

NEWSLETTER

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ISGIDAR

INTERNATIONAL STUDY GROUP INVESTIGATING DRUGS AS REINFORCERS

CORRESPONDENCE

ABOUT ISGIDAR

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ABOUT ISGIDAR NEWSLETTER

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Satellite Session on Drugs as Reinforcers, San Francisco, CA, July 12, 1981

ISGIDAR sponsored a scientific meeting as a satellite session to the annual meeting of the Committee on Problems of Drug Dependence. Approximately 50 people attended and the following papers were presented:

Ethanol Consumption as a Function of Ethanol Availability Periods. Henry Marcucella and Ilse Munro, Boston University and James S. MacDonall, Fordham University

Oral Self-Administration of Methohexital in the Baboon. Nancy A. Ator and Roland R. Griffiths, The Johns Hopkins University School of Medicine

Diazepam Self-Administration in the Rhesus Monkey. Jack Bergman, Chris E. Johanson and Charles R. Schuster, The University of Chicago

Pentobarbital-Maintained Progressive-Ratio Performance by Humans. Daniel R. McLeod and Roland R. Griffiths, Baltimore City Hospitals and The Johns Hopkins University School of Medicine

A Screening Test for Drug Reinforcers Using Rats. R. Collins, J.R. Weeks and R.R. Russell, The Upjohn Company

A Method for Assessing the Dependence Potential of Drugs in Humans. Chris E. Johanson, E.H. Uhlenhuth and Charles R. Schuster, The University of Chicago

Nicotine Self-Administration in Rats. William T. Nelson, Jr. and Brain Cox, Addiction Research Foundation, Palo Alto

Schedule-Induced Nicotine Self-Administration in Rhesus Monkeys. Barbara E. Slifer and Robert L. Balster, Medical College of Virginia

Subjective and Physiological Effects of Nicotine and Nicotine Self-Administration in Humans. Jack E. Henningfield, Katsumasa Miyasato, Rolley E. Johnson, and Donald R. Jasinski. NIDA Addiction Research Center, Baltimore

An Improved Pneumatic Syringe for Self-Administration of Drugs. James R. Weeks, The Upjohn Company

1981 ISGIDAR Business Meeting

The meeting was called to order by the President, Robert L. Balster, and elections were held to fill the offices of President and Secretary. Drs. Yanagita and Downs agreed to retain their respective positions as Vice-President and Treasurer.

Current Officers:

Chris-Ellyn Johanson	President
Tomoji Yanagita	Vice-President
Marilyn E. Carroll	Secretary
David A. Downs	Treasurer

Items of Discussion

It was brought to our attention by Dave Downs that excess funds (less than \$2,000) have accumulated from registration fees over the years, and there was considerable discussion on how to spend (or not to spend) this excess. Several plans were suggested by Bob Balster and voted on, and the last suggestion won. They were:

1. Eliminate registration fees for a few years
2. Provide a free banquet for ISGIDAR members
3. (a) Implement a small grant program for students
(b) Implement a small grant program for members
4. Allow funds to continue accumulating

Another item of discussion was whether or not to publish ISGIDAR abstracts. A majority of those who presented papers at this meeting voted to publish their abstracts. Others commented that publication might detract from the informal

nature of the session and discourage people from presenting initial results. Bob Balster suggested that publication of abstracts would be optional, and he offered to negotiate publication of this year's abstracts in Pharmacology, Biochemistry and Behavior. He asked that anyone interested in publishing their abstract submit a copy to him by September 1, 1981, and if he received at least six abstracts, he would proceed with the arrangements.

A Message From The New ISGIDAR President

Dear ISGIDAR Members:

The main purpose of ISGIDAR has been to provide a stimulating yet relaxing environment for the exchange of ideas and results strictly in the area of drug self-administration in any species. There is, in fact, no other group who is exclusively devoted to this type of research. In this regard, we have succeeded admirably as attested to by our last meeting. This plus the continuation of our newsletter and bibliography will be our primary activities in the upcoming year. I personally am happy with our present arrangement as a satellite group at CPDD which next year will meet in Toronto in June. However, I do feel it is unfortunate that Committee members cannot attend or participate if our meeting is held one day prior to CPDD, since that is when the Committee and Board of Directors meet. I would like to propose that next year we meet Saturday afternoon and Sunday morning. Given Toronto's location, most of you can arrive by Saturday noon so that an additional night's lodging would be unnecessary. I would then encourage SSPD to meet Sunday afternoon. If anyone has any objections or better suggestions, let me know.

Another issue we discussed at the meeting was our excess funds. My intention is to let this lie dormant with the idea of continuing to accumulate money to sponsor an important conference in our area sometime in the future - like five years from now. If anyone has any opinions, contact me.

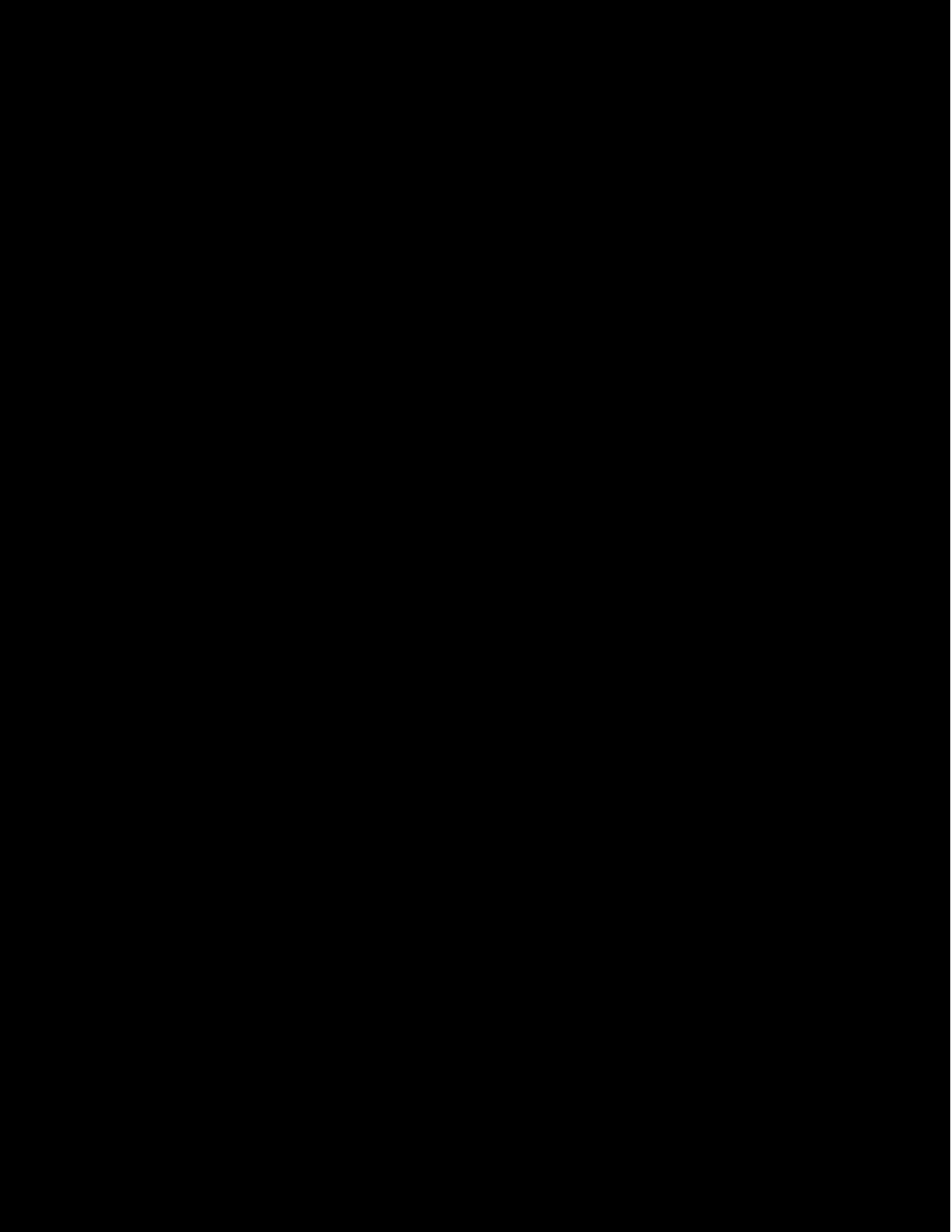
In closing, I would like to thank Robert Balster for his efforts and fine performance as president.

Sincerely,

Chris

Satellite Symposium on Drugs as Reinforcers: Tokyo, Japan, July 25, 1981

A satellite symposium was organized by Dr. Robert L. Balster and Dr. Tomoji Yanagita in conjunction with the Eighth International Congress of Pharmacology. The program follows:



Orally delivered pentobarbital as a reinforcer for rhesus monkeys with concurrent access to water: effects of concentration, fixed-ratio size, and liquid positions. Victor J. Denoble, Dace Svikis and Richard A. Meisch, Department of Psychiatry Research, University of Minnesota, U.S.A.

ISGIDAR BIBLIOGRAPHY

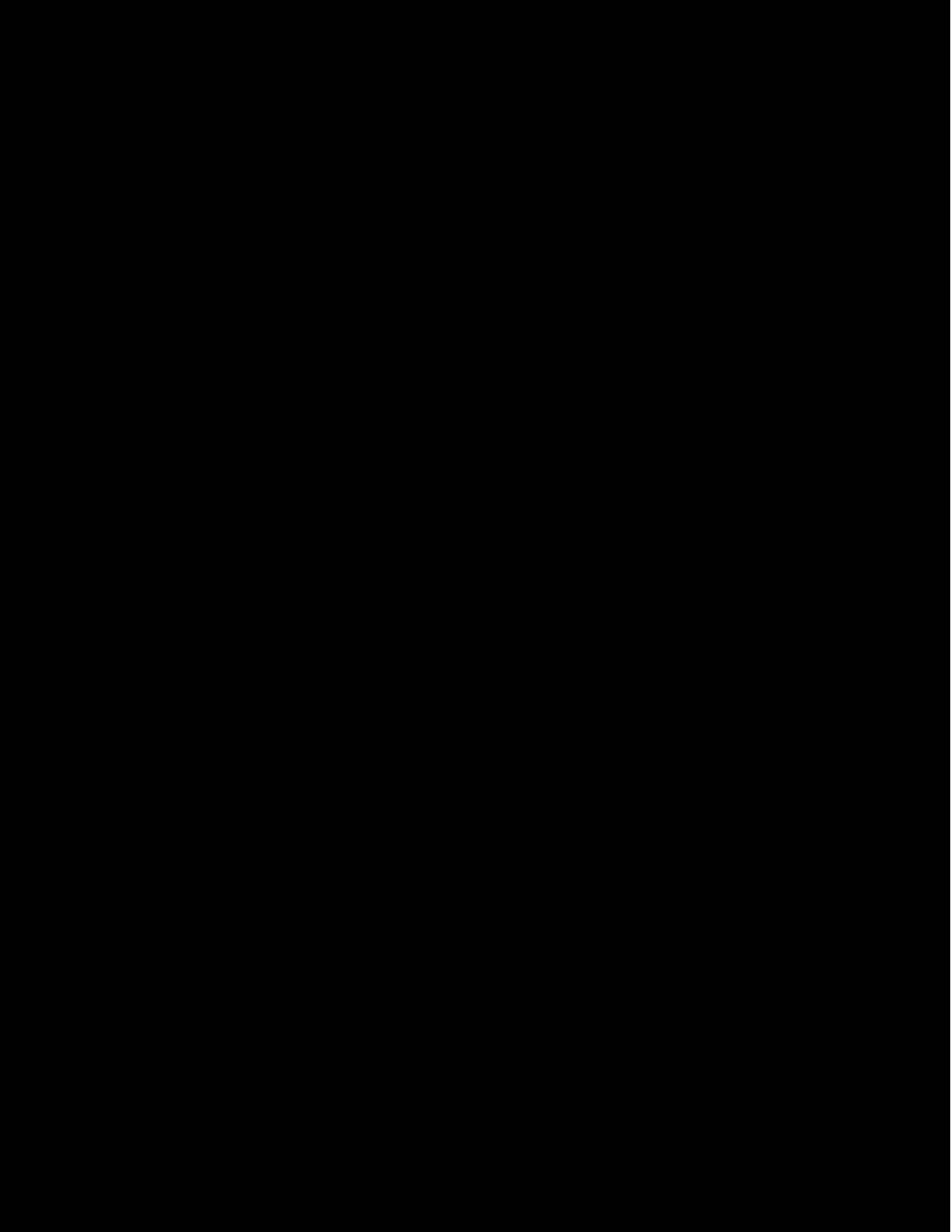
A form is attached for submission of publications for the ISGIDAR Bibliography. The bibliography is a means of announcing new publications or those in press. Forms may be submitted at any time during the year. The next bibliography will be published in the newsletter early in 1982.

The following citations were submitted during the first half of 1981.

Code: RA Reprint Available
IP In Press
NA Reprint Not Available

Status	Title	Address
RA	Bigelow, G.E., Griffiths, R.R., Liebson, I, and Kaliszak, J.E. Double-blind evaluation of reinforcing and anorectic actions of weight control medications. <i>Archives of General Psychiatry</i> , <u>37</u> :1118-1123, 1980.	Roland R. Griffiths, Ph.D. Department of Psychiatry and Behavioral Sciences The Johns Hopkins University, School of Medicine Baltimore, Maryland 21205
RA	Bradford, L.D., and Griffiths, R.R. Responding maintained by cocaine or d-amphetamine under fixed interval schedules in baboons. <i>Drug and Alcohol Dependence</i> , <u>5</u> :393-400, 1980.	Same as above
RA	Griffiths, R.R., Bigelow, G.E., and Henningfield, J. E. Similarities in animal and human drug taking behavior. In: <i>Advances in Substance Abuse: Behavioral and Biological Research</i> . Mello, N.K. (ed.), pp. 1-90, Greenwich, Conn.:JAI Press, Inc., 1980.	Same as above
RA	Henningfield, J.E., and Griffiths, R.R. Effects of ventilated cigarette holders on cigarette smoking by humans. <i>Psychopharmacology</i> , <u>68</u> :115-119, 1980.	Same as above
RA	Henningfield, J.E., Stitzer, M.L., and Griffiths, R.R. Expired air carbon	Same as above

- monoxide accumulation and elimination as a function of number of cigarettes smoked. Addictive Behaviors, 5:265-272, 1980.
- RA Henningfield, J.E., Yingling, J., Griffiths, R.R., and Pickens, R. An inexpensive portable device for measuring puffing behavior by cigarette smokers. Pharmacology, Biochemistry and Behavior, 12:811-813, 1980. Same as above
- IP Carroll, M.E. Oral self-administration of phencyclidine (PCP) and PCP analogs and tolerance to PCP's behavioral affects. NIDA Research Monograph, 1981. Dr. Marilyn E. Carroll
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University of MN 55455
- RA Carroll, M.E., France, C.P., and Meisch, R.A. Intravenous self-administration of etonitazene, cocaine and phencyclidine in rats during food deprivation and satiation, J. Pharmacol. Exp. Ther., 217:241-247, 1981. Same as above
- IP Carroll, M.E., and Meisch, R.A. Determinants of increased drug self-administration due to food deprivation, Psychopharmacology, 1981. Same as above
- RA Carroll, M.E., and Meisch, R.A. Oral phencyclidine (PCP) self-administration in rhesus monkeys: Effects of feeding conditions. J. Pharmacol. Exp. Ther., 214:339-346, 1980. Same as above
- RA Carroll, M.E., and Meisch, R.A. The effects of feeding conditions on drug-reinforced behavior: Maintenance at reduced body weight versus availability of food, Psychopharmacology, 68:121-124, 1980. Same as above
- RA Carroll, M.E., Santi, P.A., and Rudell, R.L. A microcomputer control system for the control of behavioral experiments. Pharmac. Biochem. Behav., 14:415-417, 1981. Same as above
- IP Meisch, R.A., and Carroll, M.E. Establishment of orally-delivered drugs as reinforcers for rhesus monkeys: Some relations to human drug dependence. NIDA Research Monograph, 1981. Same as above
- RA Risner, M.E. and Jones, B.E. Intravenous self-administration of cocaine and nor-
- Dr. Marc Risner
National Institute On



- RA Herling, S., D.A. Downs and J.H. Woods Dr. James H. Woods
Cocaine, d-amphetamine, and pentobarbital Department of Pharmacology
effects on responding maintained by food M6322 Medical Science
or cocaine in rhesus monkeys. Psycho- Building I
pharmacology, 64:261-269, 1979. University of Michigan
Medical School
Ann Arbor, MI 48109
- RA Herling, S., and J.H. Woods. Chlorpromazine Same as above
effects on cocaine-reinforced responding in rhesus monkeys: Reciprocal modification
of rate-altering effects of the drugs. J. Pharmacol. Exp. Ther., 214:354-361, 1980.
- RA Woods, J.H. Narcotic reinforced responding: Same as above
A rapid evaluation procedure. Drug and Alcohol Dependence, 5:223-230, 1980.
- NA Woods, J.H., D.W., Hein, S. Herling, A.M. Same as above
Young and R.J. Valentino. Discriminative and reinforcing effects of some systematic-
ally active enkephalin analogues. In: E.L. Way (Ed.). Endogenous and Exogenous Opioid
Agonists and Antagonists, New York:Pergamon Press, 1980, pp. 443-446.
- IP Woods, J.H., A.M. Young, and S. Herling. Same as above
Classification of narcotics on the basis of their reinforcing, discriminative, and
antagonist effects in rhesus monkeys. Fed. Proc.
- IP Young, A.M., Herling, S., Winger, G.D. and Same as above
Woods, J.H. Comparison of discriminative and reinforcing effects of ketamine and
related compounds in the rhesus monkey. NIDA Research Monograph, 1981.
- RA Young, A.M. and J.H. Woods. Behavior main- Same as above
tained by intravenous injection of codeine, cocaine, and etorphine in the rhesus macaque
and the pigtail macaque. Psychopharmacology, 70:263-271, 1980.