Form 524

R. J. REYNOLDS TOBACCO COMPANY

RESEARCH AND DEVELOPMENT DEPARTMENTS

Job No.

Subject Quarterly Report, March-May 1970.

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Project # 202 - Physical Chemistry of Starch Products.

Particle Size Distribution in Dispersed Benzyl Starches.

Attempts by Dr. Paul Corey to duplicate the starch suspensions received here from Penick & Ford were unsuccessful. A sample of the most nearly successful batch accompanied one of the Penick & Ford samples to Micromeritics. Due to their long delay in examining the samples, bacteria destroyed the material prepared by Dr. Corey. Micromeritics reported orally that they were unable to analyze the Penick and Ford sample. A written report is not yet in hand.

Project # 204 - Outsider Ideas

Stanford Research Institute CO Remover.

Dr. Henry Wise's CO remover has received much attention. Tests here which were run in accordance with Dr. Wise's several directions and tests run by usual methods have not demonstrated the efficacy in CO removal claimed by Dr. Wise.

Project # 203 - Selective Filtration of Cigarette Smoke

Amidoxime Starch Complexes.

The optimum degree of substitution of amidoxime starch for Cu(II) complexation has not yet been determined. This work has been deactivated.

The optimum particle size for granular Cu(II) amidoxime starch appears to be 40 to 60 mesh.

Copper transfer from Cu(II) amidoxime starch

SIGNATURE AND DATE READ AND UNDERSTOOD