
PSYCHOPHARMACOLOGY NEWSLETTER

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PRESIDENT'S LETTER

Linda Dykstra

President, Division 28

The Training of a Psychopharmacologist

Within the next few months, Division 28 will publish a brochure that describes the focus of our division. The brochure defines psychopharmacology as the study of drug effects on behavior, using the methodologies of psychology as well as pharmacology. It points out that psychopharmacologists carry out their work in a variety of situations--i.e., in laboratory as well as clinical settings, employing human as well as nonhuman populations in their investigations.

The message that follows from this characterization is that one can be a psychopharmacologist in a number of ways. Indeed, members of our division use a variety of labels to describe themselves, including behavioral pharmacologist, psychopharmacologist, behavioral biologist, behavioral scientist, and clinical scientist.

Given this diversity, it is no surprise that students of psychopharmacology are trained in a variety of ways. For example, some students leave graduate school with a sound foundation in the biological sciences; others are well-trained in behavior analysis; still others have well-developed clinical skills in evaluation and treatment. The common element in their training is the development of sound research skills. Recently, there has been a movement to provide more general training in psychology during the predoctoral years and postpone research training until the postdoctoral years. In my view, the accumulation of knowledge without the opportunity to partake in the generation of knowledge does not constitute appropriate training for a graduate student in psychopharmacology. Central to all successful graduate programs in psychopharmacology is the opportunity to observe, assist, and ultimately direct research. Although course work provides some of the building blocks in this process, research training does not require a rigid curriculum. Instead it requires an environment in which students

are encouraged to engage in research and share the results of that endeavor with the scientific community.

Thanks to the efforts of many Division 28 members, training in psychopharmacology has been characterized by this sort of focus. The result has been the production of psychopharmacologists who can design and execute research in a variety of settings. Given the success of this tradition, I encourage those involved in graduate training to defend predoctoral research experience as the primary focus of graduate training and to discourage efforts to make it secondary to general training in related disciplines.

Action Alert

If you have retained copies of your response to the proposed Animal Welfare regulations, please send them with a brief cover letter to your representative and senators.

APA URGES MORE RESEARCH ON NEUROTOXIC CHEMICALS

William D. Echols

Federal Legislative Affairs Officer, Science Directorate

Dr. Robert L. Balster, testifying on behalf of the APA Science Directorate, told Senator Harry Reid (D-Nevada) and other members of the Senate Panel that worker exposure to potentially neurotoxic chemicals in the workplace can be expected to continue at unacceptable risk levels unless EPA receives more funding for research as well as the regulatory authority needed to perform its mission. The Senate hearing, held on March 6, 1989, was in response to press reports of worker health problems in the aerospace industry.

Workers on the highly-secret, state-of-the-art Stealth Fighter at Lockheed in Burbank, CA and at Boeing in Seattle, WA have been complaining of dizziness, irritability, and impaired memory and concentration. The suspected toxic agents are new chemical composites--mixtures of plastics,

carbon, and synthetic fibers that scientists say will replace much of the metal now used in aircraft and automobiles within a decade due to their light weight and strength. The material was chosen because its non-metallic surfaces "absorb" enemy radar and thus avoid detection. No toxicity data are available for these new chemical substances.

Dr. Balster, Professor of Pharmacology and Toxicology at the Medical College of Virginia in Richmond, VA, testified that the symptoms described could have been produced by neurotoxins. According to a 1984 National Academy of Sciences study, over 65,000 chemicals are used in the U.S., with approximately 1,500 more being introduced each year. The report concluded that for 90% of the chemicals used in industry and commerce, adequate toxicity data for even a partial health-hazard assessment are unavailable.

The paucity, said Balster, stems from 1) failure of the Toxic Substances Control Act (TSCA) to generate adequate test data from industry, and 2) a serious funding decline for EPA's intramural and extramural research programs. "Appropriations for the Exploratory Grants Program at EPA have actually decreased substantially since 1981. In addition, neurobehavioral toxicity research in the Health Effects Research Laboratories at EPA only receives about \$4 million. Given this poor record..., it should be no surprise that EPA has a very limited database on neurotoxic substances."

BEHAVIORAL PHARMACOLOGY AT THE UNIVERSITY OF NEW ORLEANS

Barbara Slifer

Research and training in behavioral pharmacology at the University of New Orleans are centered in the Biopsychology program in the Department of Psychology. Students are admitted to the Ph.D. program in Applied Psychology, with an emphasis in either the developmental or biopsychology track. The first year of study includes fundamental core course work. Students are expected to be actively involved in research each semester and are encouraged to choose a faculty mentor upon entry into the program. In the second year, the student focuses on a research project leading to completion of the master's degree. Post-master's students continue independent research directed towards the doctoral dissertation. As part of the LSU System, graduate students at UNO may enroll in advanced courses offered at LSU Medical Center and in courses cross-listed with Tulane Medical School. The UNO biopsychology faculty participate as adjunct faculty for the new Neuroscience Center at LSU Medical Center. The Center enhances the neuroscience focus already present in the New

Orleans area by the increased availability of training opportunities and a colloquium series that brings in outstanding national and international scientists. Third and fourth year students participate in practica at various sites, including LSU, Tulane, and VA Medical Centers, the Ochsner Foundation, and area care centers and schools.

The department has several well-equipped laboratories for behavioral research as well as a newly-equipped histology lab, surgical suite, basic neurochemical laboratory, and renovated animal care facilities for rodents and primates. Faculty have direct lines to the VAX, and the departmental computer lab provides student access to the computer.

The major faculty interests include:

Barbara Slifer: Behavioral pharmacology of cocaine; interactions of drugs of abuse; behavioral mechanisms of tolerance and dependence; **Philip Best:** Role of the hippocampus in spatial learning; neurophysiology; neuroanatomy; **James V. Corwin:** Mechanisms of recovery of function from brain damage; animal models of hemispatial neglect; structure and function of prefrontal cortex; **Bruce King:** Biological bases of feeding behavior; neuroendocrinology of obesity; **Gayle Olson and Richard Olson:** Neuropeptides and behavior; opioid agonist and antagonist effects on learning and memory in rodents; opiate system and depression; **Sarah Moody-Thomas:** Social skills assessment and training re: smoking prevention among adolescents; **Joe Moerschbaecher (Adjunct Faculty-LSUMC):** Behavioral pharmacology of opioids and benzodiazepines in rats and primates; drug effects on complex discrimination learning.

Further information may be obtained from the Dept. of Psychology, Univ. of New Orleans, Lakefront, New Orleans, LA 70148, (504) 286-6791.

ADDICTION RESEARCH CENTER GRANTS SECOND ABRAHAM WIKLER AWARD

Jack E. Henningfield

The Abraham Wikler Award was presented to Dr. Avram Goldstein on April 26, 1989, at the Addiction Research Center (ARC), National Institute on Drug Abuse (NIDA) in Baltimore, MD. Dr. Goldstein, Professor of Pharmacology at Stanford University, has had a distinguished career as a theoretician, teacher, basic researcher, clinician, and administrator. His research on the interactions of the opiate molecule with nerve cell membranes led directly to the discovery of opiate receptors in the brain, and his findings have provided a guiding principle for many receptor assays. This work also led to the discovery of endogenous opioid peptides in the brain. He and his colleagues discovered the peptide dynorphin.

(cont. on p. 6)

1989 APA PROGRAM SCHEDULE: DIVISION 28

THURSDAY, AUGUST 10

6:00-9:50 pm (HILTON: Newberry Room). Executive Committee Meeting.

FRIDAY, AUGUST 11

9:00-10:50 am (CONVENTION CENTER: Room 36). Symposium: Excitatory Amino Acids: Agonists, Antagonists and Function. 1. Introduction (James H. Woods, Univ. of Michigan). 2. Interoceptive Stimuli (J. David Leander, Lilly Research Labs., Indianapolis, IN). 3. Effects of Excitatory Amino Acids on Acquisition, Retention and Performance (Joseph M. Moerschbaecher, Department of Pharmacology, Louisiana State Univ. Medical Center). 4. Dipso-genesis (Scott Baron, Univ. of Michigan). 5. Consciousness (James H. Woods, Univ. of Michigan). Chair: James H. Woods, Univ. of Michigan. [Co-Sponsored with DIV 6]

10:00-11:50 am (CONVENTION CENTER: Room 31). Young Psychopharmacologist Award and Address. Behavioral Measures of Opioid Dependence and Withdrawal in Animals (Charles P. France, Department of Pharmacology, Univ. of Michigan). Chair: Larry Byrd, Yerkes Regional Primate Center, Emory Univ.

12:00-12:50 pm (CONVENTION CENTER: Room 7). New Fellow's Address. What Operant "Microscopy" Reveals About the Behavioral Effects of Antipsychotics (Stephen C. Fowler, Univ. of Mississippi). Chair: James E. Smith, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine.

1:00-1:50 pm (CONVENTION CENTER: Room 6). Invited Address. Differential Effects of Benzodiazepines on Learning and Memory (Joseph M. Moerschbaecher, Department of Pharmacology, Louisiana State Univ. Med. Center, New Orleans). Chair: Nancy Ator, Johns Hopkins Univ. Sch. of Medicine. [Co-Sponsored with DIV 25]

1:00-1:50 pm (CONVENTION CENTER: Room 43). Invited Address. Chemicals, A Continuing Threat to Mental Health (Ron Wood, New York Univ) (Miniconvention: Environmental Toxins, Cosponsored by Div 28)

2:00-3:50 pm (CONVENTION CENTER: Room 36). Symposium: The Reinforcing Efficacy of Drugs. 1. Introduction (William Woolverton, Department of Pharmacological and Physiological Sciences, Univ. of Chicago). 2. Relative reinforcing effect of different amounts of pentobarbital (Richard A. Meisch and Gregory A. Lemaire, Department of Psychiatry, Univ. of Texas). 3. Reducing cocaine choice in monkeys (Chris-Ellyn Johanson and Michael Nader, Department of Psychiatry, Uniformed Services Univ. of the Health Sciences). 4. Reinforcement context and human alcohol abuse (Rudy E. Vuchinich and Julie A. Tucker, Wayne State Univ.).

5. Can we scale reinforcing efficacy of drugs and does it tell us anything about abuse liability? (Jonathan Katz, National Institute on Drug Abuse Addiction Research Center, Baltimore, MD). Chair: William Woolverton, Department of Pharmacological and Physiological Sciences, Univ. of Chicago. [Co-Sponsored with DIV 25]

2:00-2:50 pm (CONVENTION CENTER: Room 27). Invited Address: Processing of Spatial Information in the Brain; Phillip J. Best. (Chair: Paul E. Gold) [Division 6, Co-Sponsored by DIV 28]

2:00-2:50 pm (CONVENTION CENTER: Room 9). Paper Session: Health & Aging. (Chair: Tracey A. Reveson, CUNY) [Division 20, Co-Sponsored with DIV 1, 25, 27, 28, 38]

4:00-4:50 pm (CONVENTION CENTER: Room 35). Presidential Address. Analgesics: Inferring Receptor-Mediated Activity from Behavioral Data (Linda Dykstra, U. of N. Carolina at Chapel Hill). Chair: George Bigelow, Johns Hopkins Univ./Key Med. Center.

5:00-5:50 pm (CONVENTION CENTER: Room 35). Division 28 Business Meeting. Chair: Linda A. Dykstra, Univ. of North Carolina at Chapel Hill.

6:00 pm - 7 (HILTON: Room TBA). Division 28 Hospitality Suite. An Informal Paper Session.

SATURDAY, AUGUST 12

9:00-9:50 am (CONVENTION CENTER: Room 37). Invited Address. Dopamine Receptors & Behavior (William L. Woolverton, Department of Pharmacological & Physiological Sciences, Univ. of Chicago). Chair: Chris E. Johanson, Department of Psychiatry, Uniformed Services Univ. of the Health Sciences.

9:00-10:50 am (CONVENTION CENTER: Room 22). Symposium: Facilitating Medication Compliance in the Elderly (Chair: Sherry Willis, Penn St. U.) [DIV 20, Co-Sponsored with DIV 1, 28, 38, 43]

10:00-11:50 am (CONVENTION CENTER: Room 37). Symposium: Role of Behavioral Pharmacology in Drug Development. 1. Introduction (Linda A. Dykstra, Univ. of North Carolina at Chapel Hill). 2. Impact of Behavioral Pharmacology in the Pharmaceutical Industry (F.C. Colpaert, Fondax, Groupe de Recherches Servier, Puteaux, France). 3. Behavioral Pharmacology of Compounds that Enhance Memory (Harlon Shannon, Lilly Research Labs., Indianapolis, IN). 4. Behavioral Pharmacology of Novel Antianxiety Agents (James L. Howard and Gerald T. Pollard, Burroughs Wellcome Company, Research Triangle Park, NC). 5. Behavioral Pharmacology of Competitive and Noncompetitive NMDA Antagonists (J. David Leander, Lilly Research Labs., Indianapolis, IN). Co-Chairs: Linda A. Dykstra, Univ. of North Carolina at Chapel Hill; J. David

Leander, Lilly Research Labs., Indianapolis, IN. Discussants: Dennis Zimmerman, Lilly Research Labs., Indianapolis, IN; Robert L. Balster, Medical College of Virginia, Richmond, VA.

3:00-3:50 pm (CONVENTION CENTER: Room 21). Invited Address: Open letter to the anti-behaviorists: Appreciation of Walter S. Hunter. (Charles N. Cafer, Univ. of N. Carolina). [Division 1]

4:00-4:50 pm (CONVENTION CENTER: Room 21). Invited Address: The Nature of the Stress Response (Adrian Dunn, Louisiana State Univ. Medical School, Shreveport). Chair: Steven Dworkin, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine. [Co-Sponsored with DIV 6]

4:00-5:50 pm (CONVENTION CENTER: Ballroom A) Poster Session: Biological Bases of Behavior. 1. The Contribution of Subject Expectation on Analgesic Efficacy (Manon Houle, Univ. of Western Ontario; S. Kogon, Faculty of Dentistry, Univ. of Western Ontario; P.A. McGrath, Department of Pediatrics, Univ. of Western Ontario; and G. Moran, Univ. of Western Ontario). 2. Sensorimotor Replacement as a Strategy for Smoking Cessation (Jed E. Rose, Frederique Behm, Cyndi Schur, and Naomi Comfort, Department of Psychiatry, Univ. of California: Los Angeles; Edward D. Levin, Univ. of California: Los Angeles; and Donald P. Tashkin, Department of Medicine, Univ. of California: Los Angeles). 3. Smokeless Tobacco Deprivation, Nicotine and Performance (Dorothy K. Hatsukami, Robert M. Keenan, and Deborah J. Anton, Dept. of Psychiatry, Univ. of Minnesota). 4. Effects of Smoking and Smoking Abstinence on Fine Motor Performance (Michael J. Klitzke, Thomas W. Lombardo, and Stephen C. Fowler, Univ. of Mississippi). 5. Physiological and Verbal Manifestations of Smoking Urges Produced Through Imagery (Stephen T. Tiffany, Denise M. Hakenewerth, David J. Drobes, and Peg M. Maude-Griffin, Purdue Univ.). 6. Nicotine Alters Insulin Levels in Rat Hypothalamus (Margarita Raygada, Stephanie M. Nespor, and Neil E. Grunberg, Department of Medical Psychology, Uniformed Services Univ. of the Health Sciences). 7. Nicotine and Body Weight: Examining the Role of Endogenous Opioids (Elizabeth C. Sibolboro and Neil E. Grunberg, Department of Medical Psychology, Uniformed Services Univ. of the Health Sciences). 8. The Effect of Triazolam on Cognitive Performance (Rosemarie L. Duncan, Department of Behavioral Biology, Walter Reed Army Institute of Research, Washington, D.C.; Lisa M. Simon, National Institute of Drug Abuse, Rockville, MD; and Vincent M. O'Donnell, Robert K. Winegar, Debra S. Friedman, and Gregory L. Belenky, Walter Reed Army Institute of Research, Washington, D.C.). 9. Individual Differences in the Effects of Triazolam on Cognitive Performance (Debra S. Friedman, Department of Behavioral Biology, Walter Reed Army Institute of Research, Washington, D.C.; Lisa M. Simon, National Institute on Drug Abuse, Rockville, MD; and Vincent M. O'Donnell, Rosemarie L. Duncan, Robert K. Winegar, and Gregory L. Belenky, Walter Reed Army Institute of Research, Washington, D.C.). 10. The Effects of Triazolam (Halcion) on Human Multi-Operant Responding (Ralph Spiga, Don R. Cherek, Richard A. Meisch, and John D.

Roache, Department of Psychiatry & Behavioral Sciences, Univ. of Texas Health Science Center at Houston). 11. Cholinesterase Inhibitor MSF Enhances One-Trial Reward Learning in Aged Rats (David H. Malin, Patricia J. Toups, Linda D. Osgood, David E. Fowler, K'Ann A. Warren, and Stephanie J. Crouse, Behavioral and Biological Sciences, Univ. of Houston at Clear Lake). 12. Monoamine Oxidase Inhibitors Improve Performance in Animal Models of Hyperactivity (Elizabeth A. Reyes, M. Jack Lee, Allen E. Butt, and Gordon K. Hodge, Univ. of New Mexico). 13. Scopolamine Antagonizes Haloperidol's Effects on Rate and Force of Response (Stephen C. Fowler and Michael A. Kirkpatrick, Univ. of Mississippi). 14. Behavioral Effects of Two D₂-Selective Dopamine Antagonists, Raclopride and Spiperone (Leonard L. Howell, DeLoris M. Wenzel, and Larry D. Byrd, Yerkes Regional Primate Research Center, Emory Univ.). 15. Effects of d-Amphetamine on Choice of Social vs Monetary Reinforcement (Stephen T. Higgins, John R. Hughes, Warren K. Bickel, and Mimi Benedict, Department of Psychiatry, Univ. of Vermont). 16. Training Dose as a Determinant of Morphine's Discriminative Stimulus Properties (Sondra R. Mattox, Mitchell J. Picker, and Linda A. Dykstra, Univ. of North Carolina at Chapel Hill). 17. Enhanced Sensitivity to Mixed-Action Opioids in Morphine-Tolerant Squirrel Monkeys (Alison H. Olive, Linda A. Dykstra and Mitchell J. Picker, Univ. of North Carolina at Chapel Hill). 18. Discriminative Stimulus Reinforcing and Physical Dependence Properties of Acetorphan (Janet S. Knisely, Department of Pharmacology and Toxicology, Medical College of Virginia; Patrick M. Beardsley, G.D. Searle and Company, Skokie, IL; and Mario D. Aceto, Robert L. Balster, and Louis S. Harris, Medical College of Virginia). 19. Tolerance to an Amphetamine Discriminative Stimulus (Elizabeth S. Steigerwald and Alice M. Young, Wayne State Univ.). 20. Discriminative Stimulus Properties of Antihistamines May Involve Mediation by Serotonin (Tammy A. Winters and Barbara L. Slifer, Univ. of New Orleans). 21. Effects of HI Antagonists on Punished Responding in the Rat (Paul A. Gore, Jr. and Barbara L. Slifer, Univ. of New Orleans). 22. Neglect in Rats Following Unilateral Lesions of Caudal PCm (Von R. King and James V. Corwin, Univ. of New Orleans).

6:00 pm - (HILTON: Room TBA). Div. 28 Hospitality Suite. Informal Discussion: Drug Development and Behavioral Pharmacology.

SUNDAY, AUGUST 13

9:00-10:50 am (CONVENTION CENTER: Room 38). Symposium: Contingent Versus Non-Contingent Drug Delivery: Behavioral and Neurobiological Consequences. 1. Introduction (Steven I. Dworkin, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine). 2. Effects of Experimenter Versus Subject Administered Ethanol on Rewarding Brain Stimulation (Conan Kornetsky, Boston Univ. Medical Center School of Medicine). 3. Differential Neurochemical Effects of Contingent and Non-contingent Electrical Brain Stimulation (Linda J. Porrino, Clinical Neuroscience Branch, National Institute on

Neurological Diseases and Stroke, Bethesda, MD). 4. Toxic Consequences of Contingent and Non-contingent Cocaine Administration (Steven I. Dworkin, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine). 5. Patient-Controlled Drug Delivery: Implications for Substance Abuse Issues (James E. Smith, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine). Chair: Steven I. Dworkin, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine. Discussant: Nancy Ator, Johns Hopkins Univ. [Co-Sponsored with DIV 6, 25]

11:00 - 12:50 am (CONVENTION CENTER: Room 42). Symposium: Drug Use And Job Performance Indicators. 1. Introduction (Steven W. Gust, Office of Workplace Initiatives, National Institute on Drug Abuse, Rockville, MD). 2. The Relationship Between Drug Test Results and Job Performance Indicators (Jacques Normand, Office of Selection and Evaluation, United States Postal Service, Washington, DC). 3. Impact of Moderate Alcohol Consumption on Business Decision Making (Sarah M. Jobs, Univ. of Washington). 4. Drugs and Performance: Implications of Laboratory Research for On-site Assessment (Jack Henningfield, National Institute on Drug Abuse Addiction Research Center, Baltimore, MD). 5. Personal and Job Correlates of Drug Use in the Workplace (Michael D. Newcomb, Univ. of Southern California). Chair: Steven W. Gust, Office of Workplace Initiatives, National Institute on Drug Abuse, Rockville, MD. Discussant: J. Michael Walsh, Office of Workplace Initiatives, National Institute on Drug Abuse, Rockville, MD. [Co-Sponsored with DIV 14, 38]

11:00-12:50 pm (CONVENTION CENTER: Room 43) Symposium. State of the Art in Neurotoxicology: Environmental-Occupational Solvent Exposures. [Miniconvention, Co-Sponsored by DIV 28, 38, 40]

1:00-2:50 pm (CONVENTION CENTER: Room 43) Symposium. Low Level Lead Exposure: Is it a Behavioral Teratogen? [Miniconvention, Co-Sponsored by DIV 7, 28, 34, 38,]

2:00-2:50 pm (CONVENTION CENTER: Room 4) Invited Address: Analysis of the Elements of Attention: A Neuropsychological Approach; Allan F. Miesky. (Chair: Conan Kornetsky) [Division 6, Co-Sponsored by DIV 28, 40]

3:00-4:50 pm (CONVENTION CENTER: Room 44) Symposium. Behavioral medicine and health psychology: History and issues. [Division 1]

4:00-4:50 pm (CONVENTION CENTER: Room 37) Invited Addresses: Science Weekend - Mental and Addictive Disorders: Federal Perspectives and Psychology (Lewis Judd, NIMH; Charles Schuster, NIDA).

4:00-5:50 pm (CONVENTION CENTER: Ballroom A) Poster Session: Cultural and Environmental Determinants of Behavior. 1. Alcohol

Expectancies as a Function of Intoxication Level (Vincent J. Adesso, Univ. of Wisconsin-Milwaukee; Bruce A. Christiansen, Sinai Samaritan Medical Center, Milwaukee, WI; and Toby A. Ansfield, Univ. of Wisconsin-Milwaukee). 2. Situational Variation in Alcohol Expectancies (Brian T. Levine and Mark S. Goldman, Univ. of South Florida). 3. Detoxification Fear Effects on Methadone Maintenance Outcome: Five Year Follow-up (Joseph E. Schumacher, Univ. of Alabama at Tuscaloosa; Jesse B. Milby and Beth E. Fishman, Univ. of Alabama at Birmingham). 4. Personality Disorder Classification and Symptoms in Cocaine and Opioid Addicts (Robert M. Malow, Jeffrey A. West, Jayne L. Williams, and Patricia B. Sutker, VA Medical Center, New Orleans, LA). 5. Concurrent Validity of the Motivational Structure Questionnaire for Alcoholics (W. Miles Cox, North Chicago VA Medical Center, North Chicago, IL; Eric Klingler, Univ. of Minnesota; Joseph P. Blount, St. Mary's College; Daniele K. Thaler and Beverly J. Thurman, Indianapolis, IN). 6. Specificity of Familial Patterns of Substance Abuse (Mary E. McCaul and Dace S. Svikis, The Johns Hopkins Univ. School of Medicine). 7. Depression and Drug Use in Mexican-American Youth (Stephanie S. Smith, D. Dwayne Simpson, and Donald Woods, Texas A&M Univ.). 8. The Drinking Styles Questionnaire: Adolescent Drinking Self-Report (Gregory T. Smith, Wayne State Univ.; Mark S. Goldman, Univ. of South Florida; and Bruce A. Christiansen, Univ. of Wisconsin). 9. Determinants of Smoking Status of Black Urban Adolescents (Ana Correa Fick and Sarah Moody-Thomas, Univ. of New Orleans).

6:00-11:00 pm: U. of New Orleans Dept. of Psychology hosts a New Orleans style Jazz Dinner at UNO/Lakefront. Featuring: Cash bar; New Orleans banquet; guest speaker Michael Cole, Ph.D., UC San Diego, speaking on Culture and Human Development; jazz performance. For tickets, send \$20/person to Barbara Slifer, Dept. of Psychology, Univ. of New Orleans, Lakefront, New Orleans, LA 70148, (504) 286-6791.

MONDAY, AUGUST 14

9:00-10:50 am (CONVENTION CENTER: Room 20). Symposium: Extended Use of Nicotine Gum for Smoking Cessation. 1. Frequency of Extended Use of Nicotine Gum in the Lung Health Study (Wendy Bjornson-Benson, Oregon Health Sciences Univ.). 2. Gender and Age Differences in Long-term Use of Nicotine Gum (Peggy Russell, Western Psychiatric Institute And Clinic, Univ. of Pittsburgh School of Medicine). 3. Weight Gain as a Function of Smoking Cessation and 2 mg Nicotine Gum Use at One Year Follow-up (Mitchell A. Nides, Univ. of California at Los Angeles). Chair: Cynthia S. Rand, Johns Hopkins School of Medicine. Discussant: Ellen Gritz, Univ. of California at Los Angeles. [Co-Sponsored with DIV 38]

11:00-11:50 am (CONVENTION CENTER: Room 29). New Fellow's Address. Characterization of the Tobacco Withdrawal Syndrome and Implications for Treatment (Dorothy K. Hatsukami, Depart-

ment of Psychiatry, Univ. of Minnesota). Chair: Jack Henningfield, National Institute on Drug Abuse Addiction Research Center, Baltimore, MD.

11:00-12:50 pm (HILTON: Jasperwood Room) Symposium: Frank A. Beach: In Memoriam (Chair: Arnold A. Gerall). Participants: Donald A. Dewsbury, Introduction: Frank A. Beach: A Pictorial Biography; Norman T. Adler, Frank A. Beach: A Psychologist's Adventures in Biology; Arnold A. Gerall, Frank A. Beach: Sexual Development-Contributions and Controversies; Donald A. Dewsbury, Frank A. Beach and Comparative Psychology; Stephen E. Glickman, Frank A. Beach: Meets the Spotted Hyena. [Co-Sponsored by DIV 3, 26, 28]

12:00-1:50 pm (CONVENTION CENTER: Room 23) Paper Session: Stimulants and Anxiolytics: Behavioral and Physiological Effects. 1. Cocaine Base Smoking in Rhesus Monkeys (Marilyn E. Carroll, Gilberto N. Carmona, and Kelly L. Krattinger, Department of Psychiatry, University of Minnesota). 2. Intranasal Cocaine: Effects on Learning and Performance in Humans (Stephen T. Higgins, John R. Hughes, Warren K. Bickel, Mark A. Capeless, and Mary R. Lynn, Department of Psychiatry, University of Vermont). 3. Cocaine Related Expectancies: Their Domain and Implications for Treatment (Adam J. Jaffe, Yale University School of Medicine; and M. Marlene Kilbey and Gerald R. Rosenbaum, Wayne State University). 4. Discriminative Stimulus Effects of d-Amphetamine, Methylphenidate, and Diazepam in Humans (Stephen J. Heishman, W. Robert Lange, and Jack E. Henningfield, NIDA Addiction Research Center, Baltimore, MD). 5. Effects of Buspirone and Diazepam on Mood and Behavior (Warren K. Bickel, John R. Hughes, Stephen T. Higgins, and Mark Capeless, Department of Psychiatry, University of Vermont). 6. Effects of Nicotine Upon Punished and Non-Punished Responding in Humans (Robert H. Bennett and Don R. Cherek, Department of Psychiatry and Behavioral Sciences, The University of Texas Health Science Center at Houston). 7. Nicotine, Stress, and Corticosteroid Activity (Ovide F. Pomerleau and Cynthia S. Pomerleau, Department of Psychiatry, University of Michigan School of Medicine). Chair: Stephen C. Fowler, University of Mississippi.

1:00-2:50 pm (CONVENTION CENTER: Room) Symposium: The Neural Basis of Drug Abuse (Chair: Allan F. Mirsky). Participants: Allan F. Mirsky, The Neural Basis of Drug Abuse; Conan Kornetsky, The Neurobehavioral Bases for Drug-Induced Euphoria; Bartley G. Hoebel, Neural Basis of Cocaine and Nicotine Reward; James E. Smith, The Neural Bases of Drug Abuse. [Division 6, Co-Sponsored by DIV 28, 40]

1:00-2:50 pm (HILTON: Jasperwood Room) Panel Discussion: Media, Politics, and the Drug Abuse "Crisis": Real, Overstated, or Misstated? Participants: T. George Harris (*American Health, Psychology Today*), Daniel Goleman (*New York Times*), Peter Nathan (Rutgers Univ.), Charles Schuster (NIDA). Chair: Richard I. Evans, Univ. of Houston.

2:00-3:50 pm (CONVENTION CENTER: Room 36). New Fellows' Addresses. 1. Perinatal Drug Abuse: Research and Clinical Issues (Theo Sonderegger, U. of Nebraska, Lincoln). 2. New Developments in the Effects of CNS Stimulants on ADD Children (William Pelham, Western Psychiatric Institute & Clinic, Univ. of Pittsburgh Sch. of Medicine). Chair: Warren Bickel, Univ. of Vermont.

3:00-3:50 pm (CONVENTION CENTER: Room 2) Presidential Address: Taste Genetics: Why Do We Live in Different Taste Worlds? Linda M. Bartoshuk. (Chair: Fred A. King) [Division 6, Co-Sponsored by DIV 28, 40]

4:00-4:50 pm (CONVENTION CENTER: Room 6). Invited Address. Drug and HIV Screens as Social Policy Tools? (John G. Grabowski, Univ. of Texas Health Sciences Center). Chair: Steven Dworkin, Department of Physiology and Pharmacology, Wake Forest Univ., Bowman Gray School of Medicine. [Co-Sponsored with DIV 14]

TUESDAY, AUGUST 15

9:00-10:50 am (CONVENTION CENTER: Room TBA) Discussion Session: APA Organizational Issues: Impact on Our Divisions (Chair: Bob Perloff, Univ Pitts.) Participants: Raymond D. Fowler, Univ Tenn.; Janet Spence, Univ of Texas-Austin; David A. Chiriboga, UTMB; Ralph Miller, SUNY-Binghamton; Frank Farley, Univ Wisc-Madison; James F. Alexander, Univ Utah; John M. Darley, Princeton; Florence L. Denmark, Pace Univ; Charles D. Spielberger, Univ S. Florida; Linas A. Bieliauskas, Rush-Presbyterian St. Luke's Med Ctr, Chicago, IL. [Division 20, Co-Sponsored with DIV 1, 3, 5, 8, 12, 27, 28, 31, 35, 40]

9:00-9:50 pm (CONVENTION CENTER: Room 11) Invited Address. Distinguished pioneer: John B. Watson. (Charles N. Brewer, Furman Univ.). [Division 1]

WIKLER AWARD (cont.)

The Abraham Wikler Award/Lectureship series was initiated in memory of Abraham Wikler, M.D., who served the Addiction Research Center (ARC) as Associate Director and Chief of the Section on Experimental Neuropsychiatry from 1943 to 1963. Dr. Wikler stood in the forefront of research in psychopharmacology and was the first to apply systematically the concepts of conditioning to the scientific analysis of drug-seeking behavior and physical dependence to addicting drugs. The Award includes a bronze cast Abraham Wikler Memorial plaque and a \$1,000 honorarium. The first Wikler Award was presented in 1988 to Dr. Charles P. O'Brien, U. of PA VAMC, for his work in establishing the clinical importance of Wikler's theories on the role of behavioral conditioning processes in the maintenance of drug dependence.

IN MEMORIAM

Fogle C. Clark
(1928 - 1989)

Fogle C. Clark, a Fellow of the APA and a friend and colleague to many in behavioral pharmacology, died recently in Charleston, South Carolina, after an extended illness.

Born August 5, 1928, in Southern Pines, NC, he entered Texas A&M in 1945 as an engineering major, then transferred to the UNC at Chapel Hill, where he received a B.A. in Romance Languages in 1950. After 3 years in the army, Fogle returned to UNC for graduate studies in Experimental Psychology and Philosophy, receiving his Ph.D. in 1957.

During the next 20 years, Fogle was active in research at the U. of KY, Evansville State Hospital in Indiana, UNC at Chapel Hill, and the U. of MS. His research included studies of the behavioral effects of drugs on schedule-controlled and adjunctive behavior in rats, pigeons, and monkeys, the maintenance of complex operant performances in chimpanzees and squirrel monkeys, the discriminative-stimulus properties of gravitational forces, and psychophysical studies using signal detection. He served as a consultant to NASA, participating in launches that carried squirrel monkeys and a chimpanzee into space.

Fogle's first research publication was in JEAB in 1958; his last was in the same journal. In between, he published many frequently-cited papers in the primary journals in behavioral pharmacology. During his later years, he became interested in exploring rivers. He founded his own publishing business, Recreational Publications, to publish and distribute his topographical guide maps for several protected rivers and canoe trails, at least one of which was selected by the U.S. Department of the Interior as the official guide map to natural waterways. (*James B. Smith*)

RESEARCH SUPPORT COMMITTEE MEETS

Marian W. Fischman

The John Hopkins Univ. School of Medicine

APA's Committee on Research Support met on June 5, 1989. Several of its programs may interest members:

1. For two years APA has awarded travel funds to graduate students for APA meeting attendance and dissertation research. Around 30% of applications have been funded.
2. APA is beginning a Scientific Psychology Action Network to provide information about psychology for members of Congress and about legislative, regulatory, and

funding issues to network participants. It is intended as a grassroots network for researchers willing to develop contact with their Senators and Representatives. Information is being disseminated to participants via BITNET.

3. Current information on sources of funding for behavioral research is available free through the Research Psychology Funding Bulletin, which lists funding announcements by title, with a one-line description of contents. The index is electronically mailed to subscribers via BITNET.

For further information, contact Suzanne Wandersman at the Science Directorate office (202-955-7653).

OPEN POSITIONS

Research Associate: Opportunity to coordinate research on human behavioral/clinical pharmacology involving nicotine and smoking. Experience & training in human laboratory experimentation required; knowledge of psychophysiology & behavioral pharmacology highly desired. Position is most suitable for M.A. level, but Ph.D. applicants may also be appropriate. Salary commensurate with experience and training. Preferred start date is 9/1/89. Send CV, names of 3 references, and statement of career objectives to: Dr. Kenneth A. Perkins, Behavioral Pharmacology Lab, Western Psychiatric Institute & Clinic, U. of Pittsburgh Sch. of Medicine, 3811 O'Hara St., Pittsburgh, PA 15213, (412) 624-1716.

Postdoctoral Fellowship: Position available immediately for the study of parkinsonism and neural transplantation in nonhuman primates. Areas of research include adrenal autografts, allogeneic fetal grafts, immunobiology of neurografts, neurobehavioral assessment, and development of cell lines for grafting. Competitive applicants will have experience with neural transplantation and/or tissue culturing. Send CV, 3 letters of reference and a statement summarizing research interests and laboratory skills to: Roy A.E. Bakay, M.D. or Larry D. Byrd, Ph.D., Yerkes Regional Primate Research Center, Emory Univ., Atlanta, GA 30322, (404) 727-7730. Emory U. is an equal opportunity employer.

Postdoctoral Research Fellowship in Alcohol Research: 2-year appointment, beginning in 7/89 or 9/89, with the Addictive Behaviors Research Center in the Dept. of Psychology at the U. of Washington, funded by the National Institute on Alcohol Abuse and Alcoholism. The purpose is to provide postdoctoral training for individuals who wish to pursue a career in alcohol research, with emphasis on the etiology & prevention of problem drinking & alcoholism. Topic will be approached from psychosocial & biobehavioral perspectives; individuals with training in any relevant areas of psychology (clinical, health psychology, physiological, social, cognitive, behavioral pharmacology, etc.) are encouraged to apply. Applications will be accepted starting 6/1/89 and continuing until 2 positions are filled. Applicants should submit cover letter indicating areas of research interest, CV, and 3 letters of recommendation to: Alan Marlatt, Ph.D., Director, Addictive Behaviors Research Center, Dept. of Psychology (NI-25), U. of Washington, Seattle, WA 98195.

DIVISION 28 OFFICERS

<i>Elected:</i>		<i>Term on Council</i>
President	Linda A. Dykstra	9/87-8/90
President-Elect	Robert L. Balster	8/88-8/91
Past-President	George E. Bigelow	9/86-8/89
Council Representative	John G. Grabowski	2/88-2/91
Members-at-large	Marian W. Fischman	9/86-8/89
	Sharon M. Hall	9/87-8/90
	Alice M. Young	8/88-8/91

Appointed:

Treasurer	Jack E. Henningfield	8/88-8/91
Secretary	Stephen T. Higgins	8/88-8/90
Program Chair, 1988	Barbara L. Slifer	9/87-8/90
Past-Program Chair	Larry D. Byrd	9/86-8/89
Incoming Program Chair	Warren K. Bickel	8/88-8/91
Newsletter Editor	Cynthia S. Pomerleau	5/88-8/91
Membership Chair	Stephen C. Fowler	8/88-8/91
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ASPET Liaison Officers	John A. Harvey	9/87-8/89
	Linda A. Dykstra	9/87-8/89
APA Public Affairs Liaison	Robert L. Balster	8/88-8/89

SUBMISSION OF COPY FOR THE NEWSLETTER

Readers are invited to submit articles and information of general interest to Division 28 members. Book reviews and Letters to the Editor will be considered for possible inclusion. Copy for the *Newsletter* may be submitted: 1. Typed double-spaced on standard bond paper; OR 2. On diskette—preferably word-processed on IBM-compatible equipment. We use Wordstar Professional 5.0 but can translate from most other widely-used word processing programs. **BE SURE TO INCLUDE HARD COPY IN CASE THE DISKETTE IS DAMAGED IN THE MAIL.**

The *Newsletter* is published on a quarterly basis and will appear 4-6 weeks after each deadline. Deadlines for submission of materials are:

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

Submit materials for inclusion in the *Newsletter* to:

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