



TO DR. S.J. GREEN,
RESEARCH & DEVELOPMENT,
MILLBANK.

FROM DR. C.I. AYRES.

REF CIA/JP/46C.

DATE 9th October, 1972.

REPORT NO. RD.939-R

"The Mass Spectrometric Analysis of Steam-Volatile
Nitrosamines in Cigarette Smoke"

Our report on the analysis of steam-volatile nitrosamines in smoke is ready for distribution.

Several of the samples examined were obtained from Dr. T.C. Tso, and we have confirmed that tobacco grown in high field nitrogen yields a smoke which contains high levels of nitrosamines. We will obtain further information in this area from an examination of our own high field nitrogen samples from Canada and India.

With the exception of the Gauloise-type product, the commercial cigarettes we have examined gave low deliveries of nitrosamines. Our research programme is moving on to cover the less volatile nitrosamines, e.g. nitrosonornicotine.

We are preparing an A-version of this report which will be suitable to send to Dr. Tso and T.R.C.

Encs. 4 Copies of Report.

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