

Contents

1	Introduction	1
2	Early gyrotron research at Fukui and Sydney	3
	2.1 Fukui University	
	2.2 University of Sydney	
3	Gyrotron research during the collaboration	9
	3.1 Gyrotron development	
	3.1.1 Fukui University	
	3.1.2 University of Sydney	
	3.2 Preparing for gyrotron applications	
	3.2.1 Creating a useful beam	
	3.2.1.1 Fukui University	
	3.2.1.2 University of Sydney	
	3.2.2 Modulating	
	3.3 Plasma diagnostics using a gyrotron	
	3.3.1 Fukui University	
	3.3.2 University of Sydney	
	3.4 Other topics	
4	Looking to the future	15
	Acknowledgements	16
Appendix 1	Complete list of publications, including conferences, etc., 1988 and after	17
Appendix 2	Reprints of journal articles, 1988 and after	39