

THE YEAR BOOK OF THE ROYAL SOCIETY

CONTENTS

1977

- | | |
|---|---|
| Past Officers of the Royal Society | The Society's Medals |
| The Foundation of the Royal Society | The Society's Lectures |
| Memorandum on Benefactions | The Society's Library |
| Calendar | The Society's Publications |
| Council and Office Staff | The Society's Funds |
| The Fellowship— | Paul Instrument Fund |
| List of Fellows | Grants for Travelling Expenses and Organiz- |
| List of Foreign Members | ing Expenses of International Conferences |
| Fellows and Foreign Members deceased in | The European Science Exchange Programme |
| 1976 | Agreements on cooperation between the |
| Fellows and Foreign Members elected in | Royal Society and Scientific Academies |
| 1976 | and Research Councils of other countries |
| Associate Editors | Royal Society Commonwealth Bursaries |
| Committees and Boards— | Scheme |
| Regulations | Overseas Visiting Professorships |
| Sectional Committees | Royal Society—Israel Academy Visiting |
| Standing Committees | Research Professorships Scheme |
| Joint Committees | Royal Society Leverhulme Studentships |
| Government Grant Boards | Royal Society Research Professorships |
| Scientific Publications Board | Royal Society Scientific Information Re- |
| Committees on International Relations— | search Fellowships |
| International Non-Governmental Organ- | General Regulations governing Royal |
| izations | Society Research Professorships and |
| National Committee for I.C.S.U. | Appointments |
| British National Committees | Royal Society Research Appointments |
| Public and other responsibilities | Report of Council for 1976 |
| Statutes of the Royal Society | Organization of Royal Society Office |
| Standing Orders and Procedure— | Accounts for 1976 and Treasurer's state- |
| Standing Orders of the Royal Society | ment |
| Council Procedure— | Index |
| In the nomination of Council | |
| In the award of Medals | |
| In the appointment of Lecturers | |
| In the administration of certain elements | |
| of the Parliamentary Grant-in-aid | |

Price: £3.50 (U.K. addresses) £3.60 (overseas)

(Inclusive of postage and packing)

PROCEEDINGS OF THE ROYAL SOCIETY, SERIES A

Number 1677

30 May 1977

Volume 354

CONTENTS

- EASTWOOD, SIR E. *pages* 137-155
Clifford Paterson Lecture - Radar: new techniques and applications.
[Plates 1-10]
- ELDER, M., HITCHCOCK, P., MASON, R. & SHIPLEY, G. G. 157-170
A refinement analysis of the crystallography of the phospholipid,
1,2-dilauroyl-DL-phosphatidylethanolamine, and some remarks on lipid-
lipid and lipid-protein interactions
- MASON, R., TEXTOR, M., IWASAWA, Y. & GAY, I. D. 171-196
Photoelectron spectroscopic studies of the chemisorption of ethylene and
halo-substituted alkenes on the (100) and (111) crystal surfaces of
platinum and a general model for the dissociation of unsaturated
molecules at surfaces
- JONES, P. M., RACKHAM, G. M. & STEEDS, J. W. 197-222
Higher order Laue zone effects in electron diffraction and their use in
lattice parameter determination. [Plates 1-4]
- GOLDING, R. M. & STUBBS, L. C. 223-244
The evaluation of the hyperfine interaction tensor components in
molecular systems

Published by the Royal Society, 6 Carlton House Terrace, London SW1Y 5AG

*Printed in Great Britain
for the Royal Society at the University Press, Cambridge*