

PSYCHOPHARMACOLOGY NEWSLETTER

(DIVISION 28 - THE AMERICAN PSYCHOLOGICAL ASSOCIATION)

SUMMER, 1977

APA TO STUDY CONCERNS OF ACADEMICS/ RESEARCHERS

There has been a growing concern among many academic and research psychologists that the present structure and direction of APA may not be consistent with their best interests. Accordingly, the APA Board of Scientific Affairs has organized an ad hoc committee to study the matter and make recommendations. The committee had its first meeting in May and decided to invite and solicit views and opinions from the membership on the following key questions. (1) Does the present structure of APA meet the needs of all psychologists including those active in academics and research? (2) What problems exist with respect to the concerns of academic/research psychologists and how can APA deal with them? (3) What is the role of academic/research psychologists in the future of APA as more APA members become involved in the delivery of psychological services? These questions, while not exhaustive, are intended to provide a focal point of inquiry for the committee and direction to its activities. Comments and recommendations relative to the questions should be directed to the ten committee members (Richard Thompson, Frances Graham, John Lacey, Elizabeth Loftus, William Prokasy, Jerome Singer, Sally Sperling, Theodore Blau, Robert Perloff and Felicia Pryor) or the Office of Scientific Affairs at APA. Members of Division 28 can be affected by the findings and actions of this committee and, therefore, we should not ignore the opportunity to make the committee and APA aware of our views. If APA is to be responsive to the interests of all psychologists, including those in the academic/research areas, the committee must be armed with information and material for developing appropriate supportive recommendations.

CLINICAL NEUROPSYCHOLOGY TRAINING

Several predoctoral traineeships will be available under a NIMH funded program to prepare individuals for research on the relation of behavior to brain function in humans. The program includes a 9.8-month stipend and requires study of cognition, perception, language and biopsychology during the first and second years, followed by a full-time period at Upstate Medical Center in Syracuse. For information, contact Bruce P. Halpern, Program Director, Department of Psychology, Cornell University, Ithaca, New York 14853.

INTERDISCIPLINARY SYMPOSIUM

Efforts are underway to organize an interdisciplinary symposium at the upcoming APA convention in which current research in the areas of human perception, memory, cognition and drug response can be discussed. An informal format with brief presentations of up-to-the-minute findings and interchanges of information and subjects (hopefully over wine and cheese) is planned. The Psychopharmacology Headquarters room has been reserved for Friday, August 26, at 5:00 PM. Anyone with an interest is asked to contact Bronson Levin or Richard Stillman, M.D., at the Laboratory of Clinical Psychopharmacology, WAW Building, St. Elizabeth's Hospital, Washington, D. C., phone: (202) 574-7476.

DIVISION 28 BUSINESS MEETING

All members are urged to attend the business meeting in San Francisco at 4:00 PM, Monday, August 29. Consult your APA program for location.

RENOWNED SCIENTISTS TO ADDRESS APA CONVENTION

The Division 28 Program Committee with Marian Fischman as Chairperson has arranged an excellent series of paper sessions, symposia and invited addresses as part of the annual APA convention in San Francisco. The high points of the meeting comprise addresses by several outstanding scientists. On Friday, August 26, Larry Stein will give the James Olds Memorial Lecture entitled "Substrates of Reward: A Tribute to James Olds." Peter Dews will speak on "Origins and Future of Behavioral Pharmacology" in an invited address scheduled for Saturday, August 27. The following day, Sunday, August 28, will feature a tribute to Hans-Lukas Teuber during which Brenda Milner and Walle Nauta will address the convention. On Monday, August 29, Avram Goldstein, a recent recipient of a National Institute on Drug Abuse Pacesetter Research Award, will speak on "Surrogate Opiates in the Treatment of Heroin Addiction." In addition to these invited addresses, there are six symposia on "Conditioned Tolerance and Opponent Processes," "Lead-Induced CNS Changes and Patterning of Behavior," "Animal Models of Alcohol Intake," "Contributions of Behavioral Pharmacology to the Analysis of Behavior," "Human Drug Self-Administration: Experimental Studies," "Effects of Prenatal and Postnatal Toxic Exposures on Behavioral Development," and five formal paper sessions. A detailed listing of Division 28 program participants, times and places appears in this issue of the Newsletter.

RECENT PUBLICATIONS

- Barchas, J. D., Berger, P. A., Ciaranello, R. E. and Elliott, G. R. (Eds.): Psychopharmacology: From Theory to Practice. Oxford University Press, New York, 1977.
- Bassuk, E. L. and Schoonover, S. G. The Practitioner's Guide to Psychoactive Drugs. New York: Plenum Publishing Corp., 1977.
- Davies, D. M. (Ed.), Textbook of Adverse Drug Reactions. New York: Oxford University Press, 1977.
- Dornbush, R. L., Freedman, A. M. and Fink, M. (Eds.), Chronic Cannabis Use. New York: New York Academy of Sciences, 1976.
- Ellinwood, E. H., Jr. (Ed.), Cocaine and Other Stimulants. New York: Plenum Publishing Corp., 1977.
- Goldsmith, W. Psychiatric Drugs for the Non-Medical Mental Health Worker. Springfield, Illinois: Charles C. Thomas, 1977.
- Radouco-Thomas C. (Ed.), Progress in Neuro-Psychopharmacology. New York: Pergamon Press, 1977.
- Staub, G. E. and Kent, L. M. The Paraprofessional in the Treatment of Alcoholism: A New Profession. Springfield, Illinois: Charles C. Thomas, 1976.
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1977 DIVISION 28 APA PROGRAM

San Francisco, August 26-29, 1977

Friday, August 26:

- 9:00 - 10:50 am Symposium: **CONDITIONED TOLERANCE AND OPPONENT PROCESSES**
N. Krasnegor, National Institute on Drug Abuse, Division of Research, Rockville, Maryland, Chair.
- Participants:
- Morphine Conditioning Effects at the Synaptic Level. J. E. Comaty, The Chicago Medical School/University of Health Sciences, Chicago, Illinois.
- Expectancy of Lithium Malaise: Evidence of a Conditioned Opponent Process. M. J. Domjan, University of Texas at Austin, Austin, Texas.
- Development of Tolerance: A Neuroanatomical and Neuropharmacological Analysis. R. P. Kesner, University of Utah, Salt Lake City, Utah.
- The Role of Classical Conditioning in Drug Tolerance and Abuse. S. Siegel, McMaster University, Hamilton, Ontario, Canada.
- Conditioned Tolerance to Hydromorphone Infusions in Human Opiate Addicts. T. J. Testa, University of Pennsylvania, Philadelphia, Pennsylvania.
- Morphine Conditioned Taste Aversion in Morphine Tolerant Rats. J. W. Ternes, University of Pennsylvania, Philadelphia, Pennsylvania.
- Discussants:
- C. R. Schuster, University of Chicago, Chicago, Illinois.
- 1:00 - 2:50 pm Symposium: **LEAD-INDUCED CNS CHANGES AND PATTERNING OF BEHAVIOR**
G. G. Karas, Iowa State University, Ames, Iowa, Chair.
- Participants:
- An Interdisciplinary Profile of Developmental Lead Toxicity. H. Zenick and J. Ward, New Mexico Highlands University, Las Vegas, New Mexico; H. M. Murray and D. M. Feeney, University of New Mexico, Albuquerque, New Mexico.
- Time-Lapse Analysis of Lead Effects on Behavior and Responses to Amphetamine. P. Mullenix, Johns Hopkins School of Hygiene and Public Health, Baltimore, Maryland.
- Methodologies for Assessing Effects of CNS Toxicants in Primates. D. L. Hopper, W. L. Cunningham and W. J. Kernan, Iowa State University, Ames, Iowa.
- Models of Neurotoxicity of Lead. J. J. Chisolm, Jr., Baltimore City Hospital, Baltimore, Maryland.
- Discussants:
- S. Norton, University of Kansas Medical Center, College of Health, Sciences and Hospital, Kansas City, Kansas.
- L. Reiter, Environmental Protection Agency, Research Triangle Park, North Carolina.
- 3:00 - 3:50 pm Invited Address: **JAMES OLDS MEMORIAL LECTURE**
- Participant:
- The Substrates of Reward: A Tribute to James Olds. L. Stein, Wyeth Laboratories, Radnor, Pennsylvania.

- 4:00 - 4:50 pm Paper Session, P. K. Levison, Chair.
- Inhibition of Delta 9-Tetrahydrocannabinol Metabolism Enhances and Prolongs Depressant Effect. W. Barry III, University of Pittsburgh, Pittsburgh, Pennsylvania, and R. D. Sofia, Wallace Laboratories, Cranbury, New Jersey.
- Interactions Between Ethanol and Caffeine or Amphetamine in the Pigeon. M. L. Healey and L. A. Dykstra, University of North Carolina, Chapel Hill, North Carolina.
- Behavioral Deficits in Adult Rats Following Postnatal Lead Exposure. L. Hastings, R. L. Bornschein and I. A. Michaelson, University of Cincinnati, Cincinnati, Ohio.

Saturday, August 27:

- 9:00 - 10:50 am Symposium: ANIMAL MODELS OF ALCOHOL INTAKE

R. A. Marcus, National Institute on Alcohol, Alcohol Abuse and Alcoholism, Rockville, Maryland, Chair.

Participants:

Alcoholism as an Adjunctive Behavior. J. L. Falk, Rutgers College, New Brunswick, New Jersey.

Ethanol Drinking by Rhesus Monkeys. R. A. Meisch, University of Minnesota, Minneapolis, Minnesota.

Responding Maintained by Intravenous Ethanol in the Rhesus Monkey. G. D. Winger, University of Michigan Medical School, Ann Arbor, Michigan.

Discussants:

T. J. Cicero, Washington University School of Medicine, St. Louis, Missouri.

- 12:00 - 1:50 pm Paper Session, C. E. Johanson, Chair.

Procaine as a Reinforcer for Intravenous Self-Administration Behavior. R. L. Balster, R. D. Ford and T. G. Aigner, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia.

Self-Titration of Cocaine Dose by Monkeys on Adjusting Schedules. R. N. Grove, R. Verreault and C. Radouco-Thomas, Laval University, Quebec, Canada.

Heroin Self-Administration in the Baboon Under Conditions of Free Access.

T. P. Elsmore, F. J. Sodetz, G. V. Fletcher and D. C. Conrad, Walter Reed Army Institute of Research, Washington, D. C.

Analysis of Progressive-Ratio Performance Maintained by Cocaine in Baboons. R. R. Griffiths, L. D. Bradford, J. V. Brady and J. D. Snell, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

Drug Effects on Multiple Schedule Performance: Varying the Stimulus Control. J. D. Leander, University of North Carolina, Chapel Hill, North Carolina.

Food Reinforcement Schedule Values and Weight Maintenance During Ethanol Consumption. P. K. Brandon, Mankato State College, Mankato, Minnesota.

- 2:00 - 2:50 pm Invited Address, L. D. Byrd, Chair.

The Origins and Future of Behavioral Pharmacology. P. B. Bews, Harvard Medical School, Boston, Massachusetts.

Sunday, August 28:

10:00 - 11:50 am Paper Session, R. Balster, Chair.

- Changes in Heart Rate Following Cigarette Smoking and Abstinence. E. R. Gritz, UCLA, Brentwood Veterans Administration Hospital, P. Popek, Brentwood Veterans Administration Hospital, J. Haber, UCLA, and M. E. Jarvik, UCLA, Brentwood Veterans Administration Hospital, Los Angeles, California.
- Affective Determinates of Psychophysiological Responses to Marijuana in Recreational Users. A. L. Schueneman, Loyola University of Chicago, Chicago, Illinois.
- Facilitation of Human Social Behavior by *d*-Amphetamine. M. Stitzer and R. Griffiths, Baltimore City Hospitals and Johns Hopkins Medical School, Baltimore, Maryland.
- The Effect of Chlorpromazine Withdrawal on Retarded Adults: An Experimental Analysis. D. Marholin II, Boston University, P. E. Touchette, Eunice Kennedy Shriver Center and Harvard Medical School and R. M. Steward, Massachusetts General Hospital, Boston, Massachusetts.
- Prediction of Extrapyrarnidal Effects of Neuroleptic Therapy Using Visuo-motor Tasks. C. A. Hopewell, Mental Hygiene Consultation Service, Ft. Jackson, South Carolina and H. Aronson, North Texas State University, Denton, Texas.

1:00 - 1:50 pm Paper Session, R. Grove, Chair.

- Narcotic Discrimination: Determination of Relative Potency and Role of Analgesia. S. L. Miksic, H. Lal and N. Smith, University of Rhode Island, Kingston, Rhode Island.
- Effects of Increasing Alcohol Concentrations on Fixed Ratio Behavior. R. S. Davidson and A. Alvarez, Veterans Administration Hospital, Miami, Florida.
- Adrenergic and Cholinergic Drug Effects Upon Short-Term Memory in Mice. J. G. Marriott, Parke-Davis Research Laboratories, Ann Arbor, Michigan, and H. P. Alpern, University of Colorado, Boulder, Colorado.

2:00 - 3:50 pm Symposium: CONTRIBUTIONS OF BEHAVIORAL PHARMACOLOGY TO THE ANALYSIS OF BEHAVIOR

M. N. Branch, University of Florida, Gainesville, Florida, Chair.

Participants:

- The Effects of Drugs on Aversively Controlled Behaviors. J. E. Barrett, University of Maryland, College Park, Maryland, and J. W. McKearney, Worcester Foundation for Experimental Biology, Shrewsbury, Massachusetts.
- Implications of the Study of Drug Self-Administration for the Concept of Reinforcement. R. D. Spealman and S. R. Goldberg, New England Regional Primate Research Center, Harvard Medical School, Southborough, Massachusetts.
- A Pharmacological Analysis of Large Fixed-Ratio Performance. M. J. Marr, Georgia Institute of Technology, Atlanta, Georgia.
- Contributions of Behavioral Pharmacology to the Experimental Analysis of Behavior. V. G. Laties, University of Rochester Medical Center, Rochester, New York.

Discussants:

A. C. Catania, University of Maryland, Baltimore, Maryland.

4:00 - 4:50 pm HANS TEUBER MEMORIAL LECTURE (co-sponsored with Division 6).

Monday, August 29:

9:00 - 9:50 am Paper Session, D. Overton, Chair.

Associative Explanation of Pretreatment Effects on Gustatory Conditioning by Drugs. H. D. Cappell, Addiction Research Foundation, Toronto, Ontario, Canada.

Amphetamine Effects on Lateral Geniculate Neuronal Activity. E. D. Bigler, Barrow Neurological Institute, St. Joseph's Hospital and Medical Center, Phoenix, Arizona.

Sustained Ingestion of Methadone, Prolonged Withdrawal and the Sleep of Macaques. E. W. Snyder, Veterans Administration Hospital, E. C. Beck and R. E. Dustman, Veterans Administration Hospital and University of Utah, Salt Lake City, Utah.

Slowed Discrimination Reversal Acquisition in Parathion Exposed Squirrel Monkeys (*Saimiri sciureus*). W. L. Cunningham, D. L. Hopper, G. G. Karas and W. B. Buck, Iowa State University, Ames, Iowa.

10:00 - 11:50 am Symposium: HUMAN DRUG SELF-ADMINISTRATION: EXPERIMENTAL STUDIES

N. Krasnegor, National Institute on Drug Abuse, Rockville, Maryland, Chair.

Participants:

Effects of Purchase Price and Social Influence on Marijuana Self-Administration. T. F. Babor, J. H. Mendelson, I. Greenberg and J. C. Keuhle, Harvard Medical School, Boston, Massachusetts.

Human Drug Self-Administration: Double-Blind Comparison of Placebo, Diazepam and Chlorpromazine. R. R. Griffiths and I. Liebson, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

Dose Preferences in Pentobarbital Self-Administration. R. Pickens, M. Cunningham, L. Heston, E. Eckert and L. Gustavson, University of Minnesota, Minneapolis, Minnesota.

Influencing Drug Self-Administration in a Methadone Maintenance Clinic. M. Stitzer and G. Bigelow, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

Drug Preference in Humans. C. Johanson and E. Uhlenhuth, University of Chicago, Chicago, Illinois.

Self-Administration of Prescribed Anorectics: Double-Blind Comparison of *d*-Amphetamine, Fenfluramine and Placebo. G. Bigelow and J. Kaliszak, The Johns Hopkins University School of Medicine, Baltimore, Maryland.

Discussants:

C. R. Schuster, University of Chicago, Chicago, Illinois.

1:00 - 1:50 pm Invited Address, P. Carlton, Chair.

Surrogate Opiates in the Treatment of Heroin Addiction. A. Goldstein, Stanford University, Palo Alto, California.

2:00 - 3:50 pm Symposium: EFFECTS OF PRENATAL AND POSTNATAL TOXIC EXPOSURES ON BEHAVIORAL DEVELOPMENT

M. I. Gage and H. A. Tillson, U.S. Environmental Protection Agency and U.S. National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, Chair.

Participants:

New Behavioral Measures in Young Rats Exposed to Drugs Prenatally. D.E. Hutchings, New York State Psychiatric Institute, New York, New York.

Behavioral Analysis of Mice Following Low-Level Neonatal Lead Exposure. L. S. Rafales, R. L. Bornschein and I. A. Michaelson, University of Cincinnati, Cincinnati, Ohio.

Squirrel Monkeys Exposed Pre- and Post-Natally to Potentially Hazardous Agents. J. N. Kaplan, Stanford Research Institute, Menlo Park, California.

Methodologies in Screening for Developmental Psychotoxicity from Food Additives. R. E. Butcher, R. L. Brunner and C. V. Vorhees, Children's Hospital Research Foundation, Cincinnati, Ohio, and T. J. Sobotka, Food and Drug Administration, Washington, D. C.

Discussants:

S. Levine, Stanford University School of Medicine, Stanford, California.

4:00 - 4:50 pm Division 28 Business Meeting, P. Carlton, Chair.

5:00 - 7:00 pm Social Hour, with Divisions 3, 6 and 25.

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Hospitality Suite

Division 28 is arranging a suite to be available in the St. Francis Hotel, Friday through Sunday evenings.

Informal Paper Sessions

Anyone wishing to organize an informal session should contact the Program Chair, Dr. Marian W. Fischman, at (312) 947-6980.

