

September 21, 1960.

Dr. D. G. Felton,
Research & Development Establishment,
Regent's Park Road,
Southampton, England.

Dear Geoff:

During my visit to R & D this summer I promised to send a few people some information on various subjects. I am sorry for the long delay in getting around to this but it is better late than never.

DB

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File 46C

Dr. Backhurst requested any references or papers that we might know of pertaining to Liggett & Myers confuge or other information on particle size. While I was under the impression there had been a formal paper published on the confuge, I was apparently wrong. The only information we have on it is in our notes taken during the presentation of a paper on this subject by C. H. Keith at the Southeastern Regional Meeting of the American Chemical Society held in 1957. I am enclosing a copy of these notes which incidentally also contains a few remarks made by Dr. Hobbs on particle size and chemical make-up.

Also enclosed is an abstract of a paper by Warner, Wells and Hobbs presented at the T.C.R.C. in 1952. It will be noted that the conclusions drawn in this paper with regard to chemical composition and particle size differ from the remarks made by Hobbs at the A.C.S. meeting in 1957.

Another paper is the "Concentration and Particle Size of Cigarette Smoke Particles" by Langer and Fisher. Unfortunately, the reproduction of this paper is not too good since we were attempting to copy a copy. However, the reference to the journal in which it appeared is given at the top and you may be able to obtain the original journal.

We have this
in library
(B/Z Ref)
N. 15

Dr. Ian Ayres requested a copy of the blueprint of the helical glass traps which we used for the collection of smoke for benzpyrene analyses as well as some other information on the photofluorometric determination of filtration efficiency developed by Tennessee Eastman. This information is given in an attachment prepared by John de Souza.

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Dr. D. G. Felton,

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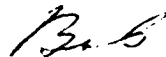
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You were asking about General Cigar's method for the determination of calcium in tobacco and whether or not this method represented merely an improvement in rapidity or an actual change in precision. I have looked up our notes taken during the presentation of this paper at the T.C.R.C. in 1959 and am enclosing a copy of these notes. It would certainly appear that their method does give an improvement in precision over that of the AOAC method. We have not as yet looked into the General Cigar method.

I was glad to hear that you will be visiting us shortly and will look forward to seeing you again. I wonder if you could bring with you the latest information on automatic cigarette weighers which also have sorting attachments. You will remember that I was quite interested in such equipment in June and I believe you expected to have the new I. T. Co. selecting balance to try out sometime during the summer. Any new information which you have received since June on other auto-weighers or on the profile tester would be appreciated.

With kindest regards,

Yours sincerely,



R. S. Wade - MANAGER
RESEARCH & TECHNICAL
SERVICE LABORATORIES

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