

## CONTENTS

Jan-01

New Year's Speech	Makoto Kinzuka...(1)
The Special Issue of 2000 JAPAN TAPPI Annual Meeting and Pan Pacific Conference at Sendai • Ishinomaki General Review of 2000 JAPAN TAPPI Annual Meeting and Pan Pacific Conference at Sendai • Ishinomaki Steering Subcommittee, Keynote Address	JAPAN TAPPI....(4) Makoto Kinzuka...(14)
Lecture by Winner of 1999 JAPAN TAPPI Prize	...(22)
A Visit to Ishinomaki Mill -NIPPON PAPER INDUSTRIES CO., LTD.	...(29)
Technical Report	
The Latest Designed Pressure Screen“GranFlow”(Sasaki prize on2000)to Improve Saving Engergy and Sticky Removal Stock Contamination Analyzer	Takeshi Kanazawa...(35)
Development of On-line System for Measuring Fiber Orientation on Paper Surface Certification and Operational Performance of ISO14001	Yuji Abe...(44) Tooru Shimomura...(52)
Cloned Eucalyptus Plantation	Kunichika Murakami...(59)
Water Vapor Permeation Theory of“GREEN WRAP”	Takashi Kawamukai, Etsuko Ishii and Hisanori Yagi...(65)
Improved Dust Removal at a Sludge Incinerator by a Ceramic Filter	Shingo Obata...(69)
Operating Experience of a New Paper Sludge Incinerator	Kazutaka Wada and Yasuhiro Hara...(76)
The Experience of Waste Water Treatment with High-Purity Oxygen Activated Sludge System	Yoichi Motoe...(83)
The Appliance of New Anaerobic Treatment Technology for the Pulp Mill Waste Water Operating Experiences of Fuzzy Control for Reausticizing and Lime Kiln	Makoto Hirota and Yuhsuke Makita...(88) Yuzo Yamamoto...(94)
On-Site Production of High Quality Precipitated Calcium Carbonate Using the Causticization Step in Kraft Pulping Process	Yasunori Nanri...(103)
Operating Experience of Janus Calender	Akira Chikazawa...(109)
On-Site Production of Xylanase and its Application on Hard Wood Kraft Pulp Bleaching	Nobuyuki Fukunaga...(114)
Committee report	...(03)
Coffee break	...(121)
Papyrus	...(122)
Industry News(Domestic and International)	...(126)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(134)
List of Patents issued and Laid-open Publication	...(136)
Price list of Domestic Logs and Wood Chips by District	...(146)
Wholesale Price list of Papers at Tokyo Trade Center	...(147)
Other Monthly Statistics	...(149)
News from the Association	...(151)

CONTENTS

Feb-01

Topics & Information

Functional Control of Paper by Surface Sizing Agents	Norihiko Nishimura...(1)
Glossing Properties of Engineered Kaolin	R. W. Wygany, R. R. Iyer, D. O. Cummings and Akio Okagawa...(8)
New Modified Starch for Surface Size Press	Mitsuo Ishida...(16)
A Study on Blistering Resistance of Coated Paper	Nobuhiro Matsuda, Fumihisa Miyajima, Shigeo Yamanaka and Yoshiaki Zama...(22)
New Visual Inspection System of Paper-Build "Wipe-Out a Defects" System By TECHNOS Active-Sensing 3010 H-	Yoshiro Yamada...(29)
A New Emulsion Type Defoamer for Paper Making Process	Toshio Ishida...(34)
The Insulation Check and Estimation of the Rest of motor's Life for Paper and Pulp Equipment	Hiroki Matsunaga...(39)
Experience in Use of GREENOXTM Process in Delignification of Kraft Pulps	A. Paren, J. Jakara and Manabu Kodama...(45)
Rewritable Thermal Recording Media using Leuco Dye	Naomasa Koike...(52)

Introduction of Research Laboratories

Laboratory of Biomass Conversion, Wood Research Institute, Kyoto University	...(58)
---	---------

Technical Report

Improvement of Dimensional Stability of Paper in a Drying Process...(Third Report) -The Cross-directional Characteristics of Paper for the Commercial Paper Machine and the Printing Problem- Hiroaki Kuno, Makio Hasuike, Setsuo Suzuki, Masakazu Akatsuka and Kazuhito Ohhira...	...(61)
--	---------

Research Report

Elastic Bending Analysis for Plate of Single-Wall Corrugated Fiberboard -On Supporting Edges and under Uniform Concentration Load of Point or Area range at Plate Center-	Satoru Matsushima and Shigeo Matsushima...(73)
Interaction between Latex and Starch in Coatings during Drying Atsushi Ikeda, Toshiharu Enomae and Fumihiko Onabe...	...(82)

Committee report

Committee report	...(03)
Essay on Intellectual Property	...(57)
Coffee break	...(60)
Papyrus	...(90)
Industry News...(Domestic and International)	...(92)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(100)
List of Patents issued and Laid-open Publication	...(102)
Price list of Domestic Logs and Wood Chips by District	...(110)
Wholesale Price list of Papers at Tokyo Trade Center	...(111)
Other Monthly Statistics	...(113)
News from the Association	...(115)

CONTENTS

Mar-01

Target Rate of Recovered Paper Utilization for Fiscal 2005	Japan Paper Association...(2)
Process Control and Automation	
General Review of 24th Pulp and Paper Process Control Symposium Process	Control and Automation Committee, JAPAN TAPPI...(7)
Present States and Future Prospects of Medical Equipments	Yoshinori Suzuki...(19)
-Toward Human Friendly Medical Equipments-	
Development of the Maglev System : Past, Present and Future	Hitoshi Hasegawa and Masai Muto...(27)
Recent Example of DCS Renewal	Kazuya Nakamura...(32)
Application of Computerized Maintenance Management System	Kenji Takahashi...(38)
The Design of Maintenance Management Software System and Examples of Its Utilization	Tomoaki Hamada...(45)
Application of Control Bus Link between DCS and MCC-An Example and Considerations-	Yoshikawa Hiroaki...(53)
Expectation of FOUNDATION Fieldbus	Kane Kuriyama...(57)
Experience of Introducing All Digital Spot Detector	Toshiyuki Takahashi...(62)
An Improvement of a Head Box Level Meter	Atsushi Hiroshima...(67)
Topics & Information	
A Report on 16th ISO/TC6 Meeting	Takayuki Okayama, Tadashi Kano and Tetsuhisa Oishi...(72)
Recognition and Prevention of Scale Trouble in Papermaking Operation	Kenji Ito and Kenji Mochizuki...(78)
-Focus on Barium Scale as Well as Calcium, Silicon and Aluminium Scale-	
The Current Status of Digital Paper Technology	Yasusuke Takahashi...(87)
Research Report	
Pulping and Bleaching of Plantation Fast-growing Acacias(Part1)	
-Chemical Composition and Pulpability-	Guo-xin Xue, Jian-weng Zheng, Yuji Matsumoto and Gyosuke Meshitsuka...(94)
Development of Iron Oxide Bubbling Fluidized Bed in Direct Causticization Process	Chiaki Nagai...(101)
Committee report	...(03)
Essay on Intellectual Property	...(92)
Coffee break	...(93)
Papyrus	...(109)
Industry News(Domestic and International)	...(113)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(123)
List of Patents issued and Laid-open Publication	...(126)
Price list of Domestic Logs and Wood Chips by District	...(134)
Wholesale Price list of Papers at Tokyo Trade Center	...(135)
Other Monthly Statistics	...(137)
News from the Association	...(139)

CONTENTS

Apr-01

Welcoming New Graduates

- The Paper Industry-Its History, Characteristics and Ecology Kiyooki Iida...(1)
- Development of Mitsubishi High Speed Coater Masahiro Sugihara, Kenji Yamada, Hiroshi Miura and Toshiaki Miyakura...(12)
- High Speed OptiConcept Line for Coated Woodfree Paper Hiroaki Tagashira...(19)
- The Application of Anaerobic Wastewater Treatment System in Paper Industry Koichi Motegi...(30)
- Lighter Weight and Improved Paper Production by Using Noble“Bulking Promoter”  
Kazuo Kubota, Atsushi Hiraisi, Yoshihito Hamada, Toshiyuki Nishimori and Hiromichi Takahashi...(35)
- Effect of Rheology Modifier“SOMAREX”in Coating Runnability Kenji Tsunekawa, Shuichi Arai and Kaori Sugasaki...(40)
- The Latest Web Inspection System and its Future Makoto Endo...(50)
- An Effective Method of Treating Wastepaper by a Gentle Kneading-Process Hideaki Matsukura...(56)
- From Hypochlorite Bleaching to an ECF Sequence -A Step by Step Approach-Jean-  
Christophe Hostachy, Jerome Cudelou and Pierre Larnicol...(63)

Topics & Information

- The Metamorphosis from Manufacturing to Ecofacturing of Cement Industry Masatsugu Taniguchi...(68)
- The Change of Ink Jet Printing Technology for the High Quality and the Progress of Ink  
Jet Recording Media Hiroyuki Onishi...(78)
- Introduction of Research Laboratories(22)
- Laboratory of Wood Chemistry, Research Group of Bioorganic Chemistry, ... (88)  
Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido University

Research Report

- Ozone Treatments of Bleached Kraft Pulp and Waste Paper Satoshi Yamamoto, Chizuru Kaga, Hiroyoshi Hosomura and Takayuki Okayama...(90)
- A Discrimination Method of Paper by Fourier Transform and Cross-Correlation...(Part2)  
-Application to Commercial Xerography Papers- Makoto Shinozaki, Hitomi Miyata, Tomohito Nakayama and Toshiharu Enomae...(98)
- Pulping and Bleaching of Plantation Fast-growing Acacias...(Part2)  
-Comparison of Conventional and Modified Kraft Cookings- Guo-xin Xue, Jian-weng Zheng, Yuji Matsumoto and Gyosuke Meshitsuka...(106)

Pulp and Paper Mills in Japan(1)

- Kasugai Mill, Oji Paper Co., Ltd.Oji Paper Co., Ltd. ... (112)

Committee report

- Committee report ... (03)
- Coffee break ... (87)
- Papyrus ... (123)
- Industry News...(Domestic and International) ... (125)
- List of Titles in Foreign Journals Received by JAPAN TAPPI ... (135)
- List of Patents issued and Laid-open Publication ... (137)
- Price list of Domestic Logs and Wood Chips by District ... (145)
- Wholesale Price list of Papers at Tokyo Trade Center ... (146)
- Other Monthly Statistics ... (148)
- News from the Association ... (150)

CONTENTS

May-01

Energy Saving

- Survey on Energy Consumption in the Pulp and Paper Mills in Japan Energy Committee, JAPAN TAPPI...(3)  
-Part 1 : Energy Conversion and Energy Consumption in Pulp Production-  
The Energy Conservation with the Wide-Ranged Burner Nozzle Shuichi Tega...(22)  
Introduction of Oxygen Decrease Burner Katsunori Hayasaka...(26)  
Development and Operation of Micro Turbine-Combined Package of Steam  
Generator with Supplemental Firing- Satoshi Shibata, Umeo Inoue, Hirofumi Abe and Toshihiko Tanaka...(30)  
Technical Features and Long-term Operating Experience of Mitsubishi Advanced Yasushi Fukuizumi...(34)  
M501G Gas Turbine  
Energy Conservation Application Case by the Turbo Motor Hisao Umezu...(43)  
-Steam Drive of the Boiler Feed Pump-  
Save Energy by Helper Turbine Redesigning the Drive System of Boiler Feed Water Pump Michinari Harada...(46)  
Installation of Steam Turbine and Induction Generator Daisuke Hayasaka...(51)  
-Cutting Cost by Reduction of Energy Loss-  
High Efficiency Transformer-Trend of Energy Conservation and the Technology- Takeshi Tanaka...(56)  
Model Case of Large Scale Wind-farm and its Features -Tomamae Green-Hill Wind-farm- Shigehito Nakamura...(64)  
Development of Fuel Cell Power Plant Yoshimi Shiraiwa...(70)  
Energy Utilization of Woody Biomass-A Perspective- Minoru Kumazaki...(78)  
The Development of Dechlorination Process to Recycling Plastics Fuel  
Masayoshi Tokihisa, Yukihiro Sumihiro, Tadashi Timura and Noriaki Hashimoto...(82)  
DIP Equipment by the Acceptance of the Saving Energy Machine and a Recent Saving Tomoki Yoshino...(89)  
Energy Case

Topics & Information

- Decolouration of Dye in Deinking Treatment Kunio Sugaya...(96)  
2000 Research Projects of Universities and Government Research Institutes Wood Science Committee, JAPAN TAPPI...(124)  
Research Report Measurement of Elastic Constant of Pulp Fiber Wall by Scanning Acoustic Microscope  
Khantayanuwong Somwang, Toshiharu Enomae and Fumihiko Onabe...(104)

Technical Report

- Development and Application of a System for Determining Paper Nonuniformity Hideki Izumi and Yoshio Yoshida...(109)

Pulp and Paper Mills in Japan(2)

- Kanazu Mill, Rengo Co., Ltd.- Rengo Co., Ltd. ...(119)

Committee report

- Committee report ...(03)  
Essay on Intellectual Property ...(102)  
Coffee break ...(103)  
Papyrus ...(132)  
Industry News...(Domestic and International) ...(136)  
List of Titles in Foreign Journals Received by JAPAN TAPPI ...(143)  
List of Patents issued and Laid-open Publication ...(146)  
Price list of Domestic Logs and Wood Chips by District ...(157)  
Wholesale Price list of Papers at Tokyo Trade Center ...(158)  
Other Monthly Statistics ...(160)  
News from the Association ...(162)

CONTENTS

Jun-01

Topics & Information

- Survey on Energy Consumption in the Pulp and Paper Mills in Japan Energy Committee, JAPAN TAPPI...(1)  
-Part2 : Energy Consumption for Paper, Paperboard and Pollution Prevention-  
Advanced Calendering Technology for Cross Direction Caliper Profiling Rex A. Robertson and Hidehiko Yamazaki...(28)  
Continuous Clarifying the Causes of a Corrosive Phenomenon and a Countermeasure Yasuhiro Mochida and Norio Fujita...(39)  
of a Corrosive Phenomenon at Metering Rolls  
PPS Press Screw Separator FAN's Solutions to Solids-Liquid Separation Teruhiko Nishijima...(49)  
The Latest Drive System for Paper Machines Riyuki Yuasa...(56)  
Compozil Select System, The Latest Novel Retention/Dewatering System Yoshikazu Sonehara and Kjell Andersson...(64)  
The Behavior of Viscosity in Paper Coating Color Formulated Osamu Kobayashi and Junji Kasai...(70)  
High Amount of Calcium Carbonate  
Introduction of Scanpro Press Tuner, FeltPerm Masaru Futaba...(75)  
-Portable Tool for Optimizing Press Section of the Paper Machine-  
Trend in Mechanical Seal Technology in Pulp and Paper Plant Hidekazu Takahashi...(82)  
-Selection and Recent Application Examples of Mechanical Seal-

Introduction of Research Laboratories(23)

- Advanced Remediation Group, Institute for Environmental Management Technology, ... (90)  
National Institute of Advanced Industrial Science and Technology

Technical Report

- Improvement of Dimensional Stability of Paper in a Drying Process...(Fourth Report)  
-Shrinkage Prevention of Sheet Edge and Curl Control Hiroaki Kuno, Makio Hasuie, Setsuo Suzuki, Akira Sanada and Kazuhito Ohhira...(92)

Research Report

- Life Cycle Inventory of Woodfree Paper Containing Nonwood Pulp or Deinked Pulp  
Katsuhito Nakazawa, Keiichi Katayama, Toru Katsura, Hiroyasu Sakamura and Itaru Yasui...(102)

Pulp and Paper Mills in Japan(3)

- Ishinomaki Mill, Nippon Paper Industries Co., Ltd.- Nippon Paper Industries Co., Ltd. ... (117)

Committee report

- Committee report ... (03)  
Coffee break ... (89)  
Papyrus ... (125)  
Industry News...(Domestic and International) ... (128)  
List of Titles in Foreign Journals Received by JAPAN TAPPI ... (138)  
List of Patents issued and Laid-open Publication ... (142)  
Price list of Domestic Logs and Wood Chips by District ... (150)  
Wholesale Price list of Papers at Tokyo Trade Center ... (151)  
Other Monthly Statistics ... (153)  
News from the Association ... (155)

CONTENTS

Jul-01

Pulp I

Pulpwood Supply to the Paper Industry-The Trend in 10 Years and the Forecast-	Kiyoshi Miyabe...(3)
Outline of Forest Certification System in the World	Noriyuki Kobayashi...(13)
Evolving Technologies : Strategies Found in Recent Eucalyptus and Acacia Tree Farms Pursuing Intensive Agriculture	Eiji Kojima...(19)
Current State of Recovered Paper Resource and View in the Future	Haruo Takayanagi...(34)
Nonwood Plant Resources-The Status Quo and Their Feasibility to Paper Industry-	Masakazu Morimoto...(49)
Comparison of Wood, Nonwood and Recycled Fiber	Toru Katsura...(64)
-Life Cycle Assessment of Woodfree Printing Paper-	

Topics & Information

Selection of Chlorine Dioxide Production Plant	Mitsuru Tomizawa...(71)
Sheeters with Non-stop Broke-less Stack change-“Air-gap”- New System for Reject Free Pile System-	Susumu Inaba...(77)
Application of Novel Dewatering Element for High Speed Former	Hiroshi Iwata, Daisuke Goto and Masanobu Matumoto...(81)

Research Report

The Studies on the Distribution of Rosin Sizing Agent in the Paper Sheet...(Part1) -Changes in Some Surface Parameters from SEM, TOF-SIMS and ESCA by Addition of Alum-	Yasushi Ozaki and Atushi Sawatari...(91)
Studies on Cigarette Paper during Thermal Decomposition Process -Report 3 : Shrinkage and Surface Changes of Cigarette Paper during Thermal Decomposition Process-	Atsunari Hanada and Fumihiko Onabe...(100)

Pulp and Paper Mills in Japan(4)

-Yonago Mill, Oji Paper Co., Ltd. - Oji Paper Co., Ltd.	...(109)
---	----------

Committee report	...(03)
Essay on Intellectual Property	...(89)
Coffee break	...(90)
Papyrus	...(118)
Industry News...(Domestic and International)	...(123)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(131)
List of Patents issued and Laid-open Publication	...(134)
Price list of Domestic Logs and Wood Chips by District	...(143)
Wholesale Price list of Papers at Tokyo Trade Center	...(144)
Other Monthly Statistics	...(146)
News from the Association	...(148)

CONTENTS

Aug-01

Pulp II

How Can We Improve the Pulp Yield ?	Gyosuke Meshitsuka...(1)
Overview of Mechanical Pulps	Takanori Miyanishi...(7)
State of Arts for Bleach Plant Effluent Closure	Makoto Iwasaki...(16)
Biomechanical Pulping and Biobleaching Using White Rot Fungus IZU-154	Tomoaki Nishida...(32)
Cluster Rule and the Impact on American Paper Industry	Toru Taguchi...(44)
The Evaluation of Pulp and Paper Mill Effluents Using Biological Assessment	Norihisa Tatarazako...(52)

Topics & Information

Progressive System Closure : A Canadian Perspective Michael Paleologou, Talat ahmood,	Ronald Voss and Richard Berry...(62)
Decomposition of Biological Waste Sludge by Thermophilic Bacteria-S-TE process- (Solubilization by Thermophilic Enzyme)	Susumu Hasegawa...(81)
Environmental Care of Silicones for Release Coating -Technical Trend of Solventless Silicone-	Tadashi Nagata...(88)
Functionality Sheet Applications for Electronics Materials	Takanori Suzuki...(94)

Introduction of Research Laboratories(24)

Laboratory of Bioresources Chemistry, Department of Forest and Forest Products Sciences, Faculty of Agriculture, KYUSHU UNIVERSITY	...(104)
---	----------

Research Report

Development of Super Water-absorbent from Cellulosic Materials...(Part 2) -Properties and Structure of Water Absorbent-	Yuehua Xiao and Gyosuke Meshitsuka...(106)
Stress Analysis of Anisotropic Tensile Elastic Deformation Formulation for Single and Double Walled Corrugated Fiberboards	Shigeo Matsushima, Tadashi Yano and Satoru Matsushima...(114)

Pulp and Paper Mills in Japan(5)

-Iwanuma Mill, Daishowa Paper Mfg. Co., Ltd-Daishowa Paper Mfg. Co., Ltd.	...(124)
---	----------

Committee report

Committee report	...(03)
Coffee break	...(103)
Papyrus	...(130)
Industry News...(Domestic and International)	...(134)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(143)
List of Patents issued and Laid-open Publication	...(145)
Price list of Domestic Logs and Wood Chips by District	...(155)
Wholesale Price list of Papers at Tokyo Trade Center	...(156)
Other Monthly Statistics	...(158)
News from the Association	...(160)



CONTENTS

Sep-01

Topics & Information

Analysis of Picking Phenomenon of Coated Paper -Difference of Binding Mechanism between Starch and Latex-	Toshiyasu Nishioka...(1)
New Paper Strength Agent from Grafted Starch	Yuji Baba...(11)
A Non-ionic Retention System Based on Polyethylene Oxide for Paper Grades Containing Mechanical Pulp and DIP	Seika Tay...(17)
The Silicone Type Defoamers for Kraft Pulp Making Process	Shinichi Uehara...(24)
Optimized PM Control with QCM	Jiro Isobe...(29)
With Abstraction of Defect's Characters, Defect's Measurement and Classification -Intelligent Inspection System (P MAX) -	Yoshinobu Sugino...(33)
Better Control of De-Inking by Using BT 5300	Bertil Olsson...(37)
Comparison Between Electric -IR and Gas-IR Dryers for Coating Drying-Ircon Electric-IR Features-	Jurgen Socha and Kenji Yamauchi...(43)
COMPACT PM 5-The First Online SC-A Line-	Yukio Shirakura...(53)

Research Report

Effect of the Soft Roll Cover on the Paper Properties -Experiences through a Single Nip Pilot Calendering-	
Improvement of Abrasion Resistance of Toner on Sheet by Sputter Etching	

Pulp and Paper Mills in Japan

-Ibaraki Mill Takahagi, Nippon Kakoh Seishi Co., Ltd.-Nippon Kakoh Seishi Co., Ltd.	...(76)
---	---------

54th JAPAN TAPPI General Meeting

...(85)

Committee report

...(03)

Coffee break

...(58)

Papyrus

...(109)

Industry News...(Domestic and International)

...(114)

List of Titles in Foreign Journals Received by JAPAN TAPPI

...(126)

List of Patents issued and Laid-open Publication

...(129)

Price list of Domestic Logs and Wood Chips by District

...(138)

Wholesale Price list of Papers at Tokyo Trade Center

...(139)

Other Monthly Statistics

...(141)

News from the Association

...(143)

CONTENTS

Oct-01

ENVIRONMENT VIII

Promotion of Corporate Environmental Performance Evaluation	Motoyuki Kumakura...(3)
Life Cycle Assessment in Pulp and Paper Industry	Toru Katsura...(10)
Carbon Sink Issues under the Kyoto Protocol-Negotiation at COP6 and Science-Legal System for Closed-loop Economy and the Law for Promotion of Effective Use of Resources	Yoshiki Yamagata...(18)
	Koji Kobayashi...(27)
The Future Opportunities and Problems in the New Target of Waste Paper Utilization in Japan	Tsukasa Nisogi...(37)
Trace Analysis of Dioxins Related to Pulp and Paper Mills and Evaluation of the Results	Shogo Kachi...(45)

Topics & Information

Report of 2001 TAPPI International Environmental, Health & Safety Conference and Exhibit	Hiroshi Ohi, Kunitaka Toyofuku, Tetsuo Aoyagi, Hiroshi Araki and Toru Taguchi...(54)
1999 Statistics on Industrial Residuals and their Utilization by Pulp & Paper Mills in Japan	Environmental Technology Committee, JAPAN TAPPI, Industrial Wastes Committee, Japan Paper Association, Environmental Protection Committee, Japan Paper Association...(63)
A Report of 2001...(68th)Pulp and Paper Research Conference	Wood Science Committee, JAPAN TAPPI...(70)
The instance of operation of the High Temperature Induction Heated Jacket Roll for Paper Calender in Oversea Countries-For Soft Calender & Hard Nip Calender-	Kazuhiro Fujimoto...(87)
Synthetic Solution for Pulp and Paper Mills Peter J. Weis, Stephen	W. Eliot, Satoshi Takano and Takashi Kasai...(96)
Introduction of Research Laboratories(25)Laboratory of Chemical Utilization of Cell Constituents, Department of Applied Bioorganic Chemistry, Division of Utilization of Biological Resources, Faculty of Agriculture, GIFU UNIVERSITY	...(102)
Research Report	
Effect of Pigment Size and Shape Distribution on the Cohesion of Pigmented Coatings	Koji Okomori and Pierre LePoutre...(105)
HBS Pulping(3)-Accelerated Effect of RHBS on Delignification	Junko Kajimoto and Yoshihiro Sano...(114)
Pulp and Paper Mills in Japan(7)	
-Iwakuni Mill, Nippon Paper Industries Co., Ltd.- Nippon Paper Industries Co., Ltd.	...(124)
Committee report	...(03)
Essay on Intellectual Property	...(101)
Coffee break	...(104)
Papyrus	...(133)
Industry News...(Domestic and International)	...(137)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(145)
List of Patents issued and Laid-open Publication	...(148)
Price list of Domestic Logs and Wood Chips by District	...(159)
Wholesale Price list of Papers at Tokyo Trade Center	...(160)
Other Monthly Statistics	...(162)

CONTENTS

Nov-01

Topics & Information

- The Effect of Mill Closure on the Flocculation of Various Retention Aid Chemicals  
Takanori Miyanishi and Shigeru Motegi...(1)
- How to Utilize Fungi and Their Enzyme for Clean Product of Pulp and Paper  
Typuk Artiningsih, Wawan Kartiwa, Djoko Padmono, Joko Widodo and Mitsuru Osaki...(13)
- Development of Coating Pigment from Paper Sludge Ash  
Nobuo Yamada and Terunobu Fukui...(17)
- Biological Activity of Tree Component and Its Utilization  
Mitsuyoshi Yatagai...(23)
- EV-Web Scanner  
Atsushi Kudoh...(30)
- Paper Strength Agents with High Performance of Drainage  
-The Interfering Effect of Several Factors in Papermaking System for Drainage,  
Formation and Paper Strength Activity-  
Takayuki Shimoyoshi, Fumie Chigira, Osamu Higashiura, Shiro Iida and Masahisa Ishida...(35)
- New Paper-Based Packages Designed from Environment Aspects  
Takayuki Imai...(46)
- The Development of Printed Circuit Board by Aramid  
Sadamitsu Murayama, Mamoru Murata and Hirokazu Hiraoka...(52)
- How to Measure Dimensional Stability Bernt Bostrom and...(Translated)  
Akira Ejima...(59)
- New trends of Two-Color Direct Thermal Papers  
Yoshimi Ikezawa...(66)

Research Report

- Surface Characteristics and Print Quality of Inkjet-grade Papers  
Yong-Kyu Lee, Kuk-Heon An and Shigenori Kuga...(73)
- Characteristics of Hollow Sphere Plastic Pigment...(Part I)  
-Optical Properties of Coated Paper and Colorimetric Control in Printing-  
Hitomi Hamada, Toshiharu Enomae, Fumihiko Onabe and Yoko Saito...(79)

Pulp and Paper Mills in Japan(8)

- Daishowa Paper Manufacturing Co., Ltd. Suzukawa Mill-  
Daishowa Paper Manufacturing Co., Ltd. ... (87)

- Committee report ... (03)
- Coffee break ... (72)
- Papyrus ... (96)
- Industry News...(Domestic and International) ... (98)
- List of Titles in Foreign Journals Received by JAPAN TAPPI ... (107)
- List of Patents issued and Laid-open Publication ... (109)
- Price list of Domestic Logs and Wood Chips by District ... (119)
- Wholesale Price list of Papers at Tokyo Trade Center ... (120)
- Other Monthly Statistics ... (122)
- News from the Association ... (124)

CONTENTS

Dec-01

Newest Coating Technology

A Review of Paper Coating-Paper Coating Technologies in the 20th Century- Coating Colors	Terunobu Fukui...(3) Hisashi Matsui...(20)
Technologies for High-Speed Coating	Masahiro Sugihara and Hiroshi Miura...(39)
The Newest Coating Technology-High Speed and High Quality Coating Technology- Coating Head and Products	Kouichi Yuuki...(48) Tadashi Sasa...(55)
Operating Experience of High Speed Coater	Ryuichi Katayama...(63)
Operating Experience of Coaters in Iwakuni Mill	Yutaka Kaneko...(69)
Trends of Printing Industry	Takuo Kitayama...(74)
Coated Paper from Viewpoint of the Printing Side	Jiro Kawabayashi and Hiroshi Onishi...(83)
Introduction of Research Laboratories Department of Applied Physics and Chemistry, Faculty of Engineering/Graduate School of Engineering, Fukui University of Technology	...(90)

Research Report

Wastewater Treatment Technology for Small Scale Pulp and Paper Mills in Thailand...(Part3) -Photo-catalytic Oxidation Treatment of Wastewater from Pulp and Paper Mills in Thailand- Formation, Characterization and Application of a Microporous Layer using a Bubble Coating Method	Shuichi Maeda, Masakazu Hakomori, Toru Nakai, Akira Nakamura and Masaru Kato...(102)
Pulp and Paper Mills in Japan -Yodogawa Board Mill, RENGO Co., Ltd.-RENGO CO., Ltd.	...(113)

Committee report	...(03)
Essay on Intellectual Property	...(92)
Coffee break	...(93)
Papyrus	...(116)
Industry News...(Domestic and International)	...(118)
List of Titles in Foreign Journals Received by JAPAN TAPPI	...(129)
List of Patents issued and Laid-open Publication	...(131)
Price list of Domestic Logs and Wood Chips by District	...(142)
Wholesale Price list of Papers at Tokyo Trade Center	...(143)
Other Monthly Statistics	...(145)
News from the Association	...(147)