## The Review of Physical Chemistry of Japan

Vol. 34, 1964

## CONTENTS

## No. 1

Jiro Osugi, Kiyoshi Shimizu, Kazuo Inoue and Kazuo Yasunami: A Compact

Anvil Cubic High Pressure Apparatus	1
Jiro Osugi and Tetuo Mizukami: The Reaction of Methyl Chloride with	
Carbon Monoxide	7
Jiro Osugi and Hironobu Kubota: Studies on Oxidation Reaction of Propylene	
in the Presence of Metallic Silver	19
Kazuhiro Maruyama and Ryozo Goto: Electron Spin Resonance Studies of Radical-anions of Nitrobenzophenones	30
Ryozo Goto and Yo Miyagi: Syntheses and Structures of Acetylformoin and	
Related Compounds	35
No. 2	
Jiro Osugi, Kiyoshi Shimizu and Hideto Takizawa: Effect of Pressure on the	
Dissociation of Electrolytic Solution. II. Effect of Pressure on the Migration	
of Hexammine Cobalt (III) Ion in Water	55
Jiro Osugi, Kimihiko Hara, Nishio Hirai and Junichi Hikasa: Crystallization of	
Polyethylene under High Pressure	59
Jiro Osugi and Muneo Sasaki: Kinetic Studies on Free Radical Reactions. II. The	• •
Photochemical Reaction between DPPH and Methylmethacrylate	65
Jayanta Benerjee and Kalyan K. Sengupta: Studies of Reaction Kinetics of Mono-	03
hydric Alcohols by Acid Permanganate	01
	01
Jiro Osugi and Tetsuo Hitouji: The Effect of Pressure on the Rate of the Benzidine	
Rearrangement	88
Jiro Osugi, Kiyoshi Shimizu and Akifumi Onodera: Liquid-Solid Transition at	
High Pressure. — Benzene, Monochlorobenzene and Toluene	98

Published by

THE PHYSICO-CHEMICAL SOCIETY OF JAPAN

College of Science, Kyoto University, Kyoto, Japan