

CONTENTS

Foreword	5
Addresses of the Speakers	9
P. HILTON. Some contributions of Beno Eckmann to the development of topology and related fields.	11
J. F. ADAMS. Maps between classifying spaces	29
M. ANDRÉ. La $(2p + 1)$ -ième déviation d'un anneau local	37
A. BANYAGA. The group of diffeomorphisms preserving a regular contact form	47
R. BIERI. On groups of cohomology dimension 2.	55
R. BOTT. On the characteristic classes of groups of diffeomorphisms	63
A. DOLD. A coincidence-fixed-point index	75
P. GRIFFITHS and J. HARRIS. On Cayley's explicit solution to Poncelet's porism	89
A. HAEFLIGER. On the Gelfand-Fuks cohomology	99
J. HARRIS, see P. GRIFFITHS.	
J.-Cl. HAUSMANN and P. VOGEL. Reduction of structures on mani- folds by semi- s -cobordism	117
J.-Cl. HAUSMANN et M. KERVAIRE. Sous-groupes dérivés des groupes de nœuds	125
F. HIRZEBRUCH. Überlagerungen der projektiven Ebene und Hil- bertsche Modulflächen	139
M. HUBER and W. MEIER. Cohomology and the derived functors of the inverse limit	155
I. M. JAMES. Alternative homotopy theories	161
M. KERVAIRE, see J.-Cl. HAUSMANN.	
M.-A. KNUS. Modules quadratiques sur un anneau de polynômes	179

H.-P. KRAFT. Bahnenräume bei linearen Darstellungen reductiver Gruppen	187
S. MACLANE. Origins of the cohomology of groups	191
W. MEIER. <i>K</i> -theory and localization	221
W. MEIER, see M. HUBER.	
J. MILNOR and W. THURSTON. Characteristic numbers of 3-manifolds	227
G. MISLIN. Finitely dominated complexes with metacyclic fundamental groups	233
D. G. QUILLEN. On p -tori in discrete groups ¹⁾ .	
U. STAMMBACH. Cohomological characterisations of finite solvable and nilpotent groups	237
R. STREBEL. On finitely related soluble groups	243
S. SUTER und D. ZAGIER. Dilatationen von abelschen Gruppen . .	251
W. THURSTON, see J. MILNOR.	
P. VOGEL, see J.-Cl. HAUSMANN.	
U. WÜRGLER. On the relation of Morava <i>K</i> -theories to Brown-Peterson homology	269
D. ZAGIER, see S. SUTER.	

¹⁾ The text of this talk was not received, and is therefore not included in the volume.