

psychopharmacology
division 28
newsletter

FROM THE PRESIDENT
by Travis Thompson

The American Psychological Association has recognized the need to solicit more actively the participation of students in Association activities. APA Division 25, Experimental Analysis of Behavior, has provided exemplary leadership in this regard, providing for student membership status and for two student members on the Executive Committee, both with voting privileges. In the proposed Division 28 by-laws (enclosed) on which you will vote, we are recommending the establishment of student membership status in Division 28. It is proposed that such members must be graduate students majoring in psychology and fulfill the other requirements listed by A.P.A.

In an effort to make student membership something other than a token gesture, we have also suggested that one student member, with voting status, be elected to the Executive Committee of Division 28. Moreover, I am urging that consideration be given to establishing student paper sessions at the annual meeting. Such paper sessions need not be in lieu of authoring or co-authoring papers at the larger convention, but would provide students with an opportunity to present their findings in a slightly less formal atmosphere than the major paper sessions; these sessions would also set the occasion for rubbing elbows with peers and fellow professionals. In this day and age of limited job opportunities it may also provide a mechanism for early job hunting which might otherwise not present itself.

I can think of no better way for students to become enculturated with the attitudes and professional behaviors expected of members of their profession than by attending and

giving papers, participating in Division business, and increasing their contact with an array of investigators in the field of psychopharmacology.

I encourage you to think over carefully the question of student membership, to discuss the proposal with colleagues and students, and then to cast your vote. Votes must be in by January 31. Remember: two-thirds of those voting must support an amendment for it to become part of the by-laws.

REPORT OF THE BY-LAWS COMMITTEE

The By-Laws Committee, composed of Travis Thompson, George Heise, and Roy Pickens, have met and discussed proposed changes in the by-laws. If those changes are to be accepted and to go into effect before the 1975 meeting, a two-thirds vote by mail ballot (enclosed) must be obtained. We therefore solicit your indulgence in reading the proposed by-laws, and request that you return the ballot no later than January 31, 1975.

You will note that there is a slate of officers and their terms through December 30, 1977. If the proposed by-law changes are approved (and we urge you that you do accept them), these officers and terms will also have been approved. The primary changes in the by-laws are as follows:

- (1) Terms of Officers:
 - a) Term of President will be two years rather than one;
 - b) Term of Secretary will be three years rather than one;
 - c) Term of Treasurer will be two years rather than one;
 - d) Term of Representative(s) to Council will be two years rather than one;
- (2) Additional Officers:
 - a) Membership Chairperson: to

be elected by a majority of the Executive Committee, for a term of two years;

b) Newsletter Editor: to be elected by a majority of the Executive Committee for a three-year term.

(3) Composition of Executive Committee:

a) Voting: President, Past-President, President-Elect, Secretary, Treasurer, APA Council Representative(s), Membership Chairperson, Program Chairperson, Newsletter Editor, Student Member

b) Non-Voting: Past-Program Chairperson, Program Chair-

person-Elect, APA Council Representative (Alternate), ASPET-Division 28 Liason Representative

(4) Fellow status would be required of all members of the Executive Committee except Council Representative and Student Member.

(5) Student member status: A student member status has been added (dues to be set at a reduced level by the Executive Committee at the 1975 meeting). Student members would participate as voting members in all Division affairs.

SLATE OF OFFICERS

	<u>Currently Elected</u>		<u>Proposed</u>	
	January 1, 1975-- December 30, 1975		January 1, 1976-- December 30, 1976	January 1, 1977-- December 30, 1977
A. <u>Voting</u>				
Past-President	G. Heise	T. Thompson	none	
President	T. Thompson	P. Carlton	P. Carlton	
President-Elect	P. Carlton	none	elected (M)	
Secretary	R. Pickens	R. Pickens	elected (M)	
Treasurer	P. Carlton	nominees elected (M)	→	
APA Council Representative	H. Barry	nominees elected (M)	→	
Newsletter Editor	T. Thompson	elected (E)	→	
Student Representative	none	none		nominees elected (SM)
Membership Chairperson	B. Beer	B. Beer		elected (E)
Program Chairperson	D. Overton	R. Leaf		
B. <u>Non-Voting</u>				
Past-Program Chairperson	I. Geller	D. Overton		R. Leaf
Program Chairperson-Elect	R. Leaf	elected (E)	↗	elected (E)
APA Council Representative (Alt.)	V. Laties	elected (E)	→	
ASPET--Div. 28 Liason Representative	B. Weiss	B. Weiss		elected (E)

M: Elected by Division 28 members
 E: Elected by Division 28 Executive Committee
 SM: Elected by Division 28 student members

WHAT'S HAPPENING AT...

THE DRUG PROJECT
UNIVERSITY OF FLORIDA
contributed by Henry Boudin

The Drug Project in Gainesville, Florida, is looking forward to expanding its services three-fold in 1975, according to Dr. Henry Boudin, Director. The expansion, from 20 to 60 clients, is dependent upon an anticipated three-year grant from the National Institute on Drug Abuse.

The projected expansion of the project will test three methods of treatment: (1) 20 clients will be in its regular contingency-contract program; (2) 20 clients will be in a guided group-management group, in which group members will create and monitor contracts, providing group reinforcement methods and group contingencies; and (3) 20 clients will have a combination of individual contingency contracts and group psychotherapy.

"Contingency contracting" is the basic structure of the Drug Project's treatment program, although this is supplemented with a wide variety of other techniques that appear appropriate for the individual. The contracts set out certain responsibilities, consequences if these responsibilities are not carried out, and a series of privileges and bonuses for positive reinforcement.

While the program is non-residential, the typical client has 50 "contact points" with the project each week. These include five or six phone calls each day, two or three managerial appointments each week, one or two therapy sessions a month, four monitored urine checks each week, and spot checks upon the client's location and activities. This structure permits referrals from the courts when judges want close supervision of the offenders. Sixty percent of the clients have been incarcerated prior to entering the project.

CHILDREN'S RESEARCH CENTER
UNIVERSITY OF ILLINOIS
AT URBANA-CHAMPAIGN
contributed by Robert L. Sprague

The fifth year of the pediatric psychopharmacology research project sponsored by NIMH is beginning under the direction of Dr. Robert L. Sprague. During the past four years, the project has focussed primarily on the exploration of effects of stimulant medication upon hyperactive/minimally brain-damaged outpatient children from neighboring communities, with emphasis on dose-effect relationships on different target behaviors.

Considerable emphasis has been placed upon developing standardized procedures for diagnosing hyperactive children. A rating scale developed by Conners for use with teachers has been standardized on about 300 children in the United States and 400 children in a cooperating New Zealand laboratory. The abbreviated scale (10 items of the original 39 Conners items) has repeatedly been shown to be sensitive to drug and dosage manipulation; e.g., as little as a 0.10 or 0.20 mg/kg change in the dose of methylphenidate can be readily detected by the child's teacher in double-blind studies.

Numerous measures are taken on the child during the course of the study, but learning performance is emphasized; e.g., a short-term memory task and the Continuous Performance Test have been consistently used. An inverted U-shaped dose-response curve is reliably obtained from these measures, and it has been repeatedly demonstrated that methylphenidate at a dose of 0.30 mg/kg leads to the peak enhancement of learning performance.

After an initial participation of two to three months, all children are followed on a long-term basis looking for data on the natural history of hyperactivity, outcome with and without treatment, and long-term side effects of medication. Careful height and

weight measurements and cardiovascular measurements are made under standard conditions of limited exercise. No effect on height and weight was found when medicated children were compared to matched normals. Significant increases in heart rate and blood pressure were noted at the higher dosages employed (0.60 mg/kg), although these dosages are considerably below the recommended dose of 2.00 mg/kg. From these data, it is quite clear that the clinical titration method is resulting in much higher dosages for children than are needed to control hyperactivity and to produce the optimal learning enhancement.

A gas chromatographic mass spectrometry technique has been developed to detect methylphenidate in blood and urine at levels as low as 10 mg/ml. The comparison of the urine level of pronounced clinical responders who are receiving stimulant medication to clinical failures is planned, to determine whether there are differences in blood levels.

In addition, several studies have been conducted with the institutionalized retarded child who typically received large amounts of phenothiazine medication. Recent studies of behavior modification, psychotropic drugs, and their combination clearly indicate that behavior modification in the short run is a much more effective technique.

UNIVERSITY OF MICHIGAN
contributed by Jim Woods

The University is a large place, and it's difficult to know for sure all of what is going on in psychopharmacology in its nooks and crannies. So for our purposes, we will tell you what is going on in the laboratory we have been associated with for a number of years in the Pharmacology Department. The lab just fostered a new Ph.D. in Pharmacology, Rick Tessel (who has a Master's in Psychology), and he

has left Ann Arbor for Denver, where he is taking a post-doctoral fellowship with Charles Rutledge in Pharmacology. Rick's thesis evaluated the effects of fenfluramine congeners, both on a number of behavioral situations, and on the quinea nig atrial-strip preparation. He is now studying the actions of these congeners upon release of neurotransmitters from rat brain tissue. Another aspiring pharmacologist, John Carney, is charging full speed ahead on a thesis in which the focus of his work is the effects of various narcotics and their antagonists upon narcotic- and food-reinforced responding. John has found that he can selectively change narcotic-reinforced responding with either narcotics or their antagonists. He is hastily-- everything John does is with vigor-- pursuing the conditions for such selective behavioral actions.

During the last couple of years, we have been most fortunate in being able to act as a way-station for two Canadian students. Both of the students reside in Toronto, took their earlier schooling at the University of Toronto, and have been associated with and are being supported by fellowships from the Addiction Research Foundation of Ontario. Mark Llewellyn is finishing up a study of cocaine dose preference in the rhesus monkey; it is a sequel to the study recently reported in JEAB by Carol Iglauer (one of the seasoned Ph.D.'s from the lab). The other student, Seymore Herling, is studying drug effects upon second-order schedules of food or cocaine-reinforced responding. He finds, for example, that intramuscular cocaine pretreatments affect food- and intravenous-cocaine-reinforced responding in much the same way, and with equivalent sensitivities. David Downs joined the lab as a post-doctoral fellow after doing a Ph.D. thesis with Neil Schneiderman at the University of Miami. Some of Dave's interests were and are in the aversive control of behavior, so it was a natural for him to study escape and avoidance of naloxone

in narcotic-dependent monkeys (to be reported soon, we hope, in JEAB). He is also finishing up an extensive experiment on drug interactions among naloxone, morphine, and pentazocine upon FI-FR responding in rhesus monkeys and pigeons.

I have been studying FR escape schedules using intravenous naloxone, and I continue to be amazed by how strongly the behavior is maintained: Under optimal conditions, FR-30 responding is maintained at rates which often exceed 2 resp/sec. My interests at present are in the pharmacological conditions necessary to enhance the monkey's sensitivity to naloxone, since we have found that it is not necessary to give morphine to get escape from naloxone.

 * WANT ADS *
 * Send any Position Available or Position Desired ads to be included in the next Newsletter to:
 *
 * Mary Rice *
 * Psychiatry Research Unit *
 * Box 392 Mayo *
 * University of Minnesota *
 * Minneapolis, Minnesota 55455 *

DIVISION 28 HAS JOINED AAP
 contributed by Victor G. Laties

Division 28 has joined the Association for the Advancement of Psychology. The Executive Board, at its meeting on September 1, 1974, approved the \$100 dues payment and, in addition, decided to contribute another \$100. The Division thus joins the many APA divisions and other psychological societies who are actively supporting AAP. For instance, in recent months Division 3 (the Division of Experimental Psychology), Division 9 (the Society for the Psychological Study of Social Issues), and the Psychonomic Society have, among others, joined AAP.

The new organization was established in January, 1974, through a vote of the Council of Representatives of the American Psychological Association, after APA had determined that there was a real need for an organization that would represent both the science of psychology and the profession of psychology in the national public policy arena.

APA's status as a tax-exempt organization prohibits its participation in direct lobbying. AAP, on the other hand, has a different type of exempt status, and has thus launched into intensive activity on the Washington scene. It already has several victories to its credit. For instance, it has lobbied long, hard, and successfully for the reinstatement of training grants. In addition, it was successful in getting a distinction between biomedical and behavioral research built into the human subjects act and into several mental health support acts.

Individual psychologists can join for \$25 per year. Over 2000 have already done so; if you wish to join them, send your check to:

The Association for the Advancement
 of Psychology
 Suite 105
 1200 17th St., N.W.
 Washington, D.C. 20036

 * 1975 APA PROGRAM *
 * CHICAGO MEETING *
 *
 * The 1975 meetings of the American Psychological Association will be held in Chicago. The formally scheduled program will consist of papers, symposia, and invited lectures. Your abstracts and suggestions are solicited.
 *
 * ERRATUM: The formal call for papers contains an error, as it indicates that symposia are not requested and discussion proposals *

are suggested. The reverse is true--symposium proposals will be accepted by Division 28 this year. Abstracts for submitted papers may be 800-1800 words in length.

This year Division 28 will run an "informal" series of activities in the Division suite in addition to the formal scheduled program. This informal program will consist of topical discussion hours, paper sessions and cocktail hours.

Topical discussion hours are intended to function somewhat as workshops. Essentially the room will be set aside for a period of 1 to 3 hours for discussion of some particular research area. One person will be designated as host but is not expected to do more than maintain order. In order to set up these discussion hours, we have to identify areas of interest in which such a discussion period would be helpful. Please send suggestions for discussion topics, and an indication of whether you are willing to act as host, to Dr. Donald A. Overton, Eastern Pennsylvania Psychiatric Institute, Henry Avenue and Abbottsford Road, Philadelphia, Pennsylvania 19129.

Informal paper sessions are designed for those who have serious work to report but do not wish to submit it formally. To present an informal paper, you should submit a short abstract which will be reviewed. Deadline is July 1. Conspicuously label the abstract as being for an "INFORMAL PAPER."

Topical discussion hours and informal paper sessions will not be listed in the formal APA program, but will be announced in a subsequent issue of the Newsletter.

NIDA RESEARCH GRANTS AWARDED IN 1974
RELEVANT TO PSYCHOPHARMACOLOGY
contributed by Norm Krasnegor

Conference: Schedule-controlled drug-taking behavior (DA 00980-01)
Roger T. Kelleher
Harvard Medical School

Effects of Δ^9 THC on behavioral development (DA/HD 00896-01)
Joel N. Kaplan
Stanford Research Institute

Morphine and the medial forebrain bundle system (DA 01049-01)
Larry Reid
Bradley University

Pharmacology of narcotics and narcotic antagonists (DA 01015-01)
James McKearney
Worcester Federation for Experimental Biology, Inc.

Temporal parameters of stimulant drug reinforcement (DA 01046-01)
Lewis Gollub
University of Maryland

Behavior therapy and naltrexone for narcotic addiction (DA 01059-01)
Edward J. Callahan
University of California

Abused drugs, social behavior and social environment (DA 00092-04)
Thomas Crowley
University of Colorado

Treatment of narcotic addiction by inhibition of craving (DA 00995-01)
Joseph Wolpe
Temple University

Experimental alteration of sedative/stimulant abuse (DA 01022-01)
Roland Griffiths
Baltimore City Hospital

Pharmacodynamics of stimulant self-administration (DA 01002-01)
Arthur H. Kibbe
University of Mississippi

 * CALL FOR PAPERS *
 * THE MIDWEST ANALYSIS *
 * OF BEHAVIOR ASSOCIATION *

Research papers, workshops and symposia in experimental and applied behavior analysis are now being solicited for the first annual meeting of the Midwest Analysis of Behavior Association, to be conducted May 1-3, 1975, at the Blackstone Hotel, Chicago. Send a 300-word abstract to:

Dr. Neil D. Kent
 Department of Psychology
 Western Michigan University
 Kalamazoo, Michigan 49001

 * RECENT PUBLICATIONS *
 * IN PSYCHOPHARMACOLOGY *

Abel, E.L. Drugs and Behavior: A Primer in Neuropsychopharmacology. Somerset, N.J.: Wiley-Interscience, 1974.

Charalampous, K.D., Lynn, E.J., Whitlock, F.A., et al. Amphetamines: Medical and Psychological Studies. New York: MSS Information Corporation, 1974.

Cohen, C.P., Robinson, S., Smart, R.G., et al. Psychotherapy and Drug Addiction I: Diagnosis and Treatment. New York: MSS Information Corporation, 1974.

Cole, J.D., Freedman, A.M., and Friedhoff, A. (Eds.). Psychopathology and Psychopharmacology. Baltimore: Johns Hopkins University Press, 1973.

Dews, P.B., Rossi, A.V., Hughes, J.E., et al. Marijuana: Biochemical, Physiological, and Pathological Effects. New York: MSS Information Corporation, 1974.

Garber, R.S., Rosenthal, M.S., Silverman, I., et al. Psychotherapy and Drug Addiction, II. New York: MSS Information Corporation, 1974.

Gibbins, R.J., Israel, Y., Kalant, H., Popham, R.E., Schmidt, W., and Smart, R.G. (Eds.). Research Advances in Alcohol and Drug Problems. Somerset, N.J.: Wiley-Interscience, 1974.

Leavitt, F. Drugs and Behavior. Philadelphia: W.B. Saunders Company, 1974.

McMillan, D.E. Central Nervous System Pharmacology: A Self-Instruction Text. Boston: Little, Brown, and Company, 1974.

Rosenthal, M.S. Drug Use in America: Problem in Perspective--Second Report of the National Commission on Marijuana and Drug Abuse. New York: MSS Information Corporation, 1974.

Valselli, L. Psychopharmacology. Somerset, N.J.: Wiley-Interscience, 1973.

 * CALL FOR NOMINATIONS *

Please send nominations for the 1976 offices of Treasurer and Council Representative to:

Roy Pickens, Secretary
 Box 392 Mayo
 University of Minnesota
 Minneapolis, Minnesota 55455

 * MINUTES *

Executive Committee Meeting
 September 1, 1974
 New Orleans, La.

Members present: Irv Geller, George Heise, Vic Laties, Don Overton, Roy Pickens, Travis Thompson

1. Minutes of the previous Executive Committee meeting in Atlantic City were approved.
2. The Treasurer's Report showed a balance on hand of \$4,680.45 on December 31, 1973. Since that time the Division has received \$200 in

Corporate Affiliate dues, \$2,228 in member dues, and \$1,379 in registration fees returned from the spring FASEB meeting, for total receipts of \$3,807. We have paid out \$546.04 for operating costs and \$25 for APA liability insurance, for total expenditures of \$571.04. Balance on hand as of August 25, 1974, was \$7,916.41.

The Corporate Affiliate mailing will go out in late September, from which we can expect to receive about \$2,000 by November. Also, membership dues can be expected to add about \$2,400 to the treasury over the coming year.

3. Irv Geller reported the Division had 14 hours of program at this year's APA meeting. Of 30 papers submitted, 23 were accepted; of 3 symposia submitted, 2 were accepted; and of 1 workshop submitted, none was accepted. The program also included two invited addresses (Goodwin and Barry), a dinner for participants and past and present members of the Executive Committee, and a hospitality suite open Saturday, Sunday, and Monday evenings.

Geller suggested the Division should ask for 16 hours next year, and participants should be encouraged to show only high-quality slides. The possibility of a suite for divisional activities at next year's APA meeting was also discussed.

4. The Membership Committee reported 72 new members, 16 new associate members, and 4 new fellows. The new fellows are Saul Balagura, Larry D. Byrd, Muriel H. Stern, and Matthew J. Wayner.
5. The APA Council voted to increase dues by \$2 next year, and is currently seeking a replacement for Kenneth Little, who recently resigned as Executive Officer.

Vic Laties described changes in format of APA journals, and suggested that Garth Thomas, new editor of JCPP, be contacted in an attempt to gain more acceptance of psychopharmacological studies. T. Thompson will contact Thomas on this matter.

6. Roy Pickens reported the President-Elect for 1975-1976 to be Peter Carlton and Program Chairman for 1974-1975 to be Don Overton. Herb Barry was appointed as divisional representative to APA Council for 1974-1975. Travis Thompson will be President for 1974-1975.

A By-Law Revision Committee (G. Heise, T. Thompson, and R. Pickens) was formed to suggest changes in membership of the Executive Committee, including duration and staggering of offices for election.

7. Vic Laties reported that the 400-page manuscript of the FASEB symposium on "Current Status of Behavioral Psychopharmacology" was sent to the publisher-editor on July 10, 1974. Publication is expected in April. It was agreed that the volume should be readily available to all members of the Division. It would cost the Division about \$1,700 plus the \$1,300 in returned registration fees from the FASEB meeting (total \$3,000) to purchase 1,500 copies of the Symposium proceedings for free distribution to all Division members. Roy Pickens will poll all members of the Executive Committee for approval of this plan.

It was suggested that the Division meet jointly with ASPET once every four years, when the biochemists are not meeting with FASEB. Another "current status" symposium should be held at that time and planning for such should begin soon.

8. Len Cook and Roy Pickens will survey colleges and universities

offering formal didactic training in psychopharmacology. This information will be compiled and then made available by the Division to persons interested in training in the field. If possible, the listing will also be published in the American Psychologist.

9. Travis Thompson reported that the item "What's Happening At..." has received the most favorable comment in the Newsletter. Funds were approved for Thompson to hire a half-time work-study student to assist in preparation of the issues.

10. A contribution of \$100 for corporate membership and \$100 in additional funds was approved for the Association for the Advancement of Psychology. P. Carlton will check first, however, to determine if the legal status of the Division permits this to be done. If permissible, the contribution will be accompanied by a letter from the President (T. Thompson) indicating the Division's wish to cooperate and be active in the affairs of AAP and to be kept informed of their progress in the area.

Members of the Division should be encouraged to join AAP.

11. Travis Thompson reported that the Professional Policy Committee had met on August 31, 1974, with Norm Krasnegor from NIDA. Krasnegor wants professional advice from the Division on funding priorities, grant versus contract support, etc. In return, he will keep us informed

on new funding, drug re-scheduling, etc. It was agreed that the Professional Policy Committee would work with NIDA for one year on a trial basis, with the possibility of a continuing relationship after that time if our input is accepted.

It was also suggested to approach NIMH offering similar help to the Psychopharmacology Study Section.

Roy Pickens
Secretary

* SURVEY OF AVAILABILITY OF TRAINING *
* IN PSYCHOPHARMACOLOGY *
* Division 28 is compiling a listing *
* of psychology departments that offer *
* formal training in psychopharmacol- *
* ogy. The listing will be made *
* available to students desiring to *
* specialize in psychopharmacology. *
* If your department presently offers *
* any courses (graduate or undergradu- *
* ate) dealing directly with psycho- *
* pharmacology, we would appreciate *
* receiving this information for in- *
* clusion in the listing. Send *
* information to: *
* Roy Pickens, Secretary *
* Box 392 Mayo *
* University of Minnesota *
* Minneapolis, Minnesota 55455 *

Travis Thompson, Ph.D., Editor
Carol Iglauer, Ph.D., Assistant Editor
Mary Rice, Assistant Editor

Box 392 Mayo
University of Minnesota
Minneapolis, Minnesota 55455

BY-LAWS BALLOT

1. Do you approve the by-laws concerning the terms of office? Yes No
2. Do you approve the by-law concerning student member status and concerning a student on the Executive Committee? Yes No

Return ballot by January 31, 1975, to Roy Pickens, Secretary, Box 392 Mayo, University of Minnesota, Minneapolis, Minnesota 55455.



DR VICTOR G LATIES
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