

JOURNAL OF THE GEOLOGICAL SOCIETY

Volume 166, Part 4, July 2009

Review article

YARDLEY, B. The role of water in the evolution of the continental crust 585

Research articles

GAINA, C., GERNIGON, L. & BALL, P. Palaeocene–Recent plate boundaries in the NE Atlantic and the formation of Jan Mayen microcontinent 601

EVANS, J.A., MONTGOMERY, J. & WILDMAN, G. Isotope domain mapping of $^{87}\text{Sr}/^{86}\text{Sr}$ biosphere variation on the Isle of Skye, Scotland 617

NUNN, E.V., PRICE, G.D., HART, M.B., PAGE, K.N. & LENG, M.J. Isotopic signals from Callovian–Kimmeridgian (Middle–Upper Jurassic) belemnites and bulk organic carbon, Staffin Bay, Isle of Skye, Scotland 633

DURAND, V., LÉONARDI, V., DEFFONTAINES, B. & MACQUAR, J. Fluid transfers in a carbonate-gaseous aquifer through the local tectonic and geodynamic history 643

WIGNALL, P.B., VÉDRINE, S., BOND, D.P.G., WANG, W., LAI, X.-L., ALI, J.R. & JIANG, H.-S. Facies analysis and sea-level change at the Guadalupian–Lopingian Global Stratotype (Laibin, South China), and its bearing on the end-Guadalupian mass extinction 655

KIRSTEIN, L.A., FOEKEN, J.P.T., VAN DER BEEK, P., STUART, F.M. & PHILLIPS, R.J. Cenozoic unroofing history of the Ladakh Batholith, western Himalaya constrained by thermochronology and numerical modelling 667

TORSVIK, T.H., PAULSEN, T.S., HUGHES, N.C., MYROW, P. & GANERØD, M. The Tethyan Himalaya: palaeogeographic and tectonic constraints from Ordovician palaeomagnetic data 679

BAXTER, A.T., AITCHISON, J.C. & ZYABREV, S.V. Radiolarian age constraints on Mesotethyan ocean evolution, and their implications for development of the Bangong–Nujiang suture, Tibet 689

RODRIGUES, N., COBBOLD, P.R., LOSETH, H. & RUFFET, G. Widespread bedding-parallel veins of fibrous calcite ('beef') in a mature source rock (Vaca Muerta Fm, Neuquén Basin, Argentina): evidence for overpressure and horizontal compression 695

BRACCIALI, L., DI VINCENZO, G., ROCCHI, S. & GHEZZO, C. The Tiger Gabbro from northern Victoria Land, Antarctica: the roots of an island arc within the early Palaeozoic margin of Gondwana 711

ZELLMER, G.F. Petrogenesis of Sr-rich adakitic rocks at volcanic arcs: insights from global variations of eruptive style with plate convergence rates and surface heat flux 725

Thematic set: Eclogite-Facies Rocks: A Window into Geodynamics and Lithospheric Evolution

CUTHBERT, S.J. Eclogite-facies rocks: a window into geodynamics and lithospheric evolution: a celebration of the career of Tony Carswell 735

VAN ROERMUND, H. Recent progress in Scandian ultrahigh-pressure metamorphism in the northernmost domain of the Western Gneiss Complex, SW Norway: continental subduction down to 180–200 km depth 739

BRUECKNER, H.K. Subduction of continental crust, the origin of post-orogenic granitoids (and anorthosites?) and the evolution of the Fennoscandia 753

ZHENG, Y.-F. Fluid regime in continental subduction zones: petrological insights from ultrahigh-pressure metamorphic rocks 763

KATAYAMA, I. & MARUYAMA, S. Inclusion study in zircon from ultrahigh-pressure metamorphic rocks in the Kokchetav massif: an excellent tracer of metamorphic history 783

LIATI, A., GEBAUER, D. & FANNING, C.M. Geochronological evaluation of HP metamorphic rocks of the Adula nappe, Central Alps, in pre-Alpine and Alpine subduction zones 797

MARSCHALL, H.R., KORSKOV, A.V., LUVIZOTTO, G.L., NASDALA, L. & LUDWIG, T. On the occurrence and boron isotopic composition of tourmaline in (ultra)high-pressure metamorphic rocks 811

Corrections

Addendum for Keller *et al.*, *Journal of the Geological Society, London*, 166 (3) 393–411 824Erratum for Le Heron & Dowdeswell, *Journal of the Geological Society, London*, 166 (2) 277–281 824Geological Society Internet site: www.geolsoc.org.ukJGS 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: Planar and current ripple cross-stratification within sustained gravity flow bed, Cretaceous Hatch Mesa Sandstone, Utah, USA.
Photo: Gary Hampson

0016-7649(200907)166:4;1-A