



## HISTORY OF GEOLOGY GROUP

### HISTORY OF APPLIED GEOLOGY

#### PROGRAMME

#### DAY 1 TUESDAY 16th NOVEMBER 2010

09.30-10.30 **Registration. Tea and Coffee**

10.30-11.00 *Anglo-Irish “advances”?: William Smith (1769-1839), James Ryan (c.1770-1847) and the invention of scientific mineral prospecting* Hugh Torrens

11.00-11.30 *The life and work of Thomas Sopwith (1803-1879): mining engineer & surveyor and geologist* David Greenwood

11.30-11.45 **Short break**

11.45-12.15 *W. Henry Penning: A 19th century applied geologist* Martin Culshaw and Alan Forster

12.15-12.45 *The contribution of the Royal School of Mines to Applied Geology* Dick Selley

12.45-13.15 *John Stuart Webb FREng and Applied Geochemistry at the Imperial College of Science and technology, London* Richard Howarth

13.15-14.30 **Lunch (including HOGG AGM chaired by Alan Bowden)**

14.30-15.00 *The ideas, social pressures and practical needs driving the development of groundwater supplies in the UK over the past 400 years* John Mather

15.00-15.30 *Luna B. Leopold – hydrogeologist* Steven Wainwright

15.30-16.00 *John Milne: father of modern seismology - his life and work* Paul Kabrna

16.00-16.30 **Tea and posters**

16.30-17.00 *Sand, wind, war and water - the extraordinary work of Ralph Bagnold* Michael Welland

17.00-17.30 *Agates and WW2* Alan Bowden

17.30-18.00 *The ground instability legacy resulting from historical chalk mining in south-east England* Clive Edmonds

#### Questions and answers

18.15 Wine Reception (Lower Library)

19.30 Dinner at Getti's restaurant, Jermyn Street

## **DAY 2 WEDNESDAY 17th NOVEMBER 2010**

09.30-10.30 **Single Day Registration. Tea and Coffee**

10.30-11.00 *European “schools” of applied micropalaeontology: science driven by conflict and competition* Haydon Bailey

11.00-11.30 *Interesting claims for Nummulites from Herodotus to madness!* Dick Moody

11.30-11.45 **Short break**

11.45-12.15 *The history of petroleum exploration: multiple evolving technologies based on a handful of underlying principles* Ken Chew and Anthony Spencer

12.15-12.45 *Aspects of geological employment in the extractive industries and the rise of the EIG*  
Geoff Walton

12.45-13.15 *Geomaterials* Ian Simms

13.15-14.30 **Lunch and posters**

14.30-15.00 *Mineral exploration in Britain - the last 50 years* Tim Coleman

15.00-15.30 *Peak District mining* Richard Shaw

15.30-16.00 *Scientific advice vs government policy: the case of the Haswell Colliery disaster (1844)* Anthony Brook

16.00-16.30 **Tea and coffee**

16.30-17.00 *Contaminated land* Paul Nathanail

17.00-17.30 *Geology and landslips* Ed Bromhead

17.30-18.00 *UK site investigation in the early 1960s* Max Barton

18.00 **Closing remarks**

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# HISTORY OF GEOLOGY GROUP



## HISTORY OF APPLIED GEOLOGY

**Conference Dates: 16th-17th November 2010**

**Conference Venue: Geological Society, Burlington House, Piccadilly London, W1J 0BG**

*Nearest underground stations are Piccadilly Circus (Bakerloo and Piccadilly lines) and Green Park (Jubilee and Victoria Lines). Burlington House is also home to the Royal Academy.*

**CONFERENCE ORGANISERS:** Richard T. J. Moody, David Earle, Helen Reeves

## CALL FOR STUDENT POSTERS

The practice and application of geological methods and skills probably predate geology as a written or pure science. Applied Geology has developed rapidly over the last 50 years but its roots are founded in the work of builders, craftsmen, engineers, surveyors and natural historians over hundreds even thousands of years. The use of metals, building materials and medicines stimulated people into acquiring local and regional knowledge of outcrops, and the association of minerals and materials to a common source. With time, new areas of knowledge were developed such that modern applied geology comprises a host of disciplines based on knowledge of core geological skills. Applied geologists use their knowledge to the benefit of society, the economy and an ever-changing environment.

Student posters should focus on the history of Applied Geology over the last 200 years; bringing to life the work of individuals or the development of institutions that have played major roles in the development of a diverse but increasingly important science.

**The posters will be assessed on 16th-17th November 2010 with prizes of £100 and £50 awarded to the winner(s) and runners up.**

**STUDENT REGISTRATION FEE FOR MEETING £5.00.**

**For further information, please contact David Earle**

[dearle@btinternet.com](mailto:dearle@btinternet.com)



**HISTORY OF GEOLOGY GROUP**  
**HISTORY OF APPLIED GEOLOGY**  
**NOVEMBER 16th-17th 2010**  
**Meeting Registration Form**



**NAME:** .....

**ADDRESS:** .....

.....

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

**E mail:** .....

The conference will be held at the **Geological Society, Burlington House**, Piccadilly, London W1J 0BG  
 (nearest Underground stations are Piccadilly Circus and Green Park).  
 The Brunel Museum trip will be undertaken by public transport.

**Registration:** I wish to register for the following (please tick where appropriate)

**November 15th 2010 (afternoon) Field trip:**

Brunel Museum Rotherhithe £12.50  .....

**November 16th-17th 2010 Conference:**

HOGG, GA, OUGS members £20 00  .....

Engineering Group members £20.00  .....

Others £30.00  .....

Students £5.00  .....

Single day registration £16.00  .....

Please tick day (16th) (17th)

**Reception (November 16th)** (*free to speakers and conference delegates*)

**Conference Dinner (November 16th)** £30.00  .....

**TOTAL PAYMENT**  
 .....

Please complete and return this form, together with a cheque (*payable to HOGG*), to  
 Professor Richard Moody, Gnoll House, 15 Forster Road, Guildford, Surrey GU2 9AE  
 E mail [rtj.moody@virgin.net](mailto:rtj.moody@virgin.net)

**\*\*Deadline for receipt of registration form: 30th October 2010\***