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Progress Report - Research Section

Burn regulation activities are summarized below.

- On Tuesday, October 22, P. H. Leake, E. C. Cogbill, and B. F. Price attended a TSG meeting where John Krasny of NBS gave his Phase I report on commercial cigarette ignition propensity. He reported only small differences among 12 selected brands. Afterward, we toured Krasny's laboratory and observed his techniques, equipment, and materials.

- We reviewed our own materials and techniques and began implementing the changes necessary to bring us in line with NBS methodology.

- We completed chair mock-up analyses for a series of five HERBERT TAREYTON model cigarettes that consisted of a control and four common tippings.

- Ash analysis of BCF foam revealed that over 90% of the 2.4% ash was $CaCO_3$. This accounts, in part, for the high density (2 lb/ft^3) of the foam.

- Padding and fabrics are being examined by the oxygen deprivation technique for any characteristic patterns.

Favor "smokeless cigarettes" in Regular, Light, and Menthol models were received for evaluation. A pack consists of six cigarette-appearing tubes sealed in foil pouches. Visual examination reveals that this set of samples is different from the first Favor product that we examined in 1984. Physical, chemical, and simulated smoke analyses are in progress.

Seven recently prepared Maillard reaction products, comprising one "HFP" sample and six "F-G" samples, were analyzed by HPLC. All samples were similar, qualitatively and quantitatively, to previously prepared products.

Determination of "tar" and nicotine deliveries of CARLTON 100's Menthol Cigarettes, using the Coresta method, has been completed. These data, along with Coresta data on CARLTON 100's, will be reported tomorrow. Eight Japanese cigarette brands have been received for analysis to compare FTC and Coresta methods for "tar" and nicotine. Smoking of these cigarettes will begin on Monday.

mwt

cc: PHL, JFA, RDC, EPB, ECC, JGB, BFP, WWB