

CONTENTS

Foreword	2
Historical Survey by H.J.A. Duparc and A.W. Grootendorst	v
1. L.E.J. Brouwer on triangulation	3
Commentary by N.H. Kuiper	14
2. J.G. van der Corput on exponential sums and lattice points	19
Commentary by J. Korevaar	35
3. H.J.E. Beth on stabilization of instable equi- librium by means of gyroscopic forces	41
Commentary by O. Bottema	55
4. H.D. Kloosterman on Kloosterman sums	63
Commentary by F. van der Blij	75
5. Balth. van der Pol on heartstirring heartbeats	83
Commentary by A.H.P. van der Burgh	100
6. B.L. van der Waerden on arithmetic progressions in sets of integers	109
Commentary by N.G. de Bruijn	116
7. J.A. Schouten and D. van Dantzig on Ricci- calculus and Kähler varieties	125
Commentary by W.T. van Est and F. Oort	142
8. A. Heyting on the formalization of intuitionistic mathematics	153
Commentary by A.S. Troelstra	163
9. E.J. Dijksterhuis on Eudoxos' theory of ratio	177
Commentary by H.J.M. Bos	187
10. H. Casimir and B.L. van der Waerden on full reducibility and the Casimir operator	195
Commentary by T.A. Springer	205
11. D. van Dantzig, a pioneer of topological algebra	213
Commentary by B.L. van der Waerden	231

12. E.R. van Kampen on calculating the fundamental group	235
Commentary by H.O. Singh Varma	244
13. W. van der Woude on Noether's fundamental theorem	251
Commentary by J.P. Murre	260
14. Witold Hurewicz and the second chapter in homotopy theory	265
Commentary by W.T. van Est	283
15. Hans Freudenthal on vector lattices	289
Commentary by A.C. Zaanen	302
16. C. Visser and an operator algorithm at work	311
Commentary by M.A. Kaashoek	316
17. Hans Freudenthal on suspension	321
Commentary by P.W.H. Lemmens	336
18. A.F. Monna on Dirichlet operators	341
Commentary by E.M.J. Bertin	351
19. L. Kosten on traffic and queueing (the supplementary variable)	361
Commentary by J.W. Cohen	372