CONTENTS

2.A. Melzak. Some Mathematical Problems in the Study of the Nervous System	1
R. Theodorescu. Random Programs	20
P.S. Puri. A Quantal Response Process Associated with Integrals of certain Growth Processes	0.7
J.J. Gart. On the Use of Mathematical Models in the Interpretation of Biomedical Data	136
W.M. Siebert. Some Applications of Random Processes in Neurophysiology	140
R.S. Shirley. Modeling the Human Operator	1.32
Abstracts of Contributed Papers	
L.M. Bianchi and J.R. Hamann. Relational Hierarchies in Biosystem Theories	220
A.B. Cairnie. Models of Cell Proliferation Systems	2,30
R.E. Beschel. Multivariate Problems in Geobotany	238
R. Wales. Flow Graph Analysis in Ocular Fluid Physiology	244
G. van Belle. Coefficient of Variation of Cross- Sectional Areas of an Ellipsoid under Random	2 47

Slicing

247