

TABLE OF CONTENTS

PART I

J. BROWKIN:	Elements of small order in K_2F	1
R. K. DENNIS and K. IGUSA:	Hochschild homology and the second obstruction for pseudoisotopy	7
A. W. M. DRESS and A. O. KUKU:	A convenient setting for equivariant higher algebraic K-theory	59
D. R. GRAYSON (after DANIEL QUILLEN):	Finite generation of K-groups of a curve over a finite field	69
H. HILLER:	Affine Lie algebras and algebraic K-theory	91
J. HUEBSCHMANN:	Stem extensions of the infinite general linear group and large Steinberg groups	108
J. HURRELBRINK:	$K_2(o)$ for two totally real fields of degree three and four	112
C. KASSEL:	Le groupe $K_3(Z[\epsilon])$ n'a pas de p-torsion pour $p \neq 2$ et 3	115
M. E. KEATING:	Whitehead groups of dihedral 2-groups	122
M. KOLSTER:	On injective stability for K_2	128
H. LINDEL:	On projective modules over polynomial rings over regular rings	169
F. ORECCHIA:	The conductor of some one-dimensional rings and the computation of their K-theory groups	180
U. REHMANN:	A survey of the congruence subgroup problem	197
C. SHERMAN:	Group representations and algebraic K-theory	208
J. R. SILVESTER:	On the GL_n of a semi-local ring	244
V. SNAITH:	Asymptotic phenomena in the K-theory of group rings	261
C. SOULÉ:	Operations on étale K-theory. Applications.	271
A. A. SUSLIN:	Stability in algebraic K-theory	304
A. A. SUSLIN:	Mennicke symbols and their applications in the K-theory of fields	334
W. VAN DER KALLEN:	$SL_3(\mathbb{C}[X])$ does not have bounded word length	357

J. B. WAGONER:	
A picture description of the boundary map in algebraic K-theory	362
C. A. WEIBEL:	
Mayer-Vietoris sequences and mod p K-theory	390

For the convenience of the reader we list here also the contents of Part II of these proceedings, which appear in Lecture Notes in Mathematics vol. 967.

PART II

A. BAK:	
Subgroups of the general linear group normalized by relative elementary groups	1
Z. FIEDOROWICZ, H. HAUSCHILD, and J. P. MAY:	
Equivariant algebraic K-theory	23
D. GUIN:	
Sur le groupe K_3 d'un anneau	81
I. HAMBLETON:	
Projective surgery obstructions on closed manifolds	101
W. C. HSIANG and B. JAHREN:	
A note on the homotopy groups of the diffeomorphism groups of spherical space forms	132
K. IGUSA:	
On the algebraic K-theory of A_∞ -ring spaces	146
P. KAHN:	
Steenrod's problem and k-invariants of certain classifying spaces	195
K. KATO:	
Galois cohomology of complete discrete valuation fields	215
M. KOLSTER:	
Even dimensional projective surgery groups of finite groups	239
A. MATCHETT:	
Exact sequences for locally free class groups	280
M. OJANGUREN:	
Unités représentées par des formes quadratiques ou par des normes réduites.	291
W. PARDON:	
A "Gersten Conjecture" for Witt groups	300
U. STUHLER:	
On the cohomology of SL_n over rings of algebraic functions	316
M. J. TAYLOR:	
A logarithmic description of determinants in group rings	360
S. V. ULLOM:	
Character action on the class group of Fröhlich	371
P. VOGEL:	
Localisation non commutative de formes quadratiques	376
F. WALDHAUSEN:	
Operations in the algebraic K-theory of spaces	390