

THE FIBONACCI QUARTERLY

THE OFFICIAL JOURNAL OF
THE FIBONACCI ASSOCIATION

VOLUME 5



NUMBER 3

CONTENTS

PART I — ADVANCED

Another Generalized Fibonacci Sequence	<i>Marcellus E. Waddill and Louis Sacks</i>	209
Restricted Compositions	<i>S. G. Mohanty</i>	223
Enumeration of Certain Triangular Arrays.	<i>D. P. Roselle</i>	235
Note on a Combinatorial Identity in the Theory of Bi-Colored Graphs	<i>H. W. Gould</i>	247
Advanced Problems and Solutions	<i>Edited by Raymond E. Whitney</i>	251

PART II — ELEMENTARY

Direct Calculation of k -Generalized Fibonacci Numbers . .	<i>Ivan Flores</i>	259
Equations Whose Roots are the n^{th} Powers of the Roots of a Given Cubic Equation	<i>N. A. Draim and Marjorie Bicknell</i>	267
Amateur Interests in the Fibonacci Series II Calculation of Fibonacci Numbers and Sums from the Binomial	<i>Joseph Mandelson</i>	275
Existence of Arbitrarily Long Sequences of Consecutive Members in Arithmetic Progressions Divisible by Arbitrarily Many Different Primes	<i>Dov Jarden</i>	280
A Property of Linear Recursion Relations	<i>Raymond E. Whitney</i>	281
Simultaneous Prime and Composite Members in Two Arithmetic Progressions	<i>Dov and Moshe Jarden</i>	286
Elementary Problems and Solutions.	<i>Edited by A. P. Hillman</i>	287
Fibonacci Numbers and Some Prime Reciprocals	<i>R. S. Bucknell</i>	294
Residues of Fibonacci-Like Sequences.	<i>Laurence Taylor</i>	298