

CONTENTS

Glass for Vacuum and Ultrahigh Vacuum	9
Dr. Paul A. Redhead	
Construction of Miniature, Low-Level Proportional Counters	13
Fred H. Kummer, R. W. Stoenner, and Raymond Davis, Jr.	
Magnetic Glass-Ceramics	21
E. A. Weaver and M. B. Field	
Sixty Years in Retrospect	32
R. Harold Chappell	
Some Aspects of Design and Construction of Flash Tubes	39
B. A. Karkera	
The All-Glass Gravimetric Tiltometer for the Measurement of the Earth's Land-Mass Tidal Phenomenon	46
Edwin E. Eckberg	
Fused Quartz	53
Nathan A. Grafton	
Seam-Sealing of Rectangular and Square Quartz Windows	66
Wolfgang R. Eberhart	
Professionalism in the World Around Us — An Overview	70
Henry L. Christie	
The Canadian Scene	84
Talitha Anne Hostetter	
Glass Flowmeters	89
Horace F. Richter and Oscar H. Grauer	
Environmental Control of Mercury in Research and Development Glass Shop Operations	100
L. J. Favreau and J. M. Reynolds	
The Glass Orifice — A Wide Range Flow Control Device	111
John Rothfels	
Glass Paperweights	129
Don Lillie	
Glass Atomizer — “New Twist for Thin-Layer Chromatography Spraying”	136
George H. Hill	
New Cryostat Design for Raman Studies of Crystals	140
J. E. Legge, S. A. Boggs and R. S. Timsit	
More Famous Names in Glass	149
J. Lees	
Questions and Answers	157
Attendees	169