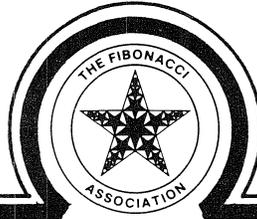# The Fibonacci Quarterly

THE OFFICIAL JOURNAL OF THE FIBONACCI ASSOCIATION

Verner E. Hoggatt, Jr. Memorial Issue

VOLUME 19

NUMBER 3

AUGUST

1981

CONTENTS

The Fibonacci Quarterly

EDITORIAL POLICY

The principal purpose of *The Fibonacci Quarterly* is to serve as a focal point for widespread interest in the Fibonacci and related numbers, especially with respect to new results, research proposals, and challenging problems.

The *Quarterly* seeks articles that are intelligible yet stimulating to its readers, most of whom are university teachers and students. These articles should be lively and well motivated, with innovative ideas that develop enthusiasm for number sequences or the exploration of number facts.

Articles should be submitted in the format of the current issues of the *Quarterly*. They should be typewritten or reproduced typewritten copies, double space with wide margins and on only one side of the paper. Articles should be no longer than twenty-five pages. The full name and address of the author must appear at the beginning of the paper directly under the title. Illustrations should be carefully drawn in India ink on separate sheets of bond paper or vellum, approximately twice the size they are to appear in the *Quarterly*. Authors who pay page charges will receive two free copies of the issue in which their article appears.

Two copies of the manuscript should be submitted to GERALD E. BERGUM, DEPARTMENT OF MATHEMATICS, SOUTH DAKOTA STATE UNIVERSITY, BROOKINGS, SD 57007. The author is encouraged to keep a copy for his own file as protection against loss.

Address all subscription correspondence, including notification of address changes, to SUBSCRIPTION MANAGER, THE FIBONACCI ASSOCIATION, UNIVERSITY OF SANTA CLARA, SANTA CLARA, CA 95053.

Annual domestic Fibonacci Association membership dues, which include a subscription to *The Fibonacci Quarterly,* are $18 for Regular Membership, $25 for Sustaining Membership I, $37 for Sustaining Membership II, and $42 for Institutional Membership; foreign rates, which are based on international mailing rates, are currently $8 higher than domestic rates. *The Quarterly* is published each February, April, October, and December.

All back issues of *The Fibonacci Quarterly* are available in microfilm or hard copy format from UNIVERSITY MICROFILMS INTERNATIONAL, P.O. Box 1307, ANN ARBOR, MI 48106.