

# Regional Geology Publications



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T McCann

This two-volume set provides the first comprehensive account in English of the geology of Central Europe. Written by more than 200 scientists from universities and research centres spread across Europe and North America, the 21 chapters are based on the main stratigraphic periods. Individual chapters outline the evolution of the region divided into a variety of sections which include overviews of the stratigraphic framework, climate, sea-level variations, palaeogeography and magmatic activity. Available in separate volumes.



# Petroleum Geology of NW Europe: 50 Years of Learning – Proceedings of the 8th Petroleum Geology Conference

M. Bowman and B. Levell

The 8th Conference on the Petroleum Geology of NW Europe was held in September 2015 and marked the 50th anniversary of the first commercial discovery offshore in the North Sea (West Sole, in September 1965). Its focus was '50 Years of Learning – a Platform for Present Value and Future Success' and its objective was to provide an update on discoveries, developments, technologies and geological concepts from the region.



# Tectonostratigraphic Atlas of the Northeast Atlantic Region

John R. Hopper, Thomas Funck, Martyn Stoker, Uni Arting, Gwenn Peron-Pinvidic, Hans Doornebal and Carmen Gaina

The NAG-TEC Atlas provides a comprehensive review of geological and geophysical information over the northeast Atlantic region. The main focus was to investigate the tectonic evolution of the region with a particular emphasis on basin evolution along conjugate margins.

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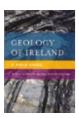
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Pat Meere, Ivor McCarthy, John Reavy, Allistair Allen & Ken Higgs

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## Volcanoes of Europe, Second edition (paperback)

Dougal Jerram, Alwyn Scarth and Jean-Claude Tanguy

Volcanoes are intimately tied to the history of humanity, they help forge the Earth's crust and atmosphere, and they are very much an active feature of today. The archaeology of most ancient civilizations of Europe preserves the imprint of spectacular and volcanic phenomena while, in modern times life is still affected by large eruptions from Europe's active volcanic systems.

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N H Trewin

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Brian Upton

Scotland's mountains and glens retain the secrets of the long and frequently violent geological history that has gone into their making. Volcanoes have played a major role in the creation of Scotland and while the voungest, a mere sixty million years old, were responsible for much of the scenic splendour of the Inner Hebrides, the rocks composing many of the famous Scottish landforms as, for example, those of Glencoe and the Edinburgh district are also the direct result of volcanism.

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# Geology of Scotland

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### The Dalradian of Scotland

Jack Treagus

This new guide has itineraries grounded in a well understood and documented stratigraphy that spans all periods from Pre-Cambrian through to Triassic and covers lithologies from volcanic tuffs and lavas through fossiliferous marine and fluviatile sediments to aeolian sandstones. The authors hope to share their thrill of finding that the older classic areas of Shropshire still have the capacity to inspire.



## A Geological Excursion Guide to the Stirling and Perth Area

M.A.E Browne and C. Gillen

The Stirling and Perth area comprises some wonderfully varied geology, from the Dalradian metamorphic rocks in the southern Highlands to a range of sedimentary and igneous rocks within the Midland Valley. The eighteen excursions in this book guide the reader to the best geology that this region has to offer, from complex metamorphic rocks around Dunkeld. through the terrestrial old red sandstone around Perth. to the younger and more varied Carboniferous sedimentary rocks south of Stirling.

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#### Special Publication 390

## New Perspectives on the Caledonides of Scandinavia and Related Areas

F. Corfu, D. Gasser and D.M. Chew

The Caledonides are a major orogenic belt that stretches from the Arctic, through Scandinavia, East Greenland, Britain and Ireland into the Atlantic coast of North America. Following the break-up of Rodinia, the Caledonides formed in the Palaeozoic by the drifting of various continents and their eventual aggregation in the Silurian and Devonian.



#### Special Publication 434

## Mesozoic Biotas of Scandinavia and its Arctic Territories

B.P. Kear, J. Lindgren, J.H. Hurum, J Milan and V. Vajda

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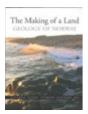
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Ivar B. Ramberg, Inge Bryhni, Arvid Nottvedt and Kristin Rangnes

"The Making of a Land - Geology of Norway" takes the reader on a journey in geological time, from primordial times to the present day. A fantastic journey from the summits of Norway's spectacular rugged and weather-beaten mountains to the riches concealed in the sedimentary rocks on the continental shelf.



#### Special Publication 167

# Dynamics of the Norwegian Margin

A Nottvedt

The papers and research results presented here have been prepared as part of the Integrated Basin Studies project. This project had the objective of studying the lithospheric and upper crustal processes governing the formation and evolution of extensional and foreland basins and to decipher the role of tectonics, sea level and sedimentary processes in the filling of such basins.

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## The Tectonic Setting and Origin of Cretaceous Batholiths within the North American Cordillera

Robert S. Hildebrand and Joseph B. Whalen

In this Special Paper, Hildebrand and Whalen present a big-picture, paradigm-busting synthesis that examines the tectonic setting, temporal relations, and geochemistry of many plutons within Cretaceous batholithic terranes of the North American Cordillera.



# The Geology of Chile (Paperback)

T Moreno and W. Gibbons

This book is the first comprehensive account in English of the geology of Chile, providing a key reference work that brings together many years of research, and written mostly by Chilean authors from various universities and other centres of research excellence

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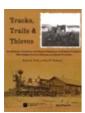
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Tectonically Myanmar lies at the eastern end of the Himalayan Mountain Chain and over the last 50 Ma has been profoundly affected by the collision between India and Eurasia, which is still ongoing, with frequent destructive earthquakes.

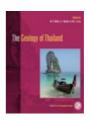


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## Geological Evolution of Central Asian Basins and the Western Tien Shan Range

M.F. Brunet, T. McCann and E.R. Sobel

This volume presents multidisciplinary results and reviews from research groups in Europe and Central Asia that focus on the western part of the Tien Shan and some of the adjacent large sedimentary basins. These works elucidate the Late Palaeozoic–Cenozoic tectono-sedimentary evolution of the area.



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## Geology of Japan

T Moreno, S.R. Wallis, T Kojima and W. Gibbons

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J.A. Dowdeswell, M. Canals, M. Jakobssen, B.J. Todd, E.K. Dowdeswell and K. Hogan

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S.L. Harley, I.C.W. Fitzsimons and Y. Zhao

This volume highlights our improved understanding of the tectonic events that have shaped Antarctica and how these potentially relate to supercontinent assembly and fragmentation. The internal constitution of the East Antarctic Shield is assessed using information available.

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M.J. Siegert, S.S.R. Jamieson and D.A. White

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G.J.H McCall, A.J. Bowden and R.J Howarth

This Special Publication has 24 papers with an international authorship, and is prefaced by an introductory overview which presents highlights in the field. The first section covers the acceptance by science of the reality of the falls of rock and metal from the sky, an account that takes the reader from BCE (before common era) to the nineteenth century.

## **Planetary Mineralogy**

M.R Lee and H. Leroux

This volume of the EMU
Notes in Mineralogy is one of
the outcomes of a school in
planetary mineralogy that was
held in Glasgow, Scotland, in
2014. The school was inspired
by the recent advances in our
understanding of the nature
and evolution of our Solar
System that have come from the
missions to study and sample
asteroids and comets, and the
very successful Mars orbiters
and landers.

# Energy Resources for Human Settlement in the Solar System and Earth's Future in Space

William A. Ambrose, James F. Reilly II, and Douglas C. Peters

This Memoir is a comprehensive and integrated review of energy and mineral resources in the Solar System, including materials that can both sustain future manned expeditions and colonies in space and support Earth's energy and critical material challenges in the 21st century and beyond.

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John Grotzinger and Ralph Milliken

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