

Research in Birth Control and Changing Sex Behavior

A program arranged and chaired by Ailon Shiloh (University of Pittsburgh).

Paul H. Gebhard (Indiana University), *Changing Sex Behavior among College Youth*.

Ira L. Reiss (University of Iowa), *The Social Context of Premarital Sexual Permissiveness*.

Ailon Shiloh, *Behavioral Characteristics among Women Utilizing Selected Birth Control Techniques*.

Frederick J. Ziegler (Cleveland Clinic Foundation), *Sexual Behavior and Non-Coital Contraception*.

Discussants: Mary Calderone (Sex Information and Education Council of the United States) and Charles F. Westoff (Princeton University).

The purpose of this symposium is to present original research data concerning relationships between birth control and changing sex behavior. The symposium will highlight different theoretical and methodological approaches to the problem. Two senior authorities in this area of research will evaluate and discuss the papers and their implications. Questions from the audience and comments have been scheduled following each speaker and the discussants.

STATISTICS (U)

27 December

Estimating the Numbers in Insect Populations

A program of the Biometric Society, arranged and chaired by E. C. Pielou (Canada Department of Agriculture, Ottawa).

Morning

J. F. Wear (U.S.D.A. Forest Service), *Aerial Techniques for Estimating Impact of Forest Pests on Forest Resources of the United States*.

C. A. Miller (Canada Department of Forestry & Rural Development), *Estimating the Sizes of Sparse Populations of Spruce Budworm*.

D. O. Greenbank (Canada Department of Forestry & Rural Development), *Population Sampling for a Recently Introduced Forest Insect*.

J. U. McGuire, Jr. (U.S. Department of Agriculture), *Progress in Estimating Insect Populations*.

Afternoon

L. P. Lefkovitch (Canada Department of Agriculture), *Canonical Correlation and Population Growth*.

F. B. Knight (University of Michigan), *Field Sampling for Forest Insect Population Evaluation*.

D. M. Lee (Canada Department of Forestry & Rural Development), *Monte*

Carlo Experiments on Sampling from Non-Normal Populations.

R. C. Chapman and G. M. Furnival (Yale School of Forestry), *Sampling Insect Populations and Estimating Life Contingencies*.

As the world's population grows the struggle between men and pest insects for the available food and forest resources is becoming more intense, and more expensive. The success, or lack of it, of attempts at pest control, cannot be judged unless one can estimate the number of pests in a given area. Only when these estimates can be made is it possible to judge how population sizes fluctuate, both naturally and as a result of human intervention. Many species of insect are involved; they vary widely in density; in the sort of environment they are found in; in motility; in their behavior at the different stages of their life histories; in the degree to which they are controlled by natural agencies; and in the damage they cause. Any particular population therefore presents its own peculiar problems. Taking the particular circumstances into account, the field worker has to devise a sampling scheme that is statistically sound, that gives the required precision, and that he can afford on his own budget. There is thus great need for a thorough union of practical and theoretical knowledge.

AAAS-Westinghouse Science Writing Awards

The winners of the 1967 AAAS-Westinghouse science writing awards in three categories were announced today. Each award carries a \$1000 cash prize.

Irving S. Bengelsdorf, science editor, of the Los Angeles Times, is the winner of the award for writers on newspapers with a daily circulation of more than 100,000. His entry consisted of three articles: "The Universe Is Unbelievable," 22 December 1966; "Physicist's Sun-Bulge Finding Challenges Einstein Relativity Theory," 20 February 1967; and "Red China's Incredible Technological Revolution," 23 July 1967.

Jean Gillette, of the San Angelo, Texas, Standard Times, is the winner of the award for writers on newspapers with a daily circulation of under 100,000 for her

articles: "In Ancient West Texas—Fireball Exploded on Prairie," 1 January 1967; "Thunderstorms: Killers and Lifesavers," 9 July 1967; and "Presido Study Probes Total Environment," 23 July 1967.

Isaac Asimov, free-lance science writer, won the \$1000 award for magazine writing with his article "Over the Edge of the Universe" in the March 1967 issue of Harper's Magazine. The article discusses the discovery of quasars and their significance with respect to current cosmological theories.

An article, "A Close Look at Wildlife in America," earned an honorable mention for Bil Gilbert, a contributing writer for The Saturday Evening Post. The article appeared 9 September 1967.