

NEWS LETTER

VOL. 5 NO. 2

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INTERNATIONAL STUDY GROUP INVESTINGATING DRUGS AS REINFORCERS

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ABOUT ISGIDAR NEWS LETTER

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Satellite Session on Drugs as Reinforcers, Baltimore, MD, June 3, 1978

ISGIDAR will sponsor a scientific meeting as a Satellite Session to the 1978 annual meeting of the Committee on Problems of Drug Dependence. The session will be held all day Saturday June 3 beginning with registration at 8:45 A. M. A business meeting will follow the paper session. Paper presentations are solicited. Send a 300 word abstract to Roland Griffiths no later than April 1. The satellite session will be held in the Downtown 1 and 2, Lord Baltimore Hotel. ISGIDAR annual dues of \$15 will be collected in the form of a registration fee at the meeting. The announcement for the CPDD meeting has already been mailed out. Additional copies and hotel information can be obtained from the Committee, 4105 Dunne1 Lane, Kensington, MD 20795.

ISGIDAR Bibliography

In the last issue of the ISGIDAR Newsletter we included a bibliography form. The cooperation of the membership in returning these forms has been excellent. Consequently, included in this issue of the Newsletter is the first ISGIDAR Bibliography. We solicited a current list of papers published from 1976 on and in press on the behavioral pharmacology of

drugs of abuse. The status of these papers and the availability of reprints is included in the bibliography. P=Published, reprints are available, IP=In Press, reprints will be mailed when they are available, NA=Published, reprints not available. Addresses for reprint requests are also included.

A bibliography form is attached to this Newsletter. If you make it a regular policy to return this form to the Secretary of ISGIDAR as the results of your research are published, we will continue periodic publication of a new bibliography.

Unverified Citations	Address Code	Availability Code
Balster, R. L., Aigner, T. G., Carney, J. M. and Harris, L. S. Intravenous self-administration procedures as part of a preclinical abuse liability evaluation program for analgesic drugs. Proceedings of the Committee on Problems of Drug Dependence, 1977.	1	IP
Balster, R.L. and Chait, L.D. The behavioral pharmacology of phencyclidine. <i>Clinical Toxicology</i> , <u>9</u> (4): 513-526, 1976.	1	NA
Balster, R.L. and Chait, L.D. The effects of phencyclidine on amphetamine stereotypy in the rat. <i>Eur. J. Pharmac.</i> , 1978.	1	IP ✓
Balster, R.L., Kilbey, M.M. and Ellinwood, E.H., Jr. Methamphetamine self-administration in the cat. <i>Psychopharmacologia</i> <u>46</u> : 229-233, 1976.	12	P ✓
Balster, R.L. and Schuster, C.R. A preference procedure that compares efficacy of different intravenous drug reinforcers in the rhesus monkey. <u>Cocaine and Other Stimulants</u> . Ellinwood, E.H. and Kilbey, M.M. (eds.) pp. 571-584. New York: Plenum Press, 1977.	17	P ✓
Bigelow, G.E., Griffiths, R.R. and Liebson, I.A. Effects of response requirement upon human sedative self-administration and drug-seeking behavior. <i>Pharmac. Biochem. Behav.</i> , <u>5</u> :681-685, 1976.	2	P
Bigelow, G., Griffiths, R.R., and Liebson, I. Experimental models for the modification of human drug self-administration: Methodological developments in the study of ethanol self-administration by alcoholics. In: <u>Behavioral Pharmacology: The Current Status (1976)</u> . Weiss, B. and Laties, V. (eds.), pp. 61-75. New York: Plenum Press, 1976. (Reprinted from <u>Federation Proceedings</u> , 1975.)	2	P
Brady, J. V. and Griffiths, R. R. Drug-maintained performance and the analysis of stimulant reinforcing effects. In: <u>Cocaine and Other Stimulants</u> . Ellinwood, E. H. and Kilbey, M.M. (eds.), pp. 599-613. New York: Plenum Publishing Corporation, 1977.	3	P
✓ Brown, Z. W., Amit, Z. and Weeks, J. R. Simple flow-thru swivel for infusions into unrestrained animals. <i>Pharmac. Biochem. Behav.</i> <u>5</u> :363-365, 1976.	19	P ✓
Carlson, K. R. Effect of chronic oral methadone treatment on the growth of maturing monkeys. <i>J. Med. Primatology</i> .	4	IP ✓
Carlson, K. R. Narcotic mechanisms and dyskinesias. In: <u>Animal Models in Psychiatry and Neurology</u> . Hanin, I. and Usdin, E. (eds.), pp. 391-404. New York: Pergamon Press, 1977.	4	NA

Unverified Citations	Address Code	Availability Code
Carlson, K. R. Supersensitivity to apomorphine and stress two years after chronic methadone treatment. <i>Neuropharmacology</i> ,	4	IP
Carlson, K. R. and Almasi, J. Behavioral supersensitivity to apomorphine following chronic narcotic treatment in the guinea pig. <i>Psychopharmacology</i> .	4	IP
Carlson, K. R. and Almasi, J. Sensitivity to apomorphine in the guinea pig as an effect of age and body weight. <i>Psychopharmacology</i> .	4	IP
Carlson, K. R. and Eibergen, R. D. Susceptibility to amphetamine-elicited dyskinesias following chronic methadone treatment in monkeys. <i>Ann. N.Y. Acad. Sci.</i> , <u>281</u> :336-349, 1976.	4	P
✓ Carney, J. M., Llewellyn, M. E. and Woods, J. H. Variable interval responding maintained by intravenous codeine and ethanol injections in the rhesus monkey. <i>Pharmac. Biochem. Behav.</i> , <u>5</u> :577-582, 1976.	20	P ✓
✓ Carney, J. M., Uwaydah, I. M. and Balster, R. L. Evaluation of a suspension system for intravenous self-administration studies of water-insoluble compounds in the rhesus monkey. <i>Pharmac. Biochem. Behav.</i> , <u>7</u> :357-364, 1977.	1	P ✓
Castellani, S. A., Ellinwood, E. H., Jr. and Kilbey, M. M. Behavioral analysis of chronic cocaine intoxication in the cat. <i>Biological Psychiatry</i> , 1978.	12	IP ✓
Castellani, S. A., Ellinwood, E. H., Jr. and Kilbey, M. M. Tolerance to cocaine-induced convulsions in the cat. <i>Eur. J. Pharmac.</i> , 1978.	12	IP ✓
Chait, L. D. and Balster, R. L. The effects of acute and chronic phencyclidine on schedule-controlled behavior in the squirrel monkey. <i>J. Pharmacol. Exp. Therap.</i> , 1978.	1	IP
Collins, R. J., Weeks, J. R. and Good, P. Evaluation of the reinforcing properties of psychoactive drugs using rats. <i>Pharmacologist</i> <u>18</u> :143, 1976.	19	P ✓
Dougherty, J. and Pickens, R. Pharmacokinetics of intravenous cocaine self-injection. In: <u>Cocaine: Chemical, Biological, Clinical, Social and Treatment Aspects</u> . Mule, S.J. (ed.), pp. 105-120. Cleveland: Chemical Rubber Co. Press, 1976.	5	P
Downs, D. A. and Woods, J. H. Naloxone as a negative reinforcer in rhesus monkeys: effects of dose, schedule, and narcotic regimen. <i>Pharmacological Reviews</i> , <u>27</u> : 397-406, 1976.	20	P

Unverified Citations	Address Code	Availability Code
Eibergen, R. D. and Carlson, K. R. Behavioral evidence for dopaminergic supersensitivity following chronic treatment with methadone or chlorpromazine in the guinea pig. <u>Psychopharmacology</u> <u>48</u> : 139-146, 1976.	4	P
Eibergen, R. D. and Carlson, K. R. Dyskinesias in monkeys: Interaction of methamphetamine with prior methadone treatment. <u>Pharmac. Biochem. Behav.</u> <u>5</u> : 175-187, 1976.	4	P
Ellinwood, E. H., Jr., Eibergen, R. and Kilbey, M. M. Stimulants: Interaction with clinically relevant drugs. In: Vessell, E., and Braude, M. (eds.), <u>Interactions of Drugs of Abuse</u> , pp. 393-408. New York: New York Academy of Sciences, 1976.	12	P ✓
Ellinwood, E. H., Jr., and Kilbey, M. M. Chronic stimulant intoxication models of psychosis. In: Hanin, I., and Usdin, E. (eds.), <u>Animal Models in Psychiatry and Neurology</u> . Oxford and New York: Pergamon Press, 1978.	12	IP ✓
Ellinwood, E. H. and Kilbey, M. M. Stimulant abuse in man: The use of observational animal models to assess and predict behavioral toxicity. In: Thompson, T., and Unna, K. (eds.), <u>Predictions of Abuse Liability of Stimulant and Depressant Drugs</u> . pp. 81-123. New York: Academic Press, 1977	12	P ✓
Ellinwood, E. H., Jr., Kilbey, N. M., Castellani, S. and Khoury, C. Behavioral and electrophysiological effects of cocaine. In: Ellinwood, E. H., Jr., and Kilbey, M. M. (eds.), <u>Cocaine and Other Stimulants</u> , pp. 303-326. New York: Plenum Press, 1977.	12	P
Ellinwood, E. H., Jr., Stripling, J. S. and Kilbey, M. M. Chronic changes with amphetamine intoxication: Underlying processes. In: Usdin, E., Hamburg, D. A., and Barchas, J. (eds.), <u>Neuroregulators and Psychiatric Disorders</u> , pp. 578-587. New York: Oxford University Press, 1977.	12	P
Fennell, W. H., Fischman, M. W., Schuster, C. R. and Resnekov, L. Cardiovascular effects of cocaine. <u>New Eng. J. Med.</u> , <u>295</u> : 960-961, 1976.	17	NA
Fischman, M. W., Schuster, C. R., Krasnegor, N. A. Physiological and behavioral effects of intravenous cocaine in man. In: <u>Cocaine and Other Stimulants</u> . Ellinwood, E. H. and Kilbey, M. M. (eds.), pp. 647-664. New York: Plenum Press, 1977.	17	P
Fischman, M. W., Schuster, C. R., Krasnegor, N. A., Shick, J. F. E., Resnekov, L., Fennell, W. and Freedman, D. X. Cardiovascular and subjective effects of intravenous cocaine in humans. <u>Archives of General Psychiatry</u> , <u>33</u> : 983-989, 1976.	17	NA

Unverified Citations	Address Code	Availability Code
Ford, R. D. and Balster, R. L. Reinforcing properties of intravenous procaine in rhesus monkeys. <i>Pharmac. Biochem. Behav.</i> , 6: 289-296, 1977	1	P
Ford, R. D. and Balster, R. L. Schedule-controlled behavior in the morphine-dependent rat. <i>Pharmac. Biochem. Behav.</i> , 4: 569-573, 1976.	1	P
Ford, R. D., Balster, R. L., Dewey, W. L. and Beckner, J. S. $\Delta^9$ -THC and 11-OH- $\Delta^9$ -THC: Behavioral effects and relationship to plasma and brain levels. <i>Life Sciences</i> , 20: 1993-2004, 1977.	1	P
Goldberg, S. R. The behavioral analysis of drug addiction. In: <i>Behavioral Pharmacology</i> . Glick, S. D. and Goldfarb, J. (eds.), pp. 283-316. St. Louis: C. V. Mosby Co., 1976.	6	P
Goldberg, S. R. Conditioned behavioral and physiological changes associated with injections of a narcotic antagonist in morphine-dependent monkeys. <i>Pav. J. Biol. Sci.</i> 11: 203-221, 1976.	6	P ✓
Goldberg, S. R. and Gonzalez, F. A. Effects of propranolol on behavior maintained under fixed-ratio schedules of cocaine injection or food presentation in squirrel monkeys. <i>J. Pharmacol. Exp. Ther.</i> 198: 626-634, 1976.	6	P
Goldberg, S. R. and Kelleher, R. T. Behavior controlled by scheduled injections of cocaine in squirrel and rhesus monkeys. <i>J. Exp. Anal. Behav.</i> 25: 93-104, 1976.	6	P
Goldberg, S. R. and Kelleher, R. T. Reinforcement of behavior by cocaine injections. In: <i>Cocaine and Other Stimulants</i> . Ellinwood, E. H., Jr. and Kilbey, M. M. (eds.), pp. 523-544. New York: Plenum Press, 1977.	6	P
Goldberg, S. R., Morse, W. H. and Goldberg, D. M. Behavior maintained under a second-order schedule by intramuscular injection of morphine and cocaine in rhesus monkeys. <i>J. Pharmacol. Exp. Ther.</i> 199: 278-286, 1976.	6	P
Goldberg, S. R., Morse, W. H. and Goldberg, D. M. Some behavioral effects of morphine, naloxone and nalorphine in the squirrel monkey and the pigeon. <i>J. Pharmacol. Exp. Ther.</i> 196: 625-636, 1976	6	P
Goldberg, S. R. and Tang, A. H. Behavior maintained under second-order schedules of intravenous morphine injection in squirrel and rhesus monkeys. <i>Psychopharmacology</i> , 51: 235-242, 1977.	6	P
Goldberg, S. R. and Tang, A. H. Reinforcement of behavior by morphine injections. In: <i>Alcohol and Opiates</i> . Blum, K. and Ross, D. H. (eds.), pp. 341-357. New York: Academic Press, 1977.	6	P

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Conzalez, F. A. and Goldberg, J. R. Effects of cocaine and amphetamine on behavior maintained under various schedules of food presentation in squirrel monkeys. <i>J. Pharmacol. Exp. Ther.</i> <u>201</u> : 33-43, 1977.	6	P
Gøtestam, K. G. Acute tolerance to amphetamine in rats. <i>Psychopharmacology</i> , 49: 113-115, 1976.	7	P
Gøtestam, K. G. An animal model to test abuse potential of anorectic drugs. In: Garattini, S. (ed.), <u>Central Mechanisms of Anorectic Drugs</u> . New York: Raven Press, 1977.	7	IP
Gøtestam, K. G. Auto-somministrazione di farmaci noressanti nel ratto. <i>Clinica Therapeutica, Suppl</i> : 116-120 1976.	7	P
Gøtestam, K. G. The discriminative properties of amphetamine analogues in self-administering rats under maintained stimulus control. <i>Addictive Behaviors</i> <u>2</u> : 27-33, 1977.	7	P
Gøtestam, K. G. <i>Drug Dependence and Behavior Therapy</i> . Uppsala, 1977.	7	P
Gøtestam, K. G. Reinforcing properties and abuse potential of amphetamine analogues. Uppsala, 1976.	7	P
Gøtestam, K. G. and Andersson. Self-administration of amphetamine analogues in rats. <i>Pharmac. Biochem. Behav.</i> <u>2</u> : 221-234, 1975.	7	P
Gøtestam, K. G. and Lewander, T. The duration of tolerance to the anorexigenic effect of amphetamine in rats. <i>Psychopharmacologia (Berlin)</i> , 42: 41-45, 1975.	7	P
Gøtestam, K. G. Melin, L. and Øst, L-G. Behavior techniques in the treatment of drug abuse: An evaluative review. <i>Addictive Behaviors</i> , 1: 205-225, 1976.	7	P ✓
Griffiths, R. R. and Bigelow, G. E. Commonalities in human and infrahuman drug self-administration. In: <u>The Basics of Addiction</u> . Fishman, J. (ed.). Berlin: Dahlem Konferenzen, 1978.	8	IP
Griffiths, R. R., Bigelow, G. and Liebson, I. Comparison of social time-out and activity time-out procedures in suppressing ethanol self-administration in alcoholics. <i>Behavior Research and Therapy</i> , <u>15</u> : 329-336, 1977.	8	P
Griffiths, R. R., Bigelow, G. E. and Liebson, I. Facilitation of human tobacco self-administration by ethanol: A behavioral analysis. <i>Journal of the Experimental Analysis of Behavior</i> , <u>25</u> : 279-292, 1976.	8	P

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Griffiths, R. R., Bigelow, G. E. and Liebson, I. Human sedative self-administration: Effects of interingestion interval and dose. <i>J. Pharmacol. Exp. Ther.</i> , <u>197</u> : 488-494, 1976.	8	P
Griffiths, R. R., Brady, J. V. and Snell, J. D. Progressive-ratio performance maintained by drug infusions: Comparison of cocaine, diethylpropion, chlorphentermine and fenfluramine. <i>Psychopharmacology</i> , 1978.	8	IP
Griffiths, R. R., Brady, J. V. and Snell, J. D. Relationship between anorectic and reinforcing properties of appetite suppressant drugs: Implications for assessment of abuse liability. <i>Biological Psychiatry</i> , 1978.	8	IP
Griffiths, R. R., Stitzer, M., Corker, K., Bigelow, G. and Liebson, I. Drug-produced changes in human social behavior: Facilitation by <u>d</u> -amphetamine. <i>Pharmac. Biochem. Behav.</i> , <u>7</u> : 365-372, 1977.	8	P
Griffiths, R. R., Winger, G., Brady, J. V. and Snell, J. D. Comparison of behavior maintained by infusions of eight phenylethylamines in baboons. <i>Psychopharmacology</i> , <u>50</u> : 251-258, 1976	8	P
Hackett, D. and Hall, J. M. Reinforcing properties of intravenous diazepam in rhesus monkeys ( <i>Macaca Mulatta</i> ) with a history of codeine self-administration. In: <i>Clin. Tox. - Proceedings of the 18th Meeting of the European Society of Toxicology, Edinburgh, Scotland, June 21-23, 1976.</i> pp. 308-310. <i>Excerpta Medica: Amsterdam/New York</i> , 1977.	9	P ✓
Henningfield, J. E. and Meisch, R. A. Drinking device for rhesus monkeys. <i>Pharmac. Biochem. Behav.</i> , <u>4</u> : 609-610, 1976.	10	P
Henningfield, J. E. and Meisch, R. A. Establishment of orally delivered ethanol as a positive reinforcer for rhesus monkeys. <i>Reports from the Research Laboratories, Department of Psychiatry, University of Minnesota</i> , 1978.	10	IP
Henningfield, J. E. and Meisch, R. A. Ethanol as a positive reinforcer via the oral route for rhesus monkeys: Maintenance of fixed-ratio responding. <i>Pharmac. Biochem. Behav.</i> , <u>4</u> : 473-475, 1976.	10	P
Henningfield, J. E. and Meisch, R. A. Ethanol drinking by rhesus monkeys as a function of concentration. <i>Psychopharmacology</i> , 1978.	10	IP
Iglauer, C., Llewellyn, M. E., and Woods, J. H. Concurrent schedules of cocaine injection in rhesus monkeys: dose variations under independent and non-independent variable-interval procedures. <i>Pharmacological Reviews</i> , <u>27</u> : 367-383, 1976.	20	P



Unverified Citations	Address Code	Availability Code
Johnson, C. E. Drugs as reinforcers. In: <u>Contemporary Research in Behavioral Pharmacology</u> . Blackman, D. E. and Sanger, D. J. (eds.). New York: Plenum Press, 1978.	11	NA
Johnson, C. E. The effects of electric shock on responding maintained by cocaine injections in a choice procedure in the rhesus monkey. <u>Psychopharmacology</u> , 53: 277-282, 1977.	11	P
Johnson, C. E. Effects of intravenous cocaine, diethylpropion, d-amphetamine and perphenazine on responding maintained by food delivery and shock avoidance in rhesus monkeys. <u>J. Pharm. Exp. Ther.</u> , 1978.	11	IP
Johnson, C. E., Balster, R. L. and Bonese, K. R. Self-administration of psychomotor stimulant drugs: The effects of unlimited access. <u>Pharmac. Biochem. Behav.</u> , 4: 45-51, 1976	11	P
Johnson, C. E., Kandel, D. and Bonese, K. R. The effects of perphenazine on self-administration behavior. <u>Pharmac. Biochem. Behav.</u> , 4: 427-433, 1976.	11	P
Johnson, C. E. and Schuster, C. R. A comparison of cocaine and diethylpropion under two different schedules of drug presentation. In: <u>Cocaine and Other Stimulants</u> . Ellinwood, E. H. and Kilbey, M. M. (eds.), pp. 545-570. New York: Plenum Press, 1977.	11	P
Johnson, C. E. and Schuster, C. R. Procedures for the pre-clinical assessment of the abuse potential of psychotropic drugs in animals. In: <u>Predicting Dependence Liability of Stimulant and Depressant Drugs</u> . Thompson, T. and Unna, K. (eds.), pp. 203-231, University Park Press, 1977.	11	NA
Johnson, C. E. and Uhlenhuth, E. Drug preferences in humans. Presented at the 85th Annual Meeting of the American Psychological Association, 1977.	11	NA
Kandel, D. A. and Schuster, C. R. An investigation of nalorphine and perphenazine as negative reinforcers in an escape paradigm. <u>Pharmac. Biochem. Behav.</u> , 6: 61-71, 1977.	17	P ✓
Karoly, A. S., Winger, G., Ikomi, F. and Woods, J. H. The reinforcing property of ethanol in the rhesus monkey: II. Some variables related to the maintenance of intravenous ethanol-reinforcing responding. <u>Psychopharmacology</u> .	20	IP ✓
Kelleher, R. T. and Goldberg, S. R. Fixed-interval responding under second-order schedules of food presentation or cocaine injection. <u>J. Exp. Anal. Behav.</u> 28: 221-231, 1977.	6	P

Unverified Citations	Address Code	Availability Code
Kilbey, M. M. and Ellinwood, E. H., Jr. Chronic administration of stimulant drugs: Response modification. In: Ellinwood, E. H., Jr. and Kilbey M. M. (eds.), <u>Cocaine and Other Stimulants</u> , pp. 409-429. New York: Plenum Press, 1977.	12	P ✓
Kilbey, M. M. and Ellinwood, E. H., Jr. The effect of age-related factors on behavior induced by cocaine. <u>Life Sciences</u> , 20: 1847-1854, 1977.	12	P
Kilbey, M. M. and Ellinwood, E. H., Jr. Reverse tolerance to stimulant-induced behavior. <u>Life Sciences</u> , 20: 1063-1076, 1977.	12	P
Kilbey, M. M., McLendon, D. M. and Johnson, K. M. Time course of delta-9-tetrahydrocannabinol inhibition of predatory aggression. <u>Pharmac. Biochem. Behav.</u> , 7: 117-120, 1977.	12	P
Lal, H., Kaplan, L., Numan R. and Valention, D. Acquisition and extinction of operant responding for intravenous injections of fentanyl in the rat. <u>Comm. Psychopharmacol.</u> , 1: 207-212, 1977.	13	P ✓
Lindquist, M., Andersson, B. E. and Gøtestam, K. G. The effect of non-contingent injections of amphetamine on the extinction of food-and drug-reinforced lever pressing in rats. <u>Addictive Behaviors</u> , 2: 167-179, 1977.	7	P
Lindquist, M. and Gøtestam, K. G. Open field behavior after intravenous amphetamine analogues in rats. <u>Psychopharmacology</u> .	7	IP ✓
Lindquist, M., Stridh, L. and Gøtestam, K. G. Open field and self-administration tests of a new dopaminergic stimulant. <u>Committee for Problems of Drug Dependence</u> , 39, 1977.	7	IP
Llewellyn, M., Iglauer, C. and Woods, J. H. Relative reinforcer magnitude under a non-independent concurrent schedule of cocaine reinforcement in rhesus monkeys. <u>Journal of the Experimental Analysis of Behavior</u> , 25: 81-91, 1976.	20	P
Meisch, R. A. and Henningfield, J. E. Drinking of ethanol by rhesus monkeys: Experimental strategies for establishing ethanol as a reinforcer. In: <u>Alcohol Intoxication and Withdrawal: Experimental Studies</u> , Vol. IIIb, <u>Advances in Experimental Medicine and Biology</u> , Vol 856. Gross, M. M. (ed.), pp. 443-463. New York: Plenum Publishing Co., 1977.	14	P
Meisch, R. A. and Stark, L. J. Establishment of etonitazene as a reinforcer for rats by use of schedule-induced drinking. <u>Pharmac. Biochem. Behav.</u> , 7: 195-203, 1977.	14	P
Moreton, J. E., Meisch, R. A., Stark, L. and Thompson, T. Ketamine self-administration by the rhesus monkey. <u>J. Pharmacol. Exp. Ther.</u> , 1978.	15	P

Unverified Citations	Address Code	Availability Code
Pohl, R. W. Adventitious taste aversion conditioning: Contaminant of psychopharmacological research. (Tech. Rep. PR-77-2). Minneapolis: University of Minnesota, Psychiatry Research Unit, May 1977.	16	P
Schuster, C. R. Behavioral methods for the study of drug interactions. Annals of the New York Academy of Sciences, <u>281</u> : 64-73, 1976.	17	VA
Schuster, C. R. Drugs as reinforcers in monkey and man. Pharmacol. Rev., <u>27</u> (3): 343-356, 1976.	17	P
Schuster, C. R. and Balster, R. L. The discriminative stimulus properties of drugs. In: <u>Advances in Behavioral Pharmacology</u> , Vol. . pp. 85-138. New York: Academic Press, 1977.	17	P
Schuster, C. R. and Fischman, M. W. Amphetamine toxicity: Behavioral and neuropathological indexes. <u>Behavioral Pharmacology: The Current Status</u> . Weiss, B. and Latties, V. (eds.), pp. 181-195. New York: Plenum Press, 1976.	17	NA
Schuster, C. R. and Johanson, C. E. An analysis of drug-seeking behavior in animals. Presented at the VII International Symposium on Behavior Modification, Mexico City, Mexico, 1977.	11	IP ✓
Seiden, L. S., Fischman, M. W. and Schuster, C. R. Long-term methamphetamine induced changes in brain catecholamines in tolerant rhesus monkeys. <u>Drug and Alcohol Dependence</u> , <u>1</u> (3): 215-219, 1976	17	A
Shearman, G., Hynes, M., Fielding, S. and Lal, H. Clonidine self-administration in the rat. A comparison with fentanyl self administration. <u>Pharmacologist</u> , <u>19</u> : 171, 1977.	13	P ✓
Shybut, G. T., Richter, W. R. and Schuster, C. R. Absence of pathological changes following intravenous methamphetamine and intra-arterial iothalamate meglumine. <u>Research Communications in Chemical Pathology and Pharmacology</u> , <u>15</u> (1), Sept. 1976.	17	P
Spealman, R. D. and Goldberg, S. R. Drug self-administration by laboratory animals: Control by schedules of reinforcement. <u>Ann. Rev. Pharmacol. Toxicol.</u> <u>18</u> , 1978.	18	P
Spealman, R. D., Goldberg, S. R., Kelleher, R. T., Goldberg, D. M. and Charlton, J. P. Some effects of cocaine and two cocaine analogs on schedule-controlled behavior of squirrel monkeys. <u>J. Pharmacol. Exp. Ther.</u> <u>202</u> : 500-509, 1977.	6	P

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Tessel, R. E. and Woods, J. H. <u>Meta-substituted n-ethylamphetamine self-injection responding in the rhesus monkey: Structure-activity relationships.</u> J. Pharmacol. Exp. Ther.	20	IP
Weeks, J. R. The pneumatic syringe: A simple apparatus for self-administration of drugs by rats. Pharmac. Biochem. Behav., <u>7</u> : 559-562, 1977.	19	P ✓
Weeks, J. R. and Collins, R. . . Changes in morphine self-administration in rats induced by prostaglandin E <sub>1</sub> and naloxone. Prostaglandins, <u>12</u> : 11-19, 1976.	19	P ✓
Wilson, M. C. and Schuster, C. R. Mazindol self-administration in the rhesus monkey. Pharmac. Biochem. Behav., <u>4</u> : 207-210, 1976.	17	NA
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