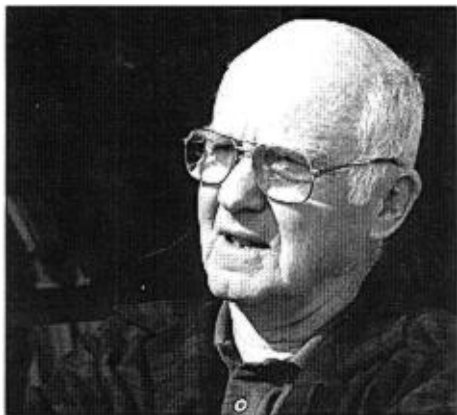


MILLER RESEARCH AWARD

At its 1993 annual meeting, the Cooper Ornithological Society initiated the Loye and Alden Miller Research Award, which is given for lifetime achievement in ornithological research. The Miller Award Committee, with the approval of the Board of Directors, presented the first award to George A. Bartholomew, with the citation as given below. On the following pages are the academic family trees of Loye and Alden Miller, in whose honor the award is named.

CITATION FOR GEORGE A. BARTHOLOMEW



George A. Bartholomew, organismal biologist extraordinary, has greatly advanced the field of physiological ecology by mastering animal behavior, ecology, and physiology, and with rare insight, combined relevant aspects of these areas to assess the evolutionary significance of adjustments or adaptations in animals to their respective environments. By choosing species appropriate for the particular problem in hand and thus

by studying a great variety of animals from insects to mammals in a wide array of habitats, he achieved a broad basis for his comparative studies. His more than 150 publications include a study of heating production in plants and a seminal paper on the ecology of protohominids. Among his papers on birds are studies on photoperiodic control of reproduction, water economy, electrolyte excretion, respiratory physiology, thermoregulation, torpor, and social behavior. His original ideas on the importance of behavior to physiological studies, the individual as the unit of selection, the organism as a series of compromises, and the importance of multiple factors in the determination of survival and geographic distribution are all now recognized as aspects of the modern intellectual approach to physiological ecology.

Although his influence on biology is based primarily on his original scientific research, he is also a distinguished teacher. His academic lineage, which numbers more than two hundred individuals, has been estimated to include one-half of the practicing physiological ecologists in the United States. His textbook chapters are masterful summaries of ideas, and his many films are models for combining ideas with clarity and beauty.

It is a pleasure to present the first Miller Award to the man whose broad view of life, intelligence, insight, and diligence have been combined to create a new way of looking at the individual animal. This honor seems especially fitting because of Professor Bartholomew's association in his career with the two individuals whom it commemorates.