



The Royal Society

Proceedings: **Mathematical, Physical and Engineering Sciences**

Volume **452** Pages 2369–2592 Number **1954** 8 November 1996

Proceedings of the Royal Society of London SERIES A

PROCEEDINGS: MATHEMATICAL, PHYSICAL AND
ENGINEERING SCIENCES

Editor: Professor J. B. Pendry

Editorial Board

Professor D. Bradley	Professor L. E. Fraenkel	Professor N. Sheppard
Professor F. M. Burdekin	Professor N. Hitchin	Professor M. C. R. Symons
Professor J. L. Cardy	Professor B. R. Hoskins	Professor J. R. Willis
Professor J. E. Field		

Regional Editors

Professor J. Friedel, Académie des Sciences, Institut de France, 23 Quai de Conte, 75006 Paris, France
Professor M. S. Longuet-Higgins, Institute for Nonlinear Science, University of California at San Diego, 9500 Gilman Drive, La Jolla, California 92093-0402, USA.
Professor O. M. Phillips, Department of Earth and Planetary Sciences, The Johns Hopkins University, Baltimore, Maryland 21218, USA.
Professor C. N. R. Rao, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore, India 560012

NOTICE TO AUTHORS

Scope. *Proceedings* series A publishes papers on any aspect of mathematical and physical sciences, including chemistry and engineering. Short papers are especially welcome (up to 10 printed pages; for example, equivalent to about 5000 words and 3 figures), and if accepted can be published within three months of receipt at the Society. These should contain reports of completed work; preliminary reports ('letters') are not encouraged.

Submission. Authors may send their papers (i) direct to the Editorial Office, whose address is given below, or (ii) to one of the Regional Editors listed above. The Editor will, in reaching a decision, take into account the comments of referees. Authors are invited to suggest the names of referees, with the understanding that such suggestions are not necessarily adopted. Three copies of the typescript and figures are required, and originals of any figures should also be submitted. Papers should be prepared in accordance with the 'Instructions to authors' printed at the end of every volume of *Proceedings* A and available from the Editorial Office.

Editorial address: Editorial Office, *Proceedings* A, The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG, UK.

COPYRIGHT

© 1996 The Royal Society

Except as otherwise permitted under the Copyright, Designs and Patents Act, 1988, this publication may only be reproduced, stored or transmitted, in any form or by any means, with the prior permission in writing of the publisher, or, in the case of reprographic reproduction, in accordance with the terms of a licence issued by the Copyright Licensing Agency. In particular, the Society permits the making of a single photocopy of an article from this issue (under Sections 29 and 38 of the Act) for an individual for the purposes of research or private study.

SUBSCRIPTIONS

Proceedings of the Royal Society series A (ISSN 1364-5021) is published in monthly parts. The subscription price for 1996, including postage, is £375 (US \$638) in the UK and European Union, £401 (US \$682) in the USA and Canada and £413 (US \$702) in all other countries. Air-speeded post is included for overseas subscribers. Full details of subscriptions may be obtained on request from the Publications Sales and Marketing Department, The Royal Society, 6 Carlton House Terrace, London SW1Y 5AG, UK (Tel. +44 (0)171 839 5561, ext. 2645; Fax +44 (0)171 976 1837). The Royal Society is Registered Charity no. 207043.