demonstrates B&W's awareness of the results of studies such as Project HIPPO, <sup>166</sup> which was just one of a number of studies commissioned by BATCO to study the physiological and pharmacological effects of nicotine. For example, a 1980 report addresses the critical role of nicotine's drug effects:

Nicotine is an extremely biologically active compound capable of eliciting a range of pharmacological, biochemical, and physiological responses in vivo ... In some instances, the pharmacological response of smokers to nicotine is believed to be responsible for an individual's smoking behaviour, providing the motivation for and the degree of satisfaction required by the smoker. 167

The BATCO documents include not only some of the research reports themselves, but also summaries or minutes of numerous BATCO research and development (R&D) meetings at which nicotine's drug effects and importance to the industry were discussed. These papers demonstrate both the consistency and the extent of industry's interest in and knowledge of

I suggest to you and Henry that it is now timely to release these reports to the S.A.B. [Scientific Advisory Board of the Tobacco Institute Research Council].

June 19, 1963, note for Mr. Cutchins of B&W, noting that Sir Charles Ellis had sent Mr. Cutchins reports of research that BATCO had sponsored at Battelle:

<sup>....</sup> showing the beneficial effects of nicotine .... BAT decided to make this research available to the T.R.C. [Tobacco Research Council of the U.K.] .... Todd, of T.R.C. is to-day sending copies to T.I.R.C. [Tobacco Industry Research Committee of the U.S.] with a request that they consider whether it would help the U.S. industry for these reports to be passed on to the Surgeon General's Committee.

Appendix 2 contains a detailed description of how the research was shared between B&W and BATCO. The B&W/BATCO documents that recently were made public offer an extraordinary glimpse into the workings of the third largest U.S. tobacco company. Although the five other leading U.S. tobacco companies received requests from FDA on July 11, 1994, for similar documentary evidence, to date the companies have failed to provide the requested information. See Appendix 3. Tobacco industry material is cited throughout the Legal Analysis and Findings sections of this document that refers to the workings of the five U.S. tobacco companies. This material constitutes just a representative sample of the internal information still in the possession of those companies.

<sup>&</sup>lt;sup>167</sup> BATCO Group R & D. Southampton, England. Method for Nicotine and Cotinine in Blood and Urine. Report No. RD.1737-C. May 21, 1980. Page 2.