

Contents

CUNNINGHAM, W. D. & MANN, P. Tectonics of strike-slip restraining and releasing bends	1
MANN, P. Global catalogue, classification and tectonic origins of restraining- and releasing bends on active and ancient strike-slip fault systems	13
Bends, sedimentary basins and earthquake hazards	
LEGG, M. R., GOLDFINGER, C., KAMERLING, M. J., CHAYTOR, J. D. & EINSTEIN, D. E. Morphology, structure and evolution of California Continental Borderland restraining bends	143
WAKABAYASHI, J. Steppovers that migrate with respect to affected deposits: field characteristics and speculation on some details of their evolution	169
GRAYMER, R. W., LANGENHEIM, V. E., SIMPSON, R. W., JACHENS, R. C. & PONCE, D. A. Relatively simple through-going fault planes at large-earthquake depth may be concealed by the surface complexity of strike-slip faults	189
BOHOYO, F., GALINDO-ZALDÍVAR, J., JABALOY, A., MALDONADO, A., RODRÍGUEZ-FERNÁNDEZ, J., SCHREIDER, A. & SURIÑACH, E. Extensional deformation and development of deep basins associated with the sinistral transcurrent fault zone of the Scotia–Antarctic plate boundary	203
Restraining bends, transpressional deformation and basement controls on development	
CUNNINGHAM, W. D. Structural and topographic characteristics of restraining bend mountain ranges of the Altai, Gobi Altai and easternmost Tien Shan	219
MANN, P., DEMETS, C. & WIGGINS-GRANDISON, M. Toward a better understanding of the Late Neogene strike-slip restraining bend in Jamaica: geodetic, geological, and seismic constraints	239
SEYREK, A., DEMİR, T., PRINGLE, M. S., YURTMEN, S., WESTAWAY, R. W. C., BECK, A. & ROWBOTHAM, G. Kinematics of the Amanos Fault, southern Turkey, from Ar/Ar dating of offset Pleistocene basalt flows: transpression between the African and Arabian plates	255
GOMEZ, F., NEMER, T., Tabet, C., KHAWLIE, M., MEGHRAOUI, M. & BARAZANGI, M. Strain partitioning of active transpression within the Lebanese restraining bend of the Dead Sea Fault (Lebanon and SW Syria)	285
SMITH, M., CHANTRAPRASERT, S., MORLEY, C. K. & CARTWRIGHT, I. Structural geometry and timing of deformation in the Chainat duplex, Thailand	305
MORLEY, C. K., SMITH, M., CARTER, A., CHARUSIRI, P. & CHANTRAPRASERT, S. Evolution of deformation styles at a major restraining bend, constraints from cooling histories, Mae Ping fault zone, western Thailand	325
ZAMPIERI, D. & MASSIRONI, M. Evolution of a poly-deformed relay zone between fault segments in the eastern Southern Alps, Italy	351
WALDRON, J. W. F., ROSELLI, C. & JOHNSTON, S. K. Transpressional structures on a Late Palaeozoic intracontinental transform fault, Canadian Appalachians	367
Releasing bends, transtensional deformation and fluid flow	
MOUSLOPOULOU, V., LITTLE, T. A., NICOL, A. & WALSH, J. J. Terminations of large strike-slip faults: an alternative model from New Zealand	387
FODOR, L. I. Segment linkage and the state of stress in transtensional transfer zones: field examples from the Pannonian Basin	417

DE PAOLA, N., HOLDSWORTH, R. E., COLLETTINI, C., MCCAFFREY, K. J. W. & BARCHI, M. R. The structural evolution of dilational stepovers in regional transtensional zones	433
BERGER, B. R. The 3D fault and vein architecture of strike-slip releasing- and restraining bends: evidence from volcanic-centre-related mineral deposits	447
Index	473