

TABLE OF CONTENTS

	Page
1-1 Catalytic Influence of Stabilizers and Transition Metal Ions In Oxygen Bleaching Reactions	5
J. T. McCLOSKEY, J. D. SINKEY, and N. S. THOMPSON	
1-2 Influence of Transition Metals In Oxygen Pulping	11
L. L. LANDUCCI and N. SANYER	
1-3 Effect of pH On The Degradation of Lignin By Oxygen	21
J. D. KARNA, K. V. SARKANEN and L. N. JOHANSON	
1-4 Characterization and Comparison of Soda Oxygen-Alkali and Soda Pulping Liquors	33
P. W. MULLEN and C. W. DENCE	
1-5 Evaluation of The Degradation of Cellulose and Delignification During Oxygen Bleaching	43
R. GUSTAVSSON and B. SWAN	
2-1 Hopes Oxygen Pulping Process—Its Basic Concept and Some Aspects For The Reaction of Oxygen Pulping	53
T. NAGANO, S. MIYAO and K. TAKEDA	
2-2 Oxygen Pulping of Thermomechanical Fiber	61
R. MARTON, A. BROWN, and S. GRANLOW	
2-3 Oxygen Pulping of Wood Chips With Sodium Carbonate	67
I. L. MINOR and N. SANYER	
2-4 Oxygen-Alkali Pulping of Beech Wood	75
M. NAKAMURA and H. MATUURA	
2-5 Oxygen-Sodium Bicarbonate Digestion of White Birch	93
A. G. JAMIESON, H. SAMUELSON and L. A. SMEDMAN	
2-6 Oxidative Pulping of Hardwoods	105
G. A. NICHOLLS, R. G. JAMIESON, and V. J. VAN DRUNEN	
3-1 Soda-Oxygen Pulping of Pinewood For Different End-Products	115
M. SAUKKONEN and I. PALENIUS	
3-2 Microscopic Characterization of Paper and Fiber Properties of Linerboard Yield Soda-Oxygen/Alkali and Kraft Pulps	129
R. B. PHILLIPS and D. C. McINTOSH	
3-4 Semichemical Pulping With Na ₂ CO ₃ and NaOH Combinations	137
L. P. HANSON and S. I. KUKOLICH	
3-5 Oxygen-Alkali Semichemical Pulping of Wood Chips	143
K. HATA and M. SOGO	
4-1 Black Liquor Evaporation and Odor Control In "Sulfur-Free" Alkaline Pulping	149
R. W. BROWN, J. W. DiLUZIO, D. E. KUHN and C. C. RAPP	
J4-2 Kenaf Pulp — Soda vs. Sulfate	155
M. O. BAGBY, R. L. CUNNINGHAM, and T. F. CLARK	
4-4 The Role of Total Process Concepts In Evaluating Pulping Research	161
J. F. HARRIS	