

DGT/SL/5.1.1

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PO Box 6500,
Montreal, Q.,
Canada.

11th January, 1961

Visit of Dr. J.C. Hogg

Dear Leo,

Jim Hogg has now completed the R-AT sponsored part of his visit to the UK, and I thought you might like a short note about it. He has promised to send us a short paper giving his own impressions of the work he was shown and when this is received I will send you a copy.

The visit was very successful, I think, and Hogg has a reasonably comprehensive view of the industry's problems and the ways they are being tackled.

Harrogate

Hogg seemed to be impressed by Armitage and the work of the Pharmacology Department and by the new recruits who will be studying the physical properties of mucus as a model for the routes whereby smoke constituents reach lung tissue. He was not so impressed by the efforts of the Respiratory Department, a view which some of us here share.

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He seemed particularly interested in methods for determining particle size distribution and in the work on human respiratory parameters. He may be able to offer useful advice on the latter aspect in terms of instrumentation and in people to contact. We had earlier discussed with him the somewhat paradoxical situation that nicotine would seem to be absorbed in the alveoli, yet smoke seems to be deposited, or at any rate to exert its undesirable effects, at the bronchial bifurcation. Hogg drew attention to a second paradox, namely that smoke particle size is probably around the minimum deposition range, yet is retained to the level of 90%, again pointing to the need to study the coagulation, coalescence and particle growth rates of smoke on inhalation.

Humanisation

Here we could only cover the work of the Pathology Department with its automated microscopical measurements (Quantimet, Cytoscan,

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etc.), the Respiratory Department and the Monkey Smoking programme. He was greatly astonished at the number of sections processed each month at HRC (30,000) and at the available instrumentation. He seemed to have some reservations on certain of their proposals for the application of the techniques to the study of emphysema and, in respect of the Monkey Smoking, he made a number of suggestions for possible improvements and extensions in the measurements made routinely of the monkeys' respiratory performance.

The success of this particular visit can be gauged from the fact that Richard Simms of HRC has arranged to see Jim Hogg again in London this week to get his considered reaction to the visit.

General

I took advantage of our travelling together to impress on Hogg that I felt sure the Canadian Industry would look sympathetically on any proposals he might make for research support in which the study of the effects of smoke on the respiratory system was an integral feature. I think we have helped to establish a rapport with him on which you should be able to build successfully.

There were two minor difficulties; Hogg's arrival was delayed by fog, which led to a diversion to Prestwick and delayed his arrival by about 18 hours, and, on leaving his hotel today, the cashiers initially did not agree to his signing the bill for B&AT's account. A short phone call from Hogg to me enabled me to get that one straightened out. Despite all the foresight, these difficulties do arise!

With best wishes,

Yours sincerely,



D.G. FELTON

cc: Dr. S.J. Green
Sir Charles Hill-

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