

Contents

<i>Preface</i>	v
<i>Growth of the lava dome at Mount St. Helens, Washington, (USA), 1981–1983</i>	1
D. A. Swanson, D. Dzurisin, R. T. Holcomb, E. Y. Iwatsubo, W. W. Chadwick, Jr., T. J. Casadevall, J. W. Ewert, and C. C. Heliker	
<i>Volcanic activity at Santiaguito volcano, 1976–1984</i>	17
William I. Rose	
<i>Eruptive histories of Lipari and Vulcano, Italy, during the past 22,000 years</i>	29
Michael F. Sheridan, G. Frazzetta, and L. La Volpe	
<i>Holocene rhyodacite eruptions on the flanks of South Sister volcano, Oregon</i>	35
William E. Scott	
<i>Tephra deposits associated with silicic domes and lava flows</i>	55
Grant Heiken and Kenneth Wohletz	
<i>Origin of pumiceous and glassy textures in rhyolite flows and domes</i>	77
Jonathan H. Fink and Curtis R. Manley	
<i>Textural heterogeneities and vent area structures in the 600-year-old lavas of the Inyo volcanic chain, eastern California</i>	89
Daniel E. Sampson	
<i>Types of mineralization related to fluorine-rich silicic lava flows and domes</i>	103
Donald M. Burt and Michael F. Sheridan	
<i>An extensive, hot, vapor-charged rhyodacite flow, Baja California, Mexico</i>	111
Brian P. Hausback	
<i>Physical features of rhyolite lava flows in the Snake River Plain volcanic province, southwestern Idaho</i>	119
Bill Bonnichsen and Daniel F. Kauffman	