

JOURNAL OF THE GEOLOGICAL SOCIETY

Volume 164, Part 2, March 2007

Bicentennial Reviews

- CAWOOD, P. A., NEMCHIN, A. A., STRACHAN, R. A., PRAVE, T. & KRABBENDAM, M. Sedimentary basin and detrital zircon record along East Laurentia and Baltica during assembly and breakup of Rodinia 257
- LEEDER, M. Cybertectonic Earth and Gaia's weak hand: sedimentary geology, sediment cycling and the Earth system 277
- PLATT, J. P. From orogenic hinterlands to Mediterranean-style back-arc basins: a comparative analysis 297

Specials

- MCCABE, A. M., CLARK, P. U., SMITH, D. E. & DUNLOP, P. A revised model for the last deglaciation of eastern Scotland 313

Research articles

- FRANCIS, J. E., HAYWOOD, A. M., ASHWORTH, A. C., & VALDES, P. J. Tundra environments in the Neogene Sirius Group, Antarctica: evidence from the geological record and coupled atmosphere–vegetation models 317
- HARRINGTON, G. J. & JARAMILLO, C. A. Paratropical floral extinction in the Late Palaeocene–Early Eocene 323
- TAKASHIMA, R., SANO, S., IBA, Y. & NISHI, H. The first Pacific record of the Late Aptian warming event 333
- BLUCK, B. J., WARD, J. D., CARTWRIGHT, J. A. & SWART, R. The Orange River, southern Africa: an extreme example of a wave dominated dispersal system in the South Atlantic Ocean 341
- DADE, W. B. & VERDEYEN, M. E. Tectonic and climatic controls of alluvial-fan size and source-catchment relief 353
- MCILROY, D. Lateral variability in shallow marine ichnofabrics: implications for the ichnofabric analysis method 359
- MANNING, D. A. C., YOUNGER, P. L., SMITH, F. W., JONES, J. M., DUFTON, D. J & DISKIN, S. A deep geothermal exploration well at Eastgate, Weardale, UK: a novel exploration concept for low enthalpy resources 371
- VAUGHAN, A. P. M. & STOREY, B. C. A new supercontinent self-destruct mechanism: evidence from the Late Triassic–Early Jurassic 383
- VAN HINSBERG, V. J., ZINNGREBE, E., DE WIJS, H. & VRIEND, S. P. Thermo-chronology of the Barlet metamorphic basement unit: evidence for a Stephanian thermal event linked to Sb mineralizations in the Haut Allier, France 393
- NAWROCKI, J., DUNLAP, J., PECSKAY, Z., KRZEMIŃSKI, L., ŻYLIŃSKA, A., FANNING, M., KOZŁOWSKI, W., SALWA, S., SZCZEPANIK, Z. & TRELA, W. Late Neoproterozoic to Early Palaeozoic palaeogeography of the Holy Cross Mountains (Central Europe): an integrated approach 405
- ROSENBAUM, G., RING, U. & KÜHN, A. Tectonometamorphic evolution of high-pressure rocks from the island of Amorgos (Central Aegean, Greece) 425
- SEARLE, M. P. & PHILLIPS, R. J. Relationships between right-lateral shear along the Karakoram fault and metamorphism, magmatism, exhumation and uplift: evidence from the K2–Gasherbrum–Pangong ranges, North Pakistan and Ladakh 439
- ZHANG, S. H., ZHAO, Y., SONG, B., YANG, Z., HU, J. M. & WU, H. Carboniferous granitic plutons from the northern margin of the North China block: implications for a late Palaeozoic active continental margin 451
- GROSCHE, E. G., BISNATH, A., FRIMMEL, H. E. & BOARD, W. S. Geochemistry and tectonic setting of mafic rocks in western Dronning Maud Land, East Antarctica: implications for the geodynamic evolution of the Proterozoic Maud Belt 465
- Discussion**
- LOCK, B. E. & ROBEY, J. A. Discussion on structure and evolution of hydrothermal vent complexes in the Karoo Basin, South Africa; *reply by* SVENSEN, H., PLANKE, S., JAMTVEIT, B & CHEVALLIER, L. 477
- Erratum* 480



0016-7649(200703)164:2;1-K

Geological Society Internet site: www.geolsoc.org.ukJGS Online: <http://www.ingentaconnect.com/content/geol/jgs>JGS online submission: <http://jgs.allentrack.net>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 of London

Cover image: bioturbation fabric in shallow marine sandstones, Cretaceous Greensand, Denmark. Photo: Gary Hampson.