



## TABLE OF CONTENTS

Introduction . . . . .	1
Program of the Workshop . . . . .	3
Participants . . . . .	5
Abstracts of Papers	
A. V. Phelps, "Applications of Molecular Dissociation Physics to Lasers and Discharge Chemistry" . . . . .	9
R. S. Freund, "Molecular Structure from Dissociative Experiments" . . . . .	15
R. S. Berry, "Dynamics of Dissociative Excitation". . . . .	21
M. Krauss, "Energy Curves for Dissociative Excitation". . . . .	29
G. H. Dunn, "Measuring and Observing: An Overview" . . . . .	37
K. H. Welge, "Metastable Detection" . . . . .	45
G. M. Lawrence, "Ground State Detectors" . . . . .	59
R. N. Zare, "Angular Distribution of Dissociation Fragments" . . . . .	67
D. L. Judge, "The Measurement of Photodissociation Cross Sections: Some Recent Experimental Results" . . . . .	73
Appendices . . . . .	77
A. Comments on the Workshop	
B. Lee J. Kieffer, "Line and Band Emission Cross Section Data for Low Energy Electron Impact"	
C. Michael J. Mumma, "The Molecular Branching Ratio Method for Calibration of Optical Systems in the Vacuum Ultraviolet"	