Journal of Metamorphic Geology

Editors

Dr Michael Brown
Department of Geology &
Physical Sciences,
Oxford Polytechnic,
Headington,
Oxford OX3 0BP, U.K.

Professor Timothy P. Loomis Department of Geosciences, The University of Arizona, Tucson, Arizona 85721, U.S.A.

Professor R.H. Vernon School of Earth Sciences, Macquarie University, North Ryde, New South Wales 2113, Australia This new journal brings together research on all aspects of metamorphic geology from a wide range of specialisms and will appeal to workers in the fields of metamorphic petrology, mineral deposits geology, geochemistry and other related fields in geology.

The scope of the journal extends over the whole range of metamorphic studies from the scale of the individual crystal to that of the lithospheric plate, including the properties of metamorphic minerals, the theoretical and experimental study of metamorphic reactions, the geochemistry of metamorphic rocks (including isotope geochemistry and fluid inclusion studies), microstructural studies of metamorphic rocks, deformation in relation to metamorphism, regional studies of metamorphic terrains (including geochemistry and geophysics), the environment of formation of metamorphic rocks, and economic aspects of metamorphic terrains (including the metamorphism of mineral deposits).

The journal is published quarterly. The subscription rates for 1984 are £44.00 (U.K.), £53.00 (overseas), \$97.50 (U.S.A. & Canada) post free.

Fellows of the Geological Society of London are entitled to subscribe at half price by applying direct to the Society; members of other recognised geological societies may obtain a 50% discount by applying to the publishers.

Research workers in the field of metamorphic geology are invited to submit material for publication in the journal direct to one of the editors from whom detailed 'Notes for the guidance of authors' may be obtained on request.

Order Form

Send to Blackwell Scientific Publications Ltd, P.O. Box 88, Oxford, England

Please tick the appropriate box

I would like to subscribe to Journal of Metamorphic Geology and I enclose my remittance for the first volume

I would like a free specimen copy of Journal of Metamorphic Geology

I would like to receive some information on contributing to Journal of Metamorphic Geology

Name

Address

Blackwell Scientific Publications

Oxford · London · Edinburgh · Boston · Melbourne

Geological Magazine, 121, 2

Journal of the Geological Society

Edited by G.C. Brown, M. Brown, L.E. Frostick, M.F. Horder, A.H.F. Robertson, P.W.G. Tanner, G. Thomas and G.K. Westbrook

The Journal of the Geological Society enjoys a truly international circulation in at least 89 countries and has been published continuously since 1845. It has risen to become one of the world's leading references for significant research in the geological sciences. It publishes only material of the highest quality and is the medium of choice for reports of work by internationally recognized authorities in the subject. Occasionally, issues are published in which papers are devoted to a single topic, or topics, of current interest. These Thematic Issues present an authoritative review of significant work in the fields concerned. They are available separately and enjoy a sale far beyond the normal subcription to the journal.

Manuscripts for publication should be addressed to the Publications Secretary, Geological Society, Burlington House, London W1V 0JU, U.K.



Subscription Information

Journal of the Geological Society is published bi-monthly.
Subscription rates for 1984 are: £126.00 (U.K.)
£152.00 (overseas)
\$290.00 (U.S.A. & Canada)
post free

Order Form

Blackwell Scientific Publications

Oxford · London · Edinburgh · Boston · Melbourne

NOTES FOR CONTRIBUTORS

Contributions for publication should be addressed to The Editors, *Geological Magazine*, Department of Earth Sciences, Downing Street, Cambridge CB2 3EQ, England. Submission implies that the manuscript has not been published previously nor currently submitted for publication elsewhere.

All contributions, whether articles, correspondence or reviews, must be sent in duplicate and typed on one side of the paper, with wide margins and double-line spacing throughout. Any minor corrections should be made neatly in the typescript, leaving the margins clear. Contributions should follow the general style of papers in recent issues of the *Magazine*. The total length of a paper should not in general exceed 12 pages of the new A4 format of the Magazine, or 13000 word-equivalents. Priority may be given to short papers.

Articles must be accompanied by a brief, informative rather than indicative, abstract. Headings should be set out clearly but not underlined. Primary headings should be in lower case, at margin, with arabic numeral; subheadings should be numbered 2.a., 2.b., etc., and tertiary headings 2.a.1., 2.a.2. No cross-references should be given by page number, but 'above' and 'below' should be used with the section specified, e.g. Section 2.a.2. The SI system of units should be used. The author should mark in the margin of the manuscript where figures and tables may be inserted. References to points in larger works should, where possible, quote the page reference, e.g. Ager, 1981, p. 102.

Tables should be typed with double-line spacing on sheets separate from the running text. Each table must have a caption that will make the data in the table intelligible without reference to the text.

Illustrations should be drafted for reproduction as single column (80 mm) or full page (168 mm) width. Originals should normally be drawn at twice final area and must be sent in a flat package. Lettering should be of a size so that when reduced the smallest lower-case letters will not be less than about 1 mm. Avoid gross disparities in lettering size on a drawing. Duplicates of illustrations should be sent, and may be prints or, preferably, photocopies reduced to final size. Illustrations in the text, both line drawings and photographs for halftone reproduction, will be referred to as figures (Fig. 2, 2a, etc.). Folding plates will not be accepted. Figures composed of photographs should be glossy prints presented at publication scale. Figure captions must be typed with double-line spacing on sheets separate from the running text.

The accuracy of references is the responsibility of authors. References must be double-spaced and spelt out in full, e.g.

Brooks, M. & James, D. G. 1975. The geological results of seismic refraction surveys in the Bristol Channel, 1970-73. *Journal of the Geological Society of London* 131, 163-82.

Kirby, G. A. 1978. Layered gabbros in the Eastern Lizard, Cornwall, and their significance. Geological Magazine 115, 199–204.

Books should be cited as:

Ager, D. V. 1981. The Nature of the Stratigraphical Record, 2nd ed. London: Macmillan. 122 pp.

Bott, M. H. P. 1973. The evolution of the Atlantic north of the Faroe Islands. In *Implications of Continental Drift to the Earth Sciences*, vol. 1 (ed. D. H. Tarling and S. N. Runcorn), pp. 175–89. London, New York: Academic Press.

Unpublished work, e.g. from dissertations of others, should normally be referred to in the text in parentheses as 'private communication' and not included in the reference list unless in the press.

Twenty-five offprints of each paper will be provided free of charge. Additional offprints may be purchased according to a set scale of charges.

Geological Magazine

Volume 121, Number 2, March 1984

PYE, K.	81-84
Rapid estimation of porosity and mineral abundance in backscattered electron images using a simple SEM image analyser	
CAMERON, T. D. J., BONNY, A. P., GREGORY, D. M. & HARLAND, R. Lower Pleistocene dinoflagellate cyst, foraminiferal and pollen assemblages in four boreholes in the Southern North Sea	85–97
PRICE, DAVID The Pusgillian Stage in Wales	99–105
ELORZA, J. J. & RODRIGUEZ-LAZARO, J. Late Cretaceous quartz geodes after anhydrite from Burgos, Spain	107–113
STAIT, B. A. & BURRETT, C. F. Ordovician nautiloid faunas of Central and Southern Thailand	115–124
CLEAL, C. J. The recognition of the base of the Westphalian D Stage in Britain	125–129
HOWARTH, M. K. & MELVILLE, R. V. Interpretation of the Middle Jurassic ammonite genus Spiroceras	131-132
REVIEWS	133-134
PUBLICATIONS RECEIVED	135-136