

# PSYCHOPHARMACOLOGY

## *And Substance Abuse Newsletter*

Division 28 - American Psychological Association

Fall 1995

Volume 28, No. 3



## From the President's Desk ...

**Stephen C. Fowler, Ph.D.**  
President, Division 28

### History of the President's Column

As I prepared to write the first of my four President's columns for this newsletter, I tried to recall when this "tradition" started. In looking through prior issues of the Newsletter, I discovered that Lynda Dykstra ('88-'89) initiated this practice, with the first essay appearing in the Fall '88 issue (Volume 21, No. 3). Division presidents Robert Balster, Klaus Miczek, Ron Wood, Maxine Stitzer, Lew Seiden, and John Grabowski dutifully and sometimes entertainingly continued this practice. It is now my pleasure and obligation to pen the 29th such column.

### Thanks to the Electorate

I want to thank my colleagues across the country for voting for me and to express my sincere intention to carry out my duties in a way consistent with the high standards set by my predecessors. Through frequent communications with Past-president, John Grabowski, President-elect, Marlyne Kilbey, and Council Representative, Alice Young (3-yr term), I hope to maintain continuity in the Division's affairs.

### The Apportionment Ballot

When the apportionment ballot arrives in November, please give all 10 of your votes

to Division 28. As one of the small divisions perilously close to losing our Council Representative, we need every vote that we can garner. Several years ago (Psychopharm. Newsletter, Vol 23, no. 3, Fall, 1990) I reported on an analysis of Division 28 Apportionment balloting over an 8-year period. The results clearly showed that about 100 individuals cast all 10 of their votes for the division, and these 100 members accounted for more than half of the votes received by Division 28. So, please, if you read this column, cast all 10 of your votes for Division 28. For APA as a whole, interest in psychopharmacological agents and prescription privileges continues to grow. Therefore, more than ever before, the interests of APA and the public will be well served by having a voice on Council capable of addressing psychopharmacology training issues from a scientist's perspective. Alice Young is extraordinarily well equipped to provide the

needed input on the floor of Council where APA policy is made. Her voice as our Representative will not be heard if the Division's proportion of votes falls below the 0.50% threshold for seating a council member.

### The '96 Convention in Toronto

The '96 convention will, on a 1-year trial basis, concentrate the activities of 8 "core" science divisions (including Division 28, of course) into a three-day period: Sunday-Tuesday. Scheduling program events in this way will permit a Saturday arrival (lower air fares) and a shortened, money-saving stay. Continuation of this format for subsequent years will depend on the degree of participation in the Toronto convention. When the call for papers arrives please submit some of your work; greater participation will mean a richer science meeting for all. Now is the time for planning symposia so that the speakers will have been identified by the submission deadline in early December, 1995. Kimberly Kirby will be our program chair for the Toronto meeting. Look for the call for papers in the Monitor. Please try to remember, too, that when you register for the

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## President's Letter (cont'd)

convention specify Division 28 as your primary division. Data compiled from this response on the convention registration form dictate the number of programming hours allocated to each division.

### Science Directorate Grant to Division 28

At the Division 28 Executive Committee Meeting APA Science Directorate Staff (Bill Howell, Christine Hartel, Virginia Holt et al.) announced a grant of \$5,000 to Division 28 to assist in the continued development of a World Wide Web divisional demonstration project. Ron Wood, former Division 28 President, will be the project director. I would like to thank Bob Balster (also a former Division 28 President and now a member of the APA Board of Scientific Affairs) for his leadership in making this grant a reality. Of course, Ron Wood's generosity with his considerable computer expertise and communications skills has been one of the Division's most important resources.

### Highlights of the '95 Convention

Suzette Evans did a masterful job as program chair. We all owe her a sincere "thank you" for performing one of the Division's most difficult and time-consuming tasks. From my perspective, the awareness of psychopharmacology issues was at an all time high at the '95 convention. Division 28 offered its usual array of symposia, addresses by distinguished research psycho-pharmacologist (e.g., Lew Seiden received the Solvay Duphar award and described the behavioral effects of antidepressant drugs; Jim Barrett spoke on the historical determinants of drug effects), and workshops (Marlyne Kilbey, Maxine Stitzer and Dorothy Hatsukami on smoking cessation; Carolyn Mazure on recent advances in pharmacotherapy for adults). But in addition to these activities, psycho-pharmacology was a prominent topic as several sessions were devoted to the Department of Defense Psychopharmacology Demonstration Project

(DODDPP), which provides post-doctoral clinical psychopharmacology training for psychologists. The DODDPP, in my opinion, will surely have a major impact on the development of clinical psychopharmacology training models outside of the military.

These are interesting times for Division 28, and I am pleased to be a participant.

### Minutes of the Division 28 Business Meeting

Recorded by Steve Fowler

The meeting was called to order by President John Grabowski at 5:10 pm, August 12, 1995, in the Marriott Marquis Hotel, NYC.

1. John Grabowski reported on the Executive Committee meeting held on the evening of August 10, 1995. The participation of Science Directorate representatives, including Dr. Bill Howell, Executive Director for Science, was noted.

2. As part of continuing business, Marlyne Kilbey reported on the work of her APA task force on Level 1 Psychopharmacology Training. She described a written report which outlined 8 modules of substantive subject matter in Psychopharmacology. Several members of Division 28 provided information for this Model Curriculum.

3. Dorothy Hatsukami, the Division's liaison to the College on Problems of Drug Dependence, reported on the educational and policy-setting activities of CPDD. David Mongle of Temple University runs CPDD's WorldWideWeb home page.

4. Larry Byrd, Division 28's Awards Chair, reported on the awards administered by the Division. They are the Young Psychopharmacologist Award, the Distinguished Affiliate Award, the Solvay Duphar Award, and the newest award, the Levitt. The Division also provides nominations for several APA-administered awards including the Distinguished Scientific Contribution Award. The Levitt Award is made possible by a gift from Robert and Phyllis Levitt. The award was presented to Carol Peronis, Ph.D., now a post-doc in the laboratory of Jim Woods, University of Michigan, for her outstanding dissertation research. Robert and Phyllis Levitt were both present at the meeting and their generosity was enthusiastically applauded by those present.

Larry Byrd was thanked for his superb and enduring leadership as Awards Chair. It was announced that William Woolverton at the University of Mississippi Medical Center will become the new Awards Chair.

5. Herb Barry reported on the Centennial History Project and said he had a favorable conversation with

## PSYCHOPHARMACOLOGY And Substance Abuse Newsletter



Division 28 - American Psychological Association

### EDITORIAL POLICY

*Psychopharmacology and Substance Abuse Newsletter* is a quarterly publication of Division 28 of the American Psychological Association. It is devoted to keeping its members informed about the activities of Division 28 and to the news and comments concerning all aspects of Psychopharmacology and Substance Abuse. Comments, brief articles (1,000-2,000 words), and letters are welcome and will be considered for publication as space allows. Articles, comments, announcements, and advertisements should be sent to:

James P. Zacny, Ph.D.  
Dept. of Anesthesia and Critical Care  
University of Chicago  
MC 4028  
5841 S. Maryland Ave.  
Chicago, IL 60637

Submissions should be submitted in both hard copy (letter quality) and diskette. FAX submissions are discouraged.

Deadlines are March 15 (Spring), June 15 (Summer), September 15 (Fall), and December 15 (Winter).

Gary VandenBos, Director of APA Publications, regarding the possible publication of some of the oral histories completed to date.

6. Alice Young reported on the activities and deliberations of the Council of Representatives. The main focus of her comments was on a resolution empowering APA to endorse psychopharmacological treatment as a therapeutic modality appropriate for psychologists with the appropriate training. The resolution read: "Main Motion: That the Council of Representatives reaffirms as policy its 1986 acceptance of the following resolution: 'The practice of psychology encompasses the observations, assessment, or the alteration of behavior and/or concomitant physiological functioning through behavioral procedures. The techniques available to affect such alterations include both physical as well as purely psychologic interventions applied by psychologists operating within the limits of individual training and experience'. In taking this action, the Council specifically notes that the practice of psychology includes the use of physical as well as psychological interventions when such interventions are a) in the consumer's interest, and b) within the training, experience, and competence of the attending psychologist. Specifically, this current action contemplates and supports association activities in seeking prescription privileges for psychologists. Such activities may include, but are not limited to, support and assistance for the development of appropriate training curricula and training programs, support and assistance for legislative advocacy, etc. Council directs

(cont'd page 3)

# Animal Research Information

Submitted by Christine A. Sannerud, Chair  
Div. 28 Committee on Animal Research

## CARE's Survey of Psychology Departments

APA's Committee on Animal Research Ethics (CARE) is planning to contact Psychology Departments with graduate programs to survey their use of animals in research and teaching. This survey will gather information about patterns of use, including numbers of animals, species, and procedures. The CARE committee is working with APA's Research Office and finishing the survey instrument. APA plans to analyze these data and publish their results. It is not known at this time whether Psychology Departments that do not have graduate programs will be included in the original survey. It is likely that undergraduate Psychology programs will be surveyed for the same information at some later date. There will be more information on this topic after the CARE Committee's October meeting.

## Survey of Institutional Animal Care and Use Committees (IACUCs)

A survey of IACUCs is being conducted by the Scientists Center for Animal Welfare (SCAW) and administered by the Cygnus Corporation in Rockville, MD. This survey is being endorsed by the US Department of Agriculture and the National Institutes of Health. The survey will focus

on the functioning of IACUCs and how they work: number of procedures and protocols, rather than number of species of animals used in research. The survey will include a nationwide sample of 1000-1500 IACUCs to provide an indication of the practices that IACUCs use in specific situations. Topics covered in the survey include: (1) IACUC's relationship with the institution's administration and with AAALAC, (2) the structure of the animal care program, (3) administrative issues about the IACUCs meetings themselves, (4) how protocols are reviewed and research monitored, (5) inspections, (6) program evaluation, (7) training, and (8) other policies and procedure, including provisions for protection of confidentiality when a complaint is filed. IACUC's involvement in community media and public events, etc. Confidentiality for the IACUCs involved in the survey is being maintained by the use of coded forms that will be destroyed at the conclusion of the project. For more information contact Lee Krulisch at the Scientists Center for Animal Welfare (SCAW) Ph.: (301) 345-3500.

## No New Fees for US Department of Agriculture

Currently under the Animal Welfare Act, facilities registered with the US Department of Agriculture [Animal and Plant Health Inspection

Service (APHIS), Regulatory Enforcement and Animal Care (REAC)] are exempt from paying user fees, whereas licensed facilities pay fees on a graduated basis. Registration applies to research facilities, carriers, intermediate handlers, and some exhibitors, while licensing applies to animal dealers and exhibitors. It was previously expected that APHIS would require registered facilities to start paying user fees as early as FY 1996, however, Congress defeated this legislation. It is likely that APHIS will try to have similar legislation passed within a year or two requiring registered facilities to pay user fees.

## Symposium: "Working Safely with Animals"

The Centers for Disease Control (CDC), NIH's Office for Protection from Research Risks (OPRR), and the American Biological Safety Association are co-sponsoring a symposium entitled "Working Safely with Animals", which is scheduled for January 27-31, 1996 at the Westin Peachtree Plaza in Atlanta, GA. This is the fourth National Symposium on Biosafety, and is intended to promote identification of hazards, assessment of risks, implementation of measures to ensure health and safety of laboratory animals and personnel. The Interagency Research Animal Committee (IRAC) and the Institute of Laboratory Animal Research (ILAR) will also participate in this meeting. For more information, contact Darlene Ross, Educational Coordinator, OPRR, Office of Intramural Research, NIH, 6100 Executive Blvd., Suite 3B01, Rockville, MD 20892-7507, Ph. (301) 496-8101. For a copy of the brochure outlining the symposium call: (404) 355-4884.

## Minutes (cont'd)

CAPP, BEW, and BSA to develop curricula (beyond the professional psychology core) and model legislation to implement the process of preparing psychologists to prescribe."

In another item, the proposed APA by-laws amendment on proportional voting and the composition of the Council of Representatives was discussed. Dr. Young recommended that Division 28 members vote against this amendment. A dissenting view was expressed by Dr. Debra Dunivin.

Another proposed by-laws amendment regarding APA's regulation of divisional activities was recommended for approval when the ballot arrives this fall.

It was announced that APA has purchased a site for a second building and that its current building at 750 First Street in Washington, DC is producing substantial new revenue for the association.

7. John Grabowski reported that the treasury was in a solvent condition. The loss of revenue stemming from the reduced numbers of corporate sponsors caused by mergers in the pharmaceutical business world was more than offset by the continuing education revenue generated by Dr. Stitzer's and Dr. Mazure's workshops.

8. Suzette Evans, Program Chair for NYC, was gratefully recognized and applauded for her excellent work on the Division 28 convention program. Kimberly Kirby will be the Program Chair for 1996, Toronto. Charles France has agreed to chair the program for the 1997, Chicago convention.

9. John Grabowski reported on the deliberations of the Executive Committee regarding slates of candidates for election to President-elect, and for Member-at-Large. These slates were presented and calls for additional nominations from the floor were made. When the nominations were closed by vote of those attending the meeting, the final slates were:

President-elect: Nancy Aar & Dorothy Hatakami

Member-at-Large: Sharon Hall & Carolyn Mazure

10. The participation of new attendees at the Division 28 Business meeting, Drs. Stephen Miller and Debra Dunivin, was noted and welcomed.

11. The President's gavel was transferred to Steve Fowler. Dr. Grabowski was applauded for his work as President.

The meeting was adjourned at 6:00 pm.

## Call for Papers for APA Convention

The 104th Annual Convention of APA will be held in Toronto August 9-13, 1996 and the call for papers is now out! The division welcomes submissions from all areas of psychopharmacology, but is particularly interested in papers, symposia, and posters developing two themes:

1. Behavioral approaches and therapies for understanding and treating drug abuse

- and -

2. Neural and behavioral adaptation to drugs; basic science and clinical applications.

Please submit proposals to:

Kimberly C. Kirby, Ph.D., Dept. of Psychiatry  
Medical College of PA and Hahnemann Univ.,  
Mail Stop 984 - Broad and Vine Streets,  
Philadelphia, PA 19102-1192

Submission deadline - December 1, 1995

**Nominations invited for ...  
1996 Robert and Phyllis Levitt Award**

The Division of Psychopharmacology and Substance Abuse (28) of the American Psychological Association (APA) announces the continuation of an award program to recognize annually the best doctoral thesis in psychopharmacology and substance abuse. The award is sponsored by a contribution from Robert and Phyllis Levitt and the American Psychological Foundation. The Robert and Phyllis Levitt award, consisting of a certificate of recognition and a cash award of \$1000, will be presented at the 1996 APA meeting in Toronto, Ontario, Canada.

Students who completed a doctoral program during calendar years 1994-1995 are eligible for nomination. Each must be nominated by a member of Fellow of Division 28, and the nomination must be based on a completed dissertation in psychopharmacology or substance abuse. Nominations must include (1) the nominee's resume or Curriculum Vitae, (2) a copy of the dissertation on which the nomination is based, (3) a statement from the sponsor in support of the nomination, and (4) any additional supporting documents. Forward all materials to: William L. Woolverton, Ph.D., Department of Psychiatry and Human Behavior, The University of Mississippi Medical Center, 2500 N. State Street, Jackson, MS 39216. Materials must be received no later than January 1, 1996.

**Editor's note:**

*I received an e-mail from Jaylan Turkkan (Chief, Behavioral Sciences Research Branch, Division of Basic Research, NIDA) concerning the APA convention next year in Toronto and the fact that NIDA will be holding a drug abuse conference at the convention. The body of the e-mail letter is reprinted below. I feel that I speak for the leadership of Division 28 in stating that it is especially important that Division 28 is represented there in full force. I echo Kim Kirby's request that you submit your research to her so that it can be considered for this conference.*

Dear Colleague:

We would like to alert you to a NIDA-wide plan to hold a Conference on Drug Abuse that will be co-sponsored by the APA Science Directorate at the next meeting of the American Psychological Association (Toronto, Ontario). The goal of this conference is to highlight research in drug abuse, an area that has not been visible at the APA in times past. Some planned activities include continuing education workshops, symposia, paper/poster sessions, receptions and awards.

The APA convention is from August 9-13; some presentations may occur on August 8th. Conference on Drug Abuse papers will be programmed by the individual APA Divisions who receive such submissions; the APA Division Program Chairs will be alerted in advance that drug abuse related papers will be submitted. Hopefully the Conference

**Come one  
and  
come all ...**

**to the greatest show  
on the WEB!**

**Division 28's  
WEB Page  
can now be  
accessed**

**at:**

**http://  
charlotte.med.nyu.edu/  
woodr/div28.html**

**Hope to See You There!**

on Drug Abuse papers and events will be concentrated within one hotel within a circumscribed time period. If you would like your research to be presented at the APA within the context of this conference, send a submission to APA through the usual route for submitting a paper.\*\*\*\*The deadline for submissions is December 1\*\*\*\*\* Those who are not members of APA will need a member to cosponsor the submission; the steering committee can help with this. Note that there is not a separate review process for the Conference submissions.

Although a wide range of research topics will be of interest, we would particularly like to encourage symposia, papers etc. which focus on the origins and nature of drug abuse and on drug abuse presentations which, regardless of their specific topic, have a multi-dimensional or multi-disciplinary perspective. One of the advantages of holding the Conference on Drug Abuse at the American Psychological Association meeting is that the attendees come from a very broad range of disciplines and interests. Similarly, not only do researchers attend the APA convention, but so do clinicians and program and policy professionals. We also encourage proposals to APA divisions which do not have a primarily drug abuse focus. For example, the Division of Sports Psychology may be interested on presentations related to steroids and the Division of School Psychology may be interested in presentations about drug abuse and/or drug abuse interventions in schools.

For our planning purposes, please also send a copy of your submission by e-mail to the Chair of the Steering Committee (Meyer Glantz, Ph.D.,

**Congratulations from  
Div. 28 to the following  
members who have achieved  
Fellow status in 1995**

*Richard W. Foltin, Ph.D.  
Charles P. France, Ph.D.  
Mark Galizio, Ph.D.  
Gilbert Honigfeld, Ph.D.  
Carolyn M. Mazure, Ph.D.  
William L. Woolverton, Ph.D.*

**Call For Fellowship Nominations**

*The Executive Committee seeks nominations for Fellow status in Division 28. Any member who has made outstanding contributions to psychopharmacology or substance abuse is eligible.*

*If you wish to be considered yourself or nominate someone else for this APA honor, send your/his/her CV to:*

*Marilyn E. Carroll, Ph.D.  
Psychiatry Department  
University of Minnesota - Box 362 UMHC  
420 Delaware St., S. E.  
Minneapolis, MN 55455  
mcarroll@staff.tc.umn.edu  
(612) 626-6289 voice  
(612) 624-8935 fax*

mglantz@soada.ssw.dhhs.gov). To obtain the submission materials contact APA at 202-336-6020. You may want to ask for a list of APA Divisions with contact information for division program chairs to see which APA division is appropriate for your particular research. Note that "Addictions" is listed as one of the APA Academic/Scientific Areas in the 1996 program.

Please contact Dr. Glantz (301-443-2974) if you need more information about the NIDA/APA Science Directorate Conference on Drug Abuse.

**APA fellowship programs**

**APA Congressional Fellowship Program**  
Deadline: December 1, 1995  
Contact: Brian Smedley (202) 336-6066  
bds.apa@gmail.apa.org

**The William A. Bailey AIDS Policy  
Congressional Fellowship**  
Deadline: December 1, 1995  
Contact: Brian Smedley  
(202) 336-6066

**The APA Science Policy Fellowship  
Program**  
Deadline: November 13, 1995  
Contact: Elizabeth Baldwin  
(202) 336-5932

## Carol A. Paronis receives the first annual Levitt award for Psychopharmacology Dissertation research

*During the APA Convention this year, Carol A. Paronis received the Robert and Phyllis Levitt award for outstanding doctoral dissertation research. I asked Dr. Paronis if she would give a brief synopsis of her research for our newsletter readers, which is summarized below.*

There were three main objectives of my dissertation research:

1) to determine whether different population of mu-opioid receptors mediate the discriminative stimulus effects and the analgesic effects of mu-opioid agonists,

2) to determine whether different populations of mu-opioid receptors could be identified by

manipulating the number of functional mu-opioid receptors; and

3) to examine the role of the intrinsic activity of different mu-opioid agonists in inducing tolerance and in eliciting responses following perturbations of the receptor reserve.

These questions were addressed by a series of parallel studies, in which the analgesic effects and the morphine-like discriminative stimulus effects of mu-opioid agonists were assessed in rats following seven-day infusions of either naloxone or morphine, meperidine, or fentanyl. I found that the discriminative stimulus effects of mu-opioid agonists were more susceptible to naloxone-induced increases in potency than were the analgesic effects of these same drugs. On the

other hand, the analgesic effects of mu-opioid agonists demonstrated greater tolerance than did the discriminative stimulus effects. These results suggested that the techniques of increasing available receptors, via naloxone infusions, and decreasing functional receptors, via mu-opioid agonist infusions, can be used to distinguish different populations of receptors. Moreover, meperidine, which has a lower intrinsic activity than morphine or fentanyl, induced more tolerance than did the other two agonists, and fentanyl induced the least tolerance. This suggested that intrinsic activity is inversely related to the magnitude of tolerance that develops following continuous infusion of mu-opioid agonists.

I was awarded my Ph.D. from Emory University in February, 1993. My mentor was Stephen Holtzman, and other committee members included Larry Byrd, Ken Minneman, and Mike Iuvone.

Since arriving at the University of Michigan, my post-doctoral studies with Jim Woods have been focused on establishing a model of morphine tolerance and dependence in rhesus monkeys, using respiratory measures as dependent variables.

## Jane Acri receives Young Psychopharmacologist Award for 1995

*Jane Acri, Ph.D. was this year's recipient of the Young Psychopharmacologist Award, and was presented with the award during the APA Convention in August. I asked Dr. Acri if she would describe her research psychology career to our newsletter readers, which is summarized below.*

I received a B.A. in psychology from Washington University in St. Louis, and then an M.A. in audiology from Catholic University in Washington D. C. I practiced as a clinical audiologist for several years before beginning work on my doctorate at the Uniformed Services University of the Health Sciences in Bethesda.

There, in the department of medical psychology, I worked with Neil Grunberg on behavioral effects of nicotine in humans and in rats. During that time, I also studied effects of stress (Singer, Acri & Schaeffer 1990) and I developed a psychophysical rating scale to measure irritability in humans withdrawing from nicotine (Acri & Grunberg, 1992), but my major work was a series of experiments examining the effects of nicotine on acoustic startle and pre-pulse inhibition in rats (Acri, Grunberg & Morse 1991; Acri, Morse, Popke & Grunberg 1994; Acri, Saah, Brown & Grunberg 1995). We were interested in pre-pulse inhibition and acoustic startle measures because they reflect the ability of nicotine to modulate attention. My dissertation examined the interactions of restraint stress and nicotine on acoustic startle amplitude and pre-pulse inhibition in rats, and concluded that stress shifted to the left the inverted U-shaped dose-effect curve of

nicotine (Acri, 1994). These results were consistent with reports that nicotine can act as a stimulant under conditions of low sympathetic arousal, but can be calming under conditions of stress, or high sympathetic arousal, and may be relevant to the reasons why smokers reportedly smoke more when under stress.

After receiving my degree in 1992, I came to the NIDA-Addiction Research Center where I have worked with Jeff Witkin in the psychobiology section. During this time, I have been involved in a number of interesting projects. One project that was the subject of the APA Div. 28 address in New York has been a series of experiments exploring the pharmacology and behavioral effects of ligands binding to diazepam-insensitive receptors in pigeons (Acri, Wong & Witkin 1995; Acri, Serdikoff, Witkin & Santerud, in press; Witkin, Acri, Gleason & Barrett, submitted). This GABA<sub>A</sub> receptor subtype may contribute to the reduced side-effect profile of anxiolytic compounds like bretazenil, and produces a unique discriminative stimulus effect in pigeons. Other projects have included a behavioral characterization of benzotropine, a dopamine uptake inhibitor that is not cocaine-like in its behavioral profile, despite high affinity binding to the dopamine transporter (Acri, Seidlock & Witkin, under review). I have also examined the discriminative stimulus effects of benzotropine in an attempt to determine the contribution of dopamine uptake inhibition, M-1 muscarinic antagonism, and H-1 histamine antagonism to its subjective effects (Acri, Newman, Chider &

Witkin 1994). Other projects have examined the contribution of the dopamine D-3 receptor to the discriminative stimulus effects of cocaine (Acri, Carter, Alling, Geter-Dounglass, Dijkstra, Wikstrom, Katz & Witkin 1995), and have examined the behavioral effects of dopamine D-1 antagonists (Acri, Shah, Newman, Belov, Basile, Sharpe & Witkin submitted).

I have had a great time so far, and I hope this wasn't too long-winded a description! In the future, I would like to continue to study the effects of abused drugs, as well as drugs with therapeutic potential. I am interested in further understanding the mechanisms of action and behavioral variables that are relevant to their abuse. In closing, I am honored and grateful to have been selected for this award.

### Second Annual Conference of the Society for Research on Nicotine and Tobacco

March 15-17, 1996  
Washington, DC

For information on the call for abstracts and conference, contact: Steve Heishman, (410) 550-1547, sheish@irp.nida.nih.gov.

For information about SRNT membership and conference registration, contact: SRNT Headquarters, (301) 251-9133, srnt@aol.com.

## Nominations sought for 1996 Young Psychopharmacologist

The Division of Psychopharmacology and Substance Abuse (28) of the American Psychological Association (APA) is pleased to announce the continuation of an award program to identify and recognize outstanding research by promising young psychopharmacologists.

The Young Psychopharmacologist Award, sponsored by the Burroughs Wellcome Fund, will be presented at the 1996 APA meeting and will consist of a cash award of \$500, an engraved plaque, and travel funds for the recipient to attend and address the APA meeting. The purpose of the award is to honor each year a young scientist doing original, meritorious work in psychopharmacology and to encourage excellence in research at the interface between the disciplines of pharmacology and psychology.

Persons who are predoctoral trainees or who are no more than five years past the date of receipt of the doctoral degree are eligible for consideration. Candidates must be nominated by a member or fellow of Division 28, and the nomination must be based on work in the area of psychopharmacology/behavioral pharmacology.

Nominations must include (1) the nominee's vitae, (2) reprints of manuscripts describing the research on which the nomination is based, and (3) a statement from the sponsor in support of the nomination. Forward all materials to: William L. Woolverton, Ph.D., Department of Psychiatry and Human Behavior, The University of Mississippi Medical Center, 2500 N. State Street, Jackson, MS 39216. Materials must be received no later than January 1, 1996.

## Nominations Sought for 1996 Solvay Duphar Award

The Division of Psychopharmacology and Substance Abuse (28) of the American Psychological Association (APA) is pleased to announce the continuation of an award to identify and recognize outstanding research by senior investigators on affective disorders.

The Award for Outstanding Basic Psychopharmacological Research on Affective Disorders, sponsored by Solvay Duphar, will be presented at the 1996 APA meeting, and will consist of a cash award of \$2,500, an engraved plaque, an original sculpture, and an invitation to attend and address the APA meeting. The purpose of the award is to honor each year a senior-level scientist who has contributed original, meritorious work on the psychopharmacology of affective disorders.

Candidates must be nominated by a member or fellow of Division 28, and the nomination must be based on career contributions in the area of psychopharmacology/behavioral pharmacology and affective disorders.

Nominations must include 1) the nominee's resume or Curriculum Vitae, 2) reprints of manuscripts describing the research on which the nominations based, and 3) a statement from the sponsor in support of the nomination. Forward all materials to: William L. Woolverton, Ph.D., Department of Psychiatry and Human Behavior, The University of Mississippi Medical Center, 2500 N. State Street, Jackson, MS 39216. Materials must be received no later than January 1, 1996.

## POSTDOCTORAL POSITIONS

Postdoctoral positions are anticipated in nicotine/smoking research with Dr. Ken Perkins or Dr. Saul Shiffman at the University of Pittsburgh.

Dr. Shiffman's work focuses on processes that promote smoking relapse, including nicotine dependence, craving, mood disturbance, and coping. There is also opportunity to become involved in a variety of projects that apply field data collection using computer diaries to a range of behavioral medicine areas.

Dr. Perkin's research emphasizes human behavioral pharmacology involving nicotine and smoking. Projects include the relationship of nicotine discrimination and tolerance to tobacco dependence and self-administration. Involvement in clinical research examining the role of weight gain on success of smoking cessation is also possible.

Interested candidates should send a c.v. to Drs. Perkins or Shiffman at the following addresses by January 1, 1996: Ken Perkins, Ph.D., Western Psychiatric Institute, University of Pittsburgh School of Medicine, 3811 O' Hara Street, Pittsburgh, PA 15213; Saul Shiffman, Ph.D., Department of Psychology, University of Pittsburgh, 130 N. Bellefield Avenue, Suite 510, Pittsburgh, PA 15261

## POSTDOCTORAL RESEARCH POSITIONS University of Oklahoma Health Sciences Center

Four (4) postdoctoral positions are available on NIAAA and NIDA Training Grants. Ph.D. or M.D. required, with salary of \$19,608-32,300/year, depending on years of postdoctoral experience. U.S. citizens or Permanent Residents eligible. Training in experimental or clinical research desirable. Areas: (1) Behavioral pharmacology of alcohol and other abused substances (Drs. Frank Holloway and David Gauvin); (2) neurophysiological correlates of CNS drug action (Dr. Larry Gonzalez); (3) cognition and alcoholism/drug addiction (Dr. Sara Nixon); (4) neuropsychological correlates of schizophrenia, dementia and drug abuse (Dr. William Beatty); (5) psychophysiological correlates of drug/alcohol effects (Dr. William Lavallo); (6) behavioral genetics of drug sensitivity (Dr. Thomas Seale); (7) psychopharmacology of alcohol and drugs of abuse in humans (Drs. Holloway and Nixon). For further information, contact: Frank A. Holloway, Ph.D., Department of Psychiatry & Behavioral Sciences, University of Oklahoma Health Sciences Center, Research Building, 302-R, P.O. Box 26901, Oklahoma City, OK 73190-3000 (405) 271-2011 FAX: (405) 271-2356

The University of Oklahoma Health Sciences Center is an Equal Opportunity/Affirmative Action Employer.

## The University of Michigan Pre- and Post-doctoral Interdisciplinary Training Grant Funded by the National Institute on Drug Abuse (NIDA)

The University of Michigan Substance Abuse Center (UMSAC)  
715 N. University, Suite 6  
Ann Arbor, MI 48104-1611

Deadline: January 2, 1996

Field: Substance Abuse Interdisciplinary Research and Scholarship

Open to pre-doctoral students and post-doctoral scholars from a variety of professional backgrounds with interests in interdisciplinary research in alcohol, tobacco and other drugs. Post-doctoral applicants (earned degree from any accredited institution within past 8 years) must have demonstrated research productivity and academic excellence.

Pre-doctoral applicants must be enrolled in a doctoral program at the University of Michigan with expectation of having completed preliminary exams by July, 1996. Open to US citizens and permanent residents.

For more information and to obtain an application package, contact UMSAC at:

Telephone: (313) 998-8500; fax (313) 998-6508 - e-mail: jlo@umich.edu

## DEPARTMENT OF PHARMACOLOGY

Louisiana State University Medical Center  
in New Orleans

A post-doctoral position is available to conduct studies on the behavioral, immunological and physiological effects of opioids and benzodiazepines and, in particular, to assess the effects of novel compounds in subjects that are dependent on prototypic drugs from each of these pharmacological classes. Applicants must have a Ph.D. in pharmacology, psychology, neuroscience or related field. The position is available immediately and appointment is for one year, renewable for up to three years. Please send letter of interest, CV and the names of three references to:

Charles P. France, Ph.D.  
Department of Pharmacology  
Louisiana State University Medical Center  
1100 Florida Avenue  
New Orleans, LA 70119  
(504) 942-8382  
FAX (504) 942-8383, Internet  
cfranc@pop3.lsumc.edu

LSUMC is an Equal Opportunity  
Affirmative Action Employer

## Post-Doctoral Position in Behavioral Pharmacology

Applications are invited for a post-doctoral research associate position in the Department of Psychiatry and Human Behavior at the University of Mississippi Medical Center to conduct research in the behavioral pharmacology of drugs of abuse. Candidates should have a Ph.D. in Pharmacology, Psychology or Neuroscience and have some expertise in behavioral and/or neuropharmacology. The successful candidate will be expected to supervise technicians, prepare reports and manuscripts for publication and present research results at national meetings. Salary will be competitive and commensurate with experience.

Interested applicants should send curriculum vitae, a statement of current and future research goals and names of three references to:

William L. Woolverton, Ph.D.  
Department of Psychiatry and Human  
Behavior  
The University of Mississippi Medical  
Center 2500 N. State Street  
Jackson, MS 39216  
Phone: 601-984-5866; FAX: 601-984-  
5899; Email:  
Woolvert@fiona.umsmed.edu

## Position: Associate Pharmacologist - Wyeth Ayerst Research - Princeton, NJ

**Education and Experience Requirements:** This position requires a bachelors degree and 1-3 years of experience or a masters degree and 0-2 years of experience. The BS or MS should be in neuroscience, psychology, pharmacology or animal behavior.

**Responsibilities:** The job responsibilities for this position involve conducting pharmacological studies using animal models of depression, schizophrenia, anxiety, and learning and memory in rodents. These responsibilities include proper preparation of novel and reference compounds for pharmacological evaluation, administration of compounds to animals by various routes of administration, careful handling and observation of animals, and monitoring and maintaining daily records of behavioral performance. The job also requires analytical and computer skills (IBM and Macintosh) for running studies, summarizing data (Microsoft Excel) and graphing results (DeltaGraph) of studies. As these studies involve the handling and use of animals, careful monitoring of the animals' health and well-being as well as rigorous attention to detail are of primary importance. Good oral and written communication skills are required for presenting experimental results to Discovery Teams.

## 2 Positions: Senior Pharmacologist - Wyeth Ayerst Research - Princeton, NJ

**Education and Experience Requirements:** This position requires a bachelors degree and 5-10 years of experience or a masters degree and 4-6 years of experience. The BS or MS should be in neuroscience, psychology, pharmacology or animal behavior.

**Responsibilities:** The job responsibilities for this position involve conducting pharmacological studies using basic and complex operant conditioning procedures (e.g., fixed-ratio, fixed-interval, drug discrimination, conflict) in rodents, pigeons and monkeys. These responsibilities include proper preparation of compounds for pharmacological evaluation, administration of compounds to animals via different routes of administration, careful handling and observation of animals, small animal surgery, and monitoring and maintaining daily records of behavioral performance. The job also requires strong analytical and computer skills (IBM and Macintosh) for programming (Med-PC), behavioral assessment, summarizing data (Microsoft Excel) graphing results (DeltaGraph), conducting statistical analysis and assisting in the preparation of company reports. Of primary importance in these studies is the handling and use of animals, careful monitoring of the animals' health and well-being and rigorous attention to detail. Good oral and written communication skills are essential for presenting experimental results to Discovery Teams.

For any of these positions  
send CV to:

Sharon Rosenzweig-Lipson, Ph.D.  
Wyeth Ayerst Research, CN 8000,  
Princeton, NJ 08543-8000.

## POSTDOCTORAL POSITION

A postdoctoral position is available in the Psychobiology Laboratory of the Intramural Research Program at the National Institute on Drug Abuse, Addiction Research Center. Research focuses on the behavioral and neurochemical effects of drugs of abuse and particularly, the pharmacological mechanisms that underlie the behavioral effects of abused drugs. Current emphasis is on the behavioral effects of cocaine and related stimulants. Behavioral studies examine psychomotor stimulant actions, discriminative stimulus effects, and reinforcing effects. Neurochemical studies include receptor binding, functional assays of neurotransmitter uptake, and regulation of second messenger function. Applicants should have a strong interest in applying both neurochemical and behavioral assays to the study of the behavioral pharmacology of abused drugs. Applicants must have received Ph.D. degree within the last five years. Interested individuals should send curriculum vitae to:

Jonathan L. Katz  
Psychobiology Section  
NIDA Addiction Research Center  
P.O. Box 5190  
Baltimore, MD 21224 - USA  
Telephone: 410/550-1533.

## JOHNS HOPKINS SUBSTANCE ABUSE RESEARCH

Postdoctoral human research positions available in a stimulating and productive environment with excellent clinical and research resources. Applied Research in Behavioral treatment of Substance Abuse. Develop and evaluate treatment interventions for opioid and cocaine abusers. Sites include methadone, outpatient drug-free and addictions pregnancy clinics. Human Laboratory Behavioral Pharmacology. Design and implement controlled laboratory research on the behavioral, subjective, and physiological effects of psychoactive drugs for abuse liability testing and medication development. Drug classes under study include: opioids, cocaine, anxiolytics, caffeine, nicotine. Research background and experience required. Minorities encouraged. USPHS stipend levels based on experience. Send vitae, letter of interest, and names/phones of 3 references to:

George E. Bigelow, Ph.D. or Maxine L. Stitzer, Ph.D.  
BPRU  
Behavioral Biology Research Center  
5510 Nathan Shock Drive  
Johns Hopkins Bayview Campus  
Baltimore, MD 21224-6823  
(410) 550-0042

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