CHEMICAL SOCIETY REVIEWS

VOLUME 16, 1987

© Copyright 1988 LONDON

THE ROYAL SOCIETY OF CHEMISTRY

CONTENTS

	PAGE
STABILIZATION OF UNUSUAL CATIONIC SPECIES IN PROTONIC SUPERACIDS AND ACIDIC MELTS. By T. A. O'Donnell	1
ARSONIUM YLIDES (WITH SOME MENTION ALSO OF ARSINIMINES, STIBONIUM AND BISMUTHONIUM YLIDES). By Douglas Lloyd, Ian Gosney, and Raymond A. Ormiston	45
ORTHO ESTERS AND DIALKOXYCARBENIUM IONS: REACTIVITY, STABILITY, STRUCTURE, AND NEW SYNTHETIC APPLICATIONS. By Ulf Pindur, Johann Müller, Camran Flo, and Helmut Witzel	75
Prototropic Routes to 1,3- and 1,5-Dipoles, and 1,2-Ylides: Applications to the Synthesis of Heterocyclic Compounds. By R. Grigg	89
Applications of Multinuclear NMR to Structural and Biosynthetic Studies of Polyketide Microbial Metabolites. By T. J. Simpson	123
TATE AND LYLE LECTURE. STRUCTURAL AND CONFORMATIONAL CHARACTERI- ZATION OF CARBOHYDRATE DIFFERENTIATION ANTIGENS. By Elizabeth F. Hounsell	161
STEREOCHEMICAL ASPECTS OF THE INTRAMOLECULAR DIELS-ALDER REACTION. By Donald Craig	187
SONOCHEMISTRY: PART 1—THE PHYSICAL ASPECTS. By John P. Lorimer and Timothy J. Mason	239
SONOCHEMISTRY: PART 2—SYNTHETIC APPLICATIONS. By James Lindley and Timothy J. Mason	275
PRODUCT STABILITY IN KINETICALLY-CONTROLLED ORGANIC REACTIONS. By Sosale Chandrasekhar	313
Resonant Descriptions of Bonding and Reactivity of Group viii-ib Metals in the Solid State. By Paul A. Sermon	339
RECENT CHEMICAL STUDIES OF SODIUM NITROPRUSSIDE RELEVANT TO ITS HYPOTENSIVE ACTION. By Anthony R. Butler and Christopher Glidewell	361
MODERN METHODS FOR THE INTRODUCTION OF FLUORINE INTO ORGANIC MOLECULES: AN APPROACH TO COMPOUNDS WITH ALTERED CHEMICAL AND BIOLOGICAL	381
ACTIVITIES. By John Mann	
THE MEDICINAL CHEMISTRY OF ANTI-LEPROSY DRUGS. By M. Hooper	437
ANGULAR GEOMETRIES OF HYDROGEN-BONDED DIMERS: A SIMPLE ELECTROSTATIC INTERPRETATION OF THE SUCCESS OF THE ELECTRON PAIR MODEL. By A. C. Legon and D. J. Millen	467
1987 Indexes	499