

The Geological Society of Glasgow

Registered Scottish Charity No. SC007013

President: Dr Alan Owen, PhD

www.geologyglasgow.org.uk

Early April 2009

151/4

Meetings

9th April

Professor Paul Bishop

University of Glasgow

will talk on

What can we learn about bedrock rivers from Scotland's post-glacial rebound?

Bedrock rivers – rivers flowing in rock channels with little or no sediment covering the river's bed or banks – are characteristic of tectonically active areas, where the bulk of a river's energy is spent in cutting down against ongoing rock uplift, leaving little stream power for widening the valley to develop a floodplain or in-channel point bars. Bedrock rivers are thus the key element controlling landscape development in tectonically active areas, and especially in controlling the evolution of hillslopes and sediment delivery to sedimentary basins from tectonically active areas. It is thus important for geomorphologists, sedimentary geologists and basin analysts to understand the controls on the development of bedrock rivers in tectonically active areas. Scotland's post-glacial rebound provides a very useful 'natural laboratory' for understanding bedrock river responses to surface uplift. Over several years we have been using the range of lithologies, geological structures and climates across Scotland to answer the following questions: What are the main determinants of how a bedrock river responds to surface uplift? Are lithology and climate important in slowing or speeding the rate at which a river responds to uplift? Can we get 'a handle on' the rates at which bedrock rivers respond to uplift? Cosmogenic nuclide analysis undertaken at our laboratory at SUERC (the Scottish Universities Environmental Research Centre in East Kilbride), the only laboratory for such analyses in the UK, has been critically important in answering the last question. This talk explains how we undertake research in this area and presents some of the findings of the research.

14th May

Members' Night

The eighth and final indoor meeting of session 151 will take place at 7.30 pm in the Gregory Building, University of Glasgow, Lilybank Gardens. We now have sufficient presentations for the first part of the evening but there is always room for more displays.

Notices

Subscriptions

If you require to set up a Bankers Standing Order as your routine method for future payments (**which is the Society's preferred arrangement**), please notify the Membership Secretary.

Address changes: The Society maintains the only mailing list of Society members* and any changes should be sent by post or e-mail or communicated by telephone to the Membership Secretary.

* Labels for all mailings, including the Scottish Journal of Geology are produced by the Society from Society records.

Membership Card: The membership card which you should have received with an earlier billet not only gives information on the lecture programme, but can also be used to provide proof of membership when necessary.

To validate it you need to add your name and reference number, which is printed on the right side of the mailing label used for this billet. The number will also be repeated on the label for the next billet and can be obtained from the Membership Secretary at any time by phone, e-mail or post.

When joining the University Library, proof of identity e.g. photo driving licence, passport, travel card, matriculation card (through an Adult Education Class) will also be required.

Membership Secretary: Dr. R A Painter, 1a Alexandra Avenue, Lenzie, GLASGOW
G66 5BE Tel.:- 0141 777 7145: e-mail:- gsgmemsec@ntlworld.com

New Members: We extend a warm welcome to the following new members:-

Mrs B J Rammell	Dumfries
Ms C Mitchell	Thornwood
Mr A Biggerstaff	Thornwood
Mrs C Johnson	Glasgow
Mr J F Hall	Moniaive
Mrs D M Turner	Thornhill
Mr A Smith	Glasgow
Miss C T Kennedy	Glasgow
Miss E L H Fairley	East Kilbride

Excursions

All but one of the day excursions are fully booked as is the week-end excursion. The excursion to the Bathgate Hills on 16th May still has a few vacancies. The evening excursion to Rouken Glen on 7th May can still accommodate a few more – contact Jim Martin if you are interested: jim_martin1@hotmail.com

Report from Strathclyde RIGS Group

The groups in Dumfries & Galloway and in the north Argyll area have agreed to become sub-committees of the Society and we will be learning more about their activities in future billets.

Following the very successful RIGS Workshop in early October hosted by Perth Museum, the next in the series will be held on Saturday 30th May again in Perth Museum.

BGS are currently carrying out the audit of geodiversity sites for East Dunbartonshire Council for inclusion in the Local Plan Review. A member of the RIGS group met recently with representatives of BGS, EDC and SNH to discuss progress and procedures for rating sites.

If you would like to get involved in the work of the RIGS Group or just find out about its activities please contact strathrigs@tiscali.co.uk or look at the society's web site www.geologyglasgow.org.uk.

Scottish Festival of Geology

This is advance notice that we will be hosting events as part of this annual celebration of Scotland's geological heritage. Dates have yet to be fixed but on a Saturday in mid-September the Society intends to be present in the Glasgow Science Centre with a display of rocks, minerals and fossils. Details will appear in due course on the festival website – www.scottishgeology.com.

Request for information

Neil Clark, Hunterian Museum, is writing a book on amber and is looking for examples of *Middletonite* a Carboniferous resin found attached to coal. Anyone with any knowledge of a sample please contact Neil, or via Hon. Secretary.

Publications

A Geological Excursion Guide to Rum by C.H. Emeleus and V.R. Troll will be published on 16th April by the National Museums of Scotland on behalf of the Edinburgh Geological Society at a cover price of £12.99. Copies will be available at our lecture meetings from October or, before then, from publisher@nms.ac.uk

A new guide to the Moine will be published later this year also by National Museums of Scotland on behalf of the Edinburgh and Glasgow Geological Societies. This will be a new publication rather than a revision of the existing guide, now twenty years old.

Edinburgh Geological Society

The lecture programme has finished for this session and their excursion programme starts with our Joint excursion to Spireslack on Saturday 25th April. All details on their web-site: www.edinburghgeol Soc.org

Highland Geological Society

Tuesday 21st April "Stone 6" Prof John Parnell, Univ of Aberdeen
Sunday 27 April Field trip to the Glen Bruachaig Window at Kinlochewe. Meet at Kinlochewe at 10.00 am. Contact the Hon. Sec. for HGS details if you wish to attend.

Next Billet

The next billet will be with you in mid-September for the start of session 152

The President and members of Council hope you have an enjoyable, and dry, summer excursion season.

Dr Iain Allison, Honorary Secretary
The Geological Society of Glasgow,
c/o Department of Geographical and Earth Sciences,
Gregory Building, University of Glasgow,
Glasgow G12 8QQ
Tel.: 0141 330 4816/4752, Fax.: 0141 330 3661
email: geolsocglas@uk2.net