

# Attachment No. 1

May 1981

updated to 1984

## CURRICULUM VITAE

NAME: John B. Calhoun

Chief, Unit for Research on Behavioral Systems (URBS)  
Laboratory of Brain Evolution and Behavior  
Building 110 - NIHAC  
9000 Rockville Pike  
Bethesda, Maryland 20014

Date & Place of Birth: May 11, 1917, Elkton, Tennessee

Marital Status: m. Edith Gressley, August 15, 1942; two children:  
Catherine b. 1950; Cheryl b. 1954.

### Education:

- 1931 Rural Haywood County, Tennessee: roamed fields, forests and swamps through elementary school, hunting and collecting turtles and bird eggs.
- 1931 - 1935 Hume Fogg High School, Nashville, Tennessee. Under tutelage of several competent naturalists: banded birds and covered the state collecting birds, bird eggs, and insects.
- 1935 - 1939 B.S. in Biology, University of Virginia, Charlottesville, Va. As collector for the biology labs was accepted into the intellectual and social life of the biology graduate students.
- 1939 - 1943 Ph. D. in Zoology, Northwestern University, Evanston, Illinois. Tutored in social ecology and rhythms of behavior by Orlando Park and Warder C. Allee (U. Chicago)

### Brief Chronology of Employment:

- 1943 - 1946 Teaching, research on evolution. Emory University, Georgia, and Ohio State University.
- 1946 - 1949 Research on ecology and sociology of the Norway rat, Johns Hopkins University, School of Hygiene and Public Health, Baltimore, Maryland (Initiated the North American Census of Small Mammals during this period and continued its coordination to 1956).
- 1949 - 1951 Jackson Memorial Laboratory, Bar Harbor, Maine. Influence of heredity on social organization of mice in designed habitats.

John B. Calhoun (continued)

1951 - 1954 Division of Neuropsychiatry, Graduate School, U.S. Army, Walter Reed Medical Center: Thinking and writing with Dr. David McK. Rioch as my mentor. Concepts: Home range theory.

1954 - 1962 Section on Perception, Laboratory of Psychology, NIMH. Developed the Rockville-Casey Farm facility for the experimental study of population dynamics and social behavior. With Dr. Leonard Duhl organized the Committee on "Physical and Social Environmental variables as Determinants of Mental Health" which met twice a year, ~~1965 - 1956~~ 1967. Concepts: Behavioral Sink, optimum group size, social velocity.

1962 - 1963 Fellow, Center for Advanced Study in the Behavioral Sciences. Major shift to encompass research on human evolution, past and future.

1963 - 1970 Organized URBS. Focus on designing environments re identity formation, population growth, social withdrawal, and value formation and change. Concepts: optimum world population, conceptual space.

1971 - 1978 Member of the Laboratory of Brain Evolution and Behavior, NIMH. Demonstrated the ultimate pathology of overcrowding in which all members of a terminal generation of mice are autistic-like, incapable of social behavior essential for species survival. In 1974-75 organized a new research program to continue to 1984 to (1) clarify the origin of the ultimate pathology, (2) counteract effects of crowding through inducing acquisition of culture by rats, and develop an operational model that simulates the way concepts are associated in the human brain.

1978 United Nations Fund for Population Activities, Dec. 16 to June 1978. Preparing a "fresh look" overview of population and environment interaction with respect to the future of human population.

1977 - 1984 Laboratory of Brain Evolution and Behavior, NIMH. Continued direction of the URBS research program with introduction of new major studies on (a) the influence of cooperative behavior on reducing the impact of crowding in rats, (b) vocal communication in rats, and (c) MAM induced microencephaly and its influence upon social behavior of rats in complex environments.

John B. Calhoun (continued)

Military Service:

none

Societies:

Sigma Xi

American Association for the Advancement of Science (Fellow)

American Society of Mammalogists

Ecological Society of America

American Institute of Biological Sciences

Wildlife Society

Animal Behavior Society (Fellow)

Society for General Systems Research

Honors:

1. Six lectures given to the American Academy of Pediatrics, November 1981.
2. Department of Health and Human Services, ADAMHA Administrator's Award for Meritorious Achievement "For innovative research on the effect of environment on behavior, and the impacts on animal and human populations."
3. November 1982. "In recognition of John B. Calhoun, Ph.D., whose life work has been an inspiration to all who aspire to a science of human behavior." Georgetown Family Center, Georgetown University, Washington, D.C.

ADDENDUM

Lectures given:

25 February 1980: "Aids to helping define the purpose of a city". Smithsonian Institution Lecture series: "Creating the City: Design Dialogues."

2 October 1980 : Invited participant in a Conference on "Energy and the Future of Man," Washington, D.C. organized by the U.S. Department of Energy.

12 December 1980: Invited guest at the 100th Anniversary celebration of the founding of the American Association for the Advancement of Science held at the Smithsonian Institution, Washington, D.C.

15 December 1980: Keynote address: "The Built Environment and Information." At conference on "Access to Information on the Built Environment," Washington, D.C. Sponsored by the American Institute of Architects, National Institute of Building Sciences, and the Association for Man-Environment Relations.

8 June 1981 : "Principles of Environmental Design--Behavioral and Social Implications." Tennessee Technological University. Before the Southern Regional Honors Council.