## THE ANNALS of

## MATHEMATICAL STATISTICS

(FOUNDED BY H. C. CARVER)

THE OFFICIAL JOURNAL OF THE INSTITUTE OF MATHEMATICAL STATISTICS

## **Contents**

	PAGE
On the Sampling Theory of the Roots of Determinantal Equations.  M. A. Girshick	203
An Optimum Property of Confidence Regions Associated with the Likelihood Function. S. S. Wilks and J. F. Daly	225
On Some Properties of Multidimensional Distributions. J. LUKOMSKI	236
On a Class of Distributions that Approach the Normal Distribution Function. George B. Dantzig	247
The Length of the Cycles Which Result from the Graduation of Chance Elements. EDWARD L. DODD	254
On the Distribution of the "Student" Ratio for Small Samples from Certain Non-Normal Populations. H. L. RIETZ	265
The Problem of m Rankings. M. G. KENDALL AND B. BABINGTON SMITH	<b>2</b> 75
Notes:	
The Allocation of Samplings Among Several Strata. J. STEVENS STOCK AND LESTER R. FRANKEL	288
On the Coefficients of the Expansion of X <sup>(n)</sup> . J. A. Joseph	293
On the Probability of Attaining a Given Standard Deviation Ratio in an Infinite Series of Trials. JOSEPH A. GREENWOOD AND T. N. E. GREVILLE	297

Vol. X, No. 3 — September, 1939