NOTES AND RECORDS OF THE ROYAL SOCIETY

Volume 19. 1964

Price £1. 10s. (U.S. \$4.50) post extra

Published in two parts in June and December by The Royal Society, Burlington House, Piccadilly, London, W. 1

A valuable work of reference for those concerned with the history of science and in particular on the work and history of the Royal Society and its Fellows. Included in the first part of volume 19 are the following articles:

Anniversary Dinner 1963. Speech by the Rt. Hon. Lord Robens and reply by Sir Howard Florey, P.R.S.

Sir Michael Foster, K.C.B., F.R.S. A Secretary of the Royal Society By Sir Henry Dale, O.M., F.R.S.

John Graunt and his Natural and political observations By D. V. Glass

Sir Benjamin Brodie, F.R.S. (1783–1862) By W. R. Le Fanu

Isaac Newton: birth of a mathematician By D. T. Whiteside

Pioneer of electric power transmission: an account of some of the early work of Sebastian Ziani de Ferranti, D.Sc., F.R.S. (1864–1930)

By S. Z. de Ferranti

Bibliography of recent books and articles dealing with the history of the Royal Society

Notes (including portrait of 1963 Medallists)

PROCEEDINGS OF THE ROYAL SOCIETY, SERIES A

No 1377

26 May 1964

Vol 279

CONTENTS

		PAGE
The fifth virial coefficient of a fluid of hard spheres.		
By J. S. ROWLINSON		147
A study of the microtopography of some surfaces by means of a fricti technique.	on	
By J. D. HUFFINGTON		161
The crystal and molecular structure of tetrakis(trifluoromethyl)cyclopent dienone-π-cyclopentadienyl cobalt.	ta-	
By M. GERLOCH and R. MASON		170
The crystal and molecular structure of π -cyclopentadienyl 1-phenylcyclopentadiene cobalt.	lo-	
By M. R. CHURCHILL and R. MASON		191
The paramagnetic anisotropies and ligand fields of the tetrahedral cobalto chlorides and thiocyanate.	us	
By B. N. FIGGIS, M. GERLOCH and R. MASON		210
Path integrals in polar co-ordinates.		
By S. F. EDWARDS and Y. V. GULYAEV		229
The gaseous oxidation of acetone. I. The high-temperature reaction.		
By J. A. BARNARD and T. W. HONEYMAN		236
The gaseous oxidation of acetone. II. The low-temperature reaction.		240
By J. A. BARNARD and T. W. HONEYMAN		248
Review Lecture. Electron transfer reactions and living polymers. By M. SZWARC		260
By M. SZWARG		200