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TO: Dr. J. H. Reynolds
FROM: J. H. Robinson
RE: Highlights

July 12, 1988

- o Psychophysiology of Smoking - Usable data from 11 subjects have now been collected in part 2 of the smoking/mental stress evoked brain potential study. Data from 5 additional subjects is needed to bring the total number of subjects tested for part 2 of the study to 16, and the total for parts 1 and 2 to 32.
- o Smoke Component Dose -
- o Support to Brands R&D - Project HSB data are beginning to arrive from the remote test sites. A brief survey of the data indicates that about 10% of the hand-entered data contain errors and will have to be edited. Dr. Griffith is preparing a computer program to scan the incoming data and detect some of the errors. Dr. Griffith traveled to Savannah briefly to correct some equipment problems at that site.
- o Support to NPT - Preliminary analyses of the puff-profile and urine mutagenicity data collected in the 1987 Human Studies Program were conducted. Further analyses of these data will be required before any interpretation can be made.
- o Support to ETS - Mr. Roger Jennings and Ms. Deborah Kay (ETS Division) are currently configuring a video imaging system for enhancing data collection during ongoing eye irritation studies. The imaging system will not only validate the current infrared eye blink detection system, but will also provide other blink/vision related data during exposure to ETS. A simplified version of the video imaging system has been assembled and will be used in the NPT/ETS environmental chamber to begin the validation of the infrared eye blink detectors.
- o Basic Sensory Research - Mr. Roger Jennings and Dr. Jim Walker visited Dr. Donald Warren, an RJRT consultant and contractor at the University of North Carolina at Chapel Hill. Dr. Warren's laboratory has completed the construction of an automated olfactometer which he will use to investigate the interaction between the physiology of the upper respiratory airway and odor perception. Dr. Warren's staff is now completing the final wiring and programming for this system. Many features of this programming will be used when the microcomputer now used for the Human Odor Testing Facility (here at BGTC), is replaced with a machine compatible with that used by Dr. Warren.
- o Miscellaneous - Dr. Robinson met on two occasions with Mr. J. Blanchard to discuss issues relevant to nicotine addiction.

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