

ISSN 0300-9599

**JOURNAL
OF THE
CHEMICAL
SOCIETY**

Faraday Transactions I

**Physical Chemistry
in Condensed Phases**

**Part 11
November
1987**

ROYAL SOCIETY OF CHEMISTRY

OFFICERS AND COUNCIL OF THE FARADAY DIVISION 1987-8

President Prof. A. D. Buckingham (Cambridge)

Vice-Presidents who have held office as President

Prof. P. Gray (Leeds)	Prof. F. C. Tompkins (Portsmouth)
Prof. J. S. Rowlinson (Oxford)	Prof. D. H. Whiffen (Somerset)
Prof. N. Sheppard (Norwich)	

Vice-Presidents

Prof. H. M. Frey (Reading)	Prof. J. P. Simons (Nottingham)
Prof. R. H. Ottewill (Bristol)	Prof. F. S. Stone (Bath)
Prof. R. Parsons (Southampton)	Dr D. A. Young (London)
Prof. J. H. Purnell (Swansea)	

Ordinary Members

Prof. D. T. Clark (Runcorn)	Prof. C. H. Rochester (Dundee)
Prof. R. N. Dixon (Bristol)	Prof. J. N. Sherwood (Glasgow)
Prof. T. Edmonds (London)	Prof. M. C. R. Symons (Leicester)
Prof. R. Freeman (Oxford)	Dr D. J. Tildesley (Southampton)
Prof. J. H. Knox (Edinburgh)	Prof. A. Vrij (Utrecht)
Dr M. J. Pilling (Oxford)	

Honorary Secretary Prof. J. P. Simons (Nottingham)

Honorary Treasurer Prof. R. H. Ottewill (Bristol)

Secretary Mrs Y. A. Fish

Faraday Transactions Editorial Board

Prof. H. M. Frey (Reading) (<i>Chairman</i>)	Prof. G. Williams (Aberystwyth)
Prof. R. N. Dixon (Bristol)	Dr D. A. Young (London)

Editor Dr D. A. Young

Deputy Editor Ms S. J. Williams

Assistant Editors Dr S. R. Buxton

Dr R. J. Parker

The Faraday Division of the Royal Society of Chemistry, previously *The Faraday Society*, founded in 1903 to promote the study of sciences lying between chemistry, physics and biology

© The Royal Society of Chemistry, 1987. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photographic, recording, or otherwise, without the prior permission of the publishers.

Faraday Transactions I (ISSN 0300-9599) is published monthly by The Royal Society of Chemistry, Burlington House, London W1V 0BN, England. All orders accompanied by payment should be sent directly to The Royal Society of Chemistry, The Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, England. 1987 Annual Subscription rate U.K. £212.00, Rest of World £238.00, U.S.A. \$419.00. Air freight and mailing in the U.S.A. by Publications Expediting Inc., 200 Meacham Avenue, Elmont, New York 11003, U.S.A. Postmaster: Send address changes to: Faraday Transactions I, Publications Expediting Inc., 200 Meacham Avenue, Elmont, New York 11003. Second class postage paid at Jamaica, New York 11431. All other despatches outside the U.K. by Bulk Airmail within Europe, Accelerated Surface Post outside Europe. PRINTED IN THE U.K.