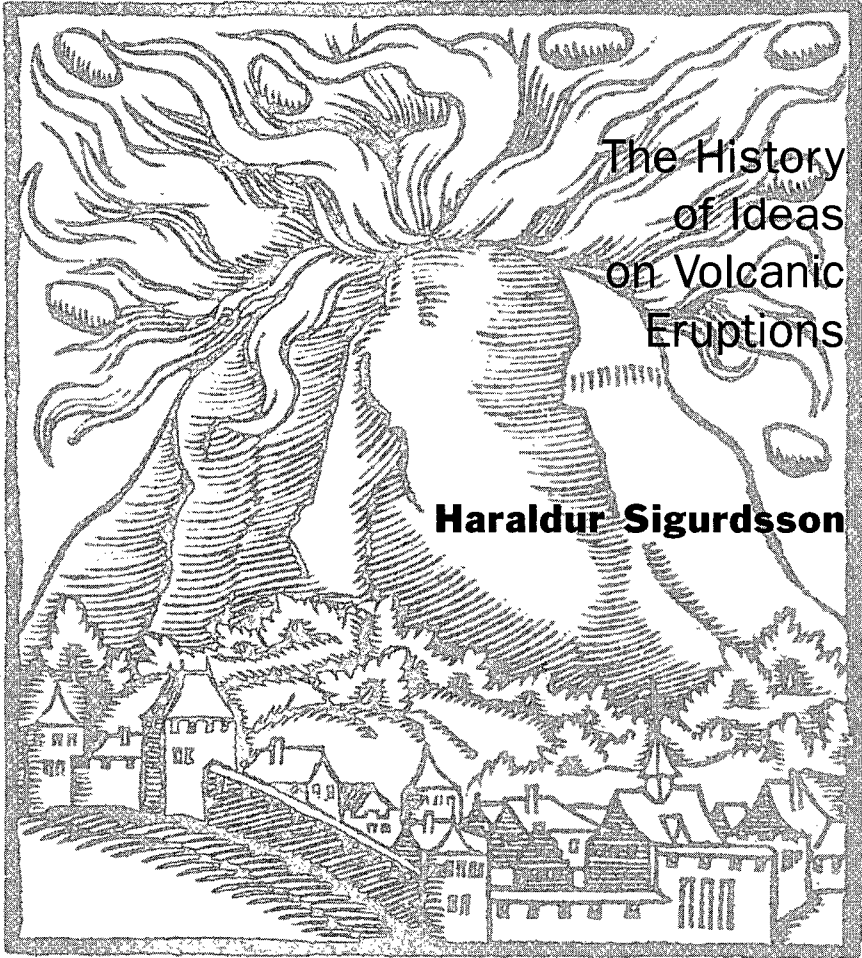


Melting the Earth



The History
of Ideas
on Volcanic
Eruptions

Haraldur Sigurdsson

New York Oxford
Oxford University Press
1999

Contents

	Preface, vii
1	The Heat Below, 1
2	From the Stone Age to Volcano Myths, 11
3	The Bronze Age Eruption of Thera and Lost Atlantis, 21
4	Subterranean Wind and Internal Combustion, 34
5	The Plinian Eruption of Vesuvius in A.D. 79, 51
6	The Chimneys of Hell, 71
7	Renaissance and Earth Science, 84
8	Burning Mountains and Cooling Stars, 102
9	Columnar Basalt and the Neptunists, 112
10	The First Field Volcanologists, 125
11	Baron Münchhausen in the Volcano, 140
12	Chemical Reactions as the Source of Heat in the Earth, 156
13	From Fluid to Solid Earth, 172
14	Melting by Decrease in Pressure, 188
15	Radioactive Heat and Convection, 203
16	The Source of Magmas, 213
	Notes, 230
	Glossary of Volcanic Terms, 247
	Index, 251