

CONTENTS

FOREWORD	
Some Personal Reminiscences of Donald Coxeter by Douglas R. Hofstadter	xI
PART I—Pure Coxeter	I
CHAPTER 0	
Introducing Donald Coxeter	3
CHAPTER 1	
Mr. Polytope Goes to Budapest	17
CHAPTER 2	
Young Donald in Wonderland	37
CHAPTER 3	
Aunt Alice, and the Cambridge Cloister	59
CHAPTER 4	
Coming of Age at Princeton with the Gods of Symmetry	81
CHAPTER 5	
Love, Loss, and Ludwig Wittgenstein	105
CHAPTER 6	
“Death to Triangles!”	117
CHAPTER 7	
Tangents on Politics and Family Values	139
CHAPTER 8	
Bourbaki Prints a Diagram	150

PART II—Coxeter Applied	171
CHAPTER 9	
Bucky Fuller, and Bridging the “Geometry Gap”	173
CHAPTER 10	
C_{60} , Immunoglobulin, Zeolites, and Coxeter@Coxeter.Math.Toronto.Edu	194
CHAPTER 11	
“Coxetering” with M. C. Escher (And Praising Other Artists)	211
CHAPTER 12	
The Coxeterian Shapes of the Cosmos	230
PART III—Aftermath	247
CHAPTER 13	
Full Circle Symmetry	249
APPENDICES 1–8	259
ENDNOTES	289
BIBLIOGRAPHY	363
EPIGRAPH AND ART CREDITS	377
ACKNOWLEDGMENTS	381
INDEX	385

