

CONTENTS

EDITOR'S PREFACE	▼
Brownian Motion Depending on n Parameters: The Particular Case $n = 5$	1
By PAUL LÉVY	
A New Look at the First Boundary-value Problem	21
By J. L. DOOB	
On Boundaries Defined by Stochastic Matrices (Abstract)	35
By WILLIAM FELLER	
On the Application of Functional Calculus to the Statistical Theory of Turbulence .	41
By EBERHARD HOPF	
Stochastic Processes of Astronomical Interest	51
By GUIDO MÜNCH	
The Singularity in the Spectrum of Homogeneous Turbulence	67
By G. K. BATCHELOR	
Probability in Classical Physics	73
By MARK KAC	
Infinite Models in Physics.	87
By S. M. ULAM	
Quantum Theory and the Foundations of Probability.	97
By B. O. KOOPMAN	
INDEX	103