

→ AD Little
fine

November 1, 1966

Mr. David Hardy
Shook, Hardy, Ottmann, Mitchell & Bacon
915 Grand Avenue
Kansas City, Missouri

Dear Dave:

ADL

It is proposed that Arthur D. Little undertake the following assignments in connection with the white paper and preparations for hearings:

1. A thorough review and analysis of animal experimental work on the effects of tobacco and cigarette smoke and its derivatives. This would include a report and evaluation of what is known and not known about smoke ingredients as they may or may not relate to problems of carcinogenesis.

In reviewing what is known and not known about constituents, it is understood that the greatest emphasis would be placed on those constituents which are currently being cited as possibly harmful, or are likely to be cited as such. However, since this selection involves a high degree of individual judgment, the review should also cover other known constituents or classes of constituents even though they may not appear to be of significance today.

(This appears to have been the approach in ADL's Part III, "Chemical Components of Cigarette Smoke and Biological Activity," submitted to the Surgeon General's Advisory Committee.)

In a way, this should enable us to come up with a historical review concerning materials in cigarettes and smoke alleged to contribute to lung cancer, including discussion of how these constituents were (or are being) checked out and where they stand now.

Also, utilizing this review, we would be able to evaluate the pros and cons of claims or suggestions regarding individual constituents, or classes of constituents.

In part, this project for ADL will involve updating a good deal of the material in Part III of the ADL SCAC submission. It would not, however, require the extensive supporting data as contained in Appendix A and B of Part III. It would also involve some updating of part of ADL's Part IV, which deals with inhalation experiments.

It is understood that in undertaking this project ADL would review and analyze not only the published work of scientists, but also its own relevant, unpublished research in these areas.

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2. A review and evaluation of the evidence implicating smoking in cancer of several sites, including an evaluation of current knowledge of the possible role of other factors. This evaluation by sites would concentrate chiefly on lung cancer, but should also include oral cancer, laryngeal cancer and bladder cancer.

This second project was suggested to Dr. Kensler because it seems a natural byproduct of the other two projects being handled by ADL. These are, of course, the statistical review, and the review of animal experiments and current knowledge of smoke constituents.

For this overall project, Dr. Kensler has estimated an overall cost of around \$50,000. This was a top-of-the head evaluation, however.

Best regards,

EDH:sjs

cc: Dr. Kensler
Fred Haas

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