

JOURNAL OF THE GEOLOGICAL SOCIETY

Volume 167, Part 1, January 2010

Special

EVANS, J.A., MONTGOMERY, J., WILDMAN, G. & BOULTON, N. Spatial variations in biosphere $^{87}\text{Sr}/^{86}\text{Sr}$ in Britain 1

Research Articles

POLSON, D. & CURTIS, A. Dynamics of uncertainty in geological interpretation 5

GUIDO, D.M., CHANNING, A., CAMPBELL, K.A. & ZAMUNER, A. Jurassic geothermal landscapes and fossil ecosystems at San Agustín, Patagonia, Argentina 11

DERA, G., NEIGE, P., DOMMERGUES, J., FARA, E., LAFFONT, R. & PELLENARD, P. High-resolution dynamics of Early Jurassic marine extinctions: the case of Pliensbachian–Toarcian ammonites (Cephalopoda) 21

GRAPES, R.H. & DOWNES, G.L. Charles Lyell and the great 1855 earthquake in New Zealand: the first recognition of active fault tectonics 35

COTTAM, M., HALL, R., SPERBER, C. & ARMSTRONG, R. Pulsed emplacement of a layered granite: new high-precision age data from Mount Kinabalu, North Borneo 49

ARMITAGE, J.J. & ALLEN, P.A. Cratonic basins and the long-term subsidence history of continental interiors 61

ROBERTS, R.J., CORFU, F., TORSVIK, T.H., HETHERINGTON, C.J. & ASHWAL, L.D. Age of alkaline rocks in the Seiland Igneous Province, Northern Norway 71

OSMUNDSEN, P.T., REDFIELD, T.F., HENDRIKS, B.H.W., BERGH, S., HANSEN, J.-A., HENDERSON, I., DEHLS, J., LAUKNES, T.R., LARSEN, Y., ANDA, E. & DAVIDSEN, B. Fault-controlled alpine topography in Norway 83

KOMBRINK, H., VAN LOCHEM, H. & VAN DER ZWAN, K.J. Seismic interpretation of Dinantian carbonate platforms in the Netherlands; implications for the palaeogeographical and structural development of the Northwest European Carboniferous Basin 99

AVELLONE, G., BARCHI, M.R., CATALANO, R., GASPARO MORTICELLI, M. & SULLI, A. Interference between shallow and deep-seated structures in the Sicilian fold and thrust belt 109

WEIL, A., GUTIERREZ-ALONSO, G. & CONAN, J. New time constrains on lithospheric-scale oroclinal bending of the Ibero-Armorican Arc: a paleomagnetic study of earliest Permian rocks from Iberia 127

RUBINAT, M., LEDO, J., ROCA, E., ROSELL, O. & QUERALT, P. Magnetotelluric characterization of a salt diapir: a case study on Bicornb–Quesa Diapir (Prebetic Zone, SE Spain) 145

AFTABI, P., ROUSTAIE, M., ALSOP, G.I. & TALBOT, C.J. InSAR mapping and modelling of an active Iranian salt extrusion 155

BAIKPOUR, S., ZULAUF, G., DEGHANI, M. & BAHROUDI, A. InSAR maps and time series observations of surface displacements of rock salt extruded near Garmsar, northern Iran 171

SEARLE, M.P., PARRISH, R.R., THOW, A.V., NOBLE, S.R., PHILLIPS, R.J., WATERS, D.J. Anatomy, age and evolution of a collisional mountain belt: the Baltoro granite batholith and Karakoram Metamorphic Complex, Pakistani Karakoram 183

STEINBERG, J., GVIRTZMAN, Z. & FOLKMAN, Y. New age constraints on the evolution of the Mt Carmel structure and its implications on a Late Miocene extensional phase of the Levant continental margin 203

VAN STADEN, A., ZIMMERMANN, U., CHEMALE JR., F., GUTZMER, J. & GERMS, G.J.B. Correlation of Ordovician diamictites from Argentina and South Africa using detrital zircon dating 218

Discussion

PECOITS, E., AUBET, N.R., GINGRAS, M.K. & KONHAUSER, K.O. Discussion on ‘The Neoproterozoic glacial record in the Río de la Plata Craton: a critical reappraisal’ 221

PAZOS, P.J. & SÁNCHEZ BETTUCCI, L. Reply to the discussion on ‘The Neoproterozoic glacial record in the Río de La Plata Craton: a critical reappraisal’ 223



0016-7649(201001)167:1;1-0

Geological Society Internet site: www.geolsoc.org.uk

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: Folded Archaean gneiss, Grense Jakobselv, Finnmark, Norway.
Photo: Haakon Fossen.