

PSYCHOPHARMACOLOGY NEWSLETTER

Volume 23, Number 3

Division 28 - The American Psychological Association

Fall, 1990

PRESIDENT'S LETTER

Klaus Miczek
President, Division 28

Psychopharmacologists live a paradoxical life. Like other scientists who study perplexing phenomena, they are readily intrigued by novel methodologies, technological advances and bold ideas, but as soon as an unorthodox explanation is advanced, skepticism prevails. Psychopharmacologists eagerly seek opportunities that may yield new insights; we admire innovative concepts and methods. And yet, any serious researcher sports a healthy dose of criticism towards his own and his colleagues' work. Momentary titillation with some far-flung way of defining the drug action on behavior and on brain often yields to a disciplined approach providing solid information through well-established methods.

cont. on p. 2

CUNNINGHAM, HOWELL RECEIVE YOUNG PSYCHOPHARMACOLOGIST AWARD, 1990

Larry D. Byrd
Committee on Nominations

The Young Psychopharmacologist Award for 1990 was shared by Dr. Kathryn A. Cunningham of the University of Texas and Dr. Leonard L. Howell of Emory University. The award, sponsored by the Burroughs Wellcome Fund and the Division of Psychopharmacology, was presented at the annual meeting of the American Psychological Association in Boston. Each awardee received a check for \$500.00, an engraved plaque, and reimbursement of expenses to attend the meeting and to deliver an address.

Dr. Cunningham, an Assistant Professor in the Department of Pharmacology at the University of Texas in Galveston, presented an address entitled "Central Seroto-

cont. on p. 6

*** ACTION ALERT ***

CAST ALL YOUR APPORTIONMENT VOTES FOR DIVISION 28!

The American Psychological Association's legislative body is the Council of Representatives. In order for a division, state association, or coalition to have a seat on Council, it must receive no less than 0.50% of the total apportionment votes cast.

In early November, you will receive the annual apportionment ballot from APA. This ballot provides each member with ten votes, which can either be allocated totally to one division or distributed among several divisions. Individuals who cast all ten of their votes for a single division can have a large impact; as Figure 1 illustrates, the number of members casting all ten votes for Division 28 was very highly correlated with the total votes cast for Division 28.

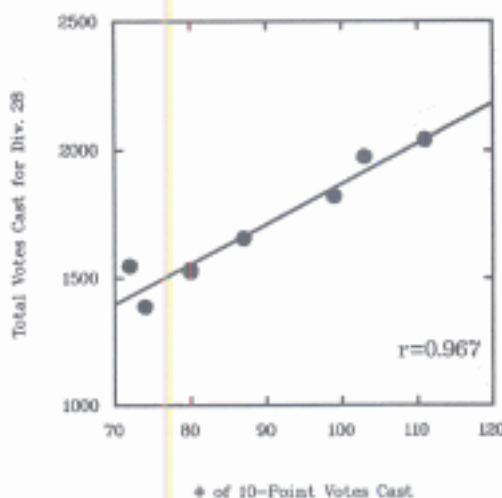


Fig. 1. Correlation of 10-point votes with total votes cast for Division 28, 1983-90.

cont. on p. 2

PRESIDENT'S LETTER (cont.)

The lay public views scientists alternatingly as reckless--and sometimes ruthless--adventurers without limit or respect for the sacrosanct, and then again as saviors shedding light into the frightful darkness of the unknown. Admiration for the detailed understanding of complicated actions of drugs on behavior alternates with confusion when too much detail is given. Scientists are expected to be experts with a great deal of in-depth information and thought of highly when they focus on a specific set of problems; and yet, there is the image of the renaissance-scientist who excels in many areas, who intelligently approaches a broad range of issues and problems. Most scientists fight a life-long battle between being a disciplined, narrowly focused specialist without becoming oblivious to the rest of the real world, and being a broadly educated intellectual with interests and knowledge in many fields of human enterprise without becoming a dilettante.

To this picture of contradictions and paradoxes, psychopharmacologists add new dimensions that are unique to them. They combine concepts and methods from psychology, biology and pharmacology, but too often none of these parent disciplines view a psychopharmacologist as a fully legitimate offspring. Here is the world of clinical problems and the various treatment options, and there is the world of molecular analysis of drug receptors. It is a common pitfall to solve complex behavioral problems by reducing them to a molecular problem, only to discover that psychopharmacology usually deals with dynamic multideterminant interacting systems.

The essential psychopharmacological paradox is, of course, the drug-behavior interaction itself. Whenever an exciting, new, therapeutically-promising substance arrives, its undesirable side-effects, abuse liability or risk for neurotoxicity are uncovered without much delay. The recent episode with MDMA illustrates this point. While much of psychopharmacological research attempts to develop and improve much-needed therapeutic agents and delineate the benefits of drugs, equally strong efforts are expended to deal with the horrifying and ruinous side of drugs, the diabolic cycle of violence and futility surrounding addictive substances. The September riots in the USSR after the supply of cigarettes ran out demonstrate the personal and social trauma of withdrawal from such a "non-drug" as tobacco. Of course, my paradoxical comments are flavored by living during the last decade near the "hub of the solar system", where people come to expect only the best but are most stingy when it comes to providing the adequate resources. Which reminds me of the Epicurean paradox: "Give us the luxuries of life, and we will dispense with its necessities."

CAST YOUR VOTES (cont.)

The number of ten-point votes was less highly correlated, however, with the percent of total apportionment votes cast (see Figure 2). Together, these results suggest that representation depends substantially on both the number of ten-point votes cast and the number of members in each entity seeking representation. In the 1990 apportionment balloting, Division 28's percent of total APA votes was 0.63%--a value clearly above the 0.50% threshold; but the 1990 figure dropped from 0.74% in the previous year. Another decline of this size in the upcoming balloting would place us dangerously close to losing our Council Representative. Ergo, please cast all ten of your votes for Division 28, and encourage colleagues to vote likewise.

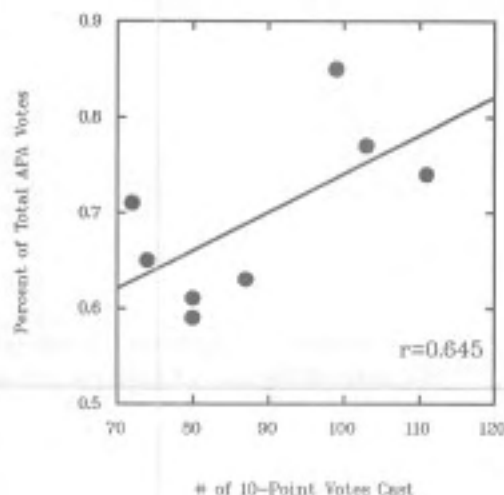


Fig. 2. Correlation of 10-point votes with % of total APA votes, 1983-90.

CENTENNIAL CELEBRATION

Herbert Barry

Centennial Liaison Officer

The Division 28 Centennial Liaison, Herb Barry, encourages members to plan programs and presentations pertaining to the APA centennial celebration. This celebration begins with the 1991 meeting in San Francisco and climaxes at the 1992 meeting in Washington, DC. Division 28 will soon begin obtaining oral histories from a few members who have been leading participants in the founding of the Division in 1966 and its history since then. We plan to prepare printed publications that summarize the historical information obtained from these interviews and other sources. Their value will be increased by oral or written recollections of any interesting aspect of Division 28 history by any members. We encourage all members to make this contribution to the project.

MINUTES, DIVISION 28 ANNUAL BUSINESS MEETING, AUGUST 13, 1990

Stephen T. Higgins
Secretary, Division 28

1. President Bob Balster convened the meeting at 2:05 p.m., with approximately 18 Division members attending. Minutes of the August, 1989 Business Meeting as published in the Fall 1989 Newsletter were approved.
2. President Balster announced the results of the 1990 election of Division officers:
President-elect: Ron Wood
Member at Large: Marilyn Carroll
Council Representative: Steve Fowler
3. President Balster noted that the Division is exploring the possibility of a new APA journal in psychopharmacology. A Division Publications Committee has been established to look into this matter and will report to the Division Executive Committee in May, 1991.
4. President Balster commented on the Division's continued involvement with the APA Central Office, mentioning recent discussions with Lew Lipsitt and colleagues of the APA Science Directorate. It was noted that Dr. Lipsitt and colleagues met with the Division Executive Committee on 8/9/90. The importance of developing good relations with the new officers in the APA Central Office was emphasized.
5. Alice Young, for Jack Henningfield, reported that Division 28 remains in good financial status with a balance of \$12,614.25 as of December 31, 1989. Please forward to Jack Henningfield the names of any contact persons in pharmaceutical companies or other industries who may support the Division's requests for corporate donations.
6. Steve Fowler reported on matters relating to Division membership: (1) He noted approval by the APA Membership Committee of the following five new Division 28 Fellows: Brenna Bry, Linda Hernandez, Mary Jeanne Kallman, Henry Marcucella, and Timothy Schallert. (2) The decision to initiate a \$5.00 annual dues for Division membership appears to have decreased membership by perhaps 100 members, but that effect appears to be ending. Steve projects an increase of approximately 100 new members in the next year. (3) We now have 28 Newsletter Affiliate members; those who are eligible to become full members of the Division should be encouraged to do so. (4) Steve noted that to ensure that the Division maintains a representative on the APA Council, members need to allocate 10-point votes to the Division. (5) Members are encouraged to nominate new Fellows. Names should be forwarded to Steve Fowler.
7. Larry Byrd reported on Division Nominations. (1) Kathryn A. Cunningham and Leonard L. Howell shared this year's Division 28 Young Psychopharmacologist Award. (2) Larry encouraged Division members to continue nominating deserving Division members for APA and Division 28 Awards. Deadlines for nominations are about the same as for paper submissions for the APA meeting. (3) Dr. Lou Harris has been nominated for Distinguished Affiliate Status in Division 28. Dr. Harris was nominated by Larry; the nomination was seconded by Steve Fowler and unanimously approved. The Division will try to nominate a Distinguished Affiliate annually. Nominees should be outstanding scientists from other disciplines or countries. (4) The Division nominated C.R. Schuster for the APA Distinguished Scientific Contribution Award, Travis Thompson for the APA Distinguished Teaching of Psychology Award, and Warren Bickel for the APA Distinguished Contributions by a Young Psychologist Award. (4) The Division wants to continue nominating members for APA Boards and Committees. Please forward names of nominees to Larry.
8. President Bob Balster proposed a change in the Division bylaws in order to change the Division name from the Division of Psychopharmacology to the Division of Psychopharmacology and Substance Abuse. A change in Article 1 of the bylaws permits such a name change. After some discussion of the merits of this proposal, it was approved by a vote of 14 in favor and 4 against, thereby meeting the 2/3rds mandatory number of positive votes.
9. President-elect Klaus Miczek read the list of nominees for Division Officers for the 1991 election. Lewis Seiden and Maxine Stitzer will run for President, and Alice Young and John Grabowski for Member-at-Large. The slate of officers was approved.
10. President Balster thanked Warren Bickel for his fine job as Division 28 Program Chair for the 1990 meeting; Dave Penetar and Nancy Ator will serve as Program Chairs for the 1991 and 1992 meetings, respectively.
11. President Bob Balster noted that the Division 28 Committee on Curricula Development for Training Psychologists in Psychopharmacology is continuing to meet as are the Neurobehavior and Toxicology

cont. on p. 4

BUSINESS MEETING MINUTES (cont.)

Committee and the Centennial Committee. With regard to the latter committee, H. Barry is in the process of conducting an oral history of Division 28 for the Centennial.

12. President Balster was given a warm round of applause in appreciation for his efforts on behalf of Division 28 during his tenure as president.

The meeting was adjourned at 2:55 p.m.

APA COUNCIL MEETING: AUGUST, 1990

John Grabowski

Division 28 Representative to Council

The APA Council of Representatives met on August 9 and 12 during the Annual APA Meeting in Boston. This brief report will summarize the meeting agenda and the preliminary 1991 budget.

The Council approved a number of items concerning structure and function of new boards and committees, including those related to the new Education Directorate. (This rounds out the complement of Directorates). Items were passed to improve systems for processing of students, members, and fellows. There was discussion about increasing member participation in Divisions. It was noted once again that of the more than 70,000 members, only about 40% belong to divisions. Active participation by members of Division 28 can have an effect, and it is important. The benefits of APA's activity generally, and Division membership in particular, are numerous; some of these are reflected in the directives of the Council of Representatives. These include the strong lobbying efforts to assure the best environment for both scientists and clinicians. The APA has been particularly effective in assuring continued and stable funding for research funds for ADAMHA, on one hand, and assuring equity for clinicians (vis-a-vis physicians and others), on the other hand.

The Council voted unanimously to support opposition to the concept of "English Only" laws, efforts to improve the lot of the homeless, and provision of care for those with chronic mental illness. The Council also voted to support the development of Behavioral and Social Sciences Directorate within the NSF. In February, 1990, the APA Council voted unanimous support for organizations that protect science, scientists, and the conduct of research with animals; at the August meeting, the Council voted unanimously to support APA endorsement of the 1990 AAAS resolu-

tion on the Use of Animals in Research, Testing, and Education. The APA is unquestionably among the largest and most formidable organizations lobbying on behalf of continued research with animals.

An issue of particular importance to Division 28 is that of "prescription privileges" for psychologists. Division 28's position has been that psychologists generally, and clinical psychologists in particular, would do well to have at least rudimentary understanding of behavioral pharmacology/psychopharmacology. This is true independent of the specific issue of prescribing privileges. In this vein, the Division has supported an effort to develop educational programs. Your representative stated this position clearly in the Council meeting in support of a Proposal for an APA Task Force on Psychopharmacology. It was noted in particular that the Task Force should be heavily loaded with Division 28 members familiar with the issues and science. This item, which was sponsored by Patrick DeLeon, passed.

Issues concerning fees and finances were discussed at length. The most distressing item was that basic dues will increase for the coming year--to \$155 for a regular membership. Divisional fees are additional. This increase is part of a grand plan for increments over time to accommodate inflation, new programs, and growth. Your representative argued strongly that not all growth is good growth; golden oratory notwithstanding, the dues increase passed! A provision was included, however, specifying that the increase would be offset with a credit for those who order APA journals. Special assessments such as those levied on clinicians and some clinical researchers by the Practice Directorate also will increase.

Parenthetically, it should be noted that some "science members" (treatment researchers who are nonclinicians) of Division 28 pay the extra fees. It must be emphasized on behalf of the Director and staff members of the Practice Directorate that they have shown a strong allegiance to the *science* of psychology and application of science in practice; thus, these funds are not wasted. Ironically, the Practice Directorate now calls on our Division for advice as often as, or more often than, does the Science Directorate. The Science Directorate has done more, and can do more, for behavioral scientists, psychological scientists, and behavioral neuroscientists than most other organizations in which they hold membership. The APA is numerically and financially powerful; the Council and APA central offices generally take the "right positions" on issues of importance to Division 28 members. This is more likely to occur if you are active in the Division and make known your interests and needs, which can then be conveyed to the Council and APA staff members.

cont. on p. 5

COUNCIL MEETING (cont.)

The proposed budget for the coming year is approximately \$39 million and includes neither surplus nor deficit. For copies of the budget materials, please write to John Grabowski, Ph.D. Dept. of Psychiatry and Behavioral Sciences, Univ. of Texas Health Science Center, 1300 Moursund, Rm. 341, Houston, TX 77030.

The February, 1991 meeting will be my last as your Council representative, and I will provide a summary of observations in the spring issue. Steve Fowler has been elected as the new Council Representative and will take up the Division 28 banner in August of 1991.

A NEW JOURNAL: BRIEF REPORT

John Grabowski
Council Representative

Dr. Gary Vandenbos, APA Director of Publications, initiated discussions in February (APA Council Meeting) with John Grabowski, Division 28, on development of an APA-based psychopharmacology journal. This issue was discussed at the Executive Committee meeting in May. Cautious forward movement was encouraged. Grabowski submitted a proposal to Dr. Bruce Overmeir, member of the APA Publications Board, which was received enthusiastically. Grabowski agreed at the August Executive Committee meeting to head a subcommittee to pursue this matter; Drs. Chris-Ellyn Johanson and Marlene Kilbey are also on the committee.

Grabowski met with Vandenbos again on September 21 to discuss options in journal development. The Division can serve as the "owner" of the journal. This option essentially requires that the division cover costs and assure survival of the journal. Typically this goal is accomplished by forcing journal purchase as a requirement for membership in the Division. The advantage is that the Division has complete control--which is also a potential disadvantage.

An alternative is that the APA will "own" the journal and assume all responsibility for it but will work closely with the Division in the selection of editors, format, and journal direction. The advantage is that the Division has association but no liability. The disadvantage is that if the journal becomes a "best seller", Division 28 does not reap rewards.

There are two views about the development of this journal. *In opposition:* It would provide competition for existing journals with which some Division 28 members are

affiliated. There may in fact be no need for the proposed journal. *In support:* The APA should publish in this area, which is important to and well-populated by its members. There is a need for an integrative "behavioral-psychopharmacology" journal that crosses boundaries.

In my opinion, the most reasonable course is to develop the journal in close collaboration with the APA but with the proviso that APA "owns" the journal. The APA will pay the editors' bills and operating expenses, advertise widely, and support the journal in its start-up period. It will further assure continuity in the process of journal operation. The journal should represent the spectrum of solid research by clinical and experimental psychologists/behavioral pharmacologists/neuroscientists who have affiliation with the APA. The critical issue is that the journal publish good science and scholarly reviews. It should not be a repository for case reports without data. Fortunately, the APA, Vandenbos, and the Publications Board share the view of producing a high quality scholarly journal. This journal could be in operation by 1992.

A proposal is being developed. I look forward to hearing your thoughts and comments and will communicate them to the subcommittee members, the Executive Committee, Vandenbos, and the APA publications board. Please write to me at the Dept. of Psychiatry and Behavioral Sciences, U of TX Health Science Center, 1300 Moursund, Rm. 341, Houston, TX 77030, or call (713) 792-7925.

FELLOW STATUS IN DIVISION 28

The Executive Committee of Division 28 seeks nominees for Fellow status in the Division. Members who have made outstanding contributions to psychopharmacology are eligible for nomination. If you would like to be considered for Fellow status, or if you know individuals who you believe are appropriate for this APA honor, please send a copy of the curriculum(a) vitae to the Division Membership Chair: Stephen C. Fowler, Ph.D., Dept. of Psychology, University of Mississippi, University, MS 38677 (telephone: 601-232-7383). Current Fellows: Please respond to SCF's fall '90 letter asking you for names of nominees for Fellow.

FIVE NEW FELLOWS IN DIVISION 28

Effective January 1, 1991, the following members of Division 28 will become Fellows of the Division: Brenna Bry, Linda Hernandez, Mary Jeanne Kallman, Henry Marcucella, and Timothy Schallert. We congratulate them and commend them for their outstanding research and professional contributions.

YOUNG PSYCHOPHARMACOLOGIST (cont.)

nin Function and the Neuropsychopharmacology of Cocaine." She received undergraduate training at the University of Houston in psychology, mathematics and philosophy, and received two years of graduate training in chemistry and biology at the University of Houston. Her graduate training continued with Dr. James Appel in psychology at the University of South Carolina, and she was awarded the Ph.D. degree in 1985. During her tenure with Dr. Appel, she conducted experiments on the mechanisms of action underlying the discriminative-stimulus properties of cocaine, and phencyclidine, and initiated studies with opiates and ergot alkaloids that led to her dissertation research. She studied and correlated the efficacy of several serotonin antagonists to inhibit the binding of labeled LSD with the abilities of those antagonists to block the discriminable effects of the same doses of the drug. The research combined new analytic techniques from widely different but equally important disciplines including biochemistry, pharmacology and psychology, and provided *in vivo* confirmation of what had been observed *in vitro*. Her more recent research at the University of Texas is particularly relevant to cocaine abuse and the neuropharmacology of cocaine. In these studies, Dr. Cunningham used electrophysiological procedures to analyze the effects of cocaine and related substances on serotonergic systems. The work demonstrates Dr. Cunningham's ability to learn additional techniques and confirms her continuing interest in solving persistent scientific problems.

Dr. Howell, a native of Georgia, received his undergraduate training in chemistry at Emory University prior to entering graduate studies in psychology, biochemistry and physiology at the Georgia Institute of Technology. Dr. Howell's research for his graduate degrees was conducted with squirrel monkeys at the Yerkes Research Center of Emory University in the laboratory of Dr. Larry Byrd. The experiments investigated the behavioral effects of drugs and a comparison of the effects of cocaine and non-pharmacological, environmental stimuli on schedule-controlled performance. His Master's thesis earned him recognition and the Sigma Xi Research Award for the year at the Georgia Institute of Technology in recognition of the outstanding quality of his research. Upon completion of the Ph.D. requirement in 1985, he moved to Harvard Medical School where he studied with Dr. William Morse for approximately two years. During his tenure at Harvard, he devised and developed a plethysmographic system for measuring respiratory function in rhesus monkeys in order to study the effects of opioids, methylxanthines and other drugs on respiratory parameters. His address to the APA convention, entitled "Behavioral and Respiratory Effects of Methylxanthines in Monkeys," focused primarily on the

behavioral and respiratory effects of caffeine and related methylxanthines in this preparation. His research has investigated the role of adenosine in mediating caffeine's effects and the specific role of different adenosine-receptor subtypes in this system. Dr. Howell is presently an Associate Scientist at the Yerkes Research Center of Emory University where his research on the respiratory effects of drugs is funded through a First Award of 5 years' duration.

CALL FOR "YOUNG PSYCHOPHARMACOLOGIST" NOMINATIONS

The Division of Psychopharmacology of the American Psychological Association 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, is intended to honor each year a young scientist doing original, meritorious work in psychopharmacology and to encourage excellence in research at the interface of the disciplines of psychology and pharmacology. The award, consisting of an engraved plaque, a check for \$500.00 and reimbursement of travel expenses to attend the annual APA meeting, will be presented in August, 1991, in conjunction with the APA meeting in San Francisco.

To be eligible for consideration, individuals must be nominated by a member or Fellow of the Division of Psychopharmacology, and the nomination must be based on work in the areas of psychopharmacology, behavioral pharmacology, neuropharmacology or drug abuse. Predoctoral trainees or persons no more than five years past the date of receipt of the doctoral degree are eligible for consideration. Each nomination must include 3 copies of: 1) the nominee's resume or curriculum vitae; 2) manuscripts describing the research on which nomination is based; and 3) a statement or letter from the sponsor in support of the nomination. Forward all materials by January 10, 1991 to Larry D. Byrd, Ph.D., Yerkes Regional Primate Research Center, Emory University, Atlanta, GA 30322.

BITNET NETWORK

The Division is compiling an e-mail address list of psychopharmacologists for the purpose of alerting them quickly to important developments in the area of public affairs. If you have access to BITNET and are not yet on our list, send your e-mail address (and telephone and fax numbers, if desired) to Ron Wood (WOOD@NYUMED).

CALL FOR PAPERS--APA CONVENTION '91

David Penetar
Program Chair, 1991

The annual convention of the American Psychological Association will be held August 16-20 in San Francisco, CA. The Division encourages submissions on a wide range of topics relevant to animal and human psychopharmacology, behavioral pharmacology, substance abuse, and neurotoxicology. Formats include individual posters, oral presentations in symposia and paper sessions on a specific topic or aspect of research, and invited speakers. As in the past, our abstracts will be published in *Pharmacology Biochemistry and Behavior*.

The Convention program is our most important Division activity. We encourage all to participate and make the scientific meetings successful and worthwhile. **Submission deadline is December 14th.** Specific instructions concerning submission requirements can be found in the October issue of the *APA Monitor*; or get in touch with Dr. David Penetar, Dept. of Behavioral Biology, Walter Reed Army Institute of Research, Washington, DC 20307-5100; phone (301) 427-5582/5521; fax (301) 427-5057.

NEWSLETTER AFFILIATES

At its August 1989 meeting, the Division 28 Executive Committee established, on a trial basis, a new category of association with the Division. Intended primarily for graduate students, this category of affiliation with the Division does not require membership status in APA. By completing and returning the following form, an individual interested in psychopharmacology becomes a Newsletter Affiliate and receives the Division 28 Newsletter free.

Name: _____

Institution, Organization, or University:

Mailing address:

Return to: Stephen C. Fowler, Ph.D., Dept. of Psychology,
University of Mississippi, University, MS 38677

OPEN POSITION

Asst. Prof. in Cognitive or Behavioral Neuroscience: New or recent Ph.D. sought for tenure-earning position to start 8/91, contingent on final funding approval. Exceptional research skills, potential to attract external support, and commitment to teaching excellence expected. Salary negotiable, competitive; teaching load supportive of research productivity. Send CV, statement of interests, representative scholarly work, and 3 letters of recommendation by 1/1/91 to: Chair, Experimental Search Committee, Dept. of Psychology, U of South Florida, Tampa, FL 33620-8200. An affirmative action, equal opportunity employer.

LETTER TO THE EDITOR

In response to the Summer, 1990 President's Letter, which suggested a Division name change, the term "substance abuse" has been around for years and is, for that reason, less likely to be temporary than our members might fear. The term concerns me. But I react on different grounds than the one Balster cited.

I first heard the phrase when LSD performed an about-face, from being feared as a potential Communistic weapon that could disrupt both our service personnel and the civilian population by means of widespread terror, to becoming a recreational pastime. I noted the attitude of my medical colleagues at meetings such as the one about 1965 that gave birth to a society, I believe it was the American Congress of Psychopharmacology, and included most of the psychiatrists whose psychopharmacological research I had been following. Their ire was not expressed against the harm such use might produce. What seemed to annoy them was the thought that chemical substances were not under their prescriptive control. The way a substance could be abused was to be taken without regard for medical advice. Physicians used chemicals and non-physicians abused those same substances, hence the term "substance abuse."

Not being a physician, my reaction was to decide that I cared little whether chemicals were being treated kindly. I would not volunteer to be a member of a humane society protecting the content of a capsule from harm. Perhaps I would have reacted differently had I suspected that psychologists would one day also be expected to prescribe such substances. I hope our Division chooses a name that suggests we are concerned for the drug takers more than the chemicals they select for use. Does "Psychopharmacology and Psychotoxicology" make any sense as a description of the field?

H. Aronson, Ph.D.
University of North Texas

DIVISION 28 OFFICERS:

Elected:

		<i>Term</i>			
President	Klaus Miczek (617) 381-3414	8/89-8/92	Newsletter Editor	Cynthia S. Pomerleau (313) 764-7152	5/88-8/91
President-Elect	Ronald W. Wood (914) 351-4249	8/90-8/93	Membership Chair	Stephen C. Fowler (601) 232-7383	8/88-8/91
Past-President	Robert L. Balster (804) 786-8402	9/88-8/91	CPDD Liaison	Robert L. Balster (804) 786-8402	
Council Representative	John G. Grabowski (713) 792-7925	2/88-2/91	Public Information	John G. Grabowski (713) 792-7925	6/87-8/91
Members-at-large	Alice M. Young (313) 577-3290	9/88-8/91	ASPET Liaison Officers	Alice M. Young (313) 577-3290	9/89-8/91
	Robert Sprague (217) 333-4123	8/89-8/92	APA Public Affairs Liaison	Chris Johanson (202) 295-0972	8/89-9/91
	Marilyn E. Carroll (612) 626-6289	8/90-8/93	APS Liaison	Donald Overton (215) 787-1534	8/89-9/91

Appointed:

Treasurer	Jack E. Henningfield (301) 550-1494	8/88-8/91	Committee on Animal Research	Ronald W. Wood (914) 351-4249	8/89-8/91
Secretary	Stephen T. Higgins (802) 660-3066	8/88-8/91	Committee on Prescript. Priv.	Hugh L. Evans (914) 351-4249	8/89-8/91
Program Chair, 1990	David Penetar (301) 427-5521	8/89-8/92	Centennial Officer	Marlyne Kilbey (313) 577-2802	8/89-8/91
Past-Program Chair	Warren K. Bickel (802) 660-3067	9/88-8/91		Herbert Barry (412) 648-8563	8/89-8/91
Incoming Program Chair	Nancy Ator (301) 955-3135	8/90-8/93			

NEWSLETTER DEADLINES (*Newsletter appears 4-6 weeks later:*)

Fall issue: September 15 Spring Issue: March 15
 Winter issue: December 15 Summer Issue: June 15

Cynthia S. Pomerleau, Ph.D.
 Editor, *Division 28 Newsletter*
 Behavioral Medicine Program
 University of Michigan Department of Psychiatry
 Riverview Building, 900 Wall Street
 Ann Arbor, MI 48105



000010444951 F CS0 1594
 DR VICTOR G LATIES
 SCH OF MED
 UNIV OF ROCHESTER BOX EHSC
 ROCHESTER NY 14642