PLAINTIFF'S EXHIBIT API-89

ESSO RESEARCH AND ENGINEERING COMPANY

(FORMERLY STANDARD OIL DEVELOPMENT COMPANY)

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February 19, 1957

Messrs: E. W. Adams — R. C. Mithoff
C. H. Hine* — M. N. Newquist
E. K. Linder — A. C. Pabst

Gentlemen:

I am attaching a tentative draft of the minutes of our last meeting.

I would appreciate any comments, suggestions, or additions which you make to these minutes before I prepare them in final form.

It might appear advisable to circulate these minutes to the MAC after they are prepared in final form.

Sincerely yours,

R. E. Eckardt

R. E. ECKARDT, M. D.

REE:ejh
Attach. - Minutes of the Meeting of the Subcommittee on Carcinogenicity, Held at the Biltmore Hotel, Los Angeles on January 31 - February 1, 1957 R. E. Eckardt, M. D. (February 18, 1957).

cc: Dr. L. E. Curtis
Mr. D. V. Streep ✓

* - In Duplicate

API 06325

MINUTES OF THE MEETING OF THE

SUBCOMMITTEE ON CARCINOGENICITY

Held at the Biltmore Hotel, Los Angeles

January 31 - February 1, 1957

The meeting was called to order at 10:00 a.m., January 31 in Dr. R. E. Eckardt's suite at the Biltmore Hotel.

In attendance were the following:

R. E. Eckardt, M. D. - Chairman
N. W. Bolyard (representing E. W. Adams)
E. K. Daniels (representing A. C. Pabst)
C. H. Hine, M. D.
E. K. Linder, M. D.
M. N. Newquist, M. D.
R. C. Mithoff, M. D.

The first order of business of the Subcommittee was to review the proposals of the various laboratories for the study of carcinogenicity of petroleum waxes. Copies of the proposals obtained from each laboratory were given to each of the members of the Subcommittee and the Subcommittee then adjourned for an hour to permit each individual an opportunity to review each proposal.

When the Subcommittee reconvened, Dr. Hine had prepared a summary of the items which each laboratory planned to study for comparative purposes. It was then decided by the Subcommittee, after reviewing each of the proposals, that any one of the laboratories could probably conduct a satisfactory study, but some proposals showed more imagination than others. Each Subcommittee member was asked to express his opinion as to his first choice of a laboratory in which the studies should be conducted. On this basis, four of the laboratories were selected and three were eliminated. Next, each Subcommittee member was asked to rank the four laboratories so selected and one of the four laboratories was eliminated in this fashion. Since there wasn't a unanimous opinion concerning which of these should be recommended, it was decided to recommend all three, but to rank them in accordance with the preferences of the Subcommittee, based upon a proportional representation vote to be undertaken the following day, after each Subcommittee member had an opportunity to re-review the proposals of the three laboratories concerned.

Results indicated preferences in the following order:

1. Dr. Philippe Shubik's laboratory
2. The Hazleton Laboratories
3. Dr. Norton Nelson's laboratory

The next order of business discussed was how to implement a survey of wax uses for the guidance of the biological work. It was the consensus of the Subcommittee that our recommendations on this were cleared at the April meeting of the MAC and that we had no further responsibility in this direction.

The next order of business concerned the draft letter by the Chairman which he proposed to be sent to Dr. E. M. Adams of the Dow Chemical Company. Apparently the Subcommittee members did not understand that this letter was to be cleared through Mr. Stroop's office and therefore would receive clearance by Mr. Stroop through Mr. Porter before it was sent out. When this situation was explained, the Subcommittee was in unanimous agreement that the letter should be sent to Dr. Adams under the signature of the Chairman of the Subcommittee, acting as Chairman of the Subcommittee, assuming that there were no objections to his course of action by Mr. Stroop. Upon returning to New York, the Chairman called Mr. Stroop and was informed that there were no objections to sending out this letter and, hence, arrangements have been made to obtain API stationery and forward this letter to Dr. Adams on API Stationery as a statement of the Subcommittee, signed by the Subcommittee Chairman.

The next order of business was a discussion of what should be sent to the Institute of Petroleum in Britain by our Subcommittee. There was a general consensus that we should send Dr. Horton's 1955 and 1956 reports along with the minutes of the Subcommittee meetings during the years 1955 and 1956. It was felt desirable that this information sent to Great Britain should be sent from Mr. Stroop's office and that future correspondence from the Institute of Petroleum in Britain be forwarded to our Subcommittee through Mr. Stroop's office. In other words, it should be addressed to Mr. Stroop to the attention of the Chairman of the Subcommittee on Carcinogenicity. In this way, even though changes occur in the chairmanship of the Subcommittee, it will be possible to see that the information gets to the Subcommittee Chairman. At the same time, the question of summarizing the British work was brought up and it was deemed undesirable to have Dr. Horton prepare such a summary. It was proposed that a member of the Subcommittee prepare such a summary and it was further suggested that Dr. Hine be so appointed. Therefore, I am making this appointment as Chairman now.

The next order of business discussed was the next meeting of the Subcommittee. It was agreed that this should be held on April 2 in Chicago. An attempt will be made by the Chairman to reserve a suite at the Blackstone Hotel so that the meeting can be held in his suite on April 2. It was suggested that it would be extremely helpful to the Subcommittee members if they could obtain by March 25 from the Kettering Laboratory the following:

A. Status report by Dr. Horton

B. Final report by Dr. Phair

C. Budget proposals for the interval of July 1, 1958 to June 30, 1959 from Dr. Kehoe

This information has been transmitted to the Kettering Laboratory representatives and the above meeting date and desire for the reports expressed in the letter from the Chairman.

The final order of business discussed was a meeting of the Subcommittee at the time of the Industrial Health Conference in St. Louis. It was agreed that an open meeting at which all MAC members would be welcomed, will be scheduled for Saturday, April 20 at 8:00 p.m. at the Sharaton-Jefferson Hotel in St. Louis. The plan will be to have the draft report of the Subcommittee to the MAC prepared and distributed to all members of the MAC and to have the discussion at the meeting on April 20, simply be a whipping up into final form of the report for the MAC.

There was also some discussion by the Subcommittee of the possible carcinogenic effects of air-blowing asphalt and oil mists which might occur within the refinery. In this connection, Dr. Eckardt reported to the Subcommittee, the work which Esso Research and Engineering Company had sponsored at NYU. This work had shown that the condensate of the fume obtained with air-blowing of asphalt was highly carcinogenic to the skin of the mouse and that the material scrapped off a fan blade which was used to ventilate a slurry oil pump, was also carcinogenic to the skin of the mouse. Dr. Eckardt warned that only one fume of an asphalt had been tested and it was not, therefore, possible to say that all asphalt blowing fumes are carcinogenic. The consensus of the Subcommittee on these problems seemed to be that it probably represented an individual company problem, but that if there was enough general interest in it, perhaps the Subcommittee could consider experimental work on it at some future date.

The Subcommittee was of the opinion that the work at the Kettering Laboratory had essentially fulfilled its purposes and that the work probably would be terminated as of July 1, 1959. The Subcommittee meeting continued into the morning of February 1 and about one-half an hour before the Subcommittee adjourned, Dr. Kehoe was asked to join the Subcommittee meeting. At this time, he was informed about the meeting on April 2 and the desire of the Subcommittee for the reports by March 25. In addition, he was informed that it was the feeling of the Subcommittee that the carcinogenic work at Kettering Laboratory would be terminated as of July 1, 1959. Hope was expressed to Dr. Kehoe that an adequate final report of the work at Kettering Laboratory would be made available to the Subcommittee at the time of the termination of the work on July 1, 1959.

Minutes Prepared By
R. E. Eckardt, M. D. - Chairman
February 18, 1957