

Contents

Preface	vii
WERNICKE, B. The detachment era (1977–1982) and its role in revolutionizing continental tectonics	1
BOULTON, C., DAVIES, T. & MCSAVENEY, M. The frictional strength of granular fault gouge: application of theory to the mechanics of low-angle normal faults	9
MAROTTA, A. M., SPALLA, M. I. & GOSSO, G. Upper and lower crustal evolution during lithospheric extension: numerical modelling and natural footprints from the European Alps	33
STERN, T. A. Reconciling short- and long-term measures of extension in continental back arcs: heat flux, crustal structure and rotations within central North Island, New Zealand	73
TULLOCH, A. J., RAMEZANI, J., MORTIMER, N., MORTENSEN, J., VAN DEN BOGAARD, P. & MAAS, R. Cretaceous felsic volcanism in New Zealand and Lord Howe Rise (Zealandia) as a precursor to final Gondwana break-up	89
SKOURTSOS, E. & KRANIS, H. Structure and evolution of the western Corinth Rift, through new field data from the Northern Peloponnesus	119
THOMSON, S. N., RING, U., BRICHAU, S., GLODNY, J. & WILL, T. M. Timing and nature of formation of the Ios metamorphic core complex, southern Cyclades, Greece	139
RING, U., THOMSON, S. N. & ROSENBAUM, G. Timing of the Amorgos detachment system and implications for detachment faulting in the southern Aegean Sea, Greece	169
SEWARD, D., VANDERHAEGHE, O., SIEBENALLER, L., THOMSON, S., HIBSCH, C., ZINGG, A., HOLZNER, P., RING, U. & DUCHÊNE, S. Cenozoic tectonic evolution of Naxos Island through a multi-faceted approach of fission-track analysis	179
DILEK, Y., ALTUNKAYNAK, Ş. & ÖNER, Z. Syn-extensional granitoids in the Menderes core complex and the late Cenozoic extensional tectonics of the Aegean province	197
KORJA, A., KOSUNEN, P. & HEIKKINEN, P. A case study of lateral spreading: the Precambrian Svecofennian Orogen	225
Index	253