

Contents

	Page
Preface: HUTTON, D. H. W. & SANDERSON, D. J.	vii
 MAINLAND EUROPE	
WEBER, K. Variscan events: early Palaeozoic continental rift metamorphism and late Palaeozoic crustal shortening	3
MEISSNER, R., SPRINGER, M. & FLÜH, E. Tectonics of the Variscides in North-Western Germany based on seismic reflection measurements	23
FRANKE, W. Late events in the tectonic history of the Saxothuringian zone	33
BURG, J. P., LEYRELOUP, A., MARCHAND, J. & MATTE, Ph. Inverted metamorphic zonation and large-scale thrusting in the Variscan Belt: an example in the French Massif Central	47
QUENARDEL, J.-M. & ROLIN, P. Palaeozoic evolution of the Plateau d'Aigurande (NW Massif Central, France)	63
MATTHEWS, S. C. Northern margins of the Variscides in the North Atlantic region: comments on the tectonic context of the problem	71
 BRITAIN	
COWARD, M. P. & SMALLWOOD, S. An interpretation of the Variscan tectonics of SW Britain	89
LEVERIDGE, B. E., HOLDER, M. T. & DAY, G. A. Thrust nappe tectonics in the Devonian of south Cornwall and the western English Channel	103
CHAPMAN, T. J., FRY, R. L. & HEAVEY, P. T. A structural cross-section through SW Devon	113
EDWARDS, J. W. F. Interpretations of seismic and gravity surveys over the eastern part of the Cornubian platform	119
SHACKLETON, R. M. Thin-skinned tectonics, basement control and the Variscan front ...	125
ARTHURTON, R. S. The Ribblesdale fold belt, NW England—a Dinantian–early Namurian dextral shear zone	131
CRITCHLEY, M. F. Variscan tectonics of the Alston block, northern England	139
 IRELAND	
SANDERSON, D. J. Structural variation across the northern margin of the Variscides in NW Europe	149
COOPER, M. A., COLLINS, D., FORD, M., MURPHY, F. X. & TRAYNER, P. M. Structural style, shortening estimates and the thrust front of the Irish Variscides	167
MAX, M. D. & LEFORT, J. P. Does the Variscan front in Ireland follow a dextral shear zone?	177
COLLER, D. W. Variscan structures in the Upper Palaeozoic rocks of west central Ireland	185
 NORTH AMERICA	
RAST, N. The Alleghenian orogeny in eastern North America	197
LEFORT, J.-P. & HAWORTH, R. T. Geophysical evidence for the extension of the Variscan front on to the Canadian continental margin: geodynamic and palaeogeographic consequences	219
MOSHER, S. & RAST, N. The deformation and metamorphism of Carboniferous rocks in Maritime Canada and New England	233
WINTSCH, R. P. & LEFORT, J.-P. A clockwise rotation of Variscan strain orientation in SE New England and regional implications	245
BREWSTER, J. A. Clues to the deep structure of the European Variscides from crustal seismic profiling in North America	253
Index	265