

PSYCHOPHARMACOLOGY NEWSLETTER

(DIVISION 28 - THE AMERICAN PSYCHOLOGICAL ASSOCIATION)

FALL, 1979

THE VIEW FROM CONGRESS

Differences in the attitudes of members of Congress toward funding for research are sometimes striking. During debate on the restoration of \$3.5 million to National Science Foundation FY '80 appropriations for biological, behavioral and social science research, Senator Charles Mathias told the Senate, "...if ever there was a time to support basic and applied research such as is being done by the National Science Foundation, now is such a time.... This, of course, is the Foundation's mandate and it is estimated that NSF provides approximately 34% of all Federal support for basic research going to academic institutions.... Suffice it to say that we must continue our efforts in these areas."

In contrast, Representative Barbara Mikulski, a former social worker, expressed sentiment against an increase in basic research funding during House Commerce Committee hearings on a request for increased research funding for the National Institute on Alcohol Abuse and Alcoholism. She said, "...not one rummy has been taken off Baltimore streets by this research. Not one drunken husband has been dissuaded from beating his wife or one drunken mother from beating her child. These research projects are exotic, expensively mounted butterfly collections, hidden away in vaults and only exhumed from time to time to display to other collectors of the rare and unusual in mutual re-affirmation of their elite status."

These divergent views will undoubtedly impress members of Division 28 with the need for improved communication with public officials and an increased flow of information about the value and relevance of our research.

CONGRESSIONAL FELLOW PROGRAM

The American Psychological Association invites applications for its 1980-81 Congressional Science Fellowship Program. The Program provides an extraordinary opportunity for individuals to learn about science-government interaction and to make contributions to the more effective use of science in government. APA will select one Fellow to serve one year as a special legislative assistant on the staff of a Congressperson or a Congressional Committee. The Fellowship includes a stipend of \$20,000 plus nominal relocation and travel expenses.

Applicants must have obtained a Ph.D. in Psychology by the opening of the fellowship year (September 1, 1980), must demonstrate exceptional research ability and scientific expertise in any area of psychology, and must have a strong interest in using scientific knowledge toward the solution or prevention of societal problems. Mid-career psychologists and those on sabbatical are also encouraged to apply.

Interested individuals should submit:

(a) a detailed curriculum vitae; (b) a statement of 500 words or less explaining why you wish to become a Congressional Science Fellow and how the fellowship relates to your career goals; and (c) a list of names of three references who will write letters of recommendation on your behalf (the applicant is responsible for assuring that these letters are sent). The deadline for receipt of application materials by APA is February 18, 1980. Announcement of the award will be made by early April, 1980. Send application materials to Dr. Joann Horai, American Psychological Association, Congressional Science Fellowship Program, 1200 Seventeenth Street, N.W., Washington, D. C. 20036.

MINUTES OF ANNUAL BUSINESS MEETING
(SEPTEMBER 3, 1979, AT NEW YORK CITY)

The meeting was called to order by President Schuster at 4:05 p.m. in the Princess Suite of the Sheraton Centre Hotel. Approximately 25 members were present, more than the minimum of 15 required for a quorum.

President Schuster announced that the members of the Division had elected Herbert Barry III as President Elect 1979-1980 and Seymour Fisher as Member-at-Large of the Executive Committee 1979-1982.

Peter L. Carlton presented the Treasurer's report. Taking into account expected receipts and obligations, the current balance is approximately \$4,000. The Executive Committee two days before recommended contributions of \$100 to the Academic Coalition and \$500 to the Fund to Protect Scholars from Defamation. The members unanimously approved the Treasurer's report, including the two expenditures.

President Schuster introduced Maxine Stitzer, the newly appointed Treasurer (1979-1981), succeeding Carlton, who has resigned his membership in APA.

President Schuster announced that Donald A. Overton has been appointed to continue as Membership Chair 1979-1982. Overton listed the following seven new Fellows of APA nominated by Division 28.

Robert L. Balster
George E. Bigelow
Roland R. Griffiths
Frank A. Holloway, Jr.
Chris Ellyn Johanson
B. Paul H. Poschel
Robert L. Sprague

A list was circulated of 30 applicants as members, ten as associates, and one Fellow of APA (Laverne C. Johnson) who is proposed as a Fellow of Division 28. They were all unanimously approved.

President Schuster announced that Norman Krasnegor, Division 28 Representative to

the APA Council through the APA meeting 1981, will be away in Israel for the next year and that George Bigelow has been appointed as his replacement during that interim. Krasnegor announced the addition of two Divisions of APA (Psychoanalysis in Psychology and Clinical Neuropsychology), bringing the total to 40. The Council has shelved a proposal to require licensing of all psychologists.

George Bigelow, as Program Chair, stated that Division 28 had 28 program hours. An annoying problem was the change in the location of a number of rooms, announced in the Supplemental Program. President Schuster complimented, and the members applauded, the excellent job by Bigelow as Program Chair.

President Schuster announced the location of the Division 28 Hospitality Suite (Room 4001, Sheraton Centre), open from 5:00 p.m. to midnight each evening through Tuesday, with free drinks and snacks.

James H. Woods was introduced as the Division 28 Liaison with the Committee on Problems of Drug Dependence, which holds an annual meeting in June at which occur satellite meetings on reinforcing drug effects and discriminative drug stimuli. Woods announced that the Committee has a small research grant program and wishes to fund a couple of applications this year to study abuse liability of drugs.

President Schuster announced the nominations by the Executive Committee of Larry D. Byrd and John L. Falk for President-Elect 1980-1981 and of Marian W. Fischman and Lewis R. Gollub for Member-at-Large of the Executive Committee 1980-1983. No additional nomination for either position was made by the members at the meeting.

President Schuster announced that the Executive Committee has appointed David Leander as Program Chair for 1981, Maxine Stitzer as Treasurer for 1979-1981, and James W. McKearney as Secretary for 1979-1981.

In response to a suggestion by Overton,

Byrd said that he would include in the Division 28 Newsletter an invitation to members to volunteer for office in the future.

In response to a question about the Society of Psychologists Interested in Substance Abuse, President-Elect Joseph V. Brady said that he and Robert L. Balster, who will be Program Chair in 1980, would initiate contact with that group, which was meeting concurrently but had not applied to form a new Division of APA.

President Schuster announced that Lewis S. Seiden, as Professional Society Liaison, has informed him that the Federation of American Societies in Experimental Biology will meet for the next five years in states that have not ratified the Equal Rights Amendment. Schuster and President-Elect Brady have instructed him to investigate the possibility of a joint meeting with the American Society for Pharmacology and Experimental Therapeutics in August, as it is scheduled for the next several years in states that have ratified the Equal Rights Amendment. President Schuster added that an expression of interest in such a joint meeting should be sought from the Division 28 members before definite plans for it are made.

The meeting was adjourned at 4:40 p.m.

H. Barry III, Secretary

PROGRAM FOR 1980 APA MEETING

The American Psychological Association will hold its 1980 annual convention in Montreal, Canada, September 1-5. The official call for papers should appear in early December and the deadline for submissions will be January 20. Members of Division 28 as well as others interested in psychopharmacology are urged to begin planning for active participation in this meeting. Presentations from all areas of psychopharmacology and substance abuse (animal and human; basic and applied) are encouraged. Examples of areas appropriate for inclusion in

the Division 28 program are:

- Behavioral and Neuropharmacology
- Behavioral and Neurotoxicology
- Substance Abuse
- Stimulus Properties of Drugs
- Clinical Psychopharmacology
- Teaching of Psychopharmacology and Substance Abuse

You are encouraged to plan individual presentations on these and related topics. We plan to have poster sessions as well as formal slide presentations. Especially encouraged are suggestions for symposia or invited speakers. We will also be interested in symposia, discussions and workshops which can be co-sponsored with other divisions. These suggestions or other communications for the 1980 program should be transmitted to the program chairperson: Robert L. Balster, Department of Pharmacology, Medical College of Virginia, Richmond, Virginia 23298; phone: (804) 786-0299. Voyez vous a Montreal!

APA COUNCIL APPORTIONMENT

The apportionment ballot to be distributed to all APA members in November serves as a vehicle for determining the number of Council Representatives assigned to each APA Division, State Association or Coalition. Division 28 presently has only one vote in Council and even a slight decrease in apportionment votes could result in the loss of our seat. Last year, only 0.55% of the total APA vote was apportioned to Division 28, a dismal and record-setting low for the Division. The minimum voting level necessary for a division to have at least one representative is 0.50%, so it is obvious that we are precariously close to losing our one seat. Members of Division 28 are urged again to apportion as many of their votes as possible in support of the Division. We need more members assigning a majority, and preferably all ten, of their votes to Division 28. Please respond promptly and in support of psychopharmacology when your ballot arrives.

BEHAVIORAL TOXICOLOGY AT THE U.S. ENVIRONMENTAL PROTECTION AGENCY, RESEARCH TRIANGLE PARK, NORTH CAROLINA

The Division of Neurotoxicology was created to serve as a focal point for carrying out for the federal regulatory agencies a nation-wide multidisciplinary research program on the effects of toxic substances on central nervous system structure and function. The Division was created in response to the growing recognition that long-term, low-level exposure to an ever-increasing number of chemical and physical agents in the environment may produce adverse, if not devastating, behavioral and neurological effects. Funding for the program comes from both the EPA and the Food and Drug Administration.

Research within the Division is designed to: (1) develop methods to detect and quantify toxicity in rodents and primates, including man; (2) create a data base under standardized conditions on the behavioral and neurological consequences of exposure to a variety of chemical and physical toxicants; and (3) devise strategies for the estimation of the health consequences of exposure of the public to toxicants. Additional research is aimed at evaluating the effect of perinatal exposure to toxic substances on early development, and at elucidating the cellular and behavioral mechanisms by which toxic substances exert their action.

Behavioral research is carried out utilizing baselines of (1) naturalistic or ethological behavior, e.g. food and water intake, locomotor activity, sex and aggression, and (2) acquired behavior, e.g. behavior that requires extensive preliminary training and depends on reinforcement scheduling for recurrence.

Several behavioral scientists presently comprise the staff of the Division. Michael Gage is conducting experiments on the effects of microwave exposure on operant performance of rats as a function of ambient temperature, light-dark cycle and drugs such as *d*-amphetamine and pentobarbital. Increasing incident

power densities of microwave exposure produce progressive reductions in rates of food-reinforced responding, and these effects are potentiated by increasing ambient temperature. Research is also underway to develop a series of behavioral tasks for monkeys to be used in characterizing exposures to insecticides and rodenticides. Procedures are also being developed for assessing the impact of toxic substances in discriminated operant performance and on delayed spatial alternation of rats.

L. Earl Gray is investigating the effects of toxic substances on reproductive physiology and behavior, and on aggression in rats, mice and hamsters. The substances include manganese dichloride and the chlorinated hydrocarbon insecticides, kepone and endrin. He is also participating in a collaborative teratology study in which he is investigating the effects on locomotor activity following perinatal exposure of mice to a wide array of known and suspected teratogenic substances including vitamin A, toxaphene, caffeine and several of the chlorinated hydrocarbons.

Lawrence Reiter is carrying out investigations into the neurobehavioral consequences of exposure to toxic substances in adult and in developing rats. Tests include several measures of locomotor activity, nest-box seeking, measurements of stride and gait, and acoustic startle. Substances include inorganic lead, kepone, mirex, photomirex, decamethrin and triethyltin. With the aid of Golgi analysis, correlative data are being collected on the morphological changes induced by these treatments in the central nervous system.

David Eckerman is on loan from the Psychology Department at UNC-Chapel Hill and is conducting investigations into the effects of drugs and toxic substances on the spatial performance and memory of rats on the eight-arm radial maze of Olton. Substances include *d*-amphetamine, pentobarbital, several cholinergic agonists and antagonists, carbamate insecticides, and the rodenticide thallium. Experiments are also underway with

Michael Gage on schedule-controlled performance of primates, and with Robert MacPhail on radial-arm-maze performance in isogenic strains of mice.

In addition, MacPhail is interested in the effects of alkyl heavy metals, insecticides and drugs on schedule-controlled behavior in rats. Substances include triethyltin and triphenyltin, the carbamate insecticides Baygon and carbaryl, and d-amphetamine and amobarbital. Work is also underway on the effects of environmental pollutants, including triethyltin and ozone on conditioned-taste aversions in rats. In collaboration with Winford Gordon (Psychology, University of North Carolina), work is underway on the effects of cholinergic drugs and carbamate insecticides on rats' performance under the counting procedure of Mechner and with David Leander (Pharmacology, UNC-Chapel Hill) on the effects of the formamidin insecticide chlorethidolol on schedule-controlled behavior of rats and pigeons.

The Division of Neurotoxicology is a relatively new and growing research program of the federal regulatory agencies. The research staff welcomes inquiries regarding research procedures and techniques for determining the effects of toxic substances, and has available information regarding funding opportunities for intramural and extramural research.

(Robert C. MacPhail)

EDITORIAL CORRESPONDENCE

Material of interest to the membership of Division 28 should be forwarded for inclusion in the Newsletter to:

Dr. Larry D. Byrd, Editor
Yerkes Regional Primate Research
Center
Emory University
Atlanta, Georgia 30322

SOCIETY FOR STIMULUS PROPERTIES OF DRUGS

The Society for Stimulus Properties of Drugs (SSPD) was formed in 1978 to facilitate communication between investigators studying the stimulus properties of drugs. The next major SSPD meeting will be in Anaheim, California, on April 13, 1980, just prior to the FASEB meetings. The program will include reports of research on drug actions (1) as conditioned or unconditioned stimuli in classical conditioning procedures, (2) as discriminative stimuli in instrumental conditioning procedures, and (3) as contextual stimuli in state-dependent learning experiments. Members and non-members may participate in the Society's meetings. For information on membership, contact Dr. Edward Krimmer, Secretary, SSPD, Department of Pharmacology, School of Pharmacy, University of Pittsburgh, Pittsburgh, Pennsylvania 15261.

BEHAVIORAL NEUROPHARMACOLOGIST OR NEUROBIOLOGIST SOUGHT

The Department of Psychology, University of Maryland, invites applications from qualified individuals for an appointment as Senior Assistant, Associate or Full Professor to start late August, 1980. Requirements include appropriate training and experience in teaching and research, the latter demonstrated by scientific productivity in the areas of analysis of behavior, neurochemistry, neuroendocrinology, neuropharmacology or psychopharmacology. Preference will be given to candidates with reasonably broad interests and skills within these areas. Proven ability to obtain research grant support for such work is essential. Applicants should send their curriculum vitae, a selection of representative reprints of their work, a brief description of their future research plans and the names and addresses of three references by November 16, 1979, to: Dr. Lewis R. Gollub, Department of Psychology, University of Maryland, College Park, Maryland 20742. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

FELLOWS, DIVISION 28

Appel, James B.	Kornetsky, Conan
Balagura, Saul	Krasnegor, Norman A.
Balster, Robert L.	Krech, David
Barry, Herbert III	Lacey, John I.
Beer, Bernard	Laties, Victor G.
Bigelow, George E.	Leaf, Russell C.
Boren, John J.	Malmo, Robert B.
Brady, Joseph V.	Mello, Nancy K.
Byrd, Larry Donald	Miller, Neal E.
Campbell, Byron A.	Mirsky, Allan F.
Canter, Arthur	Moyer, Kenneth E.
Carlton, Peter Lynn	Overton, Donald A.
Catania, A. Charles	Pickens, Roy Wilson
Clark, Fogle C.	Poschel, B. Paul H.
Cook, Leonard	Raskin, Allen
Daniel, Robert S.	Ray, Oakley S.
Davidson, Arnold B.	Rosenzweig, Mark R.
Eichelman, Burr S.	Ross, Sherman
Evans, Wayne O.	Rubin, Leonard S.
Falk, John L.	Russell, Roger Wolcott
Ferraro, Douglas Peter	Schuster, Charles R.
Ferster, C. B.	Seiden, Lewis S.
Fischman, Marian W.	Sepinwall, Jerry
Fisher, Seymour	Siegel, Shepard
Freed, Earl X.	Skinner, B. F.
Geller, Irving	Smith, Gene M.
Gollub, Lewis R.	Sprague, Robert L.
Griffiths, Roland R.	Steiner, Solomon S.
Grossman, Sebastian Peter	Stone, George C.
Harvey, John A.	Teitelbaum, Philip
Hearst, Eliot S.	Thompson, Travis
Heise, George A.	Valenstein, Elliot S.
Holloway, Frank A., Jr.	Wayner, Matthew J.
Holz, William C.	Weinstein, Sidney
Hutchinson, Ronald R.	Weiss, Bernard
Jarvik, Murray E.	Wertheim, George A.
Johanson, Chris Ellyn	Wittenborn, J. Richard
Justesen, Don R.	Wolff, B. Berthold
Kenshalo, Daniel R.	Woods, James H.
Kline, Nathan S.	Zubin, Joseph

PAST-PRESIDENTS, DIVISION 28

Murray E. Jarvik (1966-1968)	George A. Heise (1973-1974)
Victor G. Laties (1968-1969)	Travis Thompson (1974-1975)
John J. Boren (1969-1970)	Peter L. Carlton (1975-1977)
Larry Stein (1970-1971)	Charles R. Schuster (1977-1979)
Bernard Weiss (1971-1972)	Joseph V. Brady (1979-1980)
Leonard Cook (1972-1973)	Herbert Barry III (1980-1981)

NOMINATION BALLOT

The Executive Committee of Division 28 requests nominations for several offices within the Division. The offices to be filled appear below. Please enter the names of nominees in the space provided for each office and return the form to:

Joseph V. Brady
President, Division 28
Dept. of Psychiatry & Behavioral Sciences
Division of Behavioral Biology
Johns Hopkins University School of Medicine
Traylor Building
720 Rutland Avenue
Baltimore, Maryland 21205

In the case of the offices of President-Elect and Member-at-Large, the names of those nominated by the Executive Committee are included. You can indicate which of the two nominees you prefer or you can write in the name of another Fellow you wish to nominate. Included on Page 6 of the Newsletter is a listing of the present Fellows of Division 28 and those who have served as Presidents of the Division.

President-Elect:
(1980-81)

Larry D. Byrd

John L. Falk

Member-at-Large:
(1980-83)

Marian W. Fischman

Lewis R. Gollub

Program Chairperson:
(for '82 meeting)

If you are interested in holding office or serving Division 28 in some capacity, please indicate below or in a separate mailing to the President.

Office: _____

Name: _____

