

Viking Photo Supplement*



The Geology of Mars

**Thomas A. Mutch,
Raymond E. Arvidson,
Kenneth L. Jones,
James W. Head III,
and R. Stephen Saunders**

Here is a complete, photographic survey of Mars and a primer of geological data about the planet. It combines more than 400 carefully selected photographs from Mariner 9 with maps, diagrams, and skillful analytic commentary. Pictures are included of all important geographic features, and geologic maps systematically describe the character and distribution of the principal landforms. More than just an atlas, the book discusses in detail the characteristic geological processes and their contributions to the evolution of the planet.

***A special 8-page supplement will include photographs from the recent Viking mission.**

436 pages • 400 illus. • 8½ x 11"
\$35.00 in the U.S. and Canada

**Princeton
University Press**
Princeton, New Jersey 08540

NOTES FOR CONTRIBUTORS

Contributions for publication should be addressed to The Editors, *Geological Magazine*, Sedgwick Museum, Downing Street, Cambridge CB2 3EQ, England.

All contributions, whether articles, correspondence or reviews, must be typed in duplicate on one side of the paper, double spaced throughout, with a wide margin on the left of each page and a narrower margin on the right. Any minor corrections should be made neatly in the typescript, leaving the margins clear.

The total length of a paper should not in general exceed 20 pages of the *Geological Magazine*; preference and priority are given to short papers. Longer papers (between 20 and 40 pages of *Geological Magazine*) will from time to time be considered, but authors wishing to submit such manuscripts should first request further details.

The accuracy of references is the responsibility of authors. References must be double spaced and abbreviated in the form of the *World List of Scientific Periodicals* 4th Edition as far as possible, e.g. Lapworth, C. 1878. The Moffat Series. *Q. Jl geol. Soc., Lond.* **34**, 240–343. Books should be cited briefly as: Burns, R. G. 1970. *Mineralogical applications of crystal field theory*. 224 p., C.U.P., London. Unpublished work, e.g. from theses, should normally be referred to in the text in parentheses and not included in the reference list unless in the press.

Articles must be accompanied by a brief summary. Contributions should follow the general style of papers in recent issues of the Magazine and the principles laid down in *Notes to Authors* (*Proc. Geol. Soc. Lond.*, No. 1627, Oct. 1965). Headings should be set out clearly, but not underlined. Primary headings should be in lower case, at margin, with arabic numeral; sub-headings 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.1.

Illustrations must be drawn to allow reduction to maximum size of 200 mm × 134 mm; originals must not exceed 600 mm × 402 mm and must be sent in a flat package. Lettering must allow for legibility after reduction (i.e. equivalent to 1 mm as a minimum on reduction). Duplicates of illustrations may be prints or, preferably, reductions. Metric units of the SI system are preferred. Illustrations in the text will be referred to as figures (Fig. 2, 2a, etc.), and halftone plates will be referred to (also in arabic) as Plates 2, 2a, etc. Folding plates will not be accepted. Captions for figures and plates must be typed on separate sheets.

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 114, Number 1, January 1977

ROGERS, N. W. & GIBSON, I. L. The petrology and geochemistry of the Creag Dubh composite sill, Whiting Bay, Arran, Scotland	1-8
STRIMPLE, H. L. Unusual morphological features in the blastoid genus <i>Pentremites</i>	9-13
LANPHERE, M. A., CHURKIN, JR M. & EBERLEIN, G. D. Radiometric age of the <i>Monograptus cyphus</i> graptolite zone in Southeastern Alaska – an estimate of the age of the Ordovician-Silurian boundary	15-24
FORTEY, R. A. & MORRIS, S. F. Variation in lens packing of <i>Phacops</i> (Trilobita)	25-32
COOK, A. F. Temporary exposure of the Middle Cambrian, Warwickshire, England	33-40
MOESKOPS, P. G. Volume increase serpentinisation in Archaean quench texture ultramafic rocks near Kalgoorlie, Western Australia	41-46
JENKYNS, H. C. & SENIOR, J. R. A Liassic palaeofault from Dorset, England	47-52
WEBBY, B. D. <i>Labechia aldonensis</i> sp. nov.; an Ordovician stromatoporoid from Scotland	53-56
CORRESPONDENCE	
Late Precambrian glacial climate and the Earth's obliquity – a discussion: W. I. STANTON & L. J. G. SCHERMERHORN and G. E. WILLIAMS	57-62
Jurassic hazards to coral growth: O. E. ALI	63-64
ESSAY REVIEW	
P. J. WILLIAMS Properties of frozen ground: Russian approaches	65-68
REVIEWS	69-75
NOTICES	76
PUBLICATIONS RECEIVED	77-80

© Cambridge University Press 1977

Printed in Great Britain at the University Press, Cambridge