

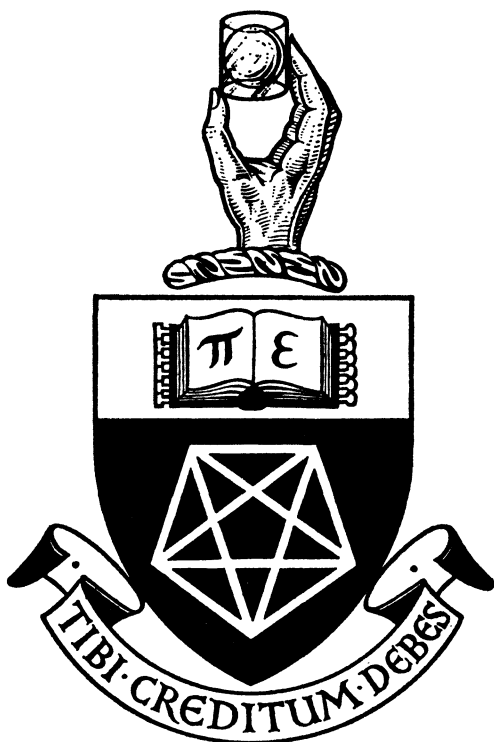
CONTENTS

Integers. Introduction of Directed Numbers. K. S. Snell	105
On Scoring in Games. Donald Watson	110
On Sums of Progressions of Positive Integers. R. L. Goodstein	113
Non-Convex Pentahedra. M. Norgate	115
Maths for Tomorrow's Children. Michael Holt	125
Cards, Modules and Kits. Geoffrey Matthews	131
On the Equations $x^n \pm y^n = z^m$	138
Classroom Notes	140
Mathematical Notes	147
Problem	160
Pseudaria	161
Ring with Zeros	163
Correspondence	164
Reviews	166
Diploma in Mathematics (Technology)	203
Diploma in Mathematics (Teaching)	204

PRINTED IN GREAT BRITAIN BY ROBERT MACLEHOSE AND CO. LTD
THE UNIVERSITY PRESS, GLASGOW

the mathematical gazette

The Journal of the Mathematical Association



Volume LIV: Number 388

May 1970

G. BELL and SONS LTD., Portugal Street, London W.C.2

11s. 6d. net

THE MATHEMATICAL ASSOCIATION

AN ASSOCIATION OF TEACHERS AND STUDENTS
OF ELEMENTARY MATHEMATICS



'I hold every man a debtor to his profession, from the which as men of course do seek to receive countenance and profit, so ought they of duty to endeavour themselves by way of amends to be a help and an ornament thereunto.'

BACON

PRESIDENT

Professor M. J. Lighthill, F.R.S., F.I.M.A.

VICE-PRESIDENTS

Prof. T. A. A. Broadbent	Mr. R. E. Green
Dr. I. W. Busbridge	Lady Jeffreys
Dame Mary Cartwright, D.B.E., F.R.S.	Mr. F. W. Kellaway
Mr. J. T. Combridge	Mr. W. J. Langford
Miss W. A. Cooke	Dr. E. A. Maxwell
Prof. C. A. Coulson, F.R.S.	Mr. J. B. Morgan
Dr. W. L. Ferrar	Prof. M. H. A. Newman, F.R.S.
Prof. V. C. A. Ferraro	Mr. K. S. Snell
	Mrs. E. M. Williams

HONORARY TREASURER

Mr. R. L. Lindsay

HONORARY ASSISTANT TREASURERS

Mr. N. De Q. Dodds, Mr. D. H. Halfpenny

HONORARY SECRETARIES

Miss R. K. Tobias Dr. A. G. Howson

HONORARY ASSISTANT SECRETARIES

Mr. K. A. J. G. Bermingham, Mr. W. A. Dodd, Miss N. L. Squire,
Mr. B. Girling, Miss E. M. Holman, Miss A. Roberts,
Mr. A. J. Sherlock, Miss J. Shewring.

THE TEACHING COMMITTEE

Chairman, Mr. C. A. R. Bailey

Honorary Secretary, Miss N. L. Squire,
3 Stanhope Gate, Ashburton Road, Southsea, Hants.

HONORARY LIBRARIAN

Prof. R. L. Goodstein

EDITORIAL BOARD

Dr. E. A. Maxwell, Editor.

Mr. D. A. Quadling, Dr. J. Howlett, Dr. E. T. Goodwin
Assistant Editors.

Editorial and Advertising correspondence relating to *The Mathematical Gazette* should be addressed as on the inside back cover.