

SPECIALIST PERIODICAL REPORTS

The highly praised series of Chemical Society publications which provide comprehensive and systematic review coverage of major areas of research.

Two new series

Organometallic Chemistry Vol. 1

Senior Reporters: Professor E. W. ABEL, *University of Exeter*
and Professor F. G. A. STONE, *University of Bristol*

This volume is the first in a new series which will cover the synthesis, structure, and chemical and physical properties of those compounds containing carbon to metal bonds. It provides coverage of the literature published during 1971.

The chapter headings are as follows: Group I The Alkali and Coinage Metals; Group II The Alkaline Earths and Zinc and its Congeners; Group III Boron, Aluminium, Gallium, Indium, and Thallium; Group III The Carboranes; Group IV The Silicon Group; Metal Carbonyls; Organometallic Compounds Con-

taining Metal-Metal Bonds, Substitution Reactions of Metal and Organometal Carbonyls with Group V and VI Donor Ligands; Carbene, Nitrene and Related Complexes; Complexes Containing Metal-Carbon σ Bonds; Hydrocarbon-Metal π Complexes; π -Allylic Complexes; π -Cyclopentadienyl, Arene, and Related Compounds; Substitution Reactions of Hydrocarbon-Metal π -Complexes; Oxidative-addition and Related Reactions; Homogeneous Catalysis; X-ray and Electron Diffraction Studies of Organometallic Compounds.

Cloth bound 500pp 8½" x 5½" £9.00 ISBN 0 85186 501 1 (CS Members £4.50)

Radiochemistry Vol. 1

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

The first volume in this new series covers the areas of solid state recoil chemistry, the radiochemistry of elements with $Z > 103$, and radiochemical methods of analysis, over the period July 1969–August 1971. The chapter and section headings give some idea of the scope of the coverage: *Chemical Effects of Nuclear Transformations*, introduction, physical methods used to study recoil chemistry, *P*-block elements, *d*-block elements, ^{32}P and ^{35}S recoils, recoil pheno-

mena in solution, chemical effects following beta decay, annealing of recoil atoms in solids; *Super-heavy Elements*, introduction, predicted properties, methods of synthesis, results of attempts at preparation, natural occurrence of superheavy elements; *Radiochemical Methods of Analysis*, introduction, tracer methods of analysis, activation analysis, chemical separations in radiochemical analysis.

Cloth bound 140pp 8½" x 5½" £4.50 ISBN 0 85186 254 3 (CS Members £3.50)



The Chemical Society

Members should send orders for these publications, together with the appropriate remittance, to:
The Membership Officer, The Chemical Society, 30 Russell Square, London WC1B 5DT.

Non-members should send orders, together with the appropriate remittance, to:
The Publications Sales Officer, The Chemical Society, Blackhorse Road, Letchworth, Herts SG6 1HN.