

Contents

Introduction	vii
1 The uses and preparation of crystals	1
2 The external appearance of crystals	23
3 The evaluation of internal structure by X-ray diffraction studies	48
4 Ions and ionic crystals	80
5 Crystals with some covalent character	105
6 The metallic state, alloys, piezo-electric effect, field-ion microscope, masers and lasers	135
7 Some organic and biological molecules	169