

## CONTENTS

### Pulp

- 
- 1 Report of 22<sup>nd</sup> Pulping Seminar·····Pulp Technical Committee, JAPAN TAPPI
  - 3 Basic Principles of Wood Chemistry and Proposal for Future Research  
·····Gyosuke Meshitsuka
  - 8 History of Continuous Cooking Technology and State-of-the-Art Development  
by Andritz·····Kanji Hagiwara
  - 21 Development of Continuous Digester, Washing and Bleaching Equipment  
·····Yan Ju
  - 26 Introduction of Advanced Process Control (APC) on the Kraft Pulp Bleaching  
Process·····Mitsuru Takatsuji
  - 30 Current Situation and Problem of Japanese-Style Paper Recycling  
·····Shigenori Kimura
  - 36 DIP Technologies for Lower Grade Raw Material·····Nobuhiko Okumura
  - 42 Development of “Catalyzer Type De-Inking Agent”  
—Development of the De-Inking Agent for UV Curable Inks—  
·····Takashi Tanaka, Takeshi Yoshida and Haruhiko Toyohara
  - 50 Basic Technologies of Pitch Control and New Developments  
—NISSIN-Pitch Control Method—·····Hidekazu Tada
  - 55 Basic Lecture and Recent Development of Scale Control Technologies in Pulp  
Making Process·····Takao Noguchi
  - 60 Biomass Researches in the FFPRI·····Tsutomu Ikeda
  - 63 Possibilities and limits of Wood Resources as Energy Sources  
·····Keiichi Nakamata
  - 66 Operational Experience by Modifying Kraft Pulp Production  
·····Kenji Matsushima
  - 70 Practices for Specific Energy Reduction in TMP Process·····Masaru Shinya

---

### Introduction of Research Laboratories (112)

- 74 Laboratory of Biochemistry, Department of Applied Life Sciences, Faculty  
of Agriculture, Shizuoka University

---

### Research Report (Original Paper)

- 78 Characterization of Compressive Strength for Containerboard Using Short-Span  
Test·····Hironobu Hirano and Takao Kobayashi

---

03 Committee report

76 Essay on Intellectual Property

77 Coffee break

89 Papyrus

93 Industry News (Domestic and International)

98 List of Titles in Foreign Journals Received by JAPAN TAPPI

100 List of Patents issued and Laid-open Publication

109 Price list of Domestic Logs and Wood Chips by District

110 Other Monthly Statistics

112 News from the Association

---