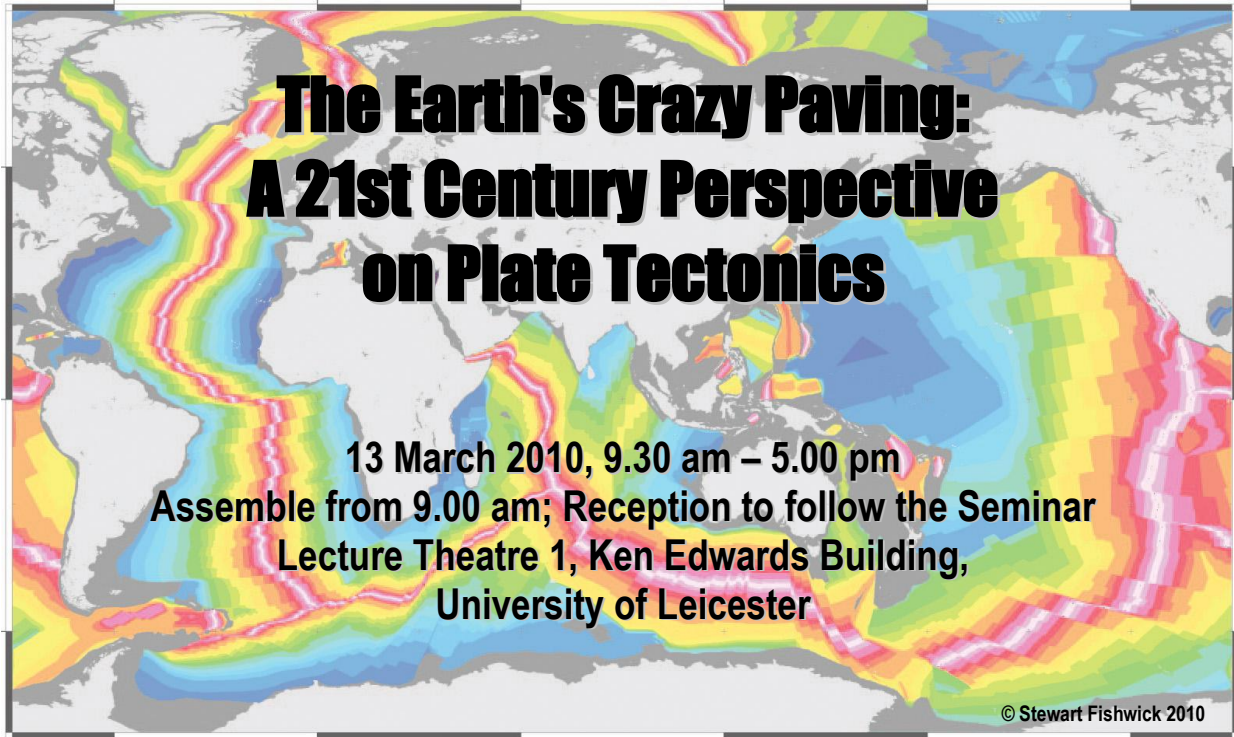


The Geology Section (C)
Leicester Literary and Philosophical Society
present their annual



Saturday Seminar



The modern conception of Plate Tectonics has been in existence for about 50 years, with the 'plate tectonic revolution' taking place in the 1960's when a new generation of researchers, some of whom will be speaking at the Seminar, advanced and developed the theories of Alfred Wegener 45 years earlier. These pioneers unveiled to a mostly sceptical scientific community the amazing fact that the Earth's lithosphere is made up of moving plates, whose unpredictable wanderings around the planet over time continually modify the morphology of the Earth's surface.

Our seminar takes a reflective view of those early days, the controversy and disbelief, then focuses on the advancement of plate tectonics in the 21st Century. The story begins with the tectonic setting of the early Earth, moves on to the discoveries and nature of processes impinging on the continents, mountains and oceans, and concludes with the interaction between the processes of plate tectonics and life on the planet.

The full day of talks will be presented by Professors **Joe Cann, James Jackson, Andreas Rietbrock** and **Hugh Rollinson**, and Drs **Dickson Cunningham, Steve Jones** and **Alan Owen**, all highly regarded leaders in the field.

Tickets for the Seminar and Reception are £20.00 with a buffet lunch or £14.00 without lunch.

For more details about the Seminar, please see our website: www.charnia.org.uk
Or contact Joanne Norris or Andrew Swift by email: j.e.norris@ntlworld.com or tel: 0116 2833127.



To: Mrs F. Barnaby, Cuckoo Cottage, 22 Church Lane, Dingley, Market Harborough LE16 8PG (tel: 01858 535404)

Please send me: _____ x £20.00 (with lunch) tickets / _____ x £14.00 (without lunch) tickets

Total amount: £ _____ Please make cheques payable to 'Leicester Literary and Philosophical Society Section C Geology'

NAME (Block capitals): _____

ADDRESS: _____

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Email address _____ Please book before 6 March 2010.

Please tick this box if you would like to be kept informed of future events such as this. Your name and address will not be passed on to any third party.

Programme

- 09.00 Assemble
- 09.30 Opening and Chair of Session 1
Dr. Joanne E. Norris (Chairman, Geology Section (C), Leicester Literary and Philosophical Society)
- 09.35 **Professor Joe Cann** (Leeds University). Living through the plate tectonic revolution; how the Earth suddenly started to move.
- 10.20 **Professor Hugh Rollinson** (Derby University). When did Plate Tectonics begin?
- 11.05 Coffee
- Chair of Session 2
Andrew Swift (Editor, Geology Section (C), Leicester Literary and Philosophical Society)
- 11.25 **Professor Andreas Rietbrock** (Liverpool University). Dehydration processes in the subducting slab: Seismological observations from the Andean subduction zone.
- 12.10 **Dr. Dickson Cunningham** (Leicester University). Mountain building in continental interiors: Lessons from central Asia.
- 12.55 Lunch
- Chair of Session 3
Mark Evans (Vice-Chairman, Geology Section (C), Leicester Literary and Philosophical Society)
- 14.00 **Professor James Jackson** (Cambridge University). Mountains and shields on the continents.
- 14.45 **Dr. Steve Jones** (Birmingham University). Theme: The linkage between deep earth (mantle) processes and climate.
- 15.30 Tea
- Chair of Session 4
Professor Andy Saunders, Dept of Geology, University of Leicester.
- 15.50 **Dr. Alan Owen** (Glasgow University). Plate tectonics and the changing patterns of life in the marine realm.
- 16.35 Discussion
- 17.00 Concluding Remarks & Close
- 17.15 Reception.