Geological Sketches, at Home and Abroad*. Macmillan. 1882, x + 382pp. 29 illustrations.
 - i. My First Geological Excursion. *Good Words*. 1861. 1-25.
 - ii. The Old Man of Hoy. *Geological Magazine*. 1878. 26-45.
 - iii. The Baron's Stone of Killochan. *Macmillan's Magazine*. 1868. 46-67.
 - iv. The Colliers of Carrick. *Good Words*. 1873. 68-85.
 - v. Among the Volcanoes of Central France. *Vacation Tourists and Notes of Travel in 1861*. Macmillan & Co. 86-126.
 - vi. The Old Glaciers of Norway and Scotland *Proceedings of the Royal Society of Edinburgh January 1866*. 127-166.
 - vii. A Fragment of Primeval Europe. *Nature*. August 1880. 167-181.
 - viii. Rock-Weathering measured by the Decay of Tombstones. *Proceedings of the Royal Society of Edinburgh*. 1880. 182-204.
 - ix. In Wyoming. *Macmillan's Magazine*. 1881. 205-234.
 - x. The Geysers of the Yellowstone. *Macmillan's Magazine*. 1881. 235-273.
 - xi. The Lava-Fields of Northwestern Europe. *Nature*. November 1880. 274-285.
 - xii. The Scottish School of Geology. *Inaugural Lecture, University of Edinburgh, 6th November 1871*. 286-311.
 - xiii. Geographical Evolution. *Evening Lecture, Royal Geographical Society, 24th March 1879*.

312-352.

xiv. The Geological Influences which have affected the course of British History. *Macmillan's Magazine*. March 1882. 353-382.

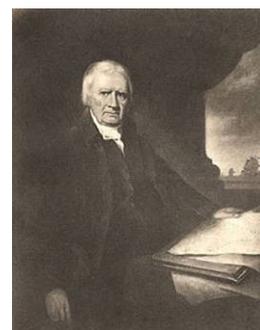
2) *Landscape in History and other Essays*. Macmillan. 1905. viii + 352pp. [no illustrations].

- i. Landscape in History. *Address to the Oxford Scientific Club*. 1887. 1-27.
- ii. Landscape and the Imagination. *Fortnightly Review*. April 1893. 28-75.
- iii. Landscape and Literature. *Types of Scenery and their Influence on Literature*. *The Romanes Lecture in the Sheldonian Theatre, Oxford*. 1st June 1898. 76-129.
- iv. The Origin of the Scenery of the British Islands. *Abstracts of five lectures at the Royal Institution*. January-March 1884. *Nature* 29, 325,347,396, 419, 442. 130-157.
- v. The Centenary of [James] Hutton's 'Theory of the Earth'. *Presidential address to the British Association for the Advancement of Science at the Annual Meeting, held in Edinburgh, 1891*. 158-197.
- vi. Geological Time. *Presidential address to the Geology Section of the British Association for the Advancement of Science at the Dover Meeting, 1899*.198-233.
- vii. The Life and Letters of Charles Darwin. *Contemporary Review*. December 1887. 234-256.
- viii. Hugh Miller: His Work and Influence. *Address at the Centenary Celebration of Miller's Birth held at Cromarty. 22nd August, 1902*. 257-281.
- ix. Science in Education. *Address to students at Mason University College, Birmingham on 4th October 1898*. 282-307.
- x. The Roman Campagna. *International Quarterly*. June 1904. 308-352.

¹ Anthony Brook e mail: anthony.brook27@btinternet.com

JOHN CLERK OF ELGIN

This year sees the 200th anniversary of the death of John Clerk of Eldin (1728-1812). Geoffrey Bertram is preparing a publication on Clerk's etchings dating from 1770-1779. These are mainly topographical depicting the castles and ruins of Scotland. However Clerk was a friend of James Hutton and provided the illustrations for Hutton's *Theory of the Earth* (1788; 1795). Geoffrey is curating an exhibition that will be seen at the City Art Centre in Edinburgh from November 2012 to late January 2013 after which it will go to the Fleming Collection Gallery in London.



He has also set up a website at www.clerkofeldin.com If anyone would like to add/list/link anything relating to Clerk's geological illustrations or activities to the website, please contact Geoffrey Bertram at geoffrey@clerkofeldin.com or tel. 01823 413388.

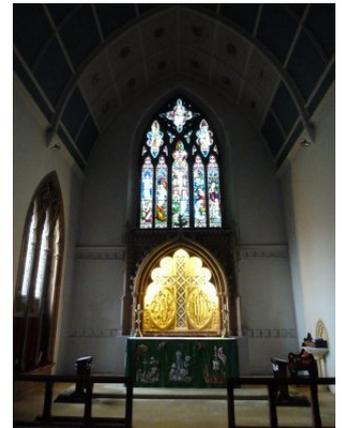
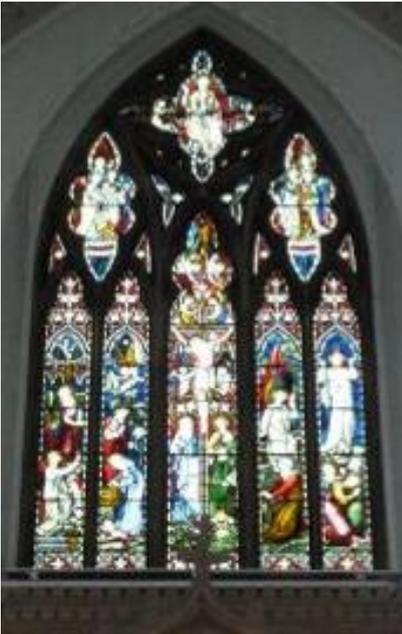
A MEMORIAL TO SAMUEL WILBERFORCE

David Earle¹



Although Alverstoke in Hampshire was my home for a long period, I only recently found out that it has a connection with Samuel Wilberforce (1805-1873) who, in 1860, famously attacked Charles Darwin's theory of evolution in an exchange with the biologist Thomas Huxley. Prior to his appointment as Bishop of Oxford (1845-1869) and then Winchester (1869-1873), Wilberforce was rector at St. Mary's, the parish church of Alverstoke, from 1840 to 1845.

He was obviously well thought of because, in 1875, one of his successors, the Rev. Thomas Walpole, ordered the construction of the eastern window of the church, above the altar, as a memorial to Wilberforce. Disappointingly perhaps, the very beautiful stained glass window does not portray the Bishop smiting Darwin! The window is fully described in the National Association of Decorative and Fine Arts Societies (NADFAS) church recorders' register with the reference number of 700.



Samuel was the third son of William Wilberforce (1759-1833; politician and antislavery campaigner) and followed the family tradition of philanthropy by founding the Alverstoke Village School. Whilst at Alverstoke, he was appointed Chaplain to Prince Albert which was perhaps the first step in his rise in the Church.

REFERENCES

An Alverstoke Alphabet. A St. Mary's Church Publication. 2011.
G H Williams *Rectors of Alverstoke*, Gosport Records No 10, Gosport.

(Photos © DAE)

¹David Earle (e mail daearle@btinternet.com) with thanks to Peter Camp of St Mary's.

THE GEOLOGICAL SOCIETY LIBRARY'S "SPONSOR-A-FISH!" PROJECT

*An update on the GSL Library's project to conserve and digitize one of its most important collections
(see HOGG Newsletter 43).*

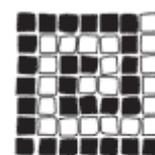
The Geological Society Library's appeal to conserve and digitize the 2000 drawings in the fossil fish collection of Louis Agassiz continues after a very successful first six months. By sponsoring a fish for £20, or giving a larger donation, Fellows and Friends of the Geological Society, as well as members of the public, have helped to raise £5400, putting the campaign well on its way to reaching its target of £20,000. Many fish were sponsored as birthday gifts or in memory of loved ones who had been especially interested in geology or palaeontology. If you would like to sponsor a fish, please contact Michael McKimm in the Geological Society Library, or download a sponsorship form at www.geolsoc.org.uk/sponsorafish



FUTURE MEETINGS OF OTHER BODIES

**SUSSEX ARCHAEOLOGICAL SOCIETY
ANNUAL CONFERENCE
SATURDAY 22ND SEPTEMBER 2012
LEWES TOWN HALL**

***THE PILTDOWN CENTENARY: DISCOVERY AND DECEIT IN
ANCIENT SUSSEX***



**SUSSEX
PAST**

More details in the next (June) HOGG newsletter.

HOGG OPEN MEETING
Geological Society, Piccadilly, London
20th March 2012
REGISTRATION FORM

I wish to register for this HOGG Open Meeting:

Name:

Postal Address:

.....

.....

Tel. No.:

E mail address:

Meeting fee: HOGG members.....£15

GA and OU Geol.Soc. members £20

Students.....£10

Others.....£25 or £35*

*£35 will give you HOGG membership for 2012 (annual subscription £15) and the benefit of the reduced members' rate for other HOGG meetings in 2012.

Please return the completed form and cheque (*payable to HOGG*) to the meeting organiser:

Anthony Brook, 15 Cambourne Court, Shelley Road, Worthing BN11 4BQ



**IN THE FOOTSTEPS OF
SIR ARCHIBALD GEIKIE**
Haslemere Museum, Haslemere, Surrey
13th April 2012

**HISTORY
OF
GEOLOGY
GROUP**

Registration Form

NAME:.....

ADDRESS:.....

.....

Postcode:.....Telephone:.....

E-mail:.....

I wish to register for the following (please tick appropriate boxes):

CONFERENCE:

Start 10.30 at The Lecture Hall, Haslemere Museum,
78 The High Street, Haslemere Museum, GU27 2LA

REGISTRATION	Members of HOGG, Geologists' Association, OUGS and Friends of Haslemere Museum	£20.00	<input type="checkbox"/>
	Others	£25.00	<input type="checkbox"/>
HOGG ROAST DINNER:	18.30 – 22.00hrs	£30.00	<input type="checkbox"/>
OPTIONAL VISIT:	to the Grave of Sir Archibald and plaque to his daughters		<input type="checkbox"/>

Total Payment:

Complete this form and either post it or e mail it to: Karen Noad, Haslemere Educational Museum,
78 High Street, Haslemere, Surrey GU27 2LA karen@haslemeremuseum.co.uk

Please tick appropriate box:

Cheque enclosed Payment by debit/credit card**

Cheques should be made payable to *Haslemere Educational Museum*.

**On receipt of your registration form, you will be e mailed a separate PayPal invoice;
this will incur a 5% surcharge.

HOGG MEMBERSHIP: Please visit www.geolsoc.org.uk/hogg and download a pdf of our membership
application form.