

VOLUME III - PART 4

(to be published in November, 1963)

<i>Pre-emptive priority queues</i>	G. F. YEO
<i>Some general results on random walks.</i>	P. A. P. MORAN
<i>Upper and lower bounds for inequality constrained variational problems.</i>	M. A. HANSON
<i>On H. Simpson's six-conic theorem</i>	R. H. F. DENNISTON
<i>On the approximation of algebraic numbers by algebraic integers</i>	K. MAHLER
<i>Zumino's theorem in the quasi-chemical equilibrium theory</i>	T. MATSUBARA and C. J. THOMPSON
<i>On partial sums of Lagrange's series with appli- cation to the theory of queues</i>	P. D. FINCH
<i>Functions of three variable which satisfy both the heat equation and Laplace'ss equation in two variables</i>	D. V. WIDDER

New!

SCIENTIFIC PUBLICATIONS



A. N. Khovanskii **THE APPLICATION OF CONTINUED FRACTIONS
AND THEIR GENERALIZATIONS TO PROBLEMS
IN APPROXIMATION THEORY**

A book of considerable general interest, especially to students and research workers in the field of numerical analysis. It contains many useful formulas and methods of approximation.

Translated by Peter Wynn - 1963 - 244 pp. - cloth. Dfl. 28,—

Ya. I. Rivkind **PROBLEMS IN MATHEMATICAL ANALYSIS**

A collection of 300 problems in mathematical analysis dealing with the proofs of theorems and the exhibition of mathematical expressions with specified properties. Many of them are simple enough for practical applications; others will be useful as themes for course work or in mathematics seminars.

1963 - 104 pp. - Dfl. 10,50

P. NOORDHOFF Ltd. · Groningen · The Netherlands

N. I. Muskhelishvili

**SOME BASIC PROBLEMS OF THE
MATHEMATICAL THEORY OF ELASTICITY**

This text presents the modern viewpoint of the theory of elasticity for the class of problems which can be considered as two-dimensional in character.

Translated from the Russian by J. R. M. Radok.

1963 - xxxii + 704 pp. - cloth Dfl. 57,50

J. C. H. Gerretsen

**LECTURES ON TENSOR CALCULUS AND
DIFFERENTIAL GEOMETRY**

A book of practical importance not only for students in pure mathematics but also for those who apply mathematics as an instrument for research.

1962 - xii + 204 pp. - cloth Dfl. 25,—

M. A. Naimark

NORMED RINGS

A systematic compendium of the ideas, methods and results of the theory of Banach algebra's.

Translated from the Russian by Leo F. Boron.

1960 - 558 pp. + index - cloth Dfl. 48,75

H. Schwerdtfeger

**INTRODUCTION TO LINEAR ALGEBRA
AND THE THEORY OF MATRICES**

A truly introductory book, including many exercises and problems.

2nd edition - 1962 - 280 pp. - cloth Dfl. 21,50

M. A. Krasnosel'skii

Ya. B. Rutickii

**CONVEX FUNCTIONS AND ORLICZ
SPACES**

Discussing the theory of extensive classes of convex functions which play an important role in many branches of mathematics. The theory of Orlicz spaces is developed in detail and applications are pointed out.

Translated from the first Russian edition by Leo F. Boron

1961 - 261 pp. - cloth Dfl. 20,—

B. L. van der Waerden

SCIENCE AWAKENING

Egyptian, Babylonian and Greek mathematics.

Translated from the original Dutch text by the late Prof. A. Dresden of Swarthmore College, U. S. A.

2nd. edition (1961) - 312 pp. - cloth Dfl. 27,—

Forthcoming

Zlatko P. Mamuzić

INTRODUCTION TO GENERAL TOPOLOGY

Translated from the first Serbo-Croatian edition by Leo F. Boron - cloth Dfl. 17,50

P. NOORDHOFF Ltd. • Groningen • The Netherlands

ask for our complete 'List of Scientific Publications' - P. O. Box 39