

THE ANNALS *of* MATHEMATICAL STATISTICS

FOUNDED AND EDITED BY H. C. CARVER, 1930-1938

EDITED BY S. S. WILKS, 1939-1949

THE OFFICIAL JOURNAL OF THE INSTITUTE
OF MATHEMATICAL STATISTICS

Contents

	PAGE
The Future of Data Analysis.....	JOHN W. TUKEY 1
Infinitely Divisible Distributions: Recent Results and Applications MAREK FISZ	68
Limit Theorems for Randomly Selected Partial Sums PATRICK BILLINGSLEY	85
A Law of Large Numbers for the Maximum in a Stationary Gaussian Sequence.....	SIMEON M. BERMAN 93
A "Renewal" Limit Theorem for General Stochastic Processes V. E. BENEŠ	98
Mixtures on Markov Processes.....	DAVID A. FREEDMAN 114
Some Aspects of the Emigration-Immigration Process....	HAROLD RUBEN 119
A Transient Discrete Time Queue with Finite Storage..	JOHN R. KINNEY 130
A General Model for the Reliability Analysis of Systems Under Various Preventive Maintenance Policies.....	B. J. FLEHINGER 137
Approximations to the Moments of the Sample Median...M. M. SIDDIQUI	157
Recurrence Relations Between the PDF's of Order Statistics, and some Applications.....	K. S. SRIKANTAN 169
Enumeration of Linear Graphs for Mappings of Finite Sets..	JOHN RIORDAN 178
Asymptotic Power of Certain Test Criteria (Based on First and Second Differences) for Serial Correlation Between Successive Observations A. R. KAMAT AND Y. S. SATHE	186
Ante-Dependence Analysis of an Ordered Set of Variables..	K. R. GABRIEL 201
A Classification Problem in which Information about Alternative Distribu- tions is Based on Samples.....	BOB E. ELLISON 213

(Continued on back cover)

Vol. 33, No. 1 — March, 1962