## TABLE OF CONTENTS

			Page
INTRODUCTION		1	
CHAPTER	I:	THE COMPACT CONTRIBUTION TO THE TRACE	8
	1.	Discrete subgroups acting on $H^{\Pi}$	8
	2.	A pre-trace formula	13
	3.	Contribution of the identity	17
	4.	Contribution of the elliptic elements	17
	5.	Centralizers of mixed elements	19
	6.	Contribution of the mixed elements	26
	7.	Equivalence classes of quadratic forms	31
CHAPTER	II:	EISENSTEIN SERIES AND THE CONTINUOUS SPECTRUM	38
	1.	The cusp and its Eisenstein series	38
	2.	Fourier expansions	44
	3.	Coordinates at the cusp	51
	4.	The behavior of K at the cusp	54
	5.	Meromorphic continuation and functional equations	58
	6.	Exceptional poles, volume computation	63
	7.	Maass-Selberg relations	66
	8.	Plancherel formula and invariant subspaces	70
	9.	The kernel H	74
CHAPTER	III:	THE TRACE AT THE CUSP	84
	1.	The trace of H	84
	2.	Contribution of the parabolic elements	86
	3.	Contribution of the hyperbolic-parabolic elements	91
	4.	The general case of several cusps	100
	5.	The final trace formula	105
REFERENCES			110

110