

# Contents

Preface to 1978 reprint	viii		
Preface	ix	Commentary on the stellation of the Archimedean solids	66
Foreword	xi	Stellations of the cuboctahedron (43–46)	68
Introduction: uniform polyhedra	1	Commentary on the icosidodecahedron	73
Mathematical classification	4	Stellations of the icosidodecahedron (47–66)	76
 <i>Section I The Convex Uniform Polyhedra: The Platonic and Archimedean Solids</i>		 <i>Section III Non-convex Uniform Polyhedra</i>	
General instructions for making models	12	Commentary	98
The Platonic solids (1–5)	14	General instructions for making models of non-convex polyhedra	100
The Archimedean solids (6–18)	20	Non-convex polyhedra (67–109)	101
 <i>Section II Some Stellations and Compounds</i>		Commentary on non-convex snub poly- hedra	171
Commentary on stellations and com- pounds of the Platonic solids	34	Non-convex snub polyhedra (110–119)	172
The stellated octahedron (19)	37	A final comment	204
Stellations of the dodecahedron (20–22)	38	Epilogue	204
Commentary on the stellated icosahedron	41	References	206
Stellations of the icosahedron (23–42)	43	List of models	207