



Oxford University Press

Elementary Thermodynamics for Geologists

B. J. Wood and D. G. Fraser

This introduction to chemical thermodynamics illustrates the use and usefulness of the thermodynamic approach to petrology. The authors begin by introducing the concept of chemical potential as a means of predicting the stability of mineral components, and then use it to examine a simple equilibrium of geological interest. This approach is subsequently developed by showing how chemical potentials change with temperature, pressure, and composition. £6 paper covers £2.95

British Quaternary Studies

Recent Advances

Edited by F. W. Shotton

This volume is being published to coincide with the tenth quadrennial Congress of the International Union of Quaternary Research. It contains contributions on the radiometric dating, palaeozoology, palaeobotany, geomorphology, stratigraphy, sedimentology, and climatology of the Quaternary by well-known British research workers. £10

Earth Surface Sediment Transport

Ian Statham

This book is a simple introduction to the processes which move sediment and solutes at the earth's surface. It explains the mechanical and chemical principles fundamental to transport processes, concentrating upon the materials being moved and how their properties influence transport. £6.50 paper covers £3 *Contemporary Problems in Geography*

Environmental Change

Andrew Goudie

This book provides a concise survey of the environmental changes of the last three million years. It describes traditional as well as recently developed techniques for the study of the Pleistocene, and outlines the chronology, nature, and effects of the major events of the period. It discusses the Holocene, and analyses in detail changes which occurred during the period of meteorological observation. £7.50 paper covers £3.95 *Contemporary Problems in Geography*

Soil and Vegetation Systems

Stephen T. Trudgill

This book deals with the potential value and the difficulties of adopting an integrated approach to soil and vegetation systems. The factual material in the book is focused on inputs, outputs, and cycling of mineral nutrients, but the purpose of the book is to explore concepts and approaches, not to provide a comprehensive factual review. £6.50 paper covers £3 *Contemporary Problems in Geography*

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: Sweet, W. C. & Bergström, S. M. 1976. Conodont biostratigraphy of the Middle and Upper Ordovician of the United States Midcontinent. In *The Ordovician System* (ed. M. E. Bassett), pp. 121–52. Cardiff: University of Wales Press. 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 should normally be drawn at twice final size 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 115, Number 3, May 1978

NILSEN, T. H. & KERR, D. R. Paleoclimatic and paleogeographic implications of a lower Tertiary laterite (latosol) on the Iceland–Faeroe Ridge, North Atlantic region	153–182
CAVE, R. & PRICE, D. The Ashgill Series near Welshpool, North Wales	183–194
COPE, J. C. W., FORTEY, R. A. & OWENS, R. M. Newly discovered Tremadoc rocks in the Carmarthen district, South Wales	195–198
KIRBY, G. A. Layered gabbros in the Eastern Lizard, Cornwall, and their significance	199–204
CHAUFF, K. M. Recovery of Ordovician conodonts by hydrochloric acid from phosphate nodules reworked into the Sulphur Springs Formation (Devonian) in Missouri, U.S.A.	205–210
SEAGER, A. F., FITCH, F. J. & MILLER, J. A. Dating of adularia and the relationship of hydrothermal events in the Lizard complex, Cornwall	211–214
CORRESPONDENCE The westward continuation of the Leannan Fault of Donegal and its bearing on the Great Glen Fault system: M. D. MAX & P. L. BARKER	215–218
NOTICES	219–220
REVIEWS	221–230
PUBLICATIONS RECEIVED	231–236

© Cambridge University Press 1978

Printed in Great Britain at the University Press, Cambridge