CHEMICAL SOCIETY CHEMICAL SOCIETY

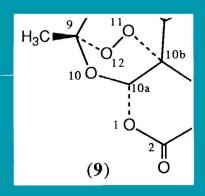


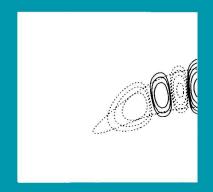
85

Volume 21 Issue 2

Pages 85-146

June 1992

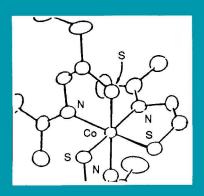


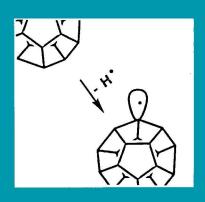


Artemisinin (Qinghaosu): A New Type of Antimalarial Drug By Anthony R. Butler and Yu-Lin Wu

Calculating Molecular Spectra

By Jonathan Tennyson and Steven Miller 91





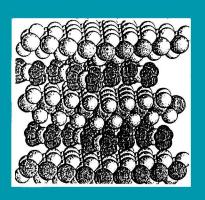
Transmetallation and its Applications
By Geoffrey Davies, Mohamed A. El Sayed,
and Ahmed El-Toukhy 101

Bridgehead Radicals By John C. Walton

105

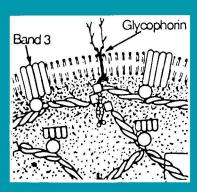
113

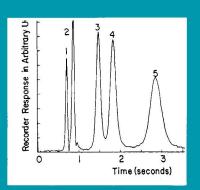
H CO₂Me



RHÔNE-POULENC LECTURE Search and Discovery of New Antitumour Compounds By Pierre Potier

Structure, Dynamics, and Electronic Properties of Cobaltocene in $SnS_{2-x}Se_x$ $\{0 \le x \le 2\}$ By D. O'Hare 121





Surfactant Interactions with Biomembranes and Proteins By M.N. Jones 127

Modern Liquid Chromatography
By R. P. W. Scott 137

ISSN 0306-0012

Chemical Society Reviews

Editorial Board

Professor H. W. Kroto FRS

(Chairman)

Professor M. J. Blandamer

Dr. A. R. Butler

Professor B. T. Golding

Professor M. Green

Professor D. M. P. Mingos FRS

Professor J. F. Stoddart

University of Sussex

University of Leicester

University of St. Andrews University of Newcastle upon Tyne

University of Bath Imperial College London

University of Birmingham

Consulting Editors

Dr. G. G. Balint-Kurti Professor S. A. Benner

Dr. J. M. Brown Dr. J. Burgess

Dr. N. Cape

Professor A. Hamnett Dr. T. M. Herrington

Dr. R. Hillman Professor R. Keese

Dr. T. H. Lilley Dr. H. Maskill

Professor Dr. A. de Meijere

Professor J. N. Miller

Professor S. M. Roberts Professor B. H. Robinson

Dr. A. J. Stace

University of Bristol

Swiss Federal Institute of Technology,

Zürich

University of Oxford

University of Leicester

Institute of Terrestrial Ecology, Lothian

University of Newcastle upon Tyne

University of Reading University of Bristol

University of Bern University of Sheffield

University of Newcastle upon Tyne

University of Göttingen

Loughborough University of Technology

University of Exeter University of East Anglia University of Sussex

Staff Editors

Mr. K. J. Wilkinson Dr. J. A. Rhodes

Royal Society of Chemistry, Cambridge Royal Society of Chemistry, Cambridge

It is intended that Chemical Society Reviews will have the broad appeal necessary for researchers to benefit from an awareness of advances in areas outside their own specialities Deliberate efforts will be made to solicit authors and articles from Europe and further afield, in order to present a truly international outlook on the major advances in a wide range of chemical areas. It is hoped that it will be of interest and help to students planning a career in research. In particular, it will be the place to find succinct and authoritative overviews of timely topics in modern chemistry.

In line with the above, review articles will not be comprehensive, too detailed, or heavily referenced; they should act as a springboard to further reading. Interdisciplinary awareness should thereby be heightened and the student should be stimulated to take a more professional interest in the topic of the review.

Although the majority of articles are intended to be specially commissioned, the Society is always prepared to consider offers of articles for publication. In such cases a short synopsis, rather than the completed article, should be submitted to the Senior Editor (Reviews), Books and Reviews Department, The Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge CB4 4WF.

© The Royal Society of Chemistry, 1992

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 or mechanical, photographic, recording, or otherwise, without the prior permission of the publishers.

Typeset by Servis Filmsetting Ltd. Printed in Great Britain by Blackbear Press Ltd.