

**Papers***Published*

Scott, A., **Hurst, A.** & Vigorito, M. 2013. *Outcrop-based reservoir characterization of a kilometer-scale sand-injectite complex*. AAPG Bulletin 97, 309-343.

**D Jolley, R Daly**, I Gilmour & S P Kelley. 2013. *Climatic oscillations stall vegetation recovery from K/Pg event devastation*. Journal of the Geological Society, DOI:10.1144/jgs2012-088.

**Parnell, J.**, Boyce, A.J., **Hurst, A.**, Davidheiser-Kroll, B. & **Ponicka, J.** 2013. *Long term geological record of a global deep subsurface habitat in sand injection complexes*. Scientific Reports, 3, doi:10.1038/srep01828.

**Trewin N. H.** 2013. *Scottish Fossils*. Dunedin Academic Press, Edinburgh.

*In Press/Accepted*

**Andrews, S.D. & Trewin, N.** *Palaeoenvironmental significance of lacustrine stromatolite forms from the Middle Old Red Sandstone of the Orcadian Basin*. Geological Magazine.

**Butler, R.W.H.** *Image of the month: large-scale basement-cover deformation in the Alps*. Journal of Structural Geology.

**Butler, R.W.H.** *Area balancing as a test of models for the deep structure of mountain belts, with specific reference to the Alps*. Journal of Structural Geology.

Torvela, T., Moreau, J., **Butler, R.W.H.**, Korja, A. & Heikkinen, P. *The mode of deformation in the orogenic mid-crust revealed by seismic attribute analysis*. Geochemistry, Geophysics, Geosystems.

**M Hole, D Jolley, A Hartley**, S Leleu, N John & M Ball. *Lava-sediment interactions in an Old Red Sandstone basin, NE Scotland*. Journal of the Geological Society, London.

I Gilmour, M Gilmour, **D Jolley**, S Kelley, D Kemp, **R Daly** & J Watson. *A high-resolution nonmarine record of an early Danian hyperthermal event, Boltysh crater, Ukraine*. Geology, DOI 10.1130/G34292.

N Schofield & **D Jolley**. *Development of Intra-Basaltic Lava Field Drainage Systems Within the Faroe-Shetland Basin*. Petroleum Geoscience.

**M. Li**, Z.H. Lou, A.M. Jin, et al. *Flow of formation Water and hydrocarbon accumulation and preservation in the Zhenwu area of the North Jiangsu Basin, China*. Acta Geologica Sinica.

**M. Li**, Z.H. Lou, R. Zhu, et al. *Distribution and Geochemical Characteristics of Fluids in Ordovician Carbonate Reservoirs of the Tahe Oilfield*. Journal of Earth Science.

C. J. Shang, Z.H. Lou, **M. Li**, et al. *Hydrocarbon preservation in marine strata of Middle-Upper Yangtze Block, southwest China*. Petroleum Science and Technology.

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**Funding**

**Dave Cornwell** won two awards from the School's Research and Teaching Enhancement call: A Seismometer Display for GPG and to Host a Refresher Day for Schoolteachers who have Seismometers in their Schools (with **Randell Stephenson** and **Clare Bond**, £1900); and Two Research Visits to Leeds to Work with Turkish Collaborators on the NERC Northern Anatolian Fault Project (£1600).

**Natalie Farrell** has received an award from the Public Engagement with Research Unit Enabling Fund (£500) to support 'The Geological Fabric of Shetland' Public Engagement project linked to a TSG field trip in June.

**Dave Healy** won an award from the School's Research and Teaching Enhancement call: Mercury Porosimeter (£6k). Together with funds from the School of Natural and Computing Sciences, and projects managed by **Joyce Neilson**, **Andrew Hurst** and Fred Glasser (Chemistry), this will fund the purchase of a new mercury porosimeter to be based in Meston.

**David Iacopini** has been granted £13.2k by BG for research in the rift system in the Campos Basin, Brazil.

**Ben Kneller** reports that Petrochina has joined the PRACSS deepwater JIP.

**John Millett** received an award from the Principal's Excellence Fund (£500) towards fieldwork on Iceland.

**GPG postgrad committee** has secured funding for this years PhD fieldtrip to the Isle of Skye (August) from Fairfield (£2,000), BP (£1,000) and BG (£500).

**Presentations**

**Steven Andrews** presented *Climatic Trends in the Triassic to Early Jurassic Lacustrine Succession of East Greenland: Implications for Correlation in the North Atlantic Region*. EGU, Vienna, 7/04/13 - 12/04/13.

**Dave Cornwell** gave and co-authored a number of presentations at EGU, Vienna including: *Imaging Continental Break-Up Magmatism in the Upper and Lower Crust beneath the Faroe Islands; North Atlantic, using Passive Seismic Data; State of the lithosphere-asthenosphere coupling beneath the United Kingdom; FaultLab: Results on the crustal structure of the North Anatolian Fault from a dense seismic network; and New Insights on the Crustal Structure beneath the Western Segment of NAF: Preliminary Results from a Dense Seismic Array.*

**Randell Stephenson** gave a seminar at GeoTop (Université de Québec à Montréal) in March entitled *The topography and regional crustal structure of the Eureka Orogen, Ellesmere Island.*

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**Esteem**

**Clare Bond** gave an invited talk: *Structural interpretation of seismic data and inherent uncertainties*. European Geosciences Union, Vienna, 7/04/13 - 12/04/13.

**David Iacopini** gave an invited talk (co-authored with **Rob Butler**) at the EGU in Vienna: *Imaging fault using 3d seismic image processing techniques*.

**Sean McMahon** has been awarded a certificate recognizing special achievement in public engagement by the Public Engagement with Research Unit (PERU).

**Other**

**Rob Butler** attended the Geological Society of London Council and External Relations Committee, and chaired the Geoconservation Committee.

**Antonio Grippa** has been hired as a post-doctoral research fellow for the Sand Injectites project Phase 3, and starts mid July.

**Andrew Hurst** conducted field courses for 2 groups: Reservoir characterisation of sand injectites for Catcher field group (Premier Oil, Cairn Energy and Wintershall), 4-11 May, California; and Sand Injectite outcrop evaluation with BG Brazil, 13-17 May, California.

The seisLAB has been refurbished and upgraded thanks to financial contributions from DIT, **David Iacopini** (£10k) and **Ben Kneller** (£20k, mostly through BG).

**Sean McMahon** has been awarded a NASA Planetary Biology Internship to spend two months at the NASA Ames Research Centre in California working on a biological system to maintain a breathable atmosphere inside spacecraft on long-distance crewed space missions.

**GPG postgrad committee** organised one day field trips to Portsoy and St Cyrus. Next trip is to Hopeman on Saturday May 18<sup>th</sup>.

**John Parnell** attended a 3-day NASA workshop at the Boulby Mine, to discuss how North Yorkshire could be used as an analogue for Mars.

**Randell Stephenson** spent a couple of days in May visiting the "Institute of Geology and Geography" of the Lithuanian Nature Research Centre in Vilnius as part of a review of the scientific research capabilities of the institute for the Lithuanian Ministry of Education and Research.

**Next copy deadline: July 10<sup>th</sup>, 2013**

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