CONTENTS

THE USE OF PLASMA FOR PROPULSION OF INTERPLANETARY ROCKETS Conrad L. Longmire	3
The Electromagnetic Acceleration of a Continuously Flowing Plasma B. Podolsky and G. Borman	12
Scaling Relations for Plasma Devices G. Sargent Janes	30
Plasma Propulsion by Means of a Traveling Sinusoidal Magnetic Field Rudolf X. Meyer	37
Acceleration of Metal-Derived Plasmas W. L. Starr and J. T. Naff	47
Hydromagnetic Plasma Gun John Marshall	60
Propulsion from Pinch Collapse S. Gartenhaus and L. M. Tannenwald	73
Efficiency Considerations in Electrical Propulsion Sidney W. Kash	79
The High-Energy Electrostatic Gun Raymond Fox	94