

Preface

The idea behind this volume and its companion, *Evolution, Brain, and Behavior: Persistent Problems*, began with an interchange of letters with G. Gaylord Simpson in the spring of 1969. At that time we spoke only of updating a previous volume on the same subject, *Behavior and Evolution*, which had been edited by Roe and Simpson and published by Yale University Press in 1958. However, as the number of people who expressed interest increased, enthusiasm for the project also increased and its goals were gradually extended. Eventually, an entirely new effort seemed most appropriate—one directed toward presenting the facts and arguments of paleontology, neurology, and behavior and specifically written in a form usable to students in each other's field.

Accordingly, a meeting was eventually convened to plan the volume and a conference that was to produce it. The planning meeting was held at Tallahassee in February, 1972, under the sponsorship of the Psychobiology Program at Florida State University. It included representatives from the fields of paleontology, comparative neurology, and behavior: M. E. Bitterman, C. B. G. Campbell, William Hodos, Nicholas Hotton, Harry Jerison, J. M. Warren, James C. Smith, Stan Olsen, and Elliott Valenstein.

At the planning meeting the form of the conference was decided: it would consist of four days of meetings divided into morning and afternoon sessions. The morning sessions were to be devoted to the generation of a descriptive overview of what is now known about the evolution and variety in structure and behavior of vertebrates. This overview would be published as the first of two volumes. The afternoon sessions were to be devoted to discussions of the most persistent problems confronting students of the comparative neurosciences regardless of their particular discipline, and would be published as the second of the two volumes.

Subcommittees were then formed for each discipline in the morning sessions and for each discussion topic in the afternoon sessions. Later, these subcommit-

tees selected and invited the participants and still later, edited the manuscripts. The chairmen appear as editors of the volumes themselves.

The conference itself was held in Tallahassee late in February, 1973. It was sponsored jointly by the Psychobiology Program of the Florida State University, the National Science Foundation, and the W. T. Grant Foundation.

Participants in the conference included:

Mark Berkeley	Giles MacIntyre
M. E. Bitterman	W. A. Mason
Kenneth Brookshire	Bruce Masterton
C. B. G. Campbell	Malcolm McKenna
William Clemens	Glenn Northcutt
William Corning	Stan Olsen
Judith Cruce	E. C. Olson
William Cruce	J. M. Petras
Donald Dewsbury	David Premack
Irving Diamond	Leonard Radinsky
Sven Ebbesson	W. A. Riss
Ford Ebner	M. J. RoBards
Carl Gans	Bobb Schaeffer
Michael Ghiselin	L. C. Skeen
Karen Glendenning	Joseph Sidowski
Mitchell Glickstein	Elwyn Simons
S. J. Gould	James C. Smith
Jack P. Hailman	William Stebbins
William C. Hall	N. S. Sutherland
William Hodos	Donald Tucker
Nicholas Hotton, III	J. M. Warren
John A. Jane	Douglas Webster
Harry Jerison	W. I. Welker
Jack Johnson	E. G. Wever
Harvey Karten	Martha Wilson
Richard Kay	William Wilson
Eric Lenneberg	William Woodard

During the conference, the presentations and discussions of each topic were tape-recorded and the tape given to the contributor for use in modifying his manuscript. After the participants returned home and rewrote their contributions the several editors collected, edited, and reedited the manuscripts until they took their present form.

Throughout the time from the original interchange of letters to the publication of the finished volumes, many people whose names do not appear in the volumes

