LABORATORY PRIMATE NEWSLETTER

Volume 1, Number 2
March 1962

Edited by
Allan M. Schrier
and
Judith E. Schrier

Psychology Department
Brown University
Providence 12, Rhode Island
POLICY STATEMENT
(Revised March 1962)

The primary purpose of the Newsletter is to provide information on maintenance and procurement of non-human primates for laboratory studies. A secondary purpose is dissemination of general information about the world of primate research. Examples of the kind of practical information that would be useful are as follows: new drugs, novel aspects of cage design, new products, evaluations of various products, references to or short summaries of articles, off-beat or other, of general interest, experiences in connection with the procurement of monkeys. The Newsletter will also publish offers to exchange monkeys (for example, older monkeys for young or infant monkeys) and requests for monkeys with special characteristics (for example, good breeders or pregnant females). If someone has a special problem, he might want to request help through the Newsletter.

As a rule, only research articles or summaries which have some practical implications or which provide general information likely to be of interest to investigators in a variety of areas of primate research will be accepted for inclusion in the Newsletter. Descriptions of current research projects will also be welcomed. It should be kept in mind that the Newsletter is not a formal publication and that it is not likely to be obtainable in libraries. Therefore, citation of Newsletter notes or articles in publications is not recommended.

Information for the Newsletter will be welcome from anyone in any research area who is using monkeys. The Newsletter will probably appear bimonthly and will continue so long as people are interested enough to contribute items of information. The mailing list is open to anyone expressing an interest. There is no subscription charge.

All correspondence concerning the Newsletter should be addressed to:

Allan M. Schrier
Psychology Department
Brown University
Providence 12, Rhode Island

Acknowledgement

Financial support for the Newsletter is provided by the Psychology Department, Brown University.
CONTENTS

Recent Articles on Primate Diseases and Care........1
Articles on Development..................................1
Articles of General Interest.............................2
News Release: Laboratory Animal Care and
Facilities Standards Sought.............................2
Conference Announcement.................................4
Newspaper Clippings....................................8
Additions to Mailing List...............................11
RECENT ARTICLES AND BOOKS ON PRIMATE DISEASES AND CARE

Disease symptoms and treatment


General


ARTICLES ON DEVELOPMENT

Correlation of Skeletal Growth and Epiphyseal Ossification with Age of Monkeys. Gisler, D. B. et al. (Technical Report, Nov., 1960, School of Aviation Medicine, USAF Aerospace Medical Center (ATC), Brooks Air Force Base, Texas, U.S.A.)

ARTICLES OF GENERAL INTEREST


LABORATORY ANIMAL CARE AND FACILITIES STANDARDS SOUGHT

A committee to "determine and establish professional standards for laboratory animal care and facilities" has been formed by the Animal Care Panel, a national group dedicated to improvement in the care and management of laboratory animals. The work of the committee will be carried on under a contract from the Division of Research Grants of the National Institutes of Health, U. S. Department of Health, Education and Welfare.

Principal investigator for the project is Dr. Bennett J. Cohen, Assistant Professor of Physiology and Director of the Vivarium, University of California at Los Angeles School of Medicine. Among those serving will be Dr. Bernard F. Trum, Director of the Animal Research Center at the Harvard Medical School, and Dr. Thomas Clarkson, Associate Professor of Experimental Medicine and Director of the Vivarium, Bowman Gray School of Medicine.

Commenting on the founding of the special investigating group, Dr. Bernard F. Trum said:

"It has been the concern of the scientific community that the care and management of laboratory animals be under the direction of professionally qualified personnel, that the proper housing be provided and that the animal care personnel be adequately trained. Within the past few years many new facilities have been constructed and many existing facilities are either being expanded or remodeled. Professional standards for the construction and maintenance of animal facilities and for laboratory animal care have not as yet been developed and published. Information is needed. There is also a need to discuss and evaluate existing knowledge."

Dr. Trum outlined the four major objectives of the committee study as:

1) The development of a tentative set of standards to cover the minimum requirements necessary for good animal care.

-2-
The standards will define the degree and qualifications of supervising, building and maintaining animal facilities.

2) The appointment of a Certification Board who will arbitrate on a voluntary basis the applications of the standards to facilities.

3) Trial certification visits to test realistic value of standards and committee's arbitration.

4) Voluntary acceptance of the standards and promulgation among interested institutions.

Cooperating with the Animal Care Panel in the program will be the American Veterinary Medical Association, the American Dental Association, the American Medical Association, the National Society for Medical Research, the American Heart Association, the Association of American Medical Colleges, the Federation of American Societies for Experimental Biology, and the Institute of Laboratory Animal Research.

From a news release of February 16, 1962, by the Director of Medical Information, Harvard University
CONERENCE ANNOUNCEMENT

The Relatives of Man
Modern Studies of the Relation of the Evolution
of Non-human Primates to Human Evolution

Friday, April 27, 1962
Saturday, April 28, 1962
THE NEW YORK ACADEMY OF SCIENCES
DIVISION OF ANTHROPOLOGY

Ethel Boissevain, Chairman
Robert Heckel, Vice-Chairman

2 East Sixty-third Street
New York 21, New York
Conference Chairman
John Buettner-Janusch
Yale University
New Haven, Connecticut

STATEMENT OF PURPOSE

A proper understanding of human evolution is based on the details of evolutionary trends in the entire order Primates. The order is widespread and consists of a large number of different forms. It has never been treated in a comprehensive, inclusive fashion by the scholars working on it. In the past few years studies of Primate behavior, genetics, immunology, neurology and ecology have increased.

The purpose of this conference is to bring together a number of people who have recently examined the Primates in many of these research areas. Preliminary discussion among many of the workers in these fields indicates that these multiple lines of endeavor are beginning to converge on many of the same essential evolutionary problems. The fact that a rather heterogeneous group of studies all bear on the same problems make such a conference a splendid occasion for some "cross-fertilization". The fact that various researchers are beginning to converge will make clear to anthropologists and all others interested in the Primates that
multiple lines of evidence now support certain general ideas about the trend of evolution in this order. The evolutionary implication of cytogenetics and the biochemical studies of Primates are beginning to fit in with and amplify behavioral and ecological studies. These behavioral studies in turn, are supported and amplified by neurological research on the brains of Primates.

The conference, then, would provide a meeting for researchers who are presently working on the strata upon which human behavior and human evolution were built. Its role would be to stimulate further consideration of behavioral research in the light of evolutionary biology. Conversely, the evolutionary sociology of the Primate behaviorists might well lead to widened perspectives for biologists.

PROGRAM

Friday, April 27, 1962

Session Chairman: Harry L. Shapiro
American Museum of Natural History
New York, New York

9:00 A.M.

Greetings from the Academy - Ethel Boissevain, Chairman, Division of Anthropology, The New York Academy of Sciences, New York, N. Y.; City University, Hunter College, New York, N. Y.

"Some Exciting Discoveries in Lemur Skin" - William Montagna, Brown University, Providence, Rhode Island.


"Immunochemistry of the Primates and Primate Evolution" - Morris Goodman, Wayne State University, Detroit, Michigan.

"Biochemical Genetics of the Primates" - John Buettner-Janusch, Yale University, New Haven, Connecticut.

Discussants:

George Gaylord Simpson, Harvard University, Cambridge, Mass.

Curtis Williams, Rockefeller Institute, New York.

Theodosius Dobzhansky, Columbia University, New York.

12:30 P.M.

Luncheon - Academy Building, 2 East 63rd Street, New York, N. Y.

Session Chairman: F. Bourliere
Faculte de Medecin
University of Paris

2:00 P.M.

"Manipulative Behavior of the Primates and its Evolutionary Implications" - Alison Bishop, Yale University, New Haven, Conn.


"Behavior of the Rhesus Macaque in the Field" - Charles Southwick, The Johns Hopkins University, Baltimore, Maryland.

"Analysis of Macaque Behavior" - Stuart Altmann, University of Alberta, Edmonton.

"Gorillas in the Field" - George Schaller, University of Wisconsin, Madison, Wisconsin.

Discussants:

Harry L. Shapiro, American Museum of Natural History, New York.

Theodosius Dobzhansky, Columbia University, New York.

Clarence R. Carpenter, Pennsylvania State University, University Station, Pennsylvania.

5:30 P.M. - Cocktail Hour - Academy Building.

6:30 P.M. - Dinner - Academy Building.

8:00 P.M. - Special Lecture - "The Importance for Science of the Conservation of Primates" - F. Bourliere, Faculte de Medecin, University of Paris.
Saturday, April 28, 1962

Session Chairman: Theodosius Dobzhansky
Columbia University
New York, New York

9:00 A.M.


"Baboons" - Irven DeVore, University of California, Berkeley, California.

"Vocal Behavior Among the Primates and Primate Evolution" - Richard Andrew, Yale University, New Haven, Connecticut.

"Behavior of Chimpanzees in the Field" - Jane Goodall, Cambridge University, Cambridge, England.


Discussants:

F. Bourliere, Sorbonne, Paris, France.

C. R. Carpenter, Pennsylvania State University, University Station, Penn.


Session Chairman: John Buettner-Janusch
Yale University
New Haven, Connecticut

2:00 P.M.

Session Devoted to Pictures and Films of Primates.

Slides of Various Primate Species - John Buettner-Janusch, Yale University, New Haven, Connecticut.


Rhesus Macaques - Charles Southwick, The Johns Hopkins University, Baltimore, Maryland.

Gorillas - George Schaller, University of Wisconsin, Madison, Wisconsin.

Discussion Invited.
MONKEYS RETALIATE
Pilibhit, November 25. - Hundreds of monkeys made common cause to track down the "murderer" of a young member of their family here yesterday.

Since early morning they have besieged the houses of the bungalow of Mr. J. S. Mathur, Superintendent of Police.

His dog killed a young monkey which had strayed into the compound. In response to "urgent summons" from the mother, a large number of monkeys collected around the body.

The dog is safely kept away from their sight.

_Indian Express_, New Delhi, 26 November 1960

PIA DOING 'MONKEY BUSINESS' SERIOUSLY
Pakistan International Airlines have now, it seems, decided to go into the monkey business with real earnestness, and yesterday they even went so far as to convert one of their regular Super-Constellation aircraft into a "freighter" to carry a fresh load of 250 monkeys to Karachi.

And well they might, for, according to a senior PIA official "it pays more to carry a monkey than a human being". The official probably did not mean only the immediate costs of freight but also had in mind the long-term benefit in terms of foreign exchange when he made this remark, but anyhow the cargo charges for livestock are Rs.3 per lb.

Present at Tejgaon airport to bid the monkeys 'bon voyage' were, among others, a group of local Pressmen, who were quite intrigued to see the large aircraft full of cages instead of the usual assortment of passengers. The aircraft smelt powerfully of disinfectants and the monkeys sat huddled in their cages, quiet and obviously non-plussed in their new surroundings.

Their only consolation: Two pretty airhostesses accompanying the "cargo" to Karachi.

_Morning News_, Dacca, 10 December 1960

MONKEYS EARN DOLLARS
Calcutta, December 31: - India exported 68,516 monkeys in the six months ended September 1960, according to official sources. The value amounted to Rs.35 Lakhs.
The United States was the major importer accounting for 42,291 monkeys valued at nearly Rs.22 Lakhs.

Evening News (H.T.), New Delhi, 31 December 1960

INDIA'S MONKEYS TO BE SURVEYED
Kyoto (Japan), February 3: - Four Japanese Anthropoid experts will undertake a joint survey of Indian Monkeys with Indian scientists from Mysore University, says APP.

Led by Prof. D. Miyadi of Kyoto University, the Japanese are planning to set up their base camp at Hubli in northern Mysore and to study the monkey population of southern Deccan Plateau. The survey, which will continue for a year and a half, is financed by the Rockefeller Foundation.

Statesman, Delhi, 4 February 1961

PET MONKEYS TRAIN TO RETURN TO BUSH
Bulawayo, Southern Rhodesia (UPI): - The Bulawayo Society for the Prevention of Cruelty to Animals has set up a "rehabilitation" center for domesticated monkeys who have forgotten what it is to be wild.

The society started the course to re-educate the too-educated monkeys in the ways of the bush when it found it had forty-two monkeys which formerly had been pets in Bulawayo homes.

The monkeys had got the sack as household pets because of such offences as biting children, tearing furnishings or old-age petulance.

But when the society decided to turn them loose it found they had no idea how to fend for themselves in the bush.

So the society set up the "decivilizing" course for the educated monkeys in Bulawayo's Matopos National Park.

There game rangers spent months patiently turning them back into wild animals. The rangers reported that when first released the monkeys enjoyed swinging through the trees, but at mealtimes they all gathered in one spot patiently waiting for a handout.

They were terrified of other wildlife in the park and had no idea of how to feed themselves.

But as the rangers showed them the way back to the wild ways, they disappeared one by one into the bush.

Today all forty-two of the original group have been rehabilitated.

CHIMP TO MISS OWN ART SHOW HERE
Cincinnati, Ohio, October 18 (UPI): - Beauty, a 3-year-old chimpanzee at the Cincinnati Zoo, will not be able to attend her own art exhibition in New York next week for the benefit of the Cincinnati Zoological Society.

Like other chimps, Beauty is susceptible to pneumonia, and zoo officials will not allow her to leave her warm home here and make the trip to New York for next Wednesday's "champagne review" of her finger-painting work.

Beauty began finger-painting over a year ago, and those who are up on chimpanzee art realized it was time for her to try for the big time.

A private show will be held without Beauty next Wednesday for her abstract gouache works. The show, which will be opened to the public next day, will be at the Bianchini Gallery on East Seventy-eighth Street through November 4.

The announcement of the show indicated that chimpanzee art, which has gained in popularity in recent years, is now considered an important source of information on the origins of human art.

Beauty's first paintings were wild abstracts, the zoo reported. But in recent months she has begun to select her colors with greater care and has focused on a circular motion.

The New York Times, 19 October 1961

CONTRIBUTORS TO THE PRESENT ISSUE

Dr. K. F. Meyer, The George Williams Hooper Foundation, San Francisco, Dr. Isaac Behar, U. S. Army Medical Research Laboratory, Fort Knox, Ky., Dr. Morris L. Povar, Povar Animal Hospital, East Providence, Rhode Island
ADDITIONS TO MAILING LIST

Dr. Myron S. Allen
Thinking Unlimited Group
Pac. Inst. Earth Sciences
448 N. Ave. 56
Los Angeles 42, Calif.

Dr. George W. Anderson
Division of Laboratories
Providence Lying-in Hosp.
Providence 8, R. I.

Mr. Fred J. Bassett
The Upjohn Co.
Kalamazoo, Michigan

Dr. D. E. Batten
Education Division
Eastern Washington Coll.
of Education
Cheney, Washington

Dr. Alfred Baumeister
George Peabody Coll. for Teachers
Nashville 5, Tennessee

Dr. D. E. Beischer
U.S. Naval School of Aviation Medicine
U.S. Naval Aviation Medical Center-54
Pensacola, Florida

Dr. Bent G. Boeving
Dept. of Embryology
Carnegie Inst. of Washington
Baltimore 10, Maryland

Dr. Edward Boff
Dept. of Pharmacology
Hoffman-LaRoche Inc.
Nutley 10, New Jersey

Dr. J. Bosson
Division of Biology
Calif. Inst. of Tech.
Pasadena, California

Dr. P. L. Broadhurst
Center for Advanced Study
in the Behavioral Sciences
Stanford, California

Dr. H. C. Browning
Dept. of Anatomy
Univ. of Texas Dental Branch
Texas Medical Center
Houston 25, Texas

Dr. George C. Buell
Division of Laboratories
Calif Dept. of Public Health
Berkeley 4, California

Dr. John Buettner-Janusch
Dept. of Anthropology
Yale University
New Haven, Connecticut

Dr. Douglas K. Candland
Dept. of Psychology
Bucknell University
Lewisburg, Pennsylvania

Philip H. Clinis
173 Carver Street
Springfield 8, Mass.

Dr. Fogle C. Clark
Evansville State Hosp.
Evansville, Indiana

Dr. Thomas H. Clewe
Dept. of Obst. & Gynecol.
School of Medicine
Vanderbilt University
Nashville 5, Tennessee

Dr. Bennett J. Cohen
Office of Animal Care
Vivarium
UCLA Medical Center
Los Angeles 24, Calif.

Dr. Clarence R. Cole
Dept. of Veterinary Pathol.
The Ohio State University
Columbus 10, Ohio

Dr. Clinton H. Conway
Dept. of Zoology
University of Missouri
Columbia, Missouri

Dr. Frederick Coulston
Sterling-Winthrop Res Inst
Rensselaer, New York

Judith Crooks
Dept. of Psychology
Univ. of Pennsylvania
Philadelphia 4, Pa.

Dr. M. R. D'Amato
Dept. of Psychology
New York University

Dr. Jean B. Deinhardt
Dept. of Microbiology
Presbyterian-St. Luke's Hospital
Chicago 12, Illinois

Dr. James A. Dinsmoor
Dept. of Psychology
Indiana University
Bloomington, Indiana

Dr. Edward O. Dodson
Dept. of Biology
Faculty of Science
University of Ottawa
Ottawa 2, Canada

Dr. Robert W. Doty
Center for Brain Research
The Univ. of Rochester
River Campus Station
Rochester 20, New York

Dr. Robert H. Dufort
Dept. of Psychology
Wake Forest College
Winston-Salem, N. C.
Dr. H. A. Dymsza  
Dept. of Nutrition, Food  
Science & Technology  
Mass. Inst. of Tech.  
Cambridge, Mass.

Dr. Bernard T. Engel  
Cardiovascular Res. Inst.  
Univ. of Calif. Med. Center  
San Francisco 22, Calif.

Dr. E. S. Feenstra  
Dept. of Pathology  
The Upjohn Co.  
Kalamazoo, Michigan

Dr. Robert S. Feldman  
Dept. of Psychology  
Univ. of Massachusetts  
Amherst, Mass.

Dr. Frank W. Finger  
Psychological Laboratory  
University of Virginia  
Charlottesville, Virginia

Dr. Robert W. Fleischman  
Lab. of Perinatal Physiol.  
College of Pharmacy  
Columbia University  
New York 23, New York

Dr. Robert J. Flynn  
Argonne National Lab.  
Argonne, Illinois

Dr. Irene S. Forrest  
Biochemical Research Lab.  
M. P. Division, T-47  
Veterans Admin. Hospital  
Palo Alto, California

Dr. Ralph Forsyth  
Psychology Dept.  
The Langley Porter Clinic  
Univ. Calif. Med. Center  
San Francisco 22, Calif.

Dr. Charles P. Gandal  
New York Zoological Soc.  
The Zoological Park  
(Bronx Zoo)  
New York 60, New York

Dr. James L. Gargus  
Histology-Microbiology Dept  
Hazleton Laboratories, Inc.  
P. O. Box 30  
Falls Church, Virginia

Dr. Estelle H. Geller  
A. Einstein Coll of Medicine  
Eastchest. Rd-Morris Pk.Ave  
New York 61, New York

Dr. Mitchell Glickstein  
Dept. of Psychology  
University of Washington  
Seattle 5, Washington

Mr. Stanford Gluck  
Asiatic Animal Imports, Inc.  
P. O. Box 8125  
International Airport  
San Francisco 28, Calif.

Dr. C. E. Graham  
Research Laboratories  
The Wilson Laboratories  
4221 South Western Blvd.  
Chicago 9, Illinois

Dr. P. C. Green  
Inst Psychosomatic & Psychi- 
atric Research & Training  
Michael Reese Hospital &  
Medical Center  
Chicago 16, Illinois

Dr. Marvin Greenbaum  
Div. of Medical Psychology  
Univ. of Oregon Med. School  
Portland 1, Oregon

Dr. Henry J. deHaan  
178 Harlan Drive  
Oatsville, Pennsylvania

Dr. Harley M. Hanson  
Merck Institute for  
Therapeutic Research  
West Point, Pa.

Mr. Edalee Harwell  
Zoological Soc of San Diego  
P. O. Box 551  
San Diego 12, California

Dr. George A. Heise  
Dept. of Psychology  
Haverford College  
Haverford, Pa.

Dr. Richard Held  
Psychology Dept.  
Brandeis University  
Waltham 54, Mass.

Dr. Charles W. Hill  
Dept. of Psychology  
George Washington Univer.  
Washington, D. C.

Dr. Preston Holden  
Laboratory Aids Branch  
Division of Research Grants  
National Insts. of Health  
Bethesda 14, Maryland

Dr. Christian A. Hovde  
Dept. of Anatomy  
Medical Center  
Seton Hall Coll of Medicine  
and Dentistry  
Jersey City 4, New Jersey

Dr. H. F. Hsu  
Dept. of Hyg & Preventive  
Med  
College of Medicine  
State University of Iowa  
Iowa City, Iowa

Dr. Henry A. Imus  
U. S. Naval School of  
Aviation Medicine  
U. S. Naval Aviation  
Medical Center-54  
Pensacola, Florida
Dr. S. Y. Pan  
Pfizer Research Labs.  
Groton, Connecticut

Dr. J. M. Parker  
Charles E. Frosst & Co.  
P. O. Box 247  
Montreal 3, Canada

Dr. Robert A. Patton  
Dept. of Psychology  
Univ. of Pittsburgh  
Pittsburgh 13, Pa.

Mrs. Carolyn R. Payton  
Dept. of Psychology  
Howard University  
Washington 1, D. C.

Dr. V. J. Polidora  
Primate Laboratory  
Univ. of Wisconsin  
Madison, Wisconsin

Dr. Morris Povar  
Povar Animal Hospital  
15 First Street  
East Providence, R. I.

Harry Puisker  
Dept. of Psychology  
University of California  
Berkeley 4, California

Dr. George B. Rabb  
The Chicago Zoological Soc.  
Brookfield, Illinois

Dr. M. M. Rabstein  
Chm, Corps Biological Lab.  
U. S. Army, Fort Detrick  
Frederick, Maryland

Dr. David P. Rall  
National Cancer Institute  
National Insts. of Health  
Bethesda 14, Maryland

Dr. Sigurd Ramfjord  
School of Dentistry  
Univ. of Michigan  
Ann Arbor, Michigan

Dr. Evalyn S. Rechtschaffen  
Dept. of Psychology  
San Diego State College  
San Diego 15, California

Dr. Sigmund T. Rich  
Office of Animal Care  
Vivarium  
UCLA Medical Center  
Los Angeles 24, Calif.

Dr. Warren W. Roberts  
Psychological Res. Center  
Syracuse University  
Syracuse 10, New York

Mr. John M. Robinson  
Psychology Laboratory  
Boston University  
Boston, Mass.

Lt. Col. F. H. Rohles, Jr.  
Comparative Psych. Branch  
6571 Aeromedical Res. Lab.  
Holloman Air Force Base, New Mexico

Dr. I. S. Rossoff  
Box 333  
Taylorville, Illinois

Dr. Duane M. Rumbaugh  
San Diego State College  
San Diego 15, Calif.

Dr. L. T. Rutledge  
Physiology Dept.  
Univ. of Michigan  
Ann Arbor, Michigan

P. Sacra  
Frank W. Horner Limited  
P. O. Box 959  
Montreal 3, Canada

Dr. Paul H. Sammelwitz  
Agricultural Exper. Station  
University of Delaware  
Newark, Delaware

Dr. Jack Sandler  
Veterans Admin. Hospital  
Coral Gables, Florida

Dr. Carl L. Scheckel  
Psychopharmacology Section  
Department of Pharmacology  
Hoffmann-LaRoche, Inc.  
Nutley 10, New Jersey

Dr. R. J. Schusterman  
Yerkes Laboratories of  
Primate Biology  
Orange Park, Florida

Charles Scribner  
1138 W. Elsie St.  
Appleton, Wisconsin

Dr. Louis J. Serrano  
Office of Animal Care,  
Vivarium  
UCLA Medical Center  
Los Angeles 24, Calif.

Dr. Benjamin V. Siegel  
Univ. of Oregon Med School  
Portland 1, Oregon

Dr. Leonard Smucker  
Beatty Memorial Hospital  
Westville, Indiana

Dr. Roger W. Sperry  
Division of Biology  
Calif. Inst. of Tech.  
Pasadena, Calif.

Dr. William C. Stebbins  
Dept. Physiol. & Biophysics  
School of Medicine  
Univ. of Washington  
Seattle 5, Washington
Dr. Eliot Stellar
Inst. of Neurological Sci.
School of Medicine
Univ. of Pennsylvania
Philadelphia 4, Penn.

Dr. Graham M. Sterritt
Medical Center
Univ. of Colorado
Denver 20, Colorado

Dr. R. G. A. Stretch
Dept. of Psychology
Queen's Univ. of Belfast
7 Lennoxvale, Belfast 9
Northern Ireland

J. L. Svirbely
Robert A. Taft Sanitary
Engineering Center
4676 Columbia Parkway
Cincinnati 26, Ohio

Dr. James T. Tedeschi, Jr.
Dept. of Psychology
University of Miami
Coral Gables 46, Florida

Dr. Hans-Lukas Teuber
Psychology Section
Mass. Inst. of Tech.
Cambridge 39, Mass.

Dr. Del D. Thiessen
Dept. of Psychology
Univ. of California
Berkeley 4, Calif.

Dr. Clayton L. Thomas
Box 271
Palmer, Massachusetts

Dr. William D. Thompson
Dept. of Psychology
Baylor University
Waco, Texas

Dr. Colwyn Trevarthen
Division of Biology
Calif. Inst. of Tech.
Pasadena, Calif.

Dr. Earl Usdin
Inst. of Scientific Res.
New Mexico Highlands Univ.
Las Vegas, New Mexico

Dr. Robert L. Van Citters
Scripps Clinic & Res Fndtn
Inst. Cardiopulmonary Dis.
La Jolla, California

Dr. Daniel Weiner
Communicable Disease Center
Public Health Service
Atlanta 22, Georgia

Dr. Bernard Weiss
Dept. of Pharmacology
School of Medicine
Johns Hopkins Univ.
Baltimore 5, Maryland

Dr. Irving Weiss
Central Islip State Hosp.
Central Islip, New York

Dr. Albert Weissman
Medical Research Lab.
Chas. Pfizer & Co., Inc.
Groton, Connecticut

Dr. Elliot D. Weitzman
Dept. of Neurology
A. Einstein Coll of Med
Eastchester Rd-Morris Pk.Ave
New York 61, New York

Dr. Gerhard Werner
Dept. of Physiology
School of Medicine
Johns Hopkins Univ.
Baltimore 5, Maryland

Dr. Richard K. White
Orthopedic Research Assoc.
1622 Walnut Street
Allentown, Pa.

Dr. Benjamin T. Williams
Scripps
464 Prospect St.
La Jolla, Calif.

Dr. L. S. Woodburne
Dept. of Psychology
Univ. of Washington
Seattle 5, Washington

I. J. Wright
Research Center
Welex (Halliburton Co.)
P. O. Box 1658
Houston 1, Texas

Dr. Glen G. Wrigley
Merck Institute for
Therapeutic Research
West Point, Pa.

Dr. William C. Young
Dept. of Anatomy
University of Kansas
Lawrence, Kansas