The Journal of the Geological Society
Vol. 152, Part 6, November 1995

Specials
BOUCH, J. E., HOLE, M. J., TREWIN, N. H. & MORTON, A. C. Low-temperature mobility of the rare-earth elements during sandstone diagenesis 895
WYATT, A. R. Late Ordovician extinctions and sea-level change 899
OTTO, S. C. & BAILEY, R. J. Tectonic evolution of the northern Ural Orogen 903
POTTS, G. J., HUNTER, R. H., HARRIS, A. L. & FRASER, F. M. Late-orogenic extensional tectonics at the NW margin of the Caledonides in Scotland 907

Papers
MABOKO, M. A. H. Neodymium isotopic constraints on the protolith ages of rocks involved in Pan-African tectonism in the Mozambique Belt of Tanzania 911
HARPER, D. A. T., SCRUTTON, C. T. & WILLIAMS, D. M. Mass mortalities on an Irish Silurian seafloor 917
VAN EVERDINGEN, D. A. & CAWOOD, P. A. Dyke domains in the Mitsero graben, Troodos ophiolite, Cyprus: an off-axis model for graben formation at a spreading centre 923

Thematic set: The Iceland Plume and its Influence on the Evolution of the NE Atlantic
WHITE, R. S. & MORTON, A. C. Introduction: The Iceland plume and its influence on the evolution of the NE Atlantic 933
CLIFT, P. D., TURNER, J. & THE ODP LEG 152 SCIENTIFIC PARTY. Dynamic support by the Iceland plume and its effect on the subsidence of the northern Atlantic margins 935
DEMENT, A., CAMBRAY, H., VANDAMME, D. & LEG 152 SHIPBOARD SCIENTIFIC PARTY. Lithostratigraphy of the volcanic sequences at Hole 917A, Leg 152, SE Greenland margin 943
MORTON, A. C., HITCHEN, K., RITCHIE, J. D., HINE, N. M., WHITEHOUSE, M. & CARTER, S. G. Late Cretaceous basalts from Rosemary Bank, Northern Rockall Trough 947
UPTON, B. G. J., EMELUS, C. H., REX, D. C. & THRILLWALL, M. F. Early Tertiary magmatism in NE Greenland 959
CHALMERS, J. A., LARSEN, L. M. & PEDERSEN, A. K. Widespread Palaeocene volcanism around the northern North Atlantic and Labrador Sea: evidence for a large, hot, early plume head 965
BARTON, A. J. & WHITE, R. S. The Edoras Bank margin; continental break-up in the presence of a mantle plume 971
KERR, A. C. The melting processes and composition of the North Atlantic (Iceland) plume: geochemical evidence from the Early Tertiary basalts 975
KENT, R. W. Magnesian basalts form the Hebrides, Scotland: chemical composition and relationship to the Iceland plume 979
THRILLWALL, M. F. Generation of the Pb isotopic characteristics of the Iceland plume 991
FURMAN, T., FREY, F. & PARK, K.-H. The scale of source heterogeneity beneath the Eastern neovolcanic zone, Iceland 997

(Continued on inside back cover)

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
HARDS, V. L., KEMPTON, P. D. & THOMPSON, R. N. The heterogeneous Iceland plume: new insights from the alkaline basalts of Snaefell volcanic centre 1003

GUDMUNSSON, A. Ocean-ridge discontinuities in Iceland 1011

JACOBY, W. R. & HIGGS, B. Stress generation at ridge axes by plate divergence and magma rise 1017

SMALLWOOD, J. R., WHITE, R. S. & MINSHULL, T. A. Sea-floor spreading in the presence of the Iceland plume: the structure of the Reykjanes Ridge at 61°40'N 1023

TAYLOR, R. N., MURTON, B. J. & THIRWALL, M. F. Petrographic and geochemical variation along the Reykjanes Ridge 57°N–59°N 1031

WHITE, R. S., BOWN, J. W. & SMALLWOOD, J. R. The temperature of the Iceland plume and origin of outward-propagating V-shaped ridges 1039

COFFIN, M. F. & GAHAGAN, L. M. Ontong Java and Kerguelen Plateaux: Cretaceous Icelands? 1047

Discussions

TURNER, J. P. & HANCOCK, P. L. Discussion on palaeostress associated with thrust sheet emplacement and related folding in the southern central Pyrenees, Huesca, Spain; reply by MARTÍNEZ-Peña, M. B, CASAS-SAINZ, A. M. & MILLÁN-GARRIDO, H. 1053