

*The Journal of the Geological Society*  
Volume 158, Part 5, September 2001

---

**Specials**

- BEERLING, D. J., LOMAX, B. H., UPCHURCH, G. R. JR, NICHOLS, D. J., PILLMORE, C. L., HANDLEY, L. L. & SCRIMGEOUR, C. M. Evidence for the recovery of terrestrial ecosystems ahead of marine primary production following a biotic crisis at the Cretaceous–Tertiary boundary 737
- EVANS, J. A., CHISHOLM, J. I. & LENG, M. J. How U–Pb detrital monazite ages contribute to the interpretation of the Pennine Basin infill 741

**Papers**

- LITTLE, T. A. & MORTIMER, N. Rotation of ductile fabrics across the Alpine Fault and Cenozoic bending of the New Zealand Orocline 745
- CANN, J. R., PRICHARD, H. M., MALPAS, J. G. & XENOPHONTOS, C. Oceanic inside corner detachments of the Limassol Forest area, Troodos ophiolite, Cyprus 757
- GESSNER, K., RING, U., PASSCHIER, C. W. & GÜNGÖR, T. How to resist subduction: evidence for large-scale out-of-sequence thrusting during Eocene collision in western Turkey 769
- BAILEY, R. J. Sequence stratigraphy and orbital forcing in Permian (Rotliegend) desert deposits: a discussion 785
- SHERLOCK, S. C. Two-stage erosion and deposition in a continental margin setting: a  $^{40}\text{Ar}/^{39}\text{Ar}$  laserprobe study of offshore detrital white micas in the Norwegian Sea 793
- HAGEN, E., KELLEY, S. P., DYPVIK, H., NILSEN, O. & KJØLHAMAR, B. Direct dating of authigenic K-feldspar overgrowths from the Kilombero Rift of Tanzania 801
- NUTMAN, A. P., GREEN, D. H., COOK, C. A., STYLES, M. T. & HOLDSWORTH, R. E. SHRIMP U–Pb zircon dating of the exhumation of the Lizard Peridotite and its emplacement over crustal rocks: constraints for tectonic models 809
- STEWART, M., STRACHAN, R. A., MARTIN, M. W. & HOLDSWORTH, R. E. Constraints on early sinistral displacements along the Great Glen Fault Zone, Scotland: structural setting, U–Pb geochronology and emplacement of the syn-tectonic Clunes tonalite 821
- FAIRCHILD, I. J., BAKER, A., BORSATO, A., FRISIA, S., HINTON, R. W., McDERMOTT, F. & TOOTH, A. F. Annual to sub-annual resolution of multiple-trace-element trends in speleothems 831
- JAPPY, T. G., LEAKE, B. E. & FALICK, A. E. Relationships between hornblende K–Ar ages, chemical composition and hydrogen isotopes, Connemara, western Ireland: evidence for a massive extinct hydrothermal systems 843
- MILLAR, I. L., WILLAN, R. C. R., WAREHAM, C. D. & BOYCE, A. J. The role of crustal and mantle sources in the genesis of granitoids of the Antarctic Peninsula and adjacent crustal blocks 855
- GOULTY, N. R., DOBSON, A. R., JONES, G. D., AL-KINDI, S. A. & HOLLAND, J. G. Gravity evidence for diapiric ascent of the Northern Arran Granite 869

**Discussion**

- SIMMS, M. J. and DONOVAN, D. T. *Discussion* of lithospheric flexure, uplift and landscape evolution in south-central England; *reply* by WATTS, A. B., MCKERROW, W. S. & FIELDING, E. 877

---

Geological Society Internet Site: [www.geolsoc.org.uk](http://www.geolsoc.org.uk)  
JGS Online: [www.ingenta.com/journals/browse/geol/jgs](http://www.ingenta.com/journals/browse/geol/jgs)  
Geological Society on-line bookshop: [bookshop.geolsoc.org.uk](http://bookshop.geolsoc.org.uk)

Abstracted and/or indexed in *Current Contents*, *Science Citation Index*, *GeoArchive*, *GeoRef*, *Geobase*, *Petroleum Abstracts*, *Geological Abstracts* and *Mineralogical Abstracts*.

Published by the Geological Society, Burlington House, Piccadilly, London W1V 0JU



0016-7649(200109)158:5;1-G