

## CONTENTS

<u>Chapter</u>			<u>Page</u>
	SUMMARY	...	...
1	INTRODUCTION	...	1
2	SURVEY OF THE RELATED OPTICAL STUDIES IN POTASSIUM CHLORIDE		
	1. Coloration of Solids	...	8
	2. Luminescence of Potassium Chloride Phosphors	...	23
	3. Optical Absorption of KCl:Tl		29
3.	EXPERIMENTAL TECHNIQUES		
	1. Sample Preparation	...	32
	2. Optical Absorption	...	35
	3. Instrumentation for Thermolumine- scence	...	39
	4. Thermoluminescence above room temperature	...	41
	5. Thermoluminescence below room temperature	...	44
	6. Optical Bleaching	...	45
4.	RESULTS AND DISCUSSION	...	47
	REFERENCES		
	ACKNOWLEDGEMENTS.		