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Project TC

Following is a chronological summarization of our experimental work to date on Project TC:

The LUCKY STRIKE portion of the project has been completed. For target "tar" of 20 mg., recommendations are to use the present blend with Ref. 110-6 cigarette paper at a 4 oz. weight of 117-119.

The PALL MALL Famous segment of the project has not been completed. Target "tar" of 20 mg. was attained through use of Ref. 04263 cigarette paper and blends completely different from the regular PALL MALL Famous blend. Limited panels indicated that these blends are not comparable to PALL MALL in taste. No further work has been done toward this end.

A limited amount of work was done to determine the effect of blend components on cigarette pressure drop. The results seem to indicate that the use of FET in present blends for "tar" control is restricted to small quantities (less than 10 per cent by weight) to prevent excessive pressure drops.

The experimental work on Phase I of Project TC is complete. Target "tar" of 19-19.5 mg. was reached utilizing a 27 mm. 5/40,000 #10 plug per hundred millimeter cigarette along with Ref. 110-6 cigarette paper and a 4 oz. weight of 96. Tipping length is 32 mm. with 65 mm. being the length smoked. Experimental cigarettes have been fabricated for an outside panel.

Anticipating a need to reduce "tar" on DERINGER, a limited amount of work has been done toward this end. Preliminary results indicate a 2-3 mg. and 5 mg. reduction per cigar through use of poro-wrapped rods in conjunction with various one-line perforated tippings. At present, no further work along these lines is underway.

With reference to Phase II of Project TC, cigarettes have been fabricated with experimental rod plasticizers from Eastman containing polyethylene glycol in combination with the plasticizers we normally use. Results to date show no reduction in "tar". Cigarettes utilizing glycerine as an additive to the polyethylene glycol type plasticizers have been made, but results at present are inconclusive.

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Work on the rotogravure method of paste application to super-porous tipping has been delayed due to the slowness of outside fabrication of needed parts. Efforts are being made to expedite this.

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