

**BULLETIN OF THE INSTITUTE
FOR CHEMICAL RESEARCH**

KYOTO UNIVERSITY

Vol. 56, No. 2

Special Issue on Polymer Chemistry XIII

Published bi-monthly by

**THE INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY
KYOTO, JAPAN**

March, 1978

(Bull. Inst. Chem. Res., Kyoto Univ.)

**INSTITUTE FOR CHEMICAL RESEARCH
KYOTO UNIVERSITY**

Director

Tsunenobu SHIGEMATSU

Members of Council

Yoshichika BANDO	Eiichi FUJITA	Hiroshi INAGAKI
Yuzo INOUYE	Ryozo KITAMARU	Naokazu KOIZUMI
Michio KURATA	Shinzaburo OKA	Masaya OKANO
Tatsuo OOI	Tsunenobu SHIGEMATSU	Sakae SHIMIZU
Toshio TAKADA	Mitsuru TAKANAMI	Hidekuni TAKEKOSHI
Tohru TAKENAKA	Yoshimasa TAKEZAKI	Megumi TASHIRO
Natsu UYEDA	Tatsuo YAMAMOTO	Takuji YANABU

Publication Committee

Hiroshi INAGAKI	Masakazu MATSUI	Nobuyuki SUGITA
Mitsuru TAKANAMI	Tatsuo YAMAMOTO	Takuji YANABU

Business Staff

Takeo FUKUSHIMA	Shigeo HOTTA	Yonezo TANAKA
-----------------	--------------	---------------

History of Publications

Term	Vol.	Title	Published
Jan., 1929– Dec., 1947	1–16	化学研究所講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
April, 1933	—	10 Jahre Institut für chemische Forschung (化学研究所創立十周年記念号)	—
March, 1949– Dec., 1949	17–19	化研講演集 (The Reports of the Institute for Chemical Research)	Indeterminately
March, 1950– Sept., 1952	20–30	化学研究所報告 (Bulletin of the Institute for Chemical Research)	Quarterly
Dec., 1951	—	The Commemoration Volume for the Silver Jubilee (化学研究所創立二十五周年記念号)	—
Jan., 1953 onwards	31 No. 1–	Bulletin of the Institute for Chemical Research (化学研究所報告)	Bi-monthly
Nov., 1966	44 No. 6	Special Issue on the Commemoration of the Fortieth Anniversary (化学研究所創立四十周年記念号)	—
Nov., 1976	54 No. 6	Special Issue on the Commemoration of the Fiftieth Anniversary (化学研究所創立五十周年記念号)	—

CONTENTS

Special Issue on Polymer Chemistry, XIII

Asako Hirai and Akio Nakajima: Crystalline Structure of Polynosic and Cuprammonium Rayon Treated with Alkali and Acrylonitrile in the Presence of Ethanol	49
Kunihiro Osaki, Bong-Shik Kim, and Michio Kurata: Rheology of Copolymer Solutions V. A Solution of an SB Block Copolymer in 1-Chlorohexadecane	56
Akiyoshi Kawaguchi: A Crystal-Structural Comparison of Polyethylene with <i>n</i> -Paraffins: I. Effects of the Crystal Surface on the Crystalline Core	68
Jürg Wälchli, Takeaki Miyamoto, and Hiroshi Inagaki: Determination of Compositional Heterogeneities for Acrylonitrile-Styrene Copolymers by Thin-Layer Chromatography	80
Note	
Hidematsu Suzuki: A Generalization of Fujita's Equation for Sedimentation Equilibrium	89

京都大学化学研究所報告 第56卷第2号

昭和53年7月12日 印刷

【非売品】

昭和53年7月20日 発行

京都府宇治市五ヶ庄

京都大学化学研究所

編集兼発行人

重 松 恒 信

広島市十日市町2丁目3番23号

印刷所

大学印刷株式会社

電話(0822)(31)4231番(代表)

広島市十日市町2丁目3番23号

印刷者

増 田 訓 清