



Welcome to the fortnightly Geological Society newsletter.

In this issue:

- [Geological Disposal of Radioactive Waste: National Screening Exercise](#)
- [New Publications from the Geological Society](#)
- [Recent Special Issues in the Virtual Library](#)
- [Upcoming Events](#)
- [Specialist and Regional Group News and Events](#)
- [New Blog Post and Lecture Video](#)

Geological Disposal of Radioactive Waste: National Screening Exercise



Most of the radioactive waste produced as a result of nuclear power generation in the UK since the 1950s is currently stored at the surface. A recent [White Paper on implementing Geological Disposal](#) confirms government's policy objective of disposing of higher level wastes in a Geological Disposal Facility (GDF), minimising the need for management by future generations by isolating waste within a suitable rock formation, at a sufficient depth that harmful quantities of radiation do not reach the surface. The White Paper recognises that a GDF must be sited in an area in which the local community has volunteered to host the facility, and which is geologically suitable. The Geological Society issued a [statement on the White Paper](#).

The process outlined in the White Paper identifies geological evaluation as a priority from the outset. The developer, [Radioactive Waste Management Limited \(RWM\)](#), will undertake a national Geological Screening Exercise over the next two years, and effective communication of the results of this exercise and of supporting geological information will be vital in informing the deliberations of potential host communities. An independent review panel will be established by the Geological Society to review the robustness and suitability of the screening guidance and its subsequent application.

The screening exercise will be discussed at a one-day technical meeting at Burlington House on 30 September. The meeting is aimed at geoscientists and other professional specialists involved in the process, but is open to all. It will be followed by other events giving the public and interested stakeholders the opportunity to express their views. Attendance is free but advance registration is required.

*Image: Low & intermediate level waste at the Olkiluoto repository, Finland.
Courtesy SKB, Sweden.*

[Register for the RWM Screening Technical Meeting](#)
[Geology for Society: Further information and resources about geological disposal](#)
[Back to top](#)



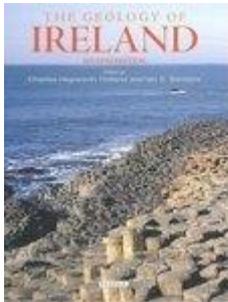
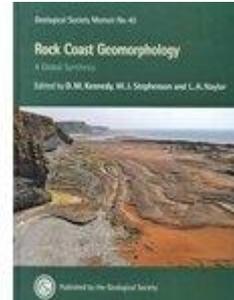
Publications

New Publication: Rock Coast Geomorphology: A Global Synthesis

Memoir 40 - Edited by D.M. Kennedy, W.J. Stephenson & L.A. Naylor.

This volume provides a regionally based analysis of the world's rock coast landforms. Each chapter is written by the leaders in the field and integrates the latest data with established theories. Identification of boundary conditions allows for results to be extrapolated beyond the region and sets the scene for future research.

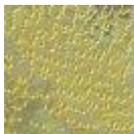
[Visit the website for more information](#)



[The Geology of Ireland, 2nd Edition](#) (paperback, 2009, Dunedin) is also now available from the online bookshop.

Please [visit the online bookshop](#) to buy this title, or to view other recently stocked items including *Volcanoes and the Making of Scotland* and *Practical Engineering Geology*.

[Back to top](#)



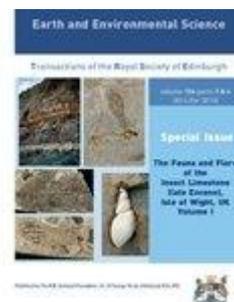
Library and Information Services

Recent Special Issues in the Virtual Library

The Recent Special Issues section of the Virtual Library contains details of thematic special issues from e-journals which are available to Fellows. These include both the Library's ['Athens' login journals](#) and ones which are freely available online.

The following new special issues have been added to August's section:

- [The Fauna and Flora of the Insect Limestone \(late Eocene\), Isle of Wight, UK Volume 1](#)
- [Methods and Applications of Magnetic Anisotropy](#)
- [Potentially Harmful Elements in Soils: Concentration, Distribution, Risk Assessment and Remediation](#)
- [Recent Advances on Natural Gas Geochemistry in Chinese Sedimentary Basins](#)



Athens authentication can also be used to access more than 90 other journals from leading publishers.

[Back to top](#)



Events

Call for Abstracts: IMCET2015: The 24th International Mining Congress and Exhibition of Turkey



Date: 14-17 April 2015
Venue: Antalya, Turkey: Venue to be confirmed
Deadline for Abstracts: 8 September 2014

The International Mining Congress and Exhibition of Turkey is the most important mining event of Turkey, bringing together academics, engineers, decision makers, investors, industry specialists and suppliers from all over the world.

Scientific, technical and social issues will be dealt with during the sessions over four days, and the latest technological products and developments in the mining industry will be on view in the exhibition area. Delegates are encouraged to submit abstracts through the conference website.

[Visit the website for more information](#)
[Back to top](#)

London Lecture: Groundwater - the Good, the Bad and the Ugly

Date: 10 September 2014
Venue: The Geological Society, Burlington House, London

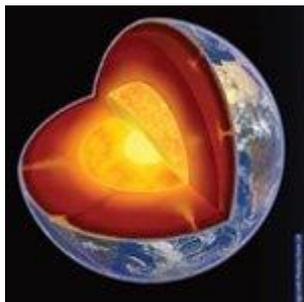
Though groundwater may be out of sight, it is not necessarily out of mind and is vital to sustaining life on Earth.

In the September London Lecture, Natalyn Ala (Atkins Ltd and GSL Council member) will discuss the importance and vulnerability of groundwater. The ballot to attend is now closed but the lecture will be streamed online.



[Visit the website for more information](#)
[Follow this event on Twitter: #gsllecture](#)
[Back to top](#)

Deep Earth Processes



Date: 15-16 September 2014

Venue: The Geological Society, Burlington House, London

Our understanding of the Earth's deep interior has changed fundamentally in the last decade. The widely held view that the mantle is layered with respect to different geochemical reservoirs, and that the lower mantle has remained unchanged since the formation of the Earth 4.5 Ga, has been challenged by diverse evidence from geophysical images, mineral physics, the geochemistry of erupted melts, diamonds and their inclusions.

The meeting will draw together the latest ideas and results in a discussion of the key features of the inaccessible depths of our planet. Postgraduate Student Travel Bursaries are available; the deadline is 1 September.

[Visit the website for more information](#)
Follow this event on Twitter: [#deearth14](#)
[Back to top](#)

Call for Sessions, Short Courses and Workshops: The 35th International Geological Congress

Date: 27 August-4 September 2016

Venue: International Convention Centre, Cape Town, South Africa

Deadline for Symposia/Workshops/Short Courses: 31 October 2014

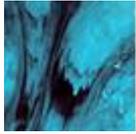
The International Geological Congress is held every 4 years, and is undoubtedly the most important activity of the International Union of Geological Sciences.

The Scientific Program for the 35th Congress is still in the early stages of development, and participation is encouraged. The main themes will be Geology in Society, Science and the Economy.

[Please notify the Organisers by 31 October](#) if you are interested in coordinating a Symposium, Workshop or Short Course.

[Visit the website for more information](#)
[Back to top](#)





Groups & Networks

Enter the British Geophysical Association Image Competition and Help Promote UK Geophysics: Deadline 31 August



It's not too late to submit entries for the BGA's 2014 Image Competition. We are looking for dramatic geophysical fieldwork photos, spectacular images of numerical simulations, stimulating photos of laboratory experiments in progress, or even geophysical data overlays or drapes on topography or other surfaces.

Top prize: £200 and a 1-year membership of one of the BGA parent societies, the Royal Astronomical Society or the Geological Society.
Runners-up: 1-year membership of a parent society.

[Visit the website for more information](#)
[Back to top](#)

West Midlands & Southern Wales Regional Groups Photo Contest: Final Call for Entries: Deadline 31 August

It's the final week before the deadline for entries to the Photographic contest, launched by the West Midlands Regional Group in partnership with the Southern Wales Regional Group and the Black Country Geological Society.

The first prize is £200, and it is open to anyone within the Group catchments - not just Society members. The theme for this year is 'What Lies Beneath Our Feet', and the deadline is **31 August 2014**

[Visit the website for more information](#)
[Back to top](#)



Call for Abstracts: GRSG Silver Anniversary Conference 2014: 25 Years of Geological Remote Sensing



Date: 15-17 December 2014
Venue: The Geological Society, Burlington House, London
Abstracts deadline: 1 September

To celebrate their 25th anniversary, the [Geological Remote Sensing Group](#) has invited the founding chairman, Geoff Lawrence, to give a keynote presentation tracking how Geological remote sensing has progressed entitled '**25 years of Geological Remote Sensing: Then and Now**'. The history of Remote Sensing will also be celebrated in Keynotes throughout the conference.

Registration is now open and Abstracts for Oral Presentations and Posters are welcome.

[Visit the website for more information](#)
[Back to top](#)

British Geophysical Association Postgraduate Research in Progress Meeting

Date: 4-5 September 2014

Venue: School of Environmental Sciences, University of Liverpool

The meeting offers postgraduate students an exciting opportunity to meet and present their work to fellow members of the geophysics community in a relaxed and friendly environment.

Invited speakers include Dr. Catherine Rychert (University of Southampton) and Prof. Roger Searle (University of Durham).

[Visit the website for more information](#)

[Back to top](#)



South East Regional Group Young Geoscientist Competition 2014



Date: 16 September 2014

Venue: The Bell Inn, Godstone, Surrey

The South East Regional Group warmly invite all our regional members to come to listen to a variety of interesting presentations at the second young geoscientists papers competition.

Entrants will give short presentations followed by panel questions. All our regional members are encouraged to support this event and the entrants.

[Visit the website for more information](#)

[Back to top](#)

Thames Valley Regional Group: Geology & Construction in Qatar

Date: 16 September 2014

Venue: Bird in Hand, Knowl Hill, Berkshire

Abundant oil and gas reserves have made Qatar one of the richest states in the world and have fuelled a massive boom in construction in recent years, which has been increased by the award of the 2022 World Cup. Understanding the geology and its effect on construction processes and materials is thus essential for successful construction.

This talk by Murray Reid, Senior Technical Manager at TRL, will allow him to indulge two of his main areas of interest: sulphates and other aggressive salts in soils and rocks; and the use of recycled aggregates in construction.



[Visit the website for more information](#)

[Back to top](#)

West Midlands Regional Group Lecture: Feet on the Ground: Engineering Geology, Past, Present and Future

Date: 23 September 2014

Venue: Haworth 101 Lecture Theatre, University of Birmingham



Engineering geology has a long and rich heritage and the UK has been in the vanguard of the development of the subject as a distinct discipline.

Professor Jim Griffiths, of Plymouth University, discusses the role of engineering geology in relation to civil engineering, leading to observations as to how the profession might develop in the future in order to meet the needs of society.

[Visit the website for more information](#)

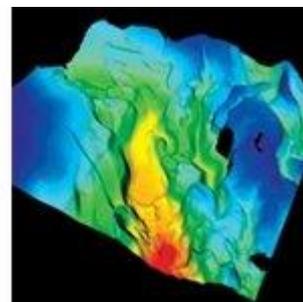
[Back to top](#)

Petroleum Group: Small to Subseismic Scale Reservoir Deformation

Date: 29-30 October 2014

Venue: The Geological Society, Burlington House, London

Given recent advances in seismic data acquisition and processing, the geological detail of the subsurface can now be imaged with greater resolution than ever before. This 2-day international conference will bring academic and industry geoscientists and engineers together, to examine:



- I. How much extra geological detail modern seismic techniques are now able to image;
- II. How that expansion of detailed information is being approached and captured by interpreters - and tied back to real reservoir geology;
- III. What modern questions and techniques are now being applied to outcrop and drill-core studies in order to address the 'unseen challenges' of subseismic deformation; and
- IV. How this is influencing the level of detail that should be captured to define better subsurface flow characteristics within flow simulation models.

For more information [visit the website](#) or contact [Laura Griffiths](#)

[Back to top](#)



Other News

New Lecture Video: Geology in Space: Meteorites & Cosmic Dust



Geology no longer is the study of the Earth. Rocks are found throughout the universe on other planets, asteroids and comets and as debris ranging in size down to the tiniest pieces of stardust.

In his June London lecture Matt Genge of Imperial College London discussed the geology of space, recorded in meteorites and cosmic dust, showing that the principles of geology still hold true far beyond the bounds of our home world.

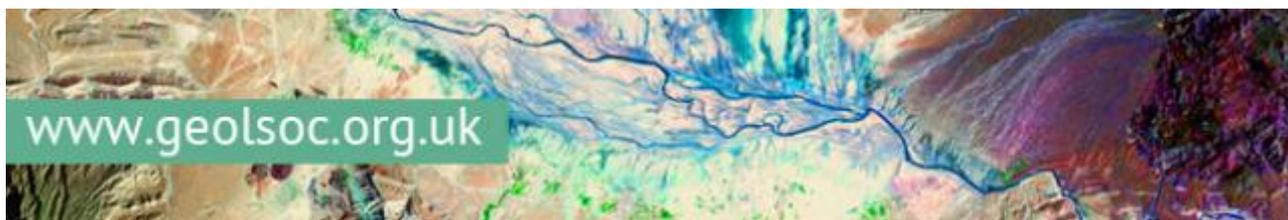
[Watch the Lecture online at our Past Meeting Resources page](#)
[Back to top](#)

New Blog Post: A New Version of Sopwith's Buckland Portrait?

Most of us have at one time or another seen Thomas Sopwith's famous pen and ink drawing of William Buckland (1784-1856) in his remarkable field gear.

Geoscientist Editor Ted Nield writes on seeing a familiar image in a rather unfamiliar form on a recent museum visit.

[Visit the blog for more information](#)
[Back to top](#)



The Geological Society of London • Burlington House • Piccadilly, London W1J 0BG

<http://www.geolsoc.org.uk>

[Subscribe](#) | [Unsubscribe](#) | [Send to a Friend](#) | [Preferences](#) | [Report Spam](#)