

JOURNAL OF THE GEOLOGICAL SOCIETY

Volume 165, Part 2, March 2008

Specials

BUTLER, R. W. H., BOND, C. E., SHIPTON, Z. K., JONES, R. R. & CASEY, M. Fabric anisotropy controls faulting in the continental crust 449

Review articles

JACKSON, J., MCKENZIE, D., PRIESTLEY, K. & EMMERSON, B. New views on the structure and rheology of the lithosphere 453

Research articles

DEMOUX, A., SCHÄRER, U. & CORSINI, M. Variscan evolution of the Tanneron massif, SE France, examined through U–Pb monazite ages 467

JEŘÁBEK, P., FARYAD, W. S., SCHULMANN, K., LEXA, O. & TAJČMANOVA, L. Alpine burial and heterogeneous exhumation of Variscan crust in the West Carpathians: insight from thermodynamic and argon diffusion modelling 479

TRANOS, M. D., KACHEV, V. N. & MOUNTRAKIS, D. M. Transtensional origin of the NE–SW Simitli basin along the Strouma (Strymon) Lineament, SW Bulgaria 499

LI, Q., LIU, S., WANG, Z., HAN, B., SHU, G. & WANG, T. Electron microprobe monazite geochronological constraints on the Late Palaeozoic tectonothermal evolution in the Chinese Tianshan 511

SEARLE, M. P., LAW, R. D., GODIN, L., LARSON, K. P., STREULE, M. J., COTTLE, J. M. & JESSUP, M. J. Defining the Himalayan Main Central Thrust in Nepal 523

TESFAYE, S., ROWAN, M. G., MUELLER, K., TRUDGILL, B. D. & HARDING, D. J. Relay and accommodation zones in the Dobe and Hanle grabens, central Afar, Ethiopia and Djibouti 535

MCDUGALL, I. & BROWN, F. H. Geochronology of the pre-KBS Tuff sequence, Omo Group, Turkana Basin 549

GVIRTZMAN, Z., ZILBERMAN, E. & FOLKMAN, Y. Reactivation of the Levant passive margin during the late Tertiary and formation of the Jaffa Basin offshore central Israel 563

OLIVEROS, V., AGUIRRE, L., MORATA, D., SIMONETTI, A., VERGARA, M., BELMAR, M. & CALDERÓN, S. Geochronology of very low-grade Mesozoic Andean metabasites: an approach through the K–Ar, $^{40}\text{Ar}/^{39}\text{Ar}$ and U–Pb LA-MC-ICP-MS methods 579

INWOOD, J., BREWER, T., BRAAKSMA, H. & PEZARD, P. Integration of core, logging and drilling data in modern reefal carbonates to improve core location and recovery estimates (IODP Expedition 310) 585

GLYNN, B., BROWN, C. & ROONEY, S. Coincident swath acoustic backscatter and bathymetry for the interpretation of shallow-water sediment composition and processes 597



0016-7649(200803)165:2;1-I

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: Caledonian augen granite with mafic schlieren, Bettyhill, North Scotland