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Reference

DGF/AIW/2.1.1

17th October, 1977

- Dr. I. W. Hughes (2) - Louisville
- Mr. R. M. Gibb - Montreal
- Mr. R. S. Wade (2) - Montreal
- Dr. F. Seehofer (2) - Hamburg
- Mr. R. G. Nicholls - Sydney
- Dr. F. Haslam - Millbank
- Dr. C. I. Ayres - Southampton

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Dear *Jci*

Report B43

Tumour Promoting Activity of Cigarette Smoke Condensate

Enclosed is a copy of a report by Wickham Research Laboratories Ltd. giving details of the promotion study of condensates from cigarettes B32/1-B32/6. The samples, apart from the control, were manufactured wholly from PRT produced from various ratios of stem and B & W waste tobaccos. Details of the experimental samples are given in the attached table. The proposal for this experiment was given in BR document 265/10, but it should be noted that the control was manufactured from WTS (not CRS) and the ratio employed for the PRT in B32/2 was 25% stem/75% waste and not 20%/80% as originally planned.

Detailed statistical analysis of the results has still to be undertaken, but the main effects observed are consistent with the preliminary analysis of the provisional data.

The results show that the activity of condensate from PRT are reduced by the incorporation of high stem levels, although the results for 60% stem sheet are anomalous. Comparison of the results from the control (WTS) with those of PRT made entirely from stem shows that the PRT process reduces promoting activity.

The relation between mean maximum tumour size and the level of stem in the PRT is interesting, but it must be pointed out that no account has been taken of the effects of mortality or other possibly co-related factors.

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EXPERIMENT B32: COMPOSITION OF SAMPLES

CODE NO.	STEM %	B. & W. WASTE %
<u>Control</u>		
B32/1	100% WTS	-
<u>PRT Samples</u>		
B32/2	25	75
B32/3	40	60
B32/4	60	40
B32/5	80	20
B32/6	100	-

With kind regards,

Yours sincerely,



D. G. FELTON

Enc.

cc: Dr. S. J. Green

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