

PROPOSED INTERNATIONAL SYMPOSIUM ON STATISTICAL ECOLOGY

An International Symposium on Statistical Ecology is to be held during August 24–30, 1969, at Yale University and the U.S. Forest Service Research Laboratory, New Haven, Connecticut, U.S.A. Support is being provided by Ford Foundation, Yale University, Pennsylvania State University, the U.S. Forest Service and the Canadian Department of Agriculture.

The proposed symposium is to provide an opportunity for the exchange of ideas and information between ecologists, mathematicians, statisticians, and systems analysts. Particular emphasis will be put on techniques applicable to the solution of man-environment problems. Time will be available for students and researchers to meet the professional scientists as well as to attend the formal sessions. Time will be allowed for discussion in all sessions. Invited and selected papers together with discussions are to be published in the Proceedings of the Symposium.

The international organizing committee consists of E. Batschelet, D. R. Cox, J. Gani, D. W. Goodall, J. Gulland, H. Klomp, V. Labeyrie, B. Matern, C. R. Rao, V. Schultz, J. G. Skellam, L. R. Taylor, E. J. Williams with G. P. Patil, E. C. Pielou and W. E. Waters as co-chairmen. The symposium is expected to include areas such as the growth and regulation of populations, systems analysis and ecological prediction, productivity and the energy relations of eco-systems, population interaction, diffusion and migration, classification and discrimination problems in communities, ecological maps, distribution of species and their diversity, spatial patterns, homogeneity in vegetation, model making and distributions in ecology, sampling biological populations.

The following scientists have tentatively agreed to participate: D. J. Anderson, M. S. Bartlett, C. I. Bliss, L. C. Cole, D. R. Cox, P. Dagnelie, J. Gani, P. Greig-Smith, N. G. Hairston, P. Holgate, C. D. Kemp, K. A. Kershaw, H. Klomp, V. Labeyrie, L. P. Lefkovitch, R. C. Lewontin, M. Lloyd, B. Matern, M. Morisita, R. F. Morris, M. D. Mountford, G. P. Patil, O. Persson, E. C. Pielou, C. R. Rao, L. R. Shenton, J. G. Skellam, L. B. Slobodkin, F. E. Smith, P. Switzer, L. R. Taylor, G. M. VanDyne, W. G. Warren, and W. E. Waters. Response from a few others is awaited. It is possible that a few contributed papers may be selected for the symposium program.

Further information is available from Professor G. P. Patil, Department of Statistics, 302 McAllister Building, Pennsylvania State University, University Park, Pennsylvania, 16802, U.S.A.

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Authors will receive only first proofs for correction; charges will be made for excessive alteration to these.

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Review Paper

- SAMUEL KARLIN 487 Equilibrium behavior of population genetic models with non-random mating. Part II: Pedigrees, homozygosity and stochastic models

Research Papers

- P. WHITTLE 567 Equilibrium distributions for an open migration process
- B. R. BHAT 572 On an extension of Gani's model for attachment of phages to bacteria
- G. F. NEWELL 579 Queues with time-dependent arrival rates. II — The maximum queue and the return to equilibrium
- G. F. NEWELL 591 Queues with time-dependent arrival rates. III — A mild rush hour
- D. P. GAVER, JR. 607 Diffusion approximations and models for certain congestion problems
- DONALD R. McNEIL 624 A solution to the fixed-cycle traffic light problem for compound Poisson arrivals
- P. M. WU 636 Storage with deterministic outputs and inputs subject to breakdowns
- D. G. LAMPARD 648 A stochastic process whose successive intervals between events form a first order Markov chain — I
- JOZEF L. TEUGELS 669 Exponential ergodicity in derived Markov chains
- RICHARD MORTON 679 On the dynamic programming approach to Pontriagin's principle
- MORRIS SKIBINSKY 693 Extreme n th moments for distributions on $[0, 1]$ and the inverse of a moment space map

Short Communication

- D. G. TAMBOURATZIS 702 On a property of the variance of the waiting time of a queue