

Riehl last
~~AKA~~
~~DATA~~
~~ERS~~
~~1-14~~
~~1-15~~

Product Department

TRIP REPORT

March 16, 1982

VISIT TO HAARMAN & REIMER (H&R), HOLZMINDEN, WEST GERMANY

Tilford Riehl and I visited the headquarters of H&R in Holzminden, West Germany on February 18, 1982. Our brief visit consisted of discussions about their tobacco flavor program and a short tour of their R&D facility.

Tobacco Flavor Program

The first topic discussed concerned their new "processed tobacco flavor," 60.600. This flavor, we learned, consists of reaction products combined with tobacco-derived materials. The tobacco materials are obtained by a proprietary process involving extraction, followed by vacuum distillation. 60.600 is their first product using this method. It is predominantly Oriental in character. Other tobacco types are to follow, such as 60.700 a burley type and 60.800 a flue-cured type. Additionally, a filter flavor is also being developed, 60.900. Like the 60.600 flavor, the new versions may also have some free solids which they state can be filtered without flavor loss.

To demonstrate the effect on smoke quality, they had injected 300 ppm of a 3% solution of 60.600 on BARCLAY KS. The result was a definite smoothing effect which seemed to wetten-up the smoke and also give a cleaner aftertaste.

By previous request, they presented us with two cavendish-type flavors. Each had been injected into our blank cigarette, 316010. Both flavors gave some cavendish-type character. These flavors will be sent to us for further investigation.

H&R, being one of the largest manufacturers of synthetic menthol, has developed a spray dried menthol product which they say provides less menthol loss on application. The spray dried carrier is a matrix of gum and starch. Cigarettes had been prepared for us using the spray dried menthol. While it gave a slightly above threshold level of menthol taste, it surprisingly had no off taste from the carrier. This product is also being forwarded to us.

Much of the tobacco flavor work is carried out by one chemist, Gerhard Scheideler, and two technicians.

510003730

R&D Tour

The first place visited was the tobacco research and application lab. It was impeccably clean, modern, and well-equipped with, for example, a GC, a Hauni Baby Cigarette Maker, an Indian cigarette maker similar to our Bugler maker, and unique spray atomizers for flavor application.

Their panel room was nice, with noticeable versatility in its design. Individual sampling booths were equipped for testing hot and/or cold samples with different lighting possibilities for each booth. Since cigarettes are also tested in this room, the air is exchanged every fifteen minutes so that panel testing cigarettes and food do not interfere.

In another building, we toured their basic research labs which again were very clean and well-equipped.

As a result of our visit to H&R, we now have a better understanding of how they approach and develop flavors for our industry.

D.V.C.

D. V. Cantrell

DVC/trpt/0310

vr/316

cc: Mr. M. L. Reynolds

Dr. J. G. Esterle

Mr. T. F. Richl

510003731