

DGF/VC/46D-2

23rd November, 1966

Dr. W. Miedreich,
Battelle Institut E.V.,
FRANKFURT AM MAIN W13,
Wiesbadenerstrasse.

Dear Dr. Miedreich,

Thank you for your letter of November 15th which was waiting for me when I returned to the office last week. I am very grateful for the information regarding the analytical data on smoke condensate produced from the 80 cigarettes using puff volumes of 10, 25, 35 and 50 ml. respectively, and for the further information regarding the nicotine and tar content per dose of painting solution.

Although there is a slight variation in the tar to nicotine ratio with puff volume, and the nicotine content is higher for the smallest puff volume, it would seem rather unlikely that this difference is sufficient to account wholly for the deaths of mice from toxicity.

Therefore, I agree with your reasoning in the letter that there may be other substances in the 10 ml. condensate which have a nicotine-like effect, or promote the toxic effect of nicotine. I think this is a very interesting observation but I feel quite unable to hazard any guess as to what these other materials may be. I think it will be well worthwhile our undertaking an investigation here of possible differences in the various condensates from an analytical point of view.

I was, incidentally, very relieved to learn yesterday that the death rate has diminished almost to nothing, even for the animals dosed with 10 ml. condensate.

With kindest regards,

Yours sincerely,



C.c. Dr. M. Schwick

Not on original or Dr. Schwick's copy:

C.c. Sir Charles Ellis
Dr. S. J. Green
JANUS File

105610391