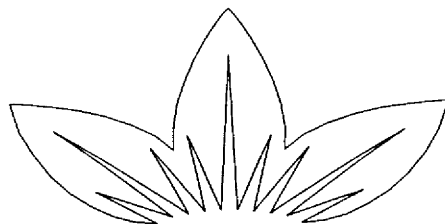


Project STEP



BROWN & WILLIAMSON
TOBACCO

Dr. Aaron Williams

Project STEP

STEP - Smoked Tobacco Extraction Of Pyrolysis Products

Tobacco $\xrightarrow{\text{Heat}}$ Tar $\xrightarrow[\text{Fractionation}]{\text{Extraction}}$ "Refined Tar"

Objective:

To Generate A "Refined Tar" With The
Lowest Level Possible Of "Hoffmann
Analytes" Consistent
With The Highest Level Of
Cigarette Smoking Character.



Project STEP

➤ *Benefits*

- Supporting Technology For Alternative Products (e.g. CARDS, TRUMP, SCROLL)
 - ⇒ Reduced “Hoffmann Analytes”
 - ⇒ Absence Of Gas Phase Compounds When Heated



➤ *Issues*

- Taste
- Aging Of “Refined Tar”
- Scale-Up

➤ *Next Step*

Complete Study Of “Refined Tar” Chemistry
And Evaluation Of Potential Benefits.
(Q4 '99)

Project STEP

➤ *Time Frame*

<u>Milestone</u>	<u>Date</u>
➤ Optimal Design For Production Of "Refined Tar"	4/99
➤ Fractionation / Extraction Conditions	6/99
➤ Aging Studies	7/99
➤ Sensory Studies	8/99
➤ Macro Scale Design	9/99
➤ Complete Report	11/99

