

NEWSLETTER

ISGIDAR

VOL. 13, NO. 3
AUGUST 1987

INTERNATIONAL STUDY GROUP INVESTIGATING DRUGS AS REINFORCERS

CORRESPONDENCE

ABOUT ISGIDAR:

Dr. Nancy A. Ator
Division of Behavioral
Biology
The Johns Hopkins University
Medical School
720 Rutland Avenue, 623
Baltimore, MD 21205
301-955-3135

ABOUT ISGIDAR NEWSLETTER:

Dr. Harriet de Wit
Dept. of Psychiatry
The University of Chicago
5841 S. Maryland
Chicago, IL 60637
312-702-1537

**Annual Meeting of the International Study Group
Investigating Drugs as Reinforcers
with
The Society for the Stimulus Properties of Drugs
Adam's Mark Hotel
Philadelphia, PA
June 14-17, 1987**

Intravenous self-administration of antihistamines by rhesus monkeys. P.M. Beardsley, R.L. Balster and L.S. Harris. Medical College of Virginia, Richmond, VA, USA.

Second-order cocaine self-administration in the rat: Comparison of intravenous and subcutaneous routes of administration. W.A. Corrigan, S. Herling, K.M. Coen and G. Palmer. Addiction Research Foundation, Toronto, Ontario, Canada.

Evidence for D2-receptor involvement in tolerance to the discriminative stimulus properties of cocaine. M.W. Emmett-Oglesby and D.M. Wood. Texas College of Osteopathic Medicine, Ft. Worth, TX, USA.

The discriminative stimulus properties of antihistamines in pigeons. S.E. Evans, J.P. Zacny, C.E. Johanson and W.L. Woolverton. University of Chicago, Chicago, IL, USA.

The regularity of marijuana self-administration in a residential environment. R.W. Foltin, M.W. Fischman and J.V. Brady. Johns Hopkins Medical School, Baltimore, MD, USA

Oral cocaine self-administration in C57BL/6J mice. F.R. George, G.I. Elmer, S.R. Goldberg. National Institute on Drug Abuse, Baltimore, MD, USA.

Anxiogenic property of the putative ethanol antagonist RO 15-4513 in a pentylenetetrazol discrimination. C.M. Harris, D. Benjamin, H. Lal. Texas College of Osteopathic Medicine, Ft. Worth, TX, USA.

Caffeine as a reinforcer in moderate coffee drinkers. J.R. Hughes, S.T. Higgins, S. Gulliver and G. Mireault. University of Vermont, Burlington, VT, USA.

Chronic self-administration of nicotine and placebo gums by abstinent smokers. J.R. Hughes, S.T. Higgins, S. Gust and R. Keenan. University of Vermont, Burlington, VT, USA.

Self-administration of orally delivered ethanol by rhesus monkeys: Choice between different amounts of concurrently available ethanol. R.A. Meisch and G.A. Lemaire. University of Minnesota, Minneapolis, MN, USA.

Acquisition and generalization measures of sensitivity to drug stimuli. L. Peoples and A. Tomie. Rutgers University, New Brunswick, NJ, USA.

Discriminative stimulus effects of intravenously administered 1-nicotine, d-nicotine, 1-nornicotine and 1-cotinine in squirrel monkeys. M.D. Swedberg, K. Takada, J.L. Katz and S.R. Goldberg. National Institute on Drug Abuse, Baltimore, MD, USA.

Discriminative stimulus properties of PCP and related compounds in pigeons trained to discriminate 5.0 mg/kg pentobarbital from saline. W.D. Wessinger. University of Arkansas for Medical Sciences, Little Rock, AK, USA

Effects of bromocriptine and desmethyilmipramine on cocaine self-administration in rhesus monkeys. W.L. Woolverton and M.S. Kleven. University of Chicago, Chicago, IL, USA.

ISGIDAR BUSINESS MEETING

Treasurer's report: Treasurer David Downs was unable to attend this year's meeting. President Bill Woolverton reported that \$615.00 was received at this year's ISGIDAR meeting, bringing the new balance to \$1683.11 (before paying 1987 meeting expenses).

President Woolverton reported that there were no submissions for the travel award this year so no award was given. ISGIDAR members are reminded to encourage eligible candidates to apply.

Meeting in joint session with the Society for the Stimulus Properties of Drugs (SSPD) was discussed, and there was agreement that joint sessions could continue as they have been.

It was announced that the 1988 meeting of CPDD would run Wednesday through Friday June 29 through July 1, in either Cape Cod or Boston. ISGIDAR would, as usual, have the day before (Tuesday, June 28, in this case) for its satellite session. SSPD will be holding an international meeting Sunday and Monday of the same week.

President Woolverton announced that the by-laws are very outdated and proposed that the new ISGIDAR president undertake to revise them. This was agreed upon and that the new by-laws would be voted upon at the next business meeting. There was some discussion of methods for bringing the proposed new by-laws before the membership. Jim Weeks suggested that anyone who could not come to the 1988 meeting should send in their comments by mail before the meeting. These comments then could be brought up in the general discussion at the meeting. Therefore it was agreed that the proposed changes to the by-laws will be published in the January ISGIDAR newsletter.

President Woolverton proposed that the new ISGIDAR president should be empowered to speak for the group on animal rights issues. Bob Balster supported the right of the officers to speak for the group on behalf of ISGIDAR. The membership voted \$500.00 as a Presidential Discretionary Fund to advance the aims and goals of ISGIDAR nationally and internationally. The question was raised as to whether taking a more activist stance would have an impact on ISGIDAR's tax status. Nancy Ator agreed to look into this.

Vice-President Tomoji Yanagita suggested that in view of the need for ISGIDAR to be involved in monitoring animal rights issues an American vice-president might be appropriate. He agreed to continue to serve as International Vice-President.

Officers were elected for the 1987-1989 term.

President	Nancy Ator
International Vice President	Tomoji Yanagita
National Vice-President	Jack Henningfield
Secretary	Harriet de Wit
Treasurer	David Downs

The meeting was adjourned with thanks to the officers who served for the 1985-1987 term and a special thanks to President Woolverton.

A MESSAGE FROM THE PRESIDENT

In his tenure as ISGIDAR president, Bill Woolverton did an admirable job of organizing and delving into the ISGIDAR archives. One result of those efforts was the interesting presentation, complete with slides, that Bill gave on the 15-year history of ISGIDAR at this year's meeting. The other was that he became so impressed with the disparity between the ISGIDAR by-laws and the way the organization has come to function over the years that he proposed that the incoming ISGIDAR president be charged with revising these by-laws! (If an award is created for "Effective Delegation," I nominate Dr. Woolverton!) Having read the by-laws myself, I do see that such a revision is indeed overdue. Were you aware the the by-laws currently state that the treasurer of ISGIDAR "shall be a permanent resident of Switzerland"? Paying Dave Downs' way to Switzerland might answer the recurring question at business meetings in recent years of what to do with the ISGIDAR money!

The membership did agree to have the president revise the by-laws and to submit the proposed new by-laws for vote at the 1988 ISGIDAR business meeting. It was proposed that the revised by-laws be published in the January 1988 issue of the newsletter. Written comment will be invited,

particularly from those who will be unable to attend the business meeting in June. Over the next few months, I shall work with the Board of Officers to undertake the revisions, and Bill Woolverton has agreed to join with us in this effort.

It was also decided at this year's business meeting that the ISGIDAR president should play an active role in representing the organization on animal welfare and animal rights issues. Therefore, in June I submitted comments on behalf of ISGIDAR on the proposed rules of the Animal and Plant Health Inspection Service (APHIS). These regulations are being formulated in response to the recent amendments to the Animal Welfare Act, which is itself a part of The Food Security Act of 1985. Although the purpose of the regulations is to ensure the proper care of animals in research and in commercial enterprises, there are ways in which they were formulated that would very likely impede responsible research programs and have the effect of suppressing innovation in research. I strongly supported the recommended changes to the language of the proposed regulations contained in the documents submitted by the American Psychological Association and the National Association for Biomedical research. In addition, I commented on some specific areas of the proposed regulations including (1) the ways in which the APHIS regulation seems to go beyond statutory authority and to unnecessarily duplicate PHS regulation in requiring approval of research protocols by an Institutional Animal Care and Use Committee, (2) the designation of certain categories of animal use in research and teaching based on arbitrary assessments of "pain or distress," (3) specified requirements on number of surgical procedures that can be performed on individual animals, (4) the requirement that the attending veterinarian be present during actual research, and (5) the prohibition of "deprivation of food or water" for the purpose of training animals. I will be happy to send a copy of the ISGIDAR comment letter to any member that requests one. I will endeavor to stay informed on the legislative and regulatory progress of the animal welfare regulations in the coming year, and I would like to encourage members to call or write me if they have information to share on these important issues.

STUDENT PAPER COMPETITION

ISGIDAR will again sponsor a Student Paper Competition Award for a new investigator to present a paper on drug self-administration research. Up to \$500 in reasonable and documented travel costs will be paid to the winner to attend the meeting of the Committee on Problems of Drug Dependence, 1988 to present a paper at the ISGIDAR satellite session. Payment will be made upon submission of travel receipts to the ISGIDAR Treasurer. Those who did not receive the award, but who did receive good reviews will be encouraged to present their papers at the ISGIDAR meeting.

ELIGIBILITY: Applicants must be enrolled in a graduate program and be working toward a doctorate or have received their doctorate within the last five years (after June 1, 1983).

Applicants who are not ISGIDAR members must be sponsored by an ISGIDAR member.

The research to be reported at ISGIDAR must not already be published.

MANUSCRIPT REQUIREMENTS: Papers should not be more than 10 pages excluding figures and references.

The length and scope of the paper should be consistent with a 20-25 minute slide presentation.

Please include paper title, name, address, phone number and author's signature on the cover page of the manuscript.

The signature and typed name of the author's sponsor should also appear on the cover page after a statement indicating that the applicant made a significant scientific contribution to the research.

Submit four copies, double-spaced.

REVIEW: Each manuscript will be independently reviewed by the ISGIDAR officers for originality, scientific contribution, sound methodology and clarity of the manuscript.

Blind review is possible upon request.

Reviewers will not participate in the review of papers from their own institution.

Submit manuscripts to: Dr. Nancy Ator
 Division of Behavioral Biology
 The Johns Hopkins University Medical School
 720 Rutland Avenue, 623
 Baltimore, MD 21205

ISGIDAR BIBLIOGRAPHY

Listing of recent publications or manuscripts in press on the behavioral pharmacology of drugs of abuse by ISGIDAR members:

RA = published, reprints available
IP = in press
SU = submitted
NA = published, reprints not available

Dr. Nancy A. Ator
Division of Behavioral Biology
The Johns Hopkins University School of Medicine
720 Rutland Avenue, Room 623
Baltimore, MD 21205

Ator, N. A. and Griffiths, R. R. Self-administration of Barbiturates and Benzodiazepines: A Review. Pharmacology, Biochemistry & Behavior (IP)

Dr. Marilyn E. Carroll
Psychiatry Department
Mayo Box 392
University of Minnesota
Minneapolis, MN 55455

Carroll, M.E. A quantitative assessment of phencyclidine dependence produced by oral self-administration in rhesus monkeys. Journal of Pharmacology and Experimental Therapeutics, 1987. (IP)

Carroll, M.E. Concurrent access to two concentrations of orally-delivered phencyclidine: Effects of feeding conditions. Journal of the Experimental Analysis of Behavior, 1987. (RA)

Carroll, M.E. Self-Administration of orally-delivered phencyclidine and ethanol under concurrent fixed-ratio schedules in rhesus monkeys. Psychopharmacology, 1987. (IP)

Carroll, M.E., and Lac, S.T. Cocaine withdrawal produces behavioral disruptions in rats. Life Sciences, 40:2183-2190, 1987. (RA)

Dr. Harriet de Wit
Dept. of Psychiatry
University of Chicago
5841 S. Maryland
Chicago, IL 60637

de Wit, H., S.M. McCracken, E.H. Uhlenhuth and C.E. Johanson. Diazepam preference in subjects seeking treatment for anxiety. Problems of Drug Dependence, 1986. Ed.: L.S. Harris. National Institute on Drug Abuse Research Monograph #76, 248-254. Rockville, Maryland, 1987. (RA)

de Wit, H., J. Pierri and C.E. Johanson. Ethanol and pentobarbital preference in humans using a multiple dose procedure. Psychopharmacology. (SU)

de Wit, E. H. Uhlenhuth and C. E. Johanson. The reinforcing properties of amphetamine in overweight subjects and depressed subjects. Clinical Pharmacology and Therapeutics. (IP)

Uhlenhuth, E.H., H. de Wit, M.B. Balter, G. Mellinger, C.E. Johanson. Risks and benefits of long-term benzodiazepine use. Clinical Psychopharmacology. (IP)

Dr. Wm. L. Woolverton
Dept. of Pharmacological
and Physiological Sciences
University of Chicago
947 E. 58th St.
Chicago, IL 60637

Commins, D.L., Vosmer, G., Virus, R.M., Woolverton, W.L., Schuster, C.R. and Seiden, L.S.: Biochemical and histological evidence that methylenedioxymethylamphetamine (MDMA) is toxic to neurons in the rat brain. J. Pharmacol. Exp. Ther 241: 338-345, 1987 (RA)

Nencini, P. and Woolverton, W.L. Effects of nimodipine, a calcium channel blocker on the discriminative stimulus properties of d-amphetamine in rats. Psychopharmacology. (SU)

Seiden, L.S., Kleven, M.S. and Woolverton, W.L. Lack of long-term neurochemical effects of repeated or continuous exposure to cocaine. Drug and Alcohol Dependence (SU)

Woolverton, W.L. and Kleven, M.S. Evidence for cocaine dependence in monkeys Psychopharmacology. (SU)