



HARROW & HILLINGDON GEOLOGICAL SOCIETY

Advancing public appreciation of Geology since 1973

A Local Group of the Geologists' Association

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Wednesday 13th November 2024 at 8pm on Zoom

“The Rotating Earth and Plate Tectonics”

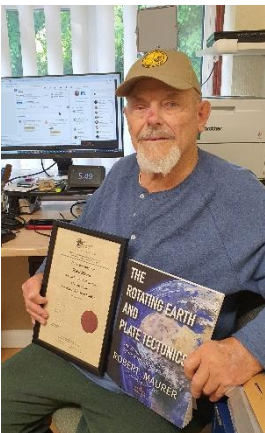
Discussion of Bob Maurer's theories

Non-members, please register by email: contact@hhgs.org.uk

November's monthly meeting will take the form of a discussion to which participants are invited to contribute. The following questions will be addressed:

1. Is the Earth an unbalanced rotating body (i.e. Is its Centre of Mass offset from its principal axis of rotation, leading to orbital 'wobbles')?
2. Why don't current tectonic models take the Earth's rotation and consequent circumferential stresses into account?
3. Could tectonics be a 2-speed system in which continental plates are driven by a different mechanism than oceanic plates?

Some current knowledge from the field will be presented by our own HHGS member, Dr. Douwe van der Meer, and the discussion will be chaired by Liz Chiu.

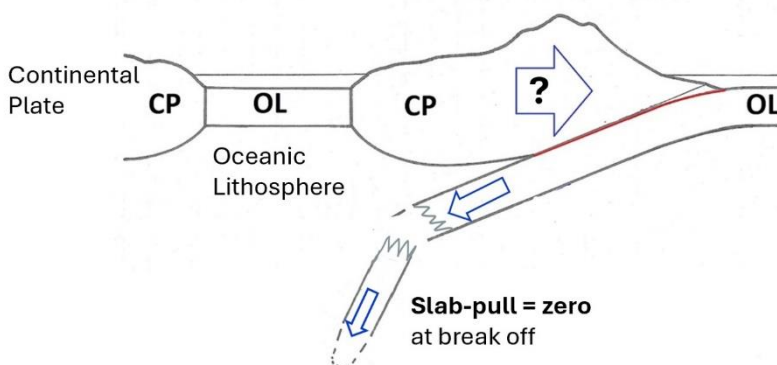


Robert “Bob” Maurer, Honorary Member of HHGS, has previously given talks on his theory of the Rotating Earth and Plate Tectonics and has published a book with this title. In 2024, his ideas gained traction with a paper published in Okayama University's Earth Science Reports. In July he was keynote speaker at the 10th International Conference of Tectonics and Structural Geology in Tabriz, Iran, which he attended online. His talk can be viewed on YouTube:

<https://youtu.be/SFv5qsdQLSc?feature=shared>

Bob is a Fellow of the Geological Society of London (FGS) and a Fellow of the Institute of Measurement and Control (FInstMC). During his career as an engineer he had many patents for his designs, and was very proud of the fact that flow meters he had made and installed in 1990 were still running in 2024 at 20,000rpm, 24/7.

What is the force that drives the Continental Plates?



Like trying to run up an escalator that's going down! An additional force is needed.

The Hess Model accounts for the downward motion of the subducting plate, but can it explain the movement of the continental plate over the top?