

Contents

Generalized Comparison of the Variscan with the Damara Orogen H. Martin and H.-J. Behr (With 1 Figure)	1
<hr/>	
The Variscan Belt of Central Europe	
<hr/>	
Palaeozoic Sedimentation in the Northern Branch of the Mid-European Variscides - Essay of an Interpretation W. Engel, W. Franke, and F. Langenstrassen (With 10 Figures)	9
Neritic Sedimentation of the Lower and Middle Devonian in the Rheinische Schiefergebirge East of the River Rhine F. Langenstrassen (With 8 Figures)	43
"Pelagic" Carbonates in the Variscan Belt - Their Sedimentary and Tectonic Environments W. Franke and O.H. Walliser (With 1 Figure)	77
Devonian and Carboniferous Limestone-Turbidites of the Rheinisches Schiefergebirge and Their Tectonic Significance F.W. Eder, W. Engel, W. Franke, and P.M. Sadler (With 13 Figures and 2 Plates)	93
Depositional Models for the Carboniferous Flysch of the Eastern Rheinisches Schiefergebirge P.M. Sadler (With 8 Figures)	125
Flysch, Olistostromes and Nappes in the Harz Mountains O.H. Walliser and H. Alberti (With 4 Figures)	145
The Mineral Composition of Rhenohercynian Flysch Sediments and Its Tectonic Significance W. Engel, W. Flehmig, and W. Franke (With 3 Figures)	171
The Sedimentary Development of the Western Rheinisches Schiefergebirge and the Ardennes (Germany/Belgium) W. Kasig and H. Wilder (With 6 Figures and 1 Plate)	185
The Chemical Composition of Sedimentary Deposits in the Rhenohercynian Belt of Central Europe B. Schulz-Dobrick and K.H. Wedepohl (With 2 Figures)	211
Chemical Composition and Genetic Relations of Meta-Volcanic Rocks from the Rhenohercynian Belt of Northwest Germany K.H. Wedepohl, K. Meyer, and G.K. Muecke (With 7 Figures)	231
Mineral Composition of Pelitic Sediments in the Rhenohercynian Zone W. Flehmig (With 3 Figures)	257
Nappe Tectonics in the Southeastern Part of the Rheinisches Schiefergebirge W. Engel, W. Franke, C. Grote, K. Weber, H. Ahrendt, and F.W. Eder (With 6 Figures and 1 Plate)	267
Flysch-Sedimentation: Its Relations to Tectonism in the European Variscides W. Engel and W. Franke (With 5 Figures)	289

Migration of Folding and Metamorphism in the Rheinisches Schiefergebirge Deduced from K-Ar and Rb-Sr Age Determinations H. Ahrendt, N. Clauer, J.C. Hunziker, and K. Weber (With 5 Figures)	323
Experimental Study of Subfluence Tectonics in the Rheinische Schiefergebirge H. Murata and K. Weber (With 5 Figures)	339
Regional Isostatic Model for Vertical Movements in the Shelf Area of the Rhenohercynian Geosyncline H. Wilhelm and U. Schmucker (With 2 Figures)	355
Intracrustal and Subcrustal Thrust-Tectonics at the Northern Margin of the Bohemian Massif H.-J. Behr (With 13 Figures and 3 Plates)	365
The Crustal Structure of the Hercynian Mountain System - A Model for Crustal Thickening by Stacking P. Giese, H. Jödicke, C. Prodehl, and K. Weber (With 16 Figures)	405
Geodynamic Interpretation of the Mid-European Variscides K. Weber and H.-J. Behr (With 9 Figures and 1 Plate)	427
 The Damara Orogen	
<hr/>	
Overview of the Geosynclinal, Structural and Metamorphic Development of the Intracontinental Branch of the Damara Orogen H. Martin (With 6 Figures)	473
Geodynamic Model for the Geosynclinal Development of the Damara Orogen, Namibia/South West Africa H. Porada (With 12 Figures)	503
Turbidites in the Damara Orogen H. Porada and R. Wittig (With 10 Figures and 3 Plates)	543
Sedimentology and Mineralogy of Upper Proterozoic Playa-Lake Deposits in the Damara Orogen H.-J. Behr, H. Ahrendt, H. Martin, H. Porada, J. Röhrs, and K. Weber (With 11 Figures and 5 Plates)	577
Fluid Inclusions and Genetic Aspects of the Damara Orogen H.-J. Behr, E.E. Horn, and H. Porada (With 13 Figures and 4 Plates)	611
The Chemical Composition of the Common Metamorphic Sediments of the Damara Orogen A. Schneider (With 13 Figures)	655
The Root Zone of the Naukluft Nappe Complex: Geodynamic Implications H. Martin, H. Porada, and R. Wittig (With 6 Figures)	679
Structural Development of the Ugab Structural Domain of the Northern Zone of the Damara Orogen K. Weber and H. Ahrendt (With 5 Figures and 3 Plates)	699
The Northern Branch: Depositional Development and Timing of the Structural and Metamorphic Evolution within the Framework of the Damara Orogen H. Ahrendt, H.-J. Behr, N. Clauer, J.C. Hunziker, H. Porada, and K. Weber (With 5 Figures)	723

Compositional Variations of Minerals in Metapelites Involved in Low- to Medium Grade Isograd Reactions in the Southern Damara Orogen, Namibia, South West Africa E. Hoffer (With 9 Figures and 1 Plate)	745
Metamorphism of Siliceous Dolomites of the Central and Southern Part of the Damara Orogen D. Puhan (With 8 Figures)	767
Experimental Investigation of the Stability Conditions of Petrologically Significant Calc-Silicate Assemblages Observed in the Damara Orogen P. Metz (With 8 Figures)	785
Experimental Investigation of the Stability Conditions of a Petrological Significant Calc-Silicate Assemblage Observed in Originally Marly Rocks in the Kuiseb Formation of the Damara Orogen B. Storre and K.-H. Nitsch (With 3 Figures)	795
Crustal Radioactivity and Motion as Causes of Regional Metamorphism in the Damara Orogen O. Hartmann, E. Hoffer, and U. Haack (With 6 Figures).....	803
A Survey of Granitic Rocks of the Damara Orogen and Considerations on Their Origin H.G.F. Winkler (With 7 Figures)	817
Geochronology of the Damara Orogen - A Review U. Haack and H. Martin (With 2 Figures)	839
Genesis of Damaran Granites in the Light of Rb/Sr and $\delta^{18}O$ Data U. Haack, J. Hoefs, and E. Gohn (With 9 Figures)	847
Reconstruction of the Cooling History of the Damara Orogen by Correlation of Radiometric Ages with Geography and Altitude U. Haack (With 9 Figures)	873
Deep Seismic Sounding in the Area of the Damara Orogen, Namibia, South West Africa B. Baier, H. Berckhemer, D. Gajewski, R.W. Green, Ch. Grimsel, C. Prodehl, and R. Veas (With 16 Figures)	885
The Join of the Coastal and Intracontinental Branches of the Damara Orogen, Namibia, South West Africa H. Porada, H. Ahrendt, H.-J. Behr, and K. Weber (With 4 Figures)	901
Alternative Geodynamic Models for the Damara Orogeny. A Critical Discussion H. Martin (With 11 Figures)	913