## CONTENTS

General Identities for Fibonacci and Lucas Numbers With Polynomial Subscripts in Several Variables. .............. Richard R. Stone 289
Repeated Binomial Coefficients and Fibonacci Numbers. .... David Singmaster 295
A Recursive Method for Counting Integers Not Representable in Certain Expansions. ................. J. L. Brown, Jr. 299
A Note on Weighted Sequences ......................... L. Carlitz and Richard Scoville 303
An Application of Spectral Theory to Fibonacci Numbers .......... C. Ryavec 307
Minimum Solutions to $x^2 - Dy^2 = \pm 1$ ..................... Gregory Wulczyn 309
Distribution of the Zeros of One Class of Polynomials .......... N. Georgieva 312
On the Generalization of the Fibonacci Numbers ................ Andras Recski 315
The General Law of Quadratic Reciprocity ..................... Larry Taylor 318
Non-Hypotenuse Numbers ................................ Daniel Shanks 319
The Fibonacci Ratios $F_{k+1}/F_k$ Modulo $p$ ..................... Lawrence Somer 322
On Alternating Subsets of Integers ........................... S. M. Tanny 325
Structure of the Reduced Residue System with Composite Modulus, Hugo S. Sun 329
On an Interesting Property of the Numbers of 11235955556617977582989 .......... J. L. Hunsucker and Carl Pomerance 331
Distribution of the First Digits of Fibonacci Numbers .......... William Webb 334
Generalizations of Euler's Recurrence Formula for Partitions .......... Henry L. Alder and Amin A. Muwafi 337
On Lucas Numbers which are One More than a Square .......... Raphael Finkelstein 340
Sums of Products of Generalized Fibonacci Numbers ........ George Berzenyi 343
A Primer on the Pell Sequence and Related Sequences .......... Marjorie Bicknell 345
Palindromic Compositions ................................... V. E. Hoggatt, Jr., and Marjorie Bicknell 350
A Note on Topologies on Finite Sets ....................... A. R. Mitchell and R. W. Mitchell 356
The H-Convolution Transform ................................ V. E. Hoggatt, Jr., and Paul S. Bruckman 357
Advanced Problems and Solutions .......................... Edited by Raymond E. Whitney 369
Elementary Problems and Solutions .......................... Edited by A. P. Hillman 373
Volume Index ....................................................... 378

DECEMBER 1975