CONTENTS

PART 1. PHYSICAL MEASUREMENTS IN GAS DYNAMICS

EDITOR: R. LADENBURG

A. DENSITY MEASUREMENTS

G. CONDENSATION STUDY BY ABSORPTION OR SCATTERING OF LIGHT

Eva M. Winkler, Aeroballistic Division, Naval Ordnance Laboratory, Silver Spring, Maryland

H. ANALOGUE METHODS

Ascher H. Shapiro, Department of Mechanical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts

K. MEASUREMENT OF BURNING VELOCITY

Ernest F. Fiock, National Bureau of Standards, Washington, D.C.

L. MASS SPECTROSCOPY

John A. Hipple, Atomic Physics Section, National Bureau of Standards, Washington, D.C.

M. SPECTROSCOPY OF COMBUSTION

G. H. Dieke, The Johns Hopkins University, Baltimore, Maryland

N. ANALYSIS OF THE COMBUSTION WAVE BY PRESSURE EFFECTS AND SPECTROSCOPY

Nigel Thomas, Princeton University, Princeton, New Jersey