

Contents

Preface (<i>Howard J. Pincus</i>)	v
Rapid excavation and the role of engineering geology (<i>Leonard A. Obert</i>)	1
The engineering geologist's role in hard rock tunnel machine selection (<i>Dennis Lachel</i>)	5
Some geological structural influences in quarrying limestone and dolomite (<i>Joseph M. Pugliese</i>)	11
Geologic factors in rapid excavation with nuclear explosives (<i>Richard Hamburger</i>)	17
Theory of spacing of extension fracture (<i>George M. Sowers</i>)	27
Experimental investigation of sliding friction in multilithologic specimens (<i>John Logan,</i> <i>Takeshi Iwasaki, M. Friedman, and Stanley A. Kling</i>)	55
Total systems approach to rapid excavation and its geological requirements (<i>Carl H. Roach</i>)	69
Summary of comments by panel discussants (<i>George E. Heim, James R. Swaisgood,</i> <i>and Vinton Bacon</i>)	79
Index	81