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(Orig. Ident. Reel 3C)

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14. (Completed)
15. Report on OXO process, 1940-41.
16. Statistics - Paraffin and Coal Tar Products, 1941-43.
17. Review of Research Group I - Work and Costs, 1935.
18. Production of Kybol (Di-ethyl Benzene) at Schkopau and Ludwigs-hafen, 1941.
19. Summary of I.G. Plants and Processes, Feb. 1942, History from 1937, Plans through 1945 - Puro Sparte I.
20. Miscellaneous Documents - Eils.

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1. Preparation of dicarboxylic acids by electrolysis.
2. Electrosynthesis of Sebacic Acid Dimethyl Esters.
3. Extraction of Sapropele from Lettland.
4. The synthesis of higher alcohols by the Methanol Synthesis from water gas.
5. Experiments with the Methanol Synthesis, Parts I, II, and IV.
6. Semi-Annual Report on Middle Pressure Methanol Synthesis (Last half 1943).
7. Semi-Annual Report on Middle Pressure Methanol Synthesis (First half 1943).
8. Monthly Report Middle Pressure Methanol Synthesis, Nov. 1942.
9. Drawing of Experimental Tube for Hydrogenation of Methyl FORMATE to Methanol.
10. Operating description of the Methanol Plant at Wolfgang.
11. Continuous production of Methyl Formate according to the method of Dr. Brendlein.
12. Flow sheet of 50 ton per month glycerine plant (Brendlein).
13. Flow sheet for production of Methyl Formate from CO and Methanol (Brendlein).
14. Alternate Flow Sheet for production of Methyl Formate from CO and Methanol (Brendlein).
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16. Methyl Formate - Synthesis from Wood, distillation gas.
17. Plant for Production of 25 tons per month of Methyl glycerine from Crotonaldehyde.
18. Production of Hydrogen, Allyl Alcohol from Acrolein, Methane Cracking.
19. Conference on the Hydrogenation of Crotonaldehyde to Butanol.
20. Stability of Copper Aluminum and various steels to Crotonaldehyde containing Crotonic Acid.
21. Comparison of Dehydag and I.G. Method for Hydrogenation of crotonaldehyde to Butanol.
22. Method for holding reaction temperature constant for Exothermic reactions.
23. Method of preparing catalysts for the hydrogenation of crotonaldehyde to butanol.
24. Conference on hydrogenation of aldehydes.
25. Equipment specifications for high pressure hydrogenation plant to produce 200 tons/month butanol.
26. Semi-annual report from organic laboratory of Dr. Brendlein (last half 1941).
27. Monthly report from above laboratory, November, 1942.
28. Semi-Annual Report from same laboratory first half 1941.
29. Crotyl chloride from crotyl alcohol.
30. Ethyl acetate from acetaldehyde (4 reports).
31. Ring cleavage of Formyl Dihydro Pyran to 1, 2, 6 Hexanetriol and its derivatives.
32. Corrosion problems in Butanol manufacture.
33. Trioxybutane plant in Rodlaben.
34. Technical questions on Trioxybutane manufacture.
35. Memorandum on centrifuge for Trioxybutane plant.
36. Memorandum on Silver Cooler for Trioxybutane Plant.
37. 2,000 ton per year Trioxybutane plant at Furstenberg.
38. Laboratory Explosion in Crotyl chloride experimental equipment.
39. Hydrogenation of Acrolein to Propionaldehyde.
40. Discussion of Hexanediol Preparation.
41. Key to Catalyst symbols.
42. Effectiveness of certain insecticides.
43. Insecticidal efficiency of chloraminos.
44. Hydrogenation of Furfural.
45. Properties of Dimethylformamide.
46. Method of preparation of Halogen and nitrogen containing compounds.
47. Propanesulton.
48. Memorandum on Dimethylformamide.
49. Preparation of Methyl Isopropanyl Ketone from Formaldehyde and Methyl Ethyl Ketone.
50. Reaction of Ammonia on methanol in Furstenberg.
51. Quarterly report from Dr. Brendlein's organic laboratory - last quarter of 1940.
52. Same - third quarter of 1940.
53. Same - second quarter of 1940.
54. Same - first quarter of 1940.
55. Same - last quarter of 1939.

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56. Monthly Report - same laboratory, December, 1942.
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58. Hydrogenation of Methoxy - Propionaldehyde - Dimethylacetal and Ethoxy-Propionaldehyde-diethylacetal.
59. Recovery of Acetylene from the waste gas from acetylene ketonization.
60. Hydrogenation of "Ferulasaure and Ferulassaurem Ammonium".
61. Preparation of 1.3 propene dioldialkyl ether from alkoxypropionaldehydedialkylacetal.
62. Separation of Allyl alcohol from mixtures by wash distillation.
63. Separation of methylcyclopentanone from furfural by wash distillation.
64. Separation of Crotyl-Butyl alcohol mixtures by wash distillation.
65. Hardening of neatsfoot oil.
66. Separation of Isopropyl alcohol and tertiary butyl alcohol by wash distillation employing water and benzol as wash medium.
67. Separation of acetic acid - formic acid mixtures with toluene as the wash medium.
68. Experiments with zinc-chromium alkylation catalysts in the synthesis of higher alcohols.

(b) Reactions of CO and H on Olefins OXO Reaction

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70. Status as of October 1, 1943.
71. Status as of August 1, 1943.
72. Status as of June 1, 1943.
73. Status as of April 1, 1943.
74. Status as of December 1, 1942.
75. Status as of October 1, 1942.
76. Status as of August 1, 1942.
77. Status as of June 1, 1942.
78. Status as of April 1, 1942.
79. Status as of February 1, 1942.
80. Status as of December 1, 1941.
81. Status as of October 1, 1941.
82. Status as of August 1, 1941.
83. Status as of June 1, 1941.
84. Status as of April 1, 1941.
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86. Status as of February 1, 1943.
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(d) Work on Oxo and Synol Alcohols

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- 89. Status as of October 1, 1943.
- 90. Status as of August 1, 1943.
- 91. Status as of June 1, 1943.
- 92. Status as of April 1, 1943.
- 93. Status as of February 1, 1943.

(e) Hydrocarbon Synthesis from CO and H₂

- 94. Progress Report, December 1, 1943.
- 95. Progress Report, August 1, 1943.
- 96. Progress Report, June 1, 1943.
- 97. Progress Report, April 1, 1943.
- 98. Progress Report, October 1, 1942.
- 99. Progress Report, August 1, 1942.
- 100. Progress Report, June 1, 1942.
- 101. Progress Report, April 1, 1942.
- 102. Progress Report, February 1, 1942.
- 103. Progress Report, December 1, 1941.
- 104. Progress Report, October 1, 1940.

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