## CONTENTS

CHAPTER	TITLE	PAGE
	PART I - GENERAL	V
ī	General Introduction	1
II	Growth of Crystals from the Vapour Phase	9
III	A Brief Discussion of Etch Pits and Dislocations	65
IV	Experimental Techniques	95
	PART II - STUDIES ON TELLURIUM CRYSTALS	
v	Growth and Morphology of Vapour grown Crystals of Tellurium	102
VI	Thermal Etching of (1010) Faces of Tellurium	127
VII	Chemical Etching of Dome Faces of Tellurium Crystals	143
VIII	Microhardness Studies on the (1010) Prism Faces of Tellurium	159
,	APPENDIX	
	Growth and Growth Features of Zn-Sb Single Crystals with small concentrations of Sb	175
	General Conclusions	187
	Acknowledgements	