Contents

Preface vii

Acknowledgements viii

STORTI, F., HOLDSWORTH, R. E. & SALVINI, F. Intraplate strike-slip deformation belts 1

VAUCHEZ, A. & TOMMASI, A. Wrench faults down to the asthenosphere: Geological and geophysical evidence and thermo-mechanical effects 15

SCHREURS, G. Fault development and interaction in distributed strike-slip shear zones: an experimental approach 35


CUNNINGHAM, D., DIJKSTRA, A., HOWARD, J., QUARLES, A. & BADARCH, G. Active intraplate strike-slip faulting and transpressional uplift in the Mongolian Altai 65

UITAMO, W., ELDERS, C. & NICHOLS, G. Relationships between Cenozoic strike-slip faulting and basin opening in northern Thailand 89

FERRACCIOLI, F. & BOZZO, E. Cenozoic strike-slip faulting from the eastern margin of the Wilkes Subglacial Basin to the western margin of the Ross Sea Rift: an aeromagnetic connection 109

PERRITT, S. H. & WATKEYS, M. K. Implications of late Pan-African shearing in western Dronning Maud Land, Antarctica 135

ROCCHI, S., STORTI, F., DI VINCENZO, G. & ROSSETTI, F. Intraplate strike-slip tectonics as an alternative to mantle plume activity for the Cenozoic rift magmatism in the Ross Sea region, Antarctica 145

MARSHAK, S., NELSON, W. J. & MCBRIDE, J. H. Phanerozoic strike-slip faulting in the continental interior platform of the United States: examples from the Laramide Orogen, Midcontinent, and ancestral Rocky Mountains 159

MURPHY, J. B. Late Palaeozoic formation and development of the St Marys Basin, mainland Nova Scotia, Canada: a prolonged record of intracontinental strike-slip deformation during the assembly of Pangaea 185

REIJS, J. & McCLAY, K. The Salina del Fraile pull-apart basin, northwest Argentina 197

MOHRIAK, W. U. & ROSENDAHL, B. R. Transform zones in the South Atlantic rifted continental margins 211

Index 229