

# THE FIBONACCI QUARTERLY

THE OFFICIAL JOURNAL OF  
THE FIBONACCI ASSOCIATION



VOLUME 4

NUMBER 4

## CONTENTS

### PART I—ADVANCED

Representations of $N$ as a Sum of Distinct Elements From Special Sequences . . . . .	<i>David A. Klarner</i>	289
On a Generalization of Multinomial Coefficients For Fibonacci Sequences . . . . .	<i>Eugene E. Kohlbecker</i>	307
On the Determination of the Zeros of the Fibonacci Sequence . . . . .	<i>Robert P. Backstrom</i>	313
Some Binomial Coefficient Identities . . . . .	<i>L. Carlitz</i>	323
Advanced Problems and Solutions . . . . .	<i>Edited by Verner E. Hoggatt, Jr.</i>	332

### PART II—ELEMENTARY

Fibonacci on Egyptian Fractions . . . . .	<i>M. Dunton and R. E. Grimm</i>	339
Binomial Sums of Fibonacci Powers . . . . .	<i>John Wessner</i>	355
A Note on a Theorem of Jacobi . . . . .	<i>Joseph Arkin</i>	359
Composition of Recursive Formulae . . . . .	<i>Raymond E. Whitney</i>	363
Note on the Euclidean Algorithm . . . . .	<i>R. L. Duncan</i>	367
More Fibonacci Identities . . . . .	<i>M. N. S. Swamy</i>	369
Elementary Problems and Solutions . . . . .	<i>Edited by A. P. Hillman</i>	373
Volume Index . . . . .		379