

CONFIDENTIAL.

13th February, 1963.

To :- Mr. D.S.F. Hobson.

From :- Sir Charles Ellis.

PROJECT ARIEL.

This project is to make a device closely similar to a cigarette with much the same social and psychological appeal but which delivers nicotine without the products of combustion of tobacco. Battelle were given a twelve months' contract to work on this, starting March 1962, and they have been successful in already arriving at a point where it has been possible to write a Provisional Patent Application. This was filed on 17th January 1963, allotted the number 2177/63, and a copy is attached at Appendix A. The Final Application must be submitted within one year and will have to give much more detailed information about the device, and include design data and performance figures relating to some actual "cigarettes" that have been constructed and smoked.

You will recall that last September the leading people of R. & D., Southampton, were brought into this project, and now with their help a detailed programme has been drawn up of how they and Battelle jointly can carry out this further work. The main burden during the next year must fall on Battelle as this is a direct continuation of their work during the last year, and because through their projects MAD HATTER and HIPPO they have available all the biological technique for testing these "cigarettes" for their physiological effects. The Proposal from Battelle, attached at Appendix B, amounts to £16,500 for 12 months, and contains as an annexe a detailed schedule of experiments. It is necessary on this occasion to go into this detail to ensure that there is no hitch in the gradual transfer of the responsibility to R. & D. as the matter progresses. Whether or not it will be necessary to employ Battelle for any further period on this project can only be judged in the light of future developments. It will be noticed, however, that the proposal contains a definite phrase stating that B.-A.T. will undertake the commercial realisation of the project.

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I recommend that Battelle's proposal be accepted. There is now no doubt that the project is feasible, and it is important that we carry out this further study to see whether from this beginning we can develop something more sophisticated. You may be interested to know that I have myself smoked two crude versions of the devices shown in Fig. 1 and Fig. 3 and obtained a marked nicotine effect without, of course, any combustion products.

Charles Ellis

Enclosures.

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