

## CONTENTS

Mike Coward (1945–2003): portrait of a structural geologist	vii
Butler, R. W. H., Graham, R. H. & Ries, A. C. Introduction: the deformation of continental crust and Mike Coward's impact on its understanding	1
Graham, R. H. Mike Coward's early days: the Lewisian, and what he made of it	9
Wheeler, J. A major high-strain zone in the Lewisian Complex in the Loch Torridon area, NW Scotland: insights into deep crustal deformation	27
Tatham, D. J. & Casey, M. Inferences from shear zone geometry: an example from the Laxfordian shear zone at Upper Badcall, Lewisian Complex, NW Scotland	47
Cosgrove, J. W. The use of shear zones and related structures as kinematic indicators: a review	59
Alsop, G. I. & Holdsworth, R. E. Flow perturbation folding in shear zones	75
Butler, R. W. H., Matthews, S. J. & Morgan, R. K. Structural evolution of the Achnashellach Culmination, southern Moine Thrust Belt: testing the duplex model	103
Holdsworth, R. E., Alsop, G. I. & Strachan, R. A. Tectonic stratigraphy and structural continuity of the northernmost Moine Thrust Zone and Moine Nappe, Scottish Caledonides	121
Vitale, S., Iannace, A. & Mazzoli, S. Strain variations within a major carbonate thrust sheet of the Apennine collisional belt, northern Calabria, southern Italy	143
Treloar, P. J., Vince, K. J. & Law, R. D. Two-phase exhumation of ultra high-pressure and medium-pressure Indian Plate rocks from the Pakistan Himalaya	155
Al-Wardi, M. & Butler, R. W. H. Constrictional extensional tectonics in the northern Oman mountains, its role in culmination development and the exhumation of the subducted Arabian continental margin	187
Bond, C. E., Butler, R. W. H. & Dixon, J. E. Co-axial horizontal stretching within extending orogens: the exhumation of HP rocks on Syros (Cyclades) revisited	203
Daly, M. C. Geometry and evolution of the Mesoproterozoic Irumide Belt of Zambia	223
Robertson, A. H. F., Parlak, O., Rızaoğlu, T., Ünlügenç, U. C., İnan, N., Taşlı, K. & Ustaömer, T. Tectonic evolution of the South Tethyan ocean: evidence from the Eastern Taurus Mountains (Elazığ region, SE Turkey)	231
Nemčok, M., Dilov, T., Wojtaszek, M., Ludhová, L., Klecker, R. A., Sercombe, W. J. & Coward, M. P. Dynamics of the Polish and Eastern Slovakian parts of the Carpathian accretionary wedge: insights from palaeostress analyses	271
Acosta, J., Velandia, F., Osorio, J., Loneragan, L. & Mora, H. Strike-slip deformation within the Colombian Andes	303
Cobbold, P. R., Rossello, E. A., Roperch, P., Arriagada, C., Gómez, L. A. & Lima, C. Distribution, timing, and causes of Andean deformation across South America	321
Davison, I. Geology and tectonics of the South Atlantic Brazilian salt basins	345
Stewart, S. A. Salt tectonics in the North Sea Basin: a structural style template for seismic interpreters	361
Mattioni, L., Sassi, W. & Callot, J.-P. Analogue models of basin inversion by transpression: role of structural heterogeneity	397
Sepehr, M. & Cosgrove, J. W. The role of major fault zones in controlling the geometry and spatial organization of structures in the Zagros Fold–Thrust Belt	419
Casini, G., Decandia, F. A. & Tavarnelli, E. Analysis of a mesoscopic duplex in SW Tuscany, Italy: implications for thrust system development during positive tectonic inversion	437
Cooper, M. Structural style and hydrocarbon prospectivity in fold and thrust belts: a global review	447
Sassi, W., Graham, R., Gillcrist, R., Adams, M. & Gomez, R. The impact of deformation timing on the prospectivity of the Middle Magdalena sub-thrust, Colombia	473

Belayneh, M., Matthäi, S. K. & Cosgrove, J. W. The implications of fracture swarms in the Chalk of SE England on the tectonic history of the basin and their impact on fluid flow in high-porosity, low-permeability rocks	499
Sibson, R. H. Au–quartz mineralization near the base of the continental seismogenic zone	519
Beach, A. & Smith, R. Structural geometry and development of the Witwatersrand Basin, South Africa	533
Jolley, S. J., Stuart, G. W., Freeman, S. R., Knipe, R. J., Kershaw, D., McAllister, E., Barnicoat, A. C. & Tucker, R. F. Progressive evolution of a late orogenic thrust system, from duplex development to extensional reactivation and disruption: Witwatersrand Basin, South Africa	543
Muntean, J. L., Coward, M. P. & Tarnocai, C. A. Reactivated Palaeozoic normal faults: controls on the formation of Carlin-type gold deposits in north–central Nevada	571
Index	589