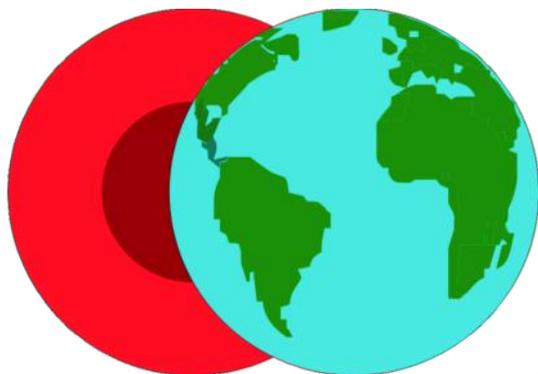


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**Volume 1 Issue 1
July 2009**

**Earth Science Teachers' Association
www.esta-uk.net
Registered Charity No. 1005331**

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ESTA COUNCIL 2009

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Welcome to ESTA News

This is our first issue of ESTA News, which we hope to publish twice a year to keep in touch with you and to help you keep in touch with news of events, conferences, training sessions, fieldwork activities, examination developments, new publications and recent additions to the ESTA website. The most important thing is to provide information that our membership will find useful. Do have your say - let Council members know what you think of ESTA News and do get in touch if you have good ideas about what else you would like to read in your newsletter



What's new in the field?

Anglesey Geology - A Field Guide by Jack Treagus. (ISBN 0 9546966 2X)

Published in 2008, this paperback handy A5-sized guide, covering some of the classic geological sites on Anglesey, has many colour illustrations is available from:

Dr M. Wood, College, Llansadwrn, Menai Bridge, Anglesey, LL59 5SN, UK.

Price £11.00 (incl Postage & packing).

A Geological Excursion Guide to Rum by C.H. Emeleus and V. R. Troll.

(ISBN-10: 1905267223 ISBN-13: 9781905267224)

This paperback A5-sized field guide contains 9 excursions illustrating the geology of the layered Intrusions of Paleocene age, sequences through the caldera floor of the Rum volcano and the overlying volcano-sedimentary infill and the contacts of the Lewisian and Torridonian successions with Paleocene rocks. Price £12.99.

Huntley Quarry Reserve Guide published by the Gloucestershire Geology Trust.

This guide explains the geology demonstrated in a series of exposures and how the Blaisdon Fault, which runs through the centre of the reserve, has affected the structure of the rocks.

For further information contact: info@glosgeotrust.org.uk. Price £2.00

The Cannock Chase Geotrail, a 36km guided trail around the geology, geomorphology and geologically related industrial history of this part of South Staffordshire, was published by Staffordshire RIGS Group in March 2009. Copies are available free of charge from local tourist information centres and eventually will be downloadable from the web as pdfs.

What's new on the ESTA website?

In June 2009 new items were added to GEOTREX. Items include PowerPoints on:

- Evolution & exceptional Preservation
- Geological starter orogenies
- Igneous intrusions & the space problem
- Plate boundaries & igneous activity.

Other new resources added to GEOTREX include documents with the following titles:

- Oxygen isotopes: an idiot's guide
- Carbon isotopes: an idiot's guide.
- A map skills check list
- Orogenies,
- Plagioclase.

Please support this project by contributing your ideas and resources.

To submit items e-mail: webmaster@esta-uk.net with the subject as GEOTREX.

We are also in the process of re-modelling the ESTA website to make it more efficient and easier for members to use. Keep a watch on the website!

Did you know?

;) You can arrange for the ESTA webmaster to send you an e-mail when new items have been added to the website &/or GEOTREX. To sign up for this service e-mail: webmaster@esta-uk.net with the subject as ESTAUUPDATE.

;) If you pay your ESTA subscription personally, are a UK income tax payer and don't reclaim tax on your subscription you can help ESTA by making a Gift Aid Declaration. For further details e-mail: contact@esta-uk.net

;) One way in which communication with members could be made much easier would be to use emails for sending out conference information and membership renewal reminders. (This would save the Membership Secretary many hours of stuffing envelopes and sticking on labels!). If you would like to receive conference information & membership renewal reminders by e-mail, please send your email address to miketuke@btinternet.com

so your email address can be added to our database. Your email address will only be used by ESTA to contact you.

;) If you get your school or institution to send the annual subscription, another way you can help your hard-working Membership Secretary is to ask your school or institution to ensure your membership number is included on the payment paper work they send to the Membership Secretary.



<http://www.esa.int>



<http://whitmanshill.earthheritagetrust.org>

Useful websites

<http://www.uc.edu/GEOLOGY/GEOLOGYLIST/>

This gives the geologic sites that every geologist should visit.

<http://www.esa.int>

This site gives information about the European Space Agency and the International Polar Year.

<http://www.ukrigs.org.uk/html/esos.php>

Use this site to find out about Knowle Quarry, Shropshire - the latest addition to the ESO-S website is yet another example of high quality Earth Science teaching activities for schools.

http://www.bgs.ac.uk/education/climate_change/climate_through_time.html

This is a useful link if you wish to print the Climate Through Time pdf poster for your classroom. The BGS will be developing interactive resources and classroom exercises based on the poster later this year.

<http://whitmanshill.earthheritagetrust.org>

This includes a 3D terrain model of Whitman's Hill Quarry in Storridge, near Malvern.

Dairy dates

September 2009

19th - 20th September

Dudley Rock & Fossil Festival
Dudley Museum & Art Gallery
Contact: 0138 815575

21st - 23rd September

William Smith meeting 2009:
Environment, Pollution and Human Health
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

October 2009

5th October

Anglo American Environmental Geochemistry Poster Competition
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

7th October

Shell London Lecture Series
Perturbing plankton in the sea: past and future.
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

25th - 28th October

Young Earth Scientists Congress 2009
University of Geosciences, Beijing
www.yescongress2009.org/
Contact: www.yescongress2009.org/
E-mail: elyvinnkhonjera@yahoo.co.uk

31st October

Festival of Geology
University College, Gower St., London, WC1E 6BT
Contact: www.rockwatch.org.uk

November 2009

11th November

Shell London Lecture Series - Mountains in the sea.
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

23rd November

Darwin the Geologist: His Legacy
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

25th November

Geological Society Careers Day for undergraduates
& post graduates
East Midlands Conference Centre, Nottingham
Contact: www.geolsoc.org.uk/

December 2009

9th December

Shell London Lecture Series - The sameness of rocks,
the uniqueness of Earth history, and what it all means
for hydrocarbon exploration.
The Geological Society,
Burlington House, Piccadilly, London, W1J 0BG
Contact: www.geolsoc.org.uk/

January 2010

7th-9th January

ASE Annual Conference - "Science Without Frontiers"
University of Nottingham
Contact: www.ase.org.uk/



Year 1 undergraduate students from Liverpool University at work at Marloes Sands, Pembrokeshire.

Do you recognise where we have also used this photograph?

If you have a photo showing your students at work that we could use for our next Newsletter - please send it in!

Looking forward to future ESTA Conferences

2009 18th-29th September

Theme: Integrated Earth Science

National Oceanographic Centre,

Southampton

Conference Convenor: Clive Trueman

Contact: trueman@noc.soton.ac.uk

2010 17th-19th September

Theme: Geology & Society

Leicester University

Conference Convenor: Gawen Jenkin

Contact: grtj1@le.ac.uk

2011 1st-3rd July

Durham University

2012 July

Birmingham University

And finally ... don't forget:

★ The PT Carr Award

The late Peter Towsley Carr left a bequest to create an award to be administered by ESTA. The purpose of the award was to fund geological research by practising schoolteachers.

'Geological research' is here interpreted in a wide sense, to include research into:

- An aspect of the geology of an area, particularly one local to the teacher's school;
- Geological and Earth science education at all levels;
- Improving the use of geological collections in education;
- Improving the public understanding of geology and Earth science;
- The use of information technology in any of the above.

Interested? Then please contact Ros Todhunter (ESTA Secretary).

★ INSET/ Professional Development

'Teaching Geology in the World Today' - A course for 'A' Level Geology teachers
26th & 27th November 2009, University of Liverpool. (Contact: bambeni@liv.ac.uk)

'Overcoming Barriers to Student Learning in the Geosciences' - A GEES Subject Centre event
Wednesday 20th Jan, 2010, University of Birmingham. (Contact: info@gees.ac.uk)

★ What's free with Newsletter 1.1?

The CD 'Geology in the World of Work' is included with ESTA News. This CD developed from ideas generated by Dawn Windley, Ray Humphries, Tony Grindrod and Maggie Williams at an 'A' Level working group meeting held at Keele during the summer of 2006.

The idea was to provide an easy to use resource for teachers, students, parents (and careers teachers!) that would give outline information about the wide range of career opportunities open to people who have studied geology. The resource is a PowerPoint showing images of geologists doing at least 30 different types of work in different places in the world, giving a brief outline of the kind of work involved and indicating the range of salaries available.

The CD ROM also has links to URLs where users may access more information if they need to find out more about a particular career.

The thought is that teachers could amend the CD to include images of their former students who have taken up careers related to geology. It is hoped that the CD ROM will have particular use in teaching the new WJEC GCSE geology course for first examination in 2011 since it is a resource supporting Key Idea 6: Professional geoscientists use a variety of investigational skills in their work.

★ Quotes of the day?

The best geologist is the one who has seen the most geology.

Geologists have a saying - rocks remember.
Neil Armstrong

For geologists, life is a field trip.
Anon

Civilization exists by geological consent, subject to change without notice.
Will Durant

A stone is ingrained with geological and historical memories.
Andy Goldsworthy

★ Special offers

Surplus geological specimens - free to good homes!

High Storrs School, Sheffield wishes to give away surplus rocks, minerals & fossils.

There are hand specimens - and some large display specimens available.

Please contact: peter.kennett@tiscali.co.uk