

Contents

Foreword	1
History	3
The Laboratory	6
Experimental facilities	9
A. The High Speed Laboratory	9
B. Wind tunnel for atmospheric boundary layer simulation	15
C. Blowdown facility for investigating impinging jets	17
Several results obtained in the Aerodynamics Laboratory	19
a) Transonic and supersonic cascades	19
b) Relatively narrow channels	22
c) Transonic instability and unsteady flows	23
d) Blunt trailing edges and valves	23
e) Synthetic jets	25
f) Environmental fluid dynamics	26
Closing the presentation	29
References	30