PAGES 743-896

ISSN 0300~9580

JOURNAL OF THE CHEMICAL SOCIETY

Perkin Transactions II

A journal of physical organic chemistry

No.6 June 1983



ROYAL SOCIETY OF CHEMISTRY

Officers and Council of the Perkin Division 1982-83

President Professor C. W. Rees

Vice Presidents

Dr. C. H. Hassall Professor A. H. Jackson Professor W. D. Ollis Professor R. A. Raphael

Ordinary Members

Professor R. F. Hudson Professor G. W. Kirby Dr. P. R. Leeming Professor M. A. McKervey Dr. R. F. Newton Professor K. Schofield Professor J. K. Sutherland Dr. G. Tennant

Honorary Secretary/Treasurer Professor L. Hough

Chairman of the Publications & Information Board Professor C. W. Rees

> Chairman of the Journals Committee Professor G. W. Kirby

Perkin Editorial Board Professor L. Crombie (Chairman)

Dr. B. C. Challis Professor R. D. Chambers Professor L. Hough* (*co-opted member) Professor T. J. King Professor P. G. Sammes Professor I. O. Sutherland

Manager Journals Dr. A. D. McNaught

Perkin / Transactions Editor Dr. E. R. Smith Perkin II Transactions Editor Mr. H. MacGrillen Assistant Editors Dr. P. I. C. Berthier Miss M. Heathcote

Editorial Office

The Royal Society of Chemistry, Burlington House, London, W1V 0BN Telephone No. 01-734 9864

All queries relating to the *presentation and submission of papers* to the Journal should be directed to the Editorial Office. Editorial Board members would welcome comments, suggestions, and advice on *general policy matters* concerning Perkin Transactions.

Perkin Transactions II is published monthly by the Royal Society of Chemistry, Burlington House, London W1V 0BN, England. 1983 Annual Subscription Price UK £160.50, Rest of World £169.50, U.S.A. \$345.00. Change of address and orders with payment in advance to The Royal Society of Chemistry, The Distribution Centre, Blackhorse Road, Letchworth, Herts SG6 1HN, England. Air Freight and mailing in the U.S. by Publications Expediting Inc., 200 Meacham Avenue, Elmont, New York 11003. U.S. Postmaster: send address changes to Perkin Transactions II Publications Expediting Inc., 200 Meacham Avenue, Elmont, New York 11003. U.S. Postmaster: send address Second class postage paid at Jamaica, New York 11431. All other despatches outside the UK by Bulk Airmail within Europe and Accelerated Surface Post outside Europe. PRINTED IN THE UK.