

TABLE OF CONTENTS

INTRODUCTION	iii
LIST OF PARTICIPANTS	iv
CHILD PRODIGIES, Paul Erdős	1
SOME PROBLEMS ON THE PRIME FACTORS OF CONSECUTIVE INTEGERS II, Paul Erdős and J. L. Selfridge	13
ON SUMS OF INTEGERS TAKEN FROM A FIXED SEQUENCE, R. L. Graham ...	22
ON DISTRIBUTION MODULO ONE, William LeVeque	41
A CHARACTERIZATION OF COMPLEMENTING SETS OF PAIRS OF INTEGERS, Ivan Niven	42
PRIMALITY TESTING WITH APPLICATION TO SMALL MACHINES, J. L. Selfridge and Richard K. Guy	45
ON A THEOREM OF SURYANARAYANA, Hugh Edgar	52
PV-NUMBERS AND SETS OF MULTIPLICITY, H. G. Senge and Ernst Straus	55
A BOUQUET OF CONVOLUTIONS, V. E. Hoggatt, Jr. and J. Arkin	68
COMBINATORIAL PROOFS OF SOME IDENTITIES, M. V. Subbarao	80
SOME COMPUTER RESULTS RELATED TO THE GAUSSIAN PRIMES ON THE LINE $\text{Im}(s) = 1$, Marvin Wunderlich	92
FORMULAE FOR THE N^{th} PRIME, J. M. Gandhi	96
Problems, J. M. Gandhi	107
PRIMES REPRESENTED BY TWO BINARY QUADRATIC FORMS, Charles J. Parry	112
A REMARK ON NEWMAN'S CONJECTURE, Václav Chvátal	113
RESEARCHES ON SOME CLASSICAL PROBLEMS, Joseph Arkin	130

COMPLETION OF A TABLE OF O. HEMER, Raphael Finkelstein and Hymie London	148
NON-ARCHIMEDIAN ANALYTIC FUNCTIONS TAKING THE SAME VALUES AT THE SAME POINTS, W. W. Adams and Ernst Straus	160
THE NUMBER OF REPRESENTATIONS OF A BINARY QUADRATIC FORM AS A SUM OF TWO, FOUR, OR EIGHT SQUARES, Gordon Pall	174
UNSOLVED PROBLEMS IN NUMBER THEORY, Richard K. Guy	182
ON CLASSICAL THEOREMS OF HURWITZ AND FORD, L. C. Eggan and E. A. Maier	187
A CLASS OF ELLIPTIC CURVES, Philip A. Leonard	195
ON FINITE AND INFINITE COVERING SETS, James Dewar	201
DISTRIBUTION OF PRIMES IN $Z(\omega)$, G. E. Bergum	207
THE ADDITIVE ANALOGUE OF HILBERT'S THEOREM 90, Donald Maurer	217
SEDLÁČEK'S CONJECTURE ON DISJOINT SOLUTIONS OF $X + Y = Z$, Richard K. Guy	221
TWO COMBINATORIAL PROBLEMS IN GROUP THEORY, R. B. Eggleton and Paul Erdős	224
Unsolved Problems, Paul Erdős, R. Turán, Vern Hoggatt, Jr., J. L. Selfridge, Hugh Edgar, J. M. Gandhi, and Václav Chvátal.	225