The 30th Tobacco Chemists' Research Conference

General Chairman
Beryl C. Nichols

Symposium
Leaf Composition and Physical Properties
in Relation to Smoking Quality and Aroma

Symposium Chairman
Murray Senkus

Program Editorial Committee
Alan Rodgman, Chairman
Gerald P. Morie
Earl A. Wernsman
# CONTENTS

List of Contributors .............................................. ii

Preface ............................................................. iii

Introduction to Symposium
  Murray Senkus, R. J. Reynolds Tobacco Company ...................... v

Nitrogen Components of Leaf and Their
  Relationship to Smoking Quality and Aroma
  J. C. Leffingwell, Aromatics International ................................ 1

Terpenoid Components of Leaf and Their
  Relationship to Smoking Quality and Aroma
  C. R. Enzell, Swedish Tobacco Company .................................. 32

Phenolics and Acids in Leaf and Their
  Relationship to Smoking Quality and Aroma
  A. G. Kallianos, Liggett and Myers Tobacco Company ...................... 61

Waxes and Lipids in Leaf and Their
  Relationship to Smoking Quality and Aroma
  D. L. Davis, University of Kentucky ................................... 80

Physical Properties of Leaf as Indicators
  of Chemical and Smoking Properties
  J. D. Rogers and A. R. Mitchem,
  Liggett and Myers Tobacco Company .................................... 112

Summary of Symposium
  Murray Senkus, R. J. Reynolds Tobacco Company ..................... 127

Author Index ................................................................ 132