

# CS Publications News

## New series of audio cassettes

The Educational Techniques Subject Group of The Chemical Society has published the first three titles in a new series of audio tapes called *Chemistry Cassettes* on which recognised authorities discuss aspects of their subject. The cassettes have been produced under the General Editorship of Peter Groves of the University of Aston and are designed for individual and group study purposes.

Each cassette is accompanied by a detailed booklet containing diagrams, equations, etc., which can be used by the student as the basis of a comprehensive set of notes.

The first three titles are:

**Heavy Metals as Contaminants of the Human Environment** by Professor Derek Bryce-Smith, *University of Reading*.

A discussion of some of the effects on man arising from the increasing use and distribution of heavy metals, particularly lead, cadmium and mercury.

*Running time 100 minutes  
£4.75 (CS Members £3.60)*

**Some Aspects of the Electrochemistry of Solutions** by Professor Graham Hills, *University of Southampton*. Professor Hills considers some general aspects of electrolyte solutions and shows how theoretical models are able to lead to a wider understanding of the nature and properties of such solutions.

*Running time 34 minutes  
£3.80 (CS Members £2.85)*

**Some Organic Reaction Pathways** by Dr Peter Sykes, *Fellow and Director of Studies, Christ's College, Cambridge*.

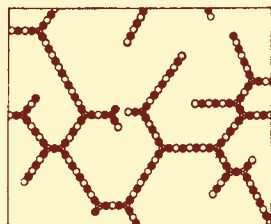
Dr Sykes is well known through his book 'A Guidebook to Mechanism in Organic Chemistry'. On this cassette he discusses two important aspects of reaction mechanisms; those relating to elimination and to aromatic substitution.

*Running time 68 minutes  
£4.25 (CS Members £3.20)*

Additional copies of the booklets may be obtained at 50p each or 10 copies for £4.00.

*Orders should be sent to The Publications Sales Officer, The Chemical Society, Blackhorse Road, Letchworth, Herts. SG6 1HN.*

### MONOGRAPHS FOR TEACHERS No. 28



## Some Aspects of Basic Polymer Science

by Dr D. A. Blackadder

The monograph emphasises the polymer molecule — the notion of a long chain has been used to bind together the three main sections. The first concerns procedures for assembling polymer molecules from monomer units. This is followed by a discussion of the configurational and conformational properties of polymer molecules, together with the definition and measurement of molecular weights. Finally aggregates of polymer molecules are classified, and the properties of different kinds of aggregates are interpreted in terms of the underlying structure.

*Paperbound 62pp  
8 1/2" x 5 1/8" 12 figures  
£1.20 (CS Members 90p)*

*Orders to: The Publications Sales Officer, The Chemical Society, Blackhorse Road, Letchworth, Herts. SG6 1HN.*

### SPECIALIST PERIODICAL REPORTS

## Radiochemistry Vol. 2

Senior Reporter: Dr G. W. A. Newton  
*University of Manchester*

The second volume in this biennial series reviews literature published between August 1971 and July 1973 in the areas covered in Volume 1, namely, Solid State Recoil Chemistry, Radiochemistry of Elements with  $Z > 103$  and Radiochemical Methods of Analysis. In addition, this Volume provides coverage of Recoil Chemistry in Gases and Liquids over the period July 1969 — July 1973.

*Clothbound 256pp 8 1/2" x 5 1/8" £13.00 (CS Members £9.75)*

## Molecular Spectroscopy Vol. 3

Senior Reporters:  
Dr R. F. Barrow, *University of Oxford*  
Professor D. A. Long, *University of Bradford*  
Professor D. J. Millen, *University College, London*

In common with previous volumes, this third volume does not attempt comprehensive coverage, but instead provides a detailed and critical analysis of selected topics based on the 1973 and early 1974 literature. The volume covers: Microwave Spectroscopy; Force-constant Calculations in Molecules; Experimental Resonance Raman Spectroscopy; Matrix Isolation; Rotation and Vibration-Rotation Raman and Infrared Spectra of Gases; Raman Spectra of Solids; The Electronic Spectra of Triatomic Molecules and the Renner-Teller Effect.

*Clothbound 603pp 8 1/2" x 5 1/8" £24.00 (CS Members £18.00)*

## Surface and Defect Properties of Solids Vol. 4

Senior Reporters:  
Professor M. W. Roberts, *University of Bradford*  
Professor J. M. Thomas, *University College of Wales, Aberystwyth*

This fourth volume covers the recent literature up to April 1974 on the following topics: Intrazeolitic Transition-metal Ion Complexes; The Steam Reforming of Hydrocarbons; Auger Electron Spectroscopy and its Applications in Surface Chemistry; The Behaviour of Metal Lattice Vacancies during Oxidation; Crystallographic Shear in Silicate Structures; Transmission Electron Microscopy of Extended Defects in Alkali Halide Crystals.

*Clothbound 265pp 8 1/2" x 5 1/8" £14.00 (CS Members £10.50)*

*Orders to The Publications Sales Officer, The Chemical Society, Blackhorse Road, Letchworth, Herts. SG6 1HN.*

# CS Publications News

The Chemical Society, Gesellschaft Deutscher Chemiker and Société Chimique de France have agreed to launch jointly a new design of primary publication to be called:

## Journal of Chemical Research

as the first step towards the development of a more logical system of chemical primary publications in Europe.

The three Societies will be the Founding Sponsors and joint and equal owners of this Journal. It is hoped and intended that other Learned Societies will become involved in this venture as early as possible, and their active interest is being solicited.

The Founding Sponsors appointed The Chemical Society to publish this Journal on their behalf.

The Journal of Chemical Research, which will commence publication in January 1977, will be of novel design and will cover all chemistry. It will appear in two parts:

Part S will consist of synopses of research papers in chemistry, each synopsis normally one to two printed pages in length. This part will be printed conventionally and the articles will normally be in the English language.

The other part, Part M, will contain reproductions of the author's original typescripts corresponding to the synopses that appear in Part S and will take the form of microfiche or miniprint. The material of Part M will be in either French, German or English.

Speed of publication and maintenance of high scientific standards will be the primary aims of the Journal of Chemical Research.

The total scientific record will be the sum of the two parts and will be available for Libraries, Institutions, Abstracting Organisations and the like. The Journal of Chemical Research (Part S) will also be available singly to individuals, will form their chemical alerting service, and will provide all the information that a chemist needs to know about a piece of research work, except for those details and data that will normally concern him only if he is himself actively researching in that area of study.

The Sponsors now invite authors to submit research articles for consideration for publication in the Journal of Chemical Research. They should be sent to:

### French Language

Professor G. Ourisson,  
Université Louis Pasteur,  
4 Rue Pascal,  
67 Strasbourg, France.

### German Language

Dr. H. Grünwald,  
Gesellschaft Deutscher Chemiker,  
Boschstr. 12,  
D-6940, Weinheim,  
Germany.

### English Language

Dr. L. C. Cross,  
The Chemical Society,  
Burlington House,  
Piccadilly, London, W1V 0BN.  
England.

Further information, advice and instructions to authors can be obtained from the above.

Details of subscription rates will be announced shortly.



# Journal of Chemical Research