

QA 255 1-2 1963

THE FIBONACCI QUARTERLY

The Official Journal of
THE FIBONACCI ASSOCIATION

VOLUME 1

NUMBER 1

CONTENTS

Editorial	1
A Generalization of Semi-Completeness for Integer Sequences J. L. Brown, Jr.	3
Expansion of Analytic Functions in Polynomials Associated with Fibonacci Numbers Paul F. Byrd	16
Operational Recurrences Involving Fibonacci Numbers. H. W. Gould	30
Additional Factors of the Fibonacci and Lucas Series Brother U. Alfred	34
On the Form of Primitive Factors of Fibonacci Numbers Brother U. Alfred	43
Advanced Problems and Solutions Verner E. Hoggatt, Jr.	46
Beginners' Corner Dmitri Thoro	49
The Fibonacci Sequence As It Appears in Nature S. L. Basin	53
Exploring Fibonacci Numbers Brother U. Alfred	57
Solutions, Beginners' Corner Dmitri Thoro	64
A Primer on the Fibonacci Sequence, Part I S. L. Basin Verner E. Hoggatt, Jr.	65
Elementary Problems and Solutions S. L. Basin	73

FEBRUARY

1963

THE FIBONACCI QUARTERLY

Official Organ of
THE FIBONACCI ASSOCIATION

A journal devoted to the study of integers with special properties

EDITORIAL BOARD

Brother U. Alfred	H. W. Gould
H. L. Alder	V. E. Hoggatt, Jr.
S. L. Basin	Leo Moser
John L. Brown, Jr.	D. E. Thoro
	I. D. Ruggles

with the cooperation of

P. M. Anselone	Stephen Jerbic
Terry Brennan	R. P. Kelisky
Maxey Brooke	L. H. Lange
Paul F. Byrd	James Maxwell
Leonard Carlitz	Sister N. de Sales McNabb
H. W. Eves	C. D. Olds
Richard A. Hayes	Azriel Rosenfeld
A. F. Horadam	John E. Vinson
Dov Jarden	Lloyd Walker
	Morgan Ward

The California Mathematics Council, Northern Section
and
The San Jose State College Foundation

All subscription correspondence should be addressed to Brother U. Alfred, St. Mary's College, Calif. All checks (\$4.00 per year) should be made out to the Fibonacci Association or the Fibonacci Quarterly. Manuscripts intended for publication in the Quarterly should be sent to Verner E. Hoggatt, Jr., Mathematics Department, San Jose State College, San Jose, Calif. All manuscripts should be typed, double-spaced. Drawings should be made the same size as they will appear in the Quarterly. These should be done in india ink on either vellum or bond paper. Authors should keep a copy of the manuscript sent to the editors.

The Quarterly is entered as third class mail at the St. Mary's College Post Office, California, as an official publication of the Fibonacci Association.

The Fibonacci Association invites Educational Institutions to apply for Academic Membership in the Association. The minimum subscription fee is \$25 annually. (Academic Members will receive two copies of each issue and will have their names listed in the Journal.)