- HENNINGFIELD, J.E., CHAIT, L.D., GRIFFITHS, R.R. Effects of ethanol on cigarette smoking by volunteers without histories of alcoholism. *Psychoparmacology* 82:1-5, 1984.
- HENNINGFIELD, J.E., GOLDBERG, S.R. Nicotine as a reinforcer in human subjects and laboratory animals. *Pharmacology Biochemistry and Behavior* 19(6):989-992, 1983a
- HENNINGFIELD, J.E., GOLDBERG, S.R. Control of behavior by intravenous nicotine injections in human subjects. *Pharmacology Biochemistry and Behavior* 19(6):1021-1026, December 1983b.
- HENNINGFIELD, J.E., GOLDBERG, S.R. Stimulus properties of nicotine in animals and human volunteers: A review. In: Seiden, L.S., Balster, R.L. (eds.) Behavior Pharmacology. The Current Status. New York: Alan R. Liss, 1985, pp. 433-449.
- HENNINGFIELD, J.E., JASINSKI, D.R. Pharmacologic basis for nicotine replacement. In: Pomerleau, O.F., Pomerleau, C.S., Fagerström, K.O., Henningfield, J.E., Hughes, J.R. (eds.) Nicotine Replacement: A Critical Evaluation. New York: Alan R. Liss, 1988, pp. 35-61.
- HENNINGFIELD, J.E., JOHNSON, R.E., JASINSKI, D.R. Clinical procedures for the assessment of abuse potential. In: M.A. Bozarth (ed.) Methods of Assessing the Reinforcing Properties of Drugs. Berlin: Springer-Verlag, 1987, pp. 573-590.
- HENNINGFIELD, J.E., LUKAS, S.E., BIGELOW, G.E. Human studies of drugs as reinforcers. In: Goldberg, S.R., Stolerman, I.P. (eds.) Behavioral Analysis of Drug Dependence. Orlando: Academic Press, 1986, pp. 69-122.
- HENNINGFIELD, J.E., MIYASATO, K., JASINSKI, D.R. Cigarette smokers self-administer intravenous nicotine. *Pharmacology Biochemistry and Behavior* 19(5):887-890, November 1983.
- HENNINGFIELD, J.E., MIYASATO, K., JASINSKI, D.R. Abuse liability and pharmacodynamic characteristics of intravenous and inhaled nicotine. *Journal of Pharmacology and Experimental Therapeutics* 234(1):1-12, 1985.
- HENNINGFIELD, J.E., MIYASATO, K., JOHNSON, R.E., JASINSKI, D.R. Rapid physiologic effects of nicotine in humans and selective blockade of behavioral effects by macamylamine. In: Harris, L.S. (ed.) *Problems of Drug Dependence, 1982*, NIDA Research Monograph 43. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse, 1983, pp. 259–265.
- HENNINGFIELD, J.E., NEMETH-COSLETT, R. Nicotine dependence: Interface between tobacco and tobacco-related disease. Chest 93(Supplement):37s-55s, 1988.
- HENNINGFIELD, J.E., NEMETH-COSLETT, R., KATZ, J.L., GOLDBERG, S.R. Intravenous cocaine self-administration by human volunteers: Second order schedules of reinforcement. In: Harris, L.S. (ed.) *Problems of Drug Dependence*, 1986, NIDA Research Monograph 76. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse, 1987, pp. 266-273.
- HESSELBROCK, M.N. Childhood behavior problems and adult antisocial personality disorder in alcoholism. In: Meyer, R.E. (ed.) Psychopathology and Addictive Disorders. New York: Guilford Press, 1986, pp. 78-94.
- HESSELBROCK, M., BABOR, T.F., HESSELBROCK, V., MEYER, R.E., WORKMAN, K. "Never believe an alcoholic"? On the validity of self-report measures of alcohol dependence and related constructs. *International Journal of the Addictions* 18(5):593-609, 1983.
- HESSELBROCK, V.M. Family history of psychopathology in alcoholics: A review and issues. In: Meyer, R.E. (ed.) *Psychopathology and Addictive Disorders*. New York: Guilford Press, 1986, pp. 41-56.
- HIGGINS, S.T., PRESTON, K.L., CONE, E.J., HENNINGFIELD, J.E., JAFFE, J.H.

- Behavioral, physiological, and hormonal effects of naloxone challenge following acute morphine pretreatment in humans. In: Harris, L.S. (ed.) *Problems of Drug Dependence*, NIDA Research Monograph 76. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. 1987.
- HIGGINS, S.T., STITZER, M.L. Acute marijuana effects on social conversation. *Psychopharmacology* 89(2):234-238, June 1986.
- HIMMELSBACH, C.K. The morphine abstinence syndrome, its nature and treatment. Annals of Internal Medicine 15(5):829-839, November 1941.
- HIMMELSBACH, C.K., ANDREWS, H.L. Studies on the modification of the morphine abstinence syndrome by drugs. *Journal of Pharmacology and Experimental Therapeutics* 77(1):17-23, January 1943.
- HOFFMEISTER, F. Negative reinforcing properties of some psychotropic drugs in drug-naive rhesus monkeys. Journal of Pharmacology and Experimental Therapeutics 192(2):468-477, February 1975.
- HOFFMEISTER, F., GOLDBERG, S.R. A comparison of chlorpromazine, imipramine, morphine, and d-amphetamine self-administration in cocaine-dependent rhesus monkeys. *Journal of Pharmacology and Experimental Therapeutics* 187(1):8-14, 1973.
- HOFFMEISTER, F., WUTTKE, W. Psychotropic drugs as negative reinforcers. Pharmacological Reviews 27(3):419-428, 1976.
- HOFMANN, A. The chemistry of LSD and its modifications. In: Sankar, S. (ed.) LSD— A Total Study. Westbury, New York: PJD Publications Ltd., 1975, pp. 107-139.
- HOLDER, H.D. (ed.) Advances in Substance Abuse: Behavioral and Biological Research. A Research Annual. Control Issues in Alcohol Abuse Prevention: Strategies for States and Communities. Greenwich, Connecticut: JAI Press, 1987.
- HORST, K., BUXTON, R.E., ROBINSON, W.D. The effect of the habitual use of coffee or decaffeinated coffee upon blood pressure and certain motor reactions of normal young men. *Journal of Pharmacology and Experimental Therapeutics* 52:322-337, 1934.
- HORWITZ, M.B., HINDI-ALEXANDER, M., WAGNER, T.J. Psychosocial mediators of abstinence, relapse, and continued smoking: A one-year follow-up of a minimal intervention. *Addictive Behaviors* 10:29-39, 1985.
- HRDINA, P.D., HUTCHINSON, L.J., LAPIERRE, Y.D., PEREL, J.M., REED, K.L. Pharmacokinetics of psychotropic drugs: What can it tell us? *Progress in Neuro-Psychopharmacological and Biological Psychiatry* 6:681-688, 1982.
- HUBA, G.J., WINGARD, J.A., BENTLER, P.M. A comparison of two latent variable causal models for adolescent drug use. *Journal of Personality and Social Psychology* 40:180-193, 1981.
- HUBBARD, R.L., MARSDEN, M.E. Relapse to use of heroin, cocaine, and other drugs in the first year after treatment. In: Tims, F.M., Leukefeld, C.G. (eds.) Relapse and Recovery in Drug Abuse. NIDA Research Monograph 72. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, pp. 157-166, 1986.
- HUGHES, J.R., GUST, S.W., PECHACEK, T.F. Prevalence of tobacco dependence and withdrawal. *American Journal of Psychiatry* 144:205-208, 1987.
- HUGHES, J.R., HATSUKAMI, D. Signs and symptoms of tobacco withdrawal. Archives of General Psychiatry 43(3):289-294, March 1986.
- HULL, J.G., YOUNG, R.D. The self-awareness reducing effects of alcohol consumption: Evidence and implications. In: Suls, J., Greenwald, A.G. (eds.) Social Psychological Perspectives of the Self (Volume 2). Hillsdale, New Jersey: Erlbaum, 1983.

- HUNT, W.A., BARNETT, L.W., BRANCH, L.G. Relapse rates in addiction programs. Journal of Clinical Psychology 27(4):455-456, October 1971.
- HUNT, W.A., MATARAZZO, J.D. Three years later: Recent developments in the experimental modification of smoking behavior. *Journal of Abnormal Psychology* 81(2):107-114, 1973.
- IMBER, S., SCHULTZ, E., FUNDERBURK, F., ALLEN, R., FLAMER, R. The fate of the untreated alcoholic. *Journal of Nervous and Mental Disease* 162(4):238-247, 1976
- ISBELL, H. Methods and results of studying experimental human addiction to the newer synthetic analgesics. Annals of the New York Academy of Sciences 51(1):108-122, 1948.
- ISBELL, H., ALTSCHUL, S., KORNETSKY, C.H., EISENMAN, A.J., FLANARY, H.G., FRASER, H.F. Chronic barbituate intoxication: An experimental study. A.M.A. Archives of Neurology and Psychiatry. U.S. Department of Health, Education, and Welfare, Public Health Service, 1950, pp. 2-28.
- ISBELL, H., BELLEVILLE, R.E., FRASER, H.F., WIKLER, A., LOGAN, C.R. Studies on lysergic acid diethylamide (LSD-25). I. Effects in former morphine addicts and the development of tolerance during chronic intoxication. Archives of Neurology and Psychiatry (Chicago) 76:468-478, 1956.
- ISBELL, H., FRASER, H.F., WIKLER, A., BELLEVILLE, R.E., EISENMAN, A.J. An experimental study of the etiology of "rum fits" and delirium tremens. Quarterly Journal of Studies on Alcohol 16:1-33, 1955.
- ISBELL, H., VOGEL, V.H. Drug addiction. Merck Manual (Edition 8). Rahway, New Jersey: Merck and Company, 1948.
- ITO, J.R., DONOVAN, D. Aftercare in alcoholism treatment: A review. In: Miller, W.R., Heather, N. (eds.) Treating Addictive Behaviors: Processes of Change. New York: Plenum Press, 1987.
- IWAMOTO, E.T., FUDALA, P.J., MUNDY, W.R., WILLIAMSON, E.C. Nicotine actions in models of learning/memory and reward. In: Martin, W.R., Van Loon, G.R., Iwamoto, E.T., Davis, L. (eds.) Tobacco Smoking and Nicotine: A Neurobiological Approach. New York: Plenum Press, 1987, pp. 101-111.
- JAFFE, J.H. Drug addiction and abuse. In: Goodman, L., Gilman, A. (eds.) The Pharmacological Basis of Therapeutics, 3rd Edition. New York: Macmillan, 1965.
- JAFFE, J.H. Drug addiction and abuse. In: Goodman, L., Gilman, A. (eds.) The Pharmacological Basis of Therapeutics, 4th Edition. New York: Macmillan, 1970.
- JAFFE, J.H. Drug addiction and drug abuse. In: Goodman, L., Gilman, A., Koelle, G., Gilman, A. Jr. (eds.) The Pharmacological Basis of Therapeutics, 5th Edition. New York: MacMillan, 1975.
- JAFFE, J.H. Cigarette smoking as an addiction. American Lung Association Bulletin 62(5):10-12, May 1976.
- JAFFE, J.H. Drug addiction and drug abuse. In: Gilman, A.G., Goodman, L.S., Gilman, A. (eds.) The Pharmacological Basis of Therapeutics, 6th Edition. New York: Macmillan, 1980, pp. 535-584.
- JAFFE, J.H. Drug addiction and drug abuse. In: Gilman, A.G., Goodman, L.S., Rall, T.W., Murad, F. (eds.) Goodman and Gilman's The Pharmacologic Basis of Therapeutics, 7th Edition. New York: MacMillan, 1985, pp. 532-581.
- JAFFE, J.H. Opioids. In: Frances, A.J., Hales, R.E. (eds.) American Psychiatric Association Annual Review, Volume 5. Washington, D.C.: American Psychiatric Press, Inc., 9:137-159, 1986.
- JAFFE, J.H. Pharmacological agents in treatment of drug dependence. In: Meltzer, H.Y. (ed.) Psychopharmacology: The Third Generation of Progress. New York: Raven Press, 1987.

- JAFFE, J.H., CIRAULO, D.A. Drugs used in the treatment of alcoholism. In: Mendelson, J.H., Mello, N.K. (eds.) *The Diagnosis and Treatment of Alcoholism*, Second Edition. New York: McGraw-Hill, 1985, pp. 355-389.
- JAFFE, J.H., CIRAULO, D.A. Alcoholism and depression. In: Meyer, R.E. (ed.) Psychopathology and Addictive Disorders. New York: Guilford Press, 1986, pp. 293-320
- JAFFE, J.H., CIRAULO, D., NIES, A., DIXON, R.B., MONROE, L.L. Abuse potential of halazepam and of diazepam in patients recently treated for acute alcohol withdrawal. Clinical Pharmacology and Therapeutics 34(5):623-630, November 1983
- JANIS, I.L., HOFFMAN, D. Facilitating effects of daily contact between partners who make a decision to cut down on smoking. *Journal of Personality and Social* Psychology 17:25-35, 1970.
- JÄRBE, T.U.C., SWEDBERG, M.D.B. Discriminative stimulus properties of drugs: A brief history and a selective review. Scandinavian Journal of Psychology (Supplement 1):72-78, 1982.
- JARVIK, M.E. Biological influences on cigarette smoking. In: Krasnegor, N.A. (ed.) The Behavioral Aspects of Smoking, NIDA Research Monograph 26. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse, 1979, pp. 8-45.
- JARVIK, M.E., HENNINGFIELD, J.E. Pharmacological treatment of tobacco dependence. *Pharmacology Biochemistry and Behavior*, in press.
- JASINSKI, D.R. Assessment of the abuse potentiality of morphine-like drugs (methods used in man). In: Martin, W.R. (ed.) Drug Addiction I: Morphine, Sedative Hypnotic and Alcohol Dependence. Heidelberg, West Germany: Springer-Verlag, 1977, pp. 197-258.
- JASINSKI, D.R. Opiate withdrawal syndrome: Acute and protracted aspects. Annals of the New York Academy of Sciences 362:183-186, 1981.
- JASINSKI, D.R. Substance abuse. In: Johns, R.J. (ed.) Principles and Practice of Medicine. New York: Appleton-Century-Crofts, in press.
- JASINSKI, D.R., HENNINGFIELD, J.E. Conceptual basis of replacement therapies for chemical dependence. In: Pomerleau, O.F., Pomerleau, C.S., Fagerström, K.O., Henningfield, J.E., Hughes, J.R. (eds.) Nicotine Replacement: A Critical Evaluation. New York: Alan R. Liss, 1988, pp. 13-34.
- JASINSKI, D.R., JOHNSON, R.E., HENNINGFIELD, J.E. Abuse liability assessment in human subjects. *Trends in Pharmacological Science* 5:196-200, May 1984.
- JASINSKI, D.R., JOHNSON, R.E., KOCHER, T.R. Clonidine in morphine withdrawal: Differential effects on signs and symptoms. Archives of General Psychiatry 42:1063-1066, 1985.
- JASINSKI, D.R., NUTT, J.G. Progress Report on the Assessment Program of the NIMH Addiction Research Center. U.S. Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, 1972.
- JASINSKI, D.R., NUTT, J.G., GRIFFITH, J.D. Effects of diethylpropion and damphetamine after subcutaneous and oral administration. Clinical Pharmacology and Therapeutics 16(4):645-652, October 1974.
- JASINSKI, D.R., PEVNICK, J.S., GRIFFITH, J.D. Human pharmacology and abuse potential of the analgesic buprenorphine. Archives of General Psychiatry 35:501-516, April 1978.
- JOHANSON, C.E., BALSTER, R.L., BONESE, K. Self-administration of psychomotor stimulant drugs: The effects of unlimited access. *Pharmacology Biochemistry and Behavior* 4:45-51, 1976.

- JOHANSON, C.E., SCHUSTER, C.R. Animal models of drug self-administration. In: Mello, N.K. (ed.) Advances in Substance Abuse: Behavioral and Biological Research, Volume 2. Greenwich, Connecticut: JAI Press, 1981, pp. 219-297.
- JOHANSON, C.E., UHLENHUTH, E.H. Drug self-administration in humans. In: Krasnegor, N.A. (ed.) Self-Administration of Abused Substances: Methods for Study. NIDA Research Monograph 20. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 78-727, 1978, pp. 68-85.
- JONES, B.E., PRADA, J.A. Drug-seeking behavior during methadone maintenance. Psychopharmacologia (Berlin) 41:7-10, 1975.
- JONES, B.E., PRADA, J.A. Drug-seeking behavior in the dog: Lack of effect of prior passive dependence on morphine. *Drug and Alcohol Dependence* 2(4):287-294, July 1977.
- JONES, B.E., PRADA, J.A., MARTIN, W.R. A method for bioassay of physical dependence on sedative drugs in dog. *Psychopharmacology* 47:7-15, 1976.
- JONES, C.L., BATTJES, R.J. The context and caveats of prevention research on drug abuse. In: Jones, C.L., Battjes, R.J. (eds.) Etiology of Drug Abuse: Implications for Prevention, NIDA Research Monograph 56. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1335, 1985, pp. 1-12.
- JONES, R.T. The pharmacology of cocaine. In: Grabowski, J. (ed.) Cocaine: Pharmacology, Effects and Treatment of Abuse, NIDA Research Monograph 50. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1326, 1984, pp. 34-53.
- JONES, R.T., BENOWITZ, N. The 30-day trip—Clinical studies of cannabis tolerance and dependence. In: Braude, M.C., Szara, S. (eds.) The Pharmacology of Marihuana. New York: Raven Press, 1976, pp. 627-642.
- JONES, R.T., FARRELL, T.R., HERNING, R.I. Tobacco smoking and nicotine tolerance. In: N.A. Krasnegor (ed.) Self-Administration of Abused Substances: Methods for Study, NIDA Research Monograph 20. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-727, 1978.
- JORQUEZ, J. The retirement phase of heroin using careers. Journal of Drug Issues 13(3):343-365, 1983.
- JUDSON, B.A., GOLDSTEIN, A. Episodes of heroin use during maintenance treatment with stable dosage of (-)-α-acetylmethadol (methadyl acetate, LAAM). Drug and Alcohol Dependence 11:271-278, 1983.
- KAIKO, R.F., INTURRISI, C.E. Disposition of acetylmethadol in relation to pharmacologic action. Clinical Pharmacology and Therapeutics 18(1):96-103, July 1975.
- KALANT, H. Behavioral criteria for tolerance and physical dependence. In: Fishman, J. (ed.) The Bases of Addiction, Berlin: Dahlem Konferenzen, 1978, pp. 199–220.
- KALANT, H., LEBLANC, A.E., GIBBINS, R.J. Tolerance to and dependence on some non-opiate psychotropic drugs. *Pharmacological Reviews* 23(3):135-191, 1971.
- KALLMAN, W.M., KALLMAN, M.J., HARRY, G.J., WOODSON, P.P., ROSECRANS, J.A. Nicotine as a discriminative stimulus in human subjects. In: Colpaert, F.C., Slangen, J.L. (eds.) *Drug Discrimination Applications in CNS Pharmacology*. Amsterdam: Elsevier Biomedical Press, 1982, pp. 211-218.
- KANDEL, D.B. Stages in adolescent involvement in drug use. Science 190(4217):912-914, November 28, 1975.

- KANDEL, D.B., MARGUILIES, R.Z., DAVIES, M. Analytical strategies for studying transitions into developmental stages. Sociology of Education 51:162-176, 1978.
- KANDEL, D.B., YAMAGUCHI, K. Developmental patterns of the use of legal, illegal, and medically prescribed psychotropic drugs from adolescence to young adulthood. In: Jones, C.L., Battjes, R.J. (eds.) Etiology of Drug Abuse: Implications for Prevention, NIDA Research Monograph 56. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 85-1335, 1985, pp. 193-235.
- KATO, S., WAKASA, Y., YANAGITA, T. Relationship between minimum reinforcing doses and injection speed in cocaine and pentobarbital self-administration in crabeating monkeys. *Pharmacology Biochemistry and Behavior* 28:407-410, 1987.
- KATZ, J.L., GOLDBERG, S.R. Preclinical assessment of abuse liability of drugs. Agents and Actions 23(1/2):18-26, 1988.
- KAUFMAN, E. Family systems and family therapy of substance abuse: An overview of two decades of research and clinical experience. *International Journal of the Addictions* 20(6 and 7):897-916, 1985.
- KELLAM, S.G., ENSMINGER, M.E., SIMON, M.B. Mental health in first grade and teenage drug, alcohol, and cigarette use. *Drug and Alcohol Dependence* 5:273–304, 1980.
- KENDELL, R.E., STATON, M.C. The fate of untreated alcoholics. Quarterly Journal of Studies on Alcohol 27:30-41, 1966.
- KEUTZER, C.S., LICHTENSTEIN, E., MEES, H.L. Modification of smoking behavior: A review. *Psychological Bulletin* 70:520-533, 1968.
- KHATAMI, M., WOODY, G., O'BRIEN, C. Chronic pain and narcotic addiction: A multitherapeutic approach—a pilot study. Comprehensive Psychiatry 20(1):55-60, 1979.
- KIRN, T.F. Laws ban minors' tobacco purchases but enforcement is another matter. Journal of the American Medical Association 257(24):3323-3324, 1987.
- KIVLIHAN, D.R., SHIER, K.J., DONOVAN, D.M. The Alcohol Dependence Scale: A Validation Study Among Inpatient Alcoholics, in preparation.
- KNUPFER, G. Ex-problem drinkers. In: Roff, M., Tobins, L., Pollack, M. (eds.) Life-History Research in Psychotherapy, Volume 2. Minneapolis: University of Minnesota Press, 1972, pp. 256-280.
- KOLB, L., HIMMELSBACH, C.K. Clinical studies of drug addiction, III. A critical review of the withdrawal treatments with method of evaluating abstinence syndromes. *American Journal of Psychiatry* 94(4):759, January 1938.
- KOPLAN, J.P., POWELL, K.E., SIKES, R.K., SHIRLEY, R.W., CAMPBELL, C.C. An epidemiologic study of the benefits and risks of running. *Journal of the American Medical Association* 248:3118-3121, 1982.
- KOSTEN, T.R., ROUNSAVILLE, B.J., KLEBER, H.D. A 2.5-year follow-up of depression, life crisis, and treatment effects of abstinence among opioid addicts. *Archives of General Psychiatry* 43(8):733-738, August 1986.
- KOZLOWSKI, L.T. Tar and nicotine delivery of cigarettes: What a difference a puff makes. Journal of the American Medical Association 245(2):158-159, 1981.
- KOZLOWSKI, L.T., APPEL, C.-P., FRECKER, R.C., KHOUW, V. Nicotine, a prescribable drug available without prescription. *Lancet* 1:334, 1982.
- KOZLOWSKI, L.T., HERLING, S., LEIGH, G., JELINEK, L., POPE, M., HAERTZEN, C.A., HENNINGFIELD, J.E. The Role of Cigarette Smoking and Caffeine Use in Drug and Alcohol Abuse. Presented at the Annual Meeting of the American Psychological Association, Toronto, Ontario, 1984.

- KOZLOWSKI, L.T., HERMAN, C.P. The interaction of psychosocial and biological determinants of tobacco use: More on the boundary model. *Journal of Applied Social Psychology* 14(3):244-256, 1984.
- KOZLOWSKI, L.T., WILKINSON, D.A. Use and misuse of the concept of craving by alcohol, tobacco, and drug researchers. *British Journal of Addiction* 82:31-36, 1987.
- KRASNEGOR, N.A. (ed.) Self-Administration of Abused Substances: Methods for Study, NIDA Research Monograph 20. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-727, July 1978.
- KRASNEGOR, N.A. (ed.) Behavioral Analysis and Treatment of Substance Abuse, NIDA Research Monograph 25. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-839, June 1979a.
- KRASNEGOR, N.A. (ed.) Cigarette Smoking as Dependence Process, NIDA Research Monograph 23. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-800, January 1979b.
- KRASNEGOR, N.A. (ed.) The Behavioral Aspects of Smoking, NIDA Research Monograph 26. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-882, August 1979c.
- KREEK, M.J. Methadone in treatment: Physiological and pharmacological issues. In: Dupont, R.I., Goldstein, A., O'Donnell, J. (eds.) Handbook on Drug Abuse. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse, 1979, pp. 57-86.
- KUMPFER, K.L. Special populations: Etiology and prevention of vulnerability to chemical dependency in children of substance abusers. In: Brown, B.S., Mills, A.R. (eds.) Youth at High Risk for Substance Abuse. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 87-1537, 1987, pp. 1-71.
- LAL, H., MIKSIC, S., DRAWBAUGH, R., NUMAN, R., SMITH, N. Alleviation of narcotic withdrawal syndrome by conditioned stimuli. *Pavlovian Journal of Biological Science* 11(4):251-262, October-December 1976.
- LANGLEY, J.N. On the reaction of cells and of nerve-endings to certain poisons, chiefly as regards the reaction of striated muscle to nicotine and to curari. *Journal* of *Physiology* (London) 33:374-413, 1905.
- LEACH, B. Does Alcoholics Anonymous really work? In: Bourne, P.G., Fox, R. (eds.)

 Alcoholism: Progress in Research and Treatment. New York: Academic, 1973.
- LEMAIRE, G.A., MEISCH, R.A. Oral drug self-administration in rhesus monkeys: Interactions between drug amount and fixed-ratio size. *Journal of the Experimental Analysis of Behavior* 44(3):377–389, 1985.
- LEMERE, F. What happens to alcoholics? American Journal of Psychiatry 109:674-676, 1953.
- LETTIERI, D.J., SAYERS, M., PEARSON, H.W. (eds.) Theories on Drug Abuse. Selected Contemporary Perspectives, NIDA Research Monograph 30. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 80-967, March 1980.
- LEVINE, D.G. "Needle freaks": Compulsive self-injection by drug users. American Journal of Psychiatry 13:297-300, 1974.

- LEVINE, H.G. The discovery of addiction: Changing conceptions of habitual drunkenness in America. *Journal of Studies on Alcohol* 39(1):143-174, 1978.
- LEVINE, H.G. The alcohol problem in America: From temperance to alcoholism. British Journal of Addiction 79:109-119, 1984.
- LEVISON, P.K., GERSTEIN, D.R., MALOFF, D.R. (eds.) Commonalities in Substance
 Abuse and Habitual Behavior. Lexington, Massachusetts: Lexington Books, 1983.
- LEVY, B. Five years after: A follow-up of 50 narcotic addicts. American Journal of Psychiatry 7:102-106, 1972.
- LEWIN, L. Phantastica: Narcotic and Stimulating Drugs, Their Use and Abuse. London: Paul, Trench, Trubner, 1931.
- LEWIT, E.M., COATE, D. The potential for using excise taxes to reduce smoking. Journal of Health Economics 1:121-145, 1982.
- LEWIT, E.M., COATE, D., GROSSMAN, M. The effects of government regulation on teenager smoking. *Journal of Law and Economics* 24:545-573, 1981.
- LICHTENSTEIN, E. The smoking problem: A behavioral perspective. *Journal of Consulting and Clinical Psychology* 50(6):804-819, 1982.
- LICHTENSTEIN, E. Patterns of Slips and Relapses. Paper presented at the National Heart, Lung, and Blood Institute Conference on Relapse in Smoking Cessation, Washington, D.C., July 1986.
- LICHTENSTEIN, E., ANTONUCCIO, D.W., RAINWATER, G. Unkicking the Habit: The Resumption of Cigarette Smoking. Paper presented at the annual meeting of the Western Psychological Association, Seattle, April 1977.
- LIGHT, A.B., TORRANCE, E.G. Opium addiction: VI. Effects of abrupt withdrawal followed by readministration of morphine in human addicts, with special reference to the composition of the blood, the circulation, and the metabolism. Archives of Internal Medicine 44(1):1-16, July 1929a.
- LIGHT, A.B., TORRANCE, E.G. Opium addiction: VIII. The effects of intramuscular and intravenous administration of large doses of morphine to human addicts. *Archives of Internal Medicine* 44:376–394, 1929b.
- LIN, T., BON, S., DICKINSON, J., BLUME, C. Systematic development and evaluation of a social skills training program for chemical abusers. *International Journal of the Addictions* 17:585-596, 1982.
- LINDSLEY, D.B. Psychological phenomena and the electroencephalogram. *Electroencephalography and Clinical Neurophysiology* 4:443-456, 1952.
- LISKOW, B.I., GOODWIN, D.W. Pharmacological treatment of alcohol intoxication, withdrawal, and dependence: A critical review. *Journal of Studies on Alcohol* 48(4):356-370, 1987.
- LITMAN, G.K., EISER, J.R., TAYLOR, C. Dependence, relapse and extinction: A theoretical critique and a behavioral examination. *Journal of Clinical Psychology* 35(1):192-199, January 1979.
- LITMAN, G.K., STAPLETON, J., OPPENHEIM, A.N., PELEG, M., JACKSON, P. Situations related to alcoholism relapse. *British Journal of Addiction* 78(4):381-389, December 1983.
- LITMAN, G.K., STAPLETON, J., OPPENHEIM, A.N., PELEG, M., JACKSON, P. The relationship between coping behaviours, their effectiveness and alcoholism relapse and survival. *British Journal of Addiction* 79:283-291, 1984.
- LUDWIG, A.M. On and off the wagon: Reasons for drinking and abstaining by alcoholics. Quarterly Journal of Studies on Alcohol 33:91-96, 1972.
- LUDWIG, A.M. Pavlov's "bells" and alcohol craving. Addictive Behaviors 11:87-91,
- LUDWIG, A.M., STARK, L.H. Alcohol craving: Subjective and situational aspects. Quarterly Journal of Studies on Alcohol 35:899-905, 1974.
- LUKAS, S.E., GRIFFITHS, R.R. Precipitated withdrawal by a benzodiazepine receptor antagonist (Ro 15-1788) after 7 days of diazepam. Science 217(4565):1161-1163, September 1982.

- LUKAS, S.E., GRIFFITHS, R.R. Precipitated diazepam withdrawal in baboons: Effects of dose and duration of diazepam exposure. European Journal of Pharmacology 100(2):163-171, April 20, 1984.
- LUKAS, S.E., JASINSKI, D.R. EEG power spectral effects of intravenous nicotine administration in humans. (Abstract.) Federation Proceedings 42:1018, 1983.
- LUKAS, S.E., MENDELSON, J.H. Electroencephalographic activity and plasma ACTH during ethanol-induced euphoria. *Biological Psychiatry*, in press.
- LUKAS, S.E., MENDELSON, J.H., AMASS, L., SMITH, R. Plasma Δ⁹-tetrahydrocannabinol (THC) levels during marihuana-induced EEG and behavioral effects in human subjects. (Abstract.) *Pharmacologist* 28(3):191, 1986c.
- LUKAS, S.E., MENDELSON, J.H., BENEDIKT, R.A., JONES, B. Marihuana-induced changes in EEG and P300 evoked responses in male volunteers. *Pharmacologist* 27:235, 1985.
- LUKAS, S.E., MENDELSON, J.H., BENEDIKT, R.A., JONES. B. EEG, physiologic and behavioral effects of ethanol administration. In: Harris, L.S. (ed.) Problems of Drug Dependence 1985, NIDA Research Monograph 67. U.S. Department of Health and Human Services. Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. 1986a, pp. 209-214.
- LUKAS, S.E., MENDELSON, J.H., BENEDIKT, R.A., JONES, B. EEG alpha activity increases during transient episodes of ethanol-induced euphoria. *Pharmacology Biochemistry and Behavior* 25:889–895, 1986b.
- LUKAS, S.E., MORETON, J.E., KHAZAN, N. Differential electroencephalographic and behavioral cross-tolerance to morphine and methadone in the levo-α-acetylmethadol (LAAM)-maintained rat. *Journal of Pharmacology and Experimental Therapeutics* 220(3):561-567, March 1982.
- MADDUX, J.F., DESMOND, D.P. Relapse and recovery in substance abuse careers.
 In: Tims, F., Leukefeld, C. (eds.) Relapse and Recovery in Drug Abuse, NIDA
 Research Monograph 72. U.S. Department of Health and Human Services, Public
 Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, 1986, pp. 49-71.
- MADSEN, W. The American Alcoholic. Springfield, Illinois: Charles C. Thomas, 1974.
 MANATT, M. Parents, Peers, and Pot II. Parents in Action. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 83-1290. 1983.
- MANN, R.E., VINGILIS, E.R., ADLAF, E.M., KIJEWSKI, K., DE GENOVA, K. A comparison of drinking offenders with other adolescents. *Drug and Alcohol Dependence* 15:181-191, 1985.
- MARKS, M.J., BURCH, J.B., COLLINS, A.C. Effects of chronic nicotine infusion on tolerance development and nicotinic receptors. *Journal of Pharmacology and Experimental Therapeutics* 226(3):817-825, 1983.
- MARLATT, G.A. Craving for alcohol, loss of control, and relapse: A cognitive-behavioral analysis. In: Nathan, P.E., Marlatt, G.A., Lorberg, T. (eds.) Alcoholism: New Directions in Behavioral Research and Treatment. New York: Plenum, 1978.
- MARLATT, G.A. A cognitive-behavioral model of the relapse process. In: Krasnegor, N.A. (ed.) Behavioral Analysis and Treatment of Substance Abuse. NIDA Research Monograph 25. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication (ADM) 79-839, June 1979, pp. 191-200.
- MARLATT, G.A., BAER, J.S., DONOVAN, D.M., KIVLAHAN, D.R. Addictive behaviors: Etiology and treatment. *Annual Review of Psychology* 39:223-252, 1988.
- MARLATT, G.A., GORDON, J.R. Determinants of relapse: Implications for the maintenance of behavior change. In: Davidson, P.O., Davidson, S.M. (eds.) Behavioral Medicine: Changing Health Lifestyles. New York: Brunner/Mazel, 1980, pp. 410-452.

- MARLATT, G.A., GORDON, J.R. Relapse Prevention: Maintenance Strategies in the Treatment of Addictive Behaviors. New York: Guilford Press, 1985.
- MARLATT, G.A., MARQUES, J.K. Meditation, self-control, and alcohol use. In: Stuard, R.B. (ed.) Behavioral Self-Management: Strategies, Techniques, and Outcomes. New York: Brunner/Mazel, 1977.
- MARLATT, G.A., PAGANO, R.R., ROSE, R.M., MARQUES, J.K. Effects of meditation and relaxation training upon alcohol use in social drinkers. In: Shapiro, D.H., Walsh, R.N. (eds.) Meditation: Classical and Contemporary Perspectives. New York: Aldine. 1984.
- MARTIN, W.R. Drug addiction. In: DiPalma, J.R. (ed.) Drill's Pharmacology in Medicine, Third Edition. New York: McGraw-Hill, 1965, pp. 274-285.
- MARTIN, W.R. Pathophysiology of narcotic addiction: Possible roles of protracted abstinence in relapse. In: Zarafonetis, C.J. (ed.) Drug Abuse: Proceedings of the International Conference. Philadelphia: Lea and Febiger, 1972, pp. 153-159.
- MARTIN, W.R. (ed.) Drug Addiction I: Morphine, Sedative/Hypnotic and Alcohol Dependence, Volume 45. Berlin: Springer-Verlag, 1977.
- MARTIN, W.R., FRASER, H.F. A comparative study of physiological and subjective effects of heroin and morphine administered intravenously in postaddicts. *Journal of Pharmacology and Experimental Therapeutics* 133(3):388-399, September 1961.
- MARTIN, W.R., FRASER, H.R., GORODETZKY, C.W., ROSENBERG, D.E. Studies of the dependence-producing potential of the narcotic antagonist 2-cyclopropylmethyl-2'-hydroxy-5,9-dimethyl-6,7-benzomorphan (cyclazocine, WIN-20,740, ARC II-C-3). Journal of Pharmacology and Experimental Therapeutics 150:426-436, 1965.
- MARTIN, W.R., GILBERT, P.E., JASINSKI, D.R., MARTIN, C.D. An analysis of naltrexone precipitated abstinence in morphine-dependent chronic spinal dogs. Journal of Pharmacology and Experimental Therapeutics 240(2):565-570, 1987.
- MARTIN, W.R., ISBELL, H. (eds.) Drug Addiction and the U.S. Public Health Service.
 Proceedings of Symposium Commemorating the 40th Anniversary of the Addiction
 Research Center at Lexington, Kentucky. DHEW Publication No. (ADM) 77-434,
 1978.
- MARTIN, W.R., THOMPSON, W.O., FRASER, H.F. Comparison of graded single intramuscular doses of morphine and pentobarbital in man. *Clinical Pharmacology and Therapeutics* 15:623-630, 1974.
- MARTY, P.J., McDERMOTT, R.J., YOUNG, M., GUYTON, R. Prevalence and psychosocial correlates of dipping and chewing behavior in a group of rural high school students. *Health Education* 17(2):28-31, 1986.
- MATEFY, R.E. Behavior therapy to extinguish spontaneous recurrences of LSD effects: A case study. Journal of Nervous and Mental Disease 156:226-231, 1973.
- MATEJCEK, M. Vigilance and the EEG: Psychological, physiological and pharmacological aspects. In: Hermann, W.M. (ed.) *Electroencephalography in Drug Research*. Stuttgart: Gustav Fischer, 1982, pp. 405–508.
- MAXWELL, M.A. Alcoholics Anonymous: An interpretation. In: Pittman, D.J., Snyder, C.R. (eds.) Society, Culture, and Drinking Patterns. New York: John Wiley and Sons, 1962.
- McAULIFFE, W.E. Beyond secondary deviance: Negative labeling and its effects on the heroin addict. In: Gove, W.R. (ed.) Labeling Approach to Deviant Behavior: The Evaluation of a Perspective. New York: Halsted/Sage, 1975, pp. 205-242.
- McAULIFFE, W.E., FELDMAN, B., FRIEDMAN, R., LAUNER, E., MAGNUSON, E., MAHONEY, C., SANTANGELO, S., WARD, W., WEISS, R. Explaining relapse to opiate addiction following successful completion of treatment. In: Tims, F.M., Leukefeld, C.G. (eds.) Relapse and Recovery in Drug Abuse, NIDA Research Monograph 72. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, 1986, pp. 136-156.

- McAULIFFE, W.E., ROHMAN, M., FELDMAN, B., LAUNER, E. The role of euphoric effects in the opiate addictions of heroin addicts, medical patients and impaired health professionals. *Journal of Drug Issues* 15:203-224, 1985.
- McCAUL, M.E., STITZER, M.L., BIGELOW, G.E., LIEBSON, I.A. Contingency management interventions: Effects on treatment outcome during methadone detoxification. *Journal of Applied Behavior Analysis* 17(1):35-43, Spring 1984.
- McLELLAN, A.T., CHILDRESS, A.R., EHRMAN, R., O'BRIEN, C.P., PASHKO, S. Extinguishing conditioned responses during opiate dependence treatment: Turning laboratory findings into clinical procedures. *Journal of Substance Abuse Treatment* 3:33-40, 1986.
- McLELLAN, A.T., LUBORSKY, L., WOODY, G.E., O'BRIEN, C.P., DRULEY, K.A. Predicting response to alcohol and drug abuse treatments: Role of psychiatric severity. Archives of General Psychiatry 40:620-625, 1983.
- McLELLAN, A.T., WOODY, G.E., O'BRIEN, C. Development of psychiatric illness in drug abusers. New England Journal of Medicine 301:1310-1314, 1979.
- McMILLAN, D.E., HARRIS, L.S., FRANKENHEIM, J.M., KENNEDY, J.S. 1-Δ*-transtetrahydrocannabinol in pigeons: Tolerance to the behavioral effects. *Science* 169(3944):501-503, July 31, 1970.
- McNEILL, A.D., WEST, R.J., JARVIS, M., JACKSON, P., BRYANT, A. Cigarette withdrawal symptoms by adolescent smokers. *Psychopharmacology* 90(4):533-536, 1986.
- MEDICAL ECONOMICS COMPANY. Physicians' Desk Reference 1988. Oradell, New Jersey: Medical Economics Company, Inc., 1988.
- MEISCH, R.A. Ethanol self-administration: Infrahuman studies. In: Thompson, T., Dews, P.B. (eds.) Advances in Behavioral Pharmacology, Volume 1. New York: Academic Press, pp. 35-84, 1977.
- MEISCH, R.A. Animal studies of alcohol intake. British Journal of Psychiatry 141:113-120, 1982.
- MEISCH, R.A. Factors controlling drug reinforced behavior. Pharmacology Biochemistry and Behavior 27:367-371, 1987.
- MEISCH, R.A., CARROLL, M.E. Establishment of orally delivered drugs as reinforcers for rhesus monkeys: Some relations to human drug dependence, In: Thompson, T., Johanson, C.E. (eds.) Behavioral Pharmacology of Human Drug Dependence, NIDA Research Monograph 37. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 81-1137, July 1981, pp. 197-209.
- MEISCH, R.A., KLINER, D.J., HENNINGFIELD, J.E. Pentobarbital drinking by rhesus monkeys: Establishment and maintenance of pentobarbital-reinforced behavior. *Journal of Pharmacology and Experimental Therapeutics* 217:114-120, 1981.
- MEISCH, R.A., THOMPSON, T. Ethanol intake in the absence of concurrent food reinforcement. *Psychopharmacologia* 22:72-79, 1971.
- MELLO, N.K. Some aspects of the behavioral pharmacology of alcohol. In: Efron, D.H. et al. (eds.) Psychopharmacology: A Review of Progress 1957-1967. PHS Publication No. 1836, 1968, pp. 787-809.
- MELLO, N. Behavioral studies of alcoholism. In: Kissin, B., Begleiter, H. (eds.) The Biology of Alcoholism, Volume 2. New York: Plenum Press, 1972, pp. 219-291.
- MELLO, N.K. A review of methods to induce alcohol addiction in animals. Pharmacology Biochemistry and Behavior 1:89-101, 1973.
- MELLO, N.K., McNAMEE, H.B., MENDELSON, J.H. Drinking patterns of chronic alcoholics: Gambling and motivation for alcohol. In: Cole, J.O. (ed.) Clinical Research in Alcoholism, Psychiatric Report No. 24. American Psychiatric Association, 1968, pp. 83-118.

- MELLO, N.K., MENDELSON, J.H. Experimentally induced intoxication in alcoholics: A comparison between programmed and spontaneous drinking. *Journal of Pharmacology and Experimental Therapeutics* 173(1):101-114, 1970.
- MELLO, N.K., MENDELSON, J.H. The effects of drinking to avoid shock on alcohol intake in primates. In: Roach, M.K., McIsaac, W.M., Creaven, P.J. (eds.) *Biological Aspects of Alcohol*. Austin: University of Texas Press, 1971a, pp. 313-332.
- MELLO, N.K., MENDELSON, J.H. Evaluation of a polydipsia technique to induce alcohol consumption in monkeys. *Physiology and Behavior* 7:827-836, 1971b.
- MELLO, N.K., MENDELSON, J.H. Behavioral pharmacology of human alcohol, heroin and marihuana use. In: Fishman, J. (ed.) The Bases of Addiction. Berlin: Dahlem Konferenzen, 1978, pp. 133-155.
- MENDELSON, J.H., MELLO, N.K. Experimental analysis of drinking behavior of chronic alcoholics. Annals of the New York Academy of Sciences 133:828-845, 1966.
- MENDELSON, J.H., MELLO, N.K. Reinforcing properties of oral Δ-9-tetrahydrocannabinol, smoked marijuana, and nabilone: Influence of previous marijuana use. *Psychopharmacology* 83(4):351-356, July/August 1984.
- MENDELSON, J.H., MELLO, N.K., LEX, B.W., BAVLI, S. Marijuana withdrawal syndrome in a woman. *American Journal of Psychiatry* 141(10):1289–1290, October 1984.
- MERMELSTEIN, R., COHEN, S., LICHTENSTEIN, E., BAER, J.S., KAMARCK, T. Social support and smoking cessation and maintenance. *Journal of Consulting and Clinical Psychology* 54:447–453, 1986.
- MERMELSTEIN, R., LICHTENSTEIN, E., McINTYRE, K. Partner support and relapse in smoking cessation programs. *Journal of Consulting and Clinical Psychology* 51(3):465-466, June 1983.
- MEYER, R.E. How to understand the relationship between psychopathology and addictive disorders: Another example of the chicken and the egg. In: Meyer, R.E. (ed.) Psychopathology and Addictive Disorders. New York: Guilford Press, 1986, pp. 3–16.
- MEYER, R.E., MIRIN, S.M. The Heroin Stimulus: Implications for a Therapy of Addiction. New York: Plenum Medical Books, 1979.
- MILLER, W.R. Problem drinking and substance abuse: Behavioral perspectives. In: Krasnegor, N.A. (ed.) Behavioral Analysis and Treatment of Substance Abuse, NIDA Research Monograph 25. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-839, 1979, pp. 158-177.
- MILLER, P.M., EISLER, R.M. Assertive behavior of alcoholics: A descriptive analysis. Behavior Therapy 8:146-149, 1971.
- MILLER, P.M., HERSEN, M., EISLER, R.M., HILSMAN, G. Effects of social stress on operant drinking of alcoholics and social drinkers. *Behavior Research and Therapy* 12:67-72, 1974.
- MILLER, W.R., HESTER, R. The effectiveness of alcoholism treatment: What research reveals. In: Miller, W., Heather, N. (eds.) *Treating Addictive Behaviors:* Processes of Change. New York: Plenum Press, 1986a.
- MILLER, W.R., HESTER, R.K. Inpatient alcoholism treatment: Who benefits? American Psychologist 41(7):794-805, July 1986b.
- MILLER, W.R., JOYCE, M.A. Prediction of abstinence, controlled drinking, and heavy drinking outcomes following behavioral self-control training. *Journal of Consult*ing and Clinical Psychology 47:773-775, 1979.
- MILLMAN, R., KHURI, E., NYSWANDER, M. Therapeutic detoxification of adolescent heroin addicts. *Annals of the New York Academy of Sciences* 311:153-164, 1978.

- MOBERG, D.P., KRAUSE, W.K., KLEIN, P.E. Posttreatment drinking behavior among inpatients from an industrial alcoholism program. *International Journal of the Addictions* 17(3):549-567, 1982.
- MOOS, R.H., BROMET, E., TSU, V., MOOS, B. Family characteristics and the outcome of treatment for alcoholism. *Journal of Studies on Alcohol* 40(1):78-88, 1979.
- MOOS, R.H., FINNEY, J.W., CHAN, D.A. The process of recovery from alcoholism. I. Comparing alcoholic patients and matched community controls. *Journal of Studies on Alcohol* 42(5):383-402, 1981.
- MOOS, R.H., MOOS, B.S. The process of recovery from alcoholism: III. Comparing functioning in families of alcoholics and matched control families. *Journal of Studies on Alcohol* 45(2):111-118, 1984.
- MORETON, J.E., MEISCH, R.A., STARK, L., THOMPSON, T. Ketamine self-administration by the rhesus monkey. *Journal of Pharmacology and Experimental Therapeutics* 203(2):303-309, 1977.
- MORRISON, C.F., STEPHENSON, J.A. Nicotine injections as the conditioned stimulus in discrimination learning. *Psychopharmacologia* 15:351-360, 1969.
- MORSELLI, P.L. (ed.) Drug Disposition During Development. New York: Spectrum Publications, Inc., 1977.
- MURANAKA, H., HIGASHI, E., ITANI, S., SHIMIZU, Y. Evaluation of nicotine, cotinine, thiocyanate, carboxyhemoglobin, and expired carbon monoxide as biochemical tobacco smoke uptake parameters. *International Archives of Occupational and Environmental Health* 60:37-41, 1988.
- MURPHY, T., MARLATT, G.A., PAGANO, R. Lifestyle modification with heavy alcohol drinkers: Effects of aerobic exercise and meditation. *Addictive Behaviors* 11(2):175-186, 1986.
- MURRAY, A.L., LAWRENCE, P.S. Sequelae to smoking cessation: A review. Clinical Psychology Review 4(2):143-157, 1984.
- MYERS, H.B., AUSTIN, V.T. Nitrite toleration. Journal of Pharmacology and Experimental Therapeutics 36:227-230, 1929.
- NAHAS, G.G., FRICK, H.C. II. (eds.) Drug Abuse in the Modern World. A Perspective for the Eighties. New York: Pergamon Press, 1981.
- NATHAN, P.E., O'BRIEN, J.S., LOWENSTEIN, L.M. Operant studies of chronic alcoholism: Interaction of alcohol and alcoholics. In: Roach, M.K., McIsaac, W.M., Creaven, P.J. (eds.) *Biological Aspects of Alcoholism*. Austin: University of Texas Press, 1971.
- NATIONAL HOUSEHOLD SURVEY ON DRUG ABUSE 1985. Rockville, Maryland: National Institute on Drug Abuse, in preparation.
- NATIONAL INSTITUTE ON DRUG ABUSE. Leisure Patterns of Opioid Addicts: A Six-Year Followup of Clients, Services Research Report. U.S. Department of Health and Human Services, National Institute on Drug Abuse. DHHS Publication No. (ADM) 81-1040, 1980.
- NEGIN, E. Just a pinch between your cheek and gum. *Public Citizen* (Spring):28–32, 1985.
- NEMETH-COSLETT, R., HENNINGFIELD, J.E., O'KEEFE, M.K., GRIFFITHS, R.R. Nicotine gum: Dose-related effects on cigarette smoking and subjective ratings. *Psychopharmacology* 92(1):424–430, 1987.
- NURCO, D.N., WEGNER, N., STEPHENSON, P., MAKOFSKY, A., SHAFFER, J.W. Ex-Addicts' Self-Help Groups: Potentials and Pitfalls. New York: Praeger, 1983.
- O'BRIEN, C.P. Experimental analysis of conditioning factors in human narcotic addiction. *Pharmacological Reviews* 27(4):533-543, December 1975.
- O'BRIEN, C.P., EHRMAN, R.N., TERNES, J.W. Classical conditioning in human opioid dependence. In: Goldberg, S.R., Stolerman, I.P. (eds.) Behavioral Analysis of Drug Dependence. Orlando: Academic Press, Inc., 1986, pp. 329-356.

- O'BRIEN, C.P., TESTA, T., TERNES, J., GREENSTEIN, R. Conditioning effects of narcotics in humans. In: Krasnegor, N.A. (ed.) Behavioral Tolerance: Research and Treatment Implications, NIDA Research Monograph 18. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-551, 1978, pp. 67-71.
- O'DONNELL, J.A., CLAYTON, R.R. The stepping stone hypothesis—marijuana, heroin, and causality. *Chemical Dependencies* 4(3):229-241, 1982.
- OGBORNE, A.C. Patient characteristics as predictors of treatment outcomes for alcohol and drug abusers. In: Israel, Y., Glaser, F.B., Kalant, H., Popham, R.E., Schmidt, W., Smart, R.G. (eds.) Research Advances in Alcohol and Drug Problems. New York: Plenum Press, 1978.
- OKAMOTO, M. Barbiturate tolerance and physical dependence: Contribution of pharmacological factors. In: Sharp, C.W. (ed.) *Mechanisms of Tolerance and Dependence*, NIDA Research Monograph 54. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1330, 1984, pp. 333-347.
- OKAMOTO, M., RAO, S., WALEWSKI, J.L. Effect of dosing frequency on the development of physical dependence and tolerance to pentobarbital. *Journal of Pharmacology and Experimental Therapeutics* 238(3):1004-1008, 1986.
- OKAMOTO, M., ROSENBERG, H.C., BOISSE, N.R. Tolerance characteristics produced during the maximally tolerable chronic pentobarbital dosing in the cat.

 Journal of Pharmacology and Experimental Therapeutics 192(3):555-564, 1975.
- O'LEARY, D.E., O'LEARY, M.R., DONOVAN, D.M. Social skills acquisition and psychosocial development of alcoholics: A review. Addictive Behaviors 1:111-120, 1976.
- O'LEARY, M.R., DONOVAN, D.M., CHANEY, E.F., WALKER, R.D. Cognitive impairment and treatment outcome with alcoholics: Preliminary findings. *Journal of Clinical Psychiatry* 40:397-398, 1979.
- ORFORD, J., EDWARDS, G. Alcoholism: A Comparison of Treatment and Advice, With a Study of the Influence of Marriage. Oxford: Oxford University Press, 1977.
- ORFORD, J., OPPENHEIMER, E., EGERT, S., HENSMAN, C., GUTHRIE, S. The cohesiveness of alcoholism-complicated marriages and its influence on treatment outcome. *British Journal of Psychiatry* 128:318-339, 1976.
- OSSIP-KLEIN, D.J., BIGELOW, G., PARKER, S.R., CURRY, S., HALL, S., IRKLAND, S. Classification and assessment of smoking behavior. *Health Psychology* 5 (Supplement):3-11, 1986.
- OVERTON, D.A. Discriminative control of behavior by drug states. In: Thompson, T., Pickens, R. (eds.) Stimulus Properties of Drugs. New York: Appleton-Century-Crofts, 1971, pp. 87-110.
- OVERTON, D.A., BATTA, S.K. Relationship between abuse liability of drugs and their degree of discriminability in the rat. In: Thompson, T., Unna, K.R. (eds.) Predicting Dependence Liability of Stimulant and Depressant Drugs. Baltimore: University Park Press, 1977, pp. 125-135.
- PEDERSON, L., LEFCOE, N. A psychological and behavioral comparison of exsmokers and smokers. *Journal of Chronic Diseases* 29:431-434, 1976.
- PEELE, S. Why do controlled-drinking outcomes vary by investigator, by country and by era? Cultural conceptions of relapse and remission in alcoholism. *Drug and Alcohol Dependence* 20:173-201, 1987.
- PEMBERTON, D.A. A comparison of the outcome of treatment in female and male alcoholics. *British Journal of Psychiatry* 113:367-373, 1967.
- PERRI, M., RICHARDS, C., SCHULTHEIS, F. Behavioral self-control and smoking reduction: A study of self-initiated attempts to reduce smoking. *Behavior Therapy* 8:360-365, 1977.

- PETERSEN, R.C. (ed.) The International Challenge of Drug Abuse, NIDA Research Monograph 19. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-654, 1978.
- PICKENS, R., BIGELOW, G., GRIFFITHS, R. Case histories and shorter communications. Behavior Research and Therapy 11(3):321-325, August 1973.
- PICKENS, R.W., HATSUKAMI, D.K., SPICER, J.W., SVIKIS, D.S. Relapse by alcohol abusers. *Alcohol Clinical and Experimental Research*, 9(3):244-247, May-June 1985.
- PICKENS, R., THOMPSON, T. Cocaine-reinforced behavior in rats: Effects of reinforcement magnitude and fixed-ratio size. *Journal of Pharmacology and Experimental Therapeutics* 161(1):122-129, 1968.
- PICKWORTH, W.B., HERNING, R.I., HENNINGFIELD, J.E. Mecamylamine reduces some EEG effects of nicotine chewing gum in humans. *Pharmacology Biochemistry and Behavior* 30:149–153, 1988.
- PLATT, J.J. Heroin Addiction: Theory, Research, and Treatment. Malabar, Florida: Krieger, 1986.
- POKORNY, A.D., MILLER, B.A., KANAS, T., VALLES, J. Effectiveness of extended aftercare in the treatment of alcoholism. *Quarterly Journal of Studies on Alcohol* 34:435-443, 1973.
- POLAKOW, R.L., DOCTOR, R.M. Treatment of marijuana and barbiturate dependency by contingency contracting. *Journal of Behavior Therapy and Experimental Psychiatry* 4:375-377, 1973.
- POLICH, J.M., ARMOR, D.J., BRAIKER, H.B. Patterns of alcoholism over four years. Journal of Studies on Alcohol 4(5):397-416, 1980.
- POLICH, J.M., ARMOR, J.J., BRAIKER, H.B. The Course of Alcoholism: Four Years After Treatment. New York: John Wiley and Sons, 1981.
- POMERLEAU, O.F. Behavioral factors in the establishment, maintenance, and cessation of smoking. In: Krasnegor, N.A. (ed.) The Behavioral Aspects of Smoking, NIDA Research Monograph 26. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-882, 1979, pp. 48-57.
- POMERLEAU, O., ADKINS, D., PERTSCHUK, M. Predictors of outcome and recidivism in smoking cessation treatment. Addictive Behaviors 3(2):65-70, 1978.
- PRESIDENT'S ADVISORY COMMISSION ON NARCOTIC AND DRUG ABUSE. The President's Advisory Commission on Narcotic and Drug Abuse. Washington, D.C.: U.S. Government Printing Office, 1963.
- RADOUCO-THOMAS, S., GARCIN, F., DENVER, D., GAUDREAULT, V., RADOU-CO-THOMAS, C. A possible "eco-pharmacogenetic" model in neuropsychopharmacology aspects in alcoholism and pharmacodependence. *Progress in Neuropsycho-pharmacology* 4:313-315, 1980.
- RAO, C.R. Advanced Statistical Methods in Biometric Research. New York: John Wiley and Sons, 1952.
- RAW, M., JARVIS, M.J., FEYERABEND, C., RUSSELL, M.A.H. Comparison of nicotine chewing-gum and psychological treatments for dependent smokers. *British Medical Journal* 281:481-482, 1980.
- RECTOR, F.C., SELDIN, D.W., COPENHAVER, J.H. The mechanism of ammonia excretion during ammonium chloride acidosis. *Journal of Clinical Investigation* 34:20-26, 1955.
- RHOADS, D. A longitudinal study of life stress and social support among drug abusers. International Journal of the Addictions 18:195-222, 1983.

- RICHARDS, L.G., BLEVENS, L.B. (eds.) The Epidemiology of Drug Abuse: Current Issues, NIDA Research Monograph 10. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 77-432, 1977.
- RICKARD-FIGUEROA, K., ZEICHNER, A. Assessment of smoking urge and its concomitants under an environmental smoking cue manipulation. *Addictive Behaviors* 10:249-256, 1985.
- RIORDAN, C., MEZRITZ, M., SLOBETZ, F., KLEBER, H. Successful detoxification from methadone maintenance. *Journal of the American Medical Association* 235:2604–2607, 1976.
- ROBINS, L.N., DAVIS, D.H., GOODWIN, D.W. Drug use by U.S. Army enlisted men in Vietnam: A follow-up on their return home. American Journal of Epidemiology 99:235-249, 1974.
- ROBINS, L.N., DAVIS, D.H., NURCO, D.N. How permanent was Vietnam drug addiction? American Journal of Public Health 64(Supplement):38-43, 1974.
- ROBINS, L.N., HELZER, J.E. Drug use among Vietnam veterans—Three years later. *Medical World News*: 44-45, October 1975.
- ROBINS, L.N., HELZER, J.E., DAVIS, D.H. Narcotic use in southeast Asia and afterward. Archives of General Psychiatry 2:955-961, 1975.
- ROBINS, L.N., HELZER, J.E., HESSELBROCK, M., WISH, E. Vietnam veterans three years after Vietnam: How our study changed our view of heroin. In: Harris, L. (ed.) Problems of Drug Dependence. Proceedings of the Committee on Problems of Drug Dependence. Washington, D.C.: National Academy of Sciences, 1977.
- ROBSON, R.A.H., PAULUS, I., CLARKE, G.G. An evaluation of the effect of a clinic treatment program on the rehabilitation of alcoholic patients. *Quarterly Journal of Studies on Alcohol* 26:264-278, 1965.
- RONNBERG, S. Behavioral analysis of alcohol abuse. In: Sjoden, P.O., Bates, S., Dockens, W.S. (eds.) *Trends in Behavior Therapy*. New York: Academic, 1979.
- ROSE, J.E., TASHKIN, D.P., ERTLE, A., ZINSER, M.C., LAFER, R. Sensory blockade of smoking satisfaction. *Pharmacology Biochemistry and Behavior* 23(2):289–293, August 1985.
- ROSECRANS, J.A., MELTZER, L.T. Central sites and mechanisms of action of nicotine. Neuroscience and Biobehavioral Reviews 5(4):497-501, Winter 1981.
- ROSENBERG, H. Relapsed versus non-relapsed alcohol abusers: Coping skills, life events, and social support. Addictive Behaviors 8:183-186, 1983.
- ROUNSAVILLE, B.J., DOSTEN, T.R., WEISSMAN, M.M., KLEBER, H.D. Evaluating and Treating Depressive Disorders in Opiate Addicts, NIDA Treatment Research Monograph Series. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. 85-1406, 1985.
- ROUNSAVILLE, B.J., KLEBER, H.D. Psychiatric disorders in opiate addicts: Preliminary findings on the course and interaction with program type. In: Meyer, R.E. (ed.) *Psychopathology and Addictive Disorders*. New York: Guilford Press, 1986, pp. 140-168.
- ROUNSAVILLE, B.J., WEISSMAN, M.M., KLEBER, H., WILBER, T. Heterogeneity of psychiatric diagnosis in treated opiate addicts. *Archives of General Psychiatry* 39:161-166, 1982.
- RUSSELL, M.A.H. Tobacco smoking and nicotine dependence. In: Gibbins, R.J., Israel, Y., Kalant, H., Popham, R.E., Schmidt, W., Smart, R.G. (eds.) Research Advances in Alcohol and Drug Problems. New York: John Wiley and Sons, 1976, pp. 1-47.

- RUSSELL, M.A.H. Tobacco dependence: Is nicotine rewarding or aversive? In: Krasnegor, N.A. (ed.) Cigarette Smoking as a Dependence Process, NIDA Research Monograph 23. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-800, January 1979, pp. 100-122
- SAMSONOWITZ, V., SJOBERG, L. Volitional problems of socially adjusted alcoholics. *Addictive Behaviors* 6:385–398, 1981.
- SANDAHL, C. Determinants of relapse among alcoholics: A cross-cultural replication study. *International Journal of the Addictions* 19(8):833-848, 1984.
- SAUNDERS, W., PHIL, M., KERSHAW, P. Spontaneous remission from alcoholism— A community study. British Journal of Addiction 74:251-265, 1979.
- SAVAGE, L.J., SIMPSON, D.D. Criminal behaviors of opioid addicts during a four-year followup after drug abuse treatment. IBR Report. Fort Worth, Texas: Institute of Behavioral Research, 1979, pp. 79-12.
- SCHASRE, R. Cessation patterns among neophyte heroin users. International Journal of the Addictions 1(2):23-32, 1966.
- SCHINDLER, C.W., KATZ, J.L., GOLDBERG, S.R. The use of second-order schedules to study the influence of environmental stimuli on drug seeking behavior. In: Ray, B. (ed.) NIDA Technical Review on Learning Factors in Substance Abuse, NIDA Research Monograph. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse, in press.
- SCHUMAN, L.M. Patterns of smoking behavior. In: Jarvik, M.E., Cullen, J.W., Gritz, E.R., Vogt, T.M., West, L.J. (eds.) Research on Smoking Behavior, NIDA Research Monograph 17. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-581, 1977, pp. 36-66.
- SCHUSTER, C.R., BALSTER, R.L. The discriminative stimulus properties of drugs. In: Thompson, T., Dews, P.B. (eds.) Advances in Behavioral Pharmacology, Volume 1. New York: Academic Press, 1977, pp. 85-138.
- SCHUSTER, C.R., WOODS, J.H. Morphine as a reinforcer for operant behavior: The effects of dosage per injection. Report to Committee on Problems of Drug Dependence. Washington, D.C.: National Academy of Sciences, 1967, pp. 5067-5072.
- SCHUSTER, C.R., WOODS, J.H. The conditioned reinforcing effects of stimuli associated with morphine reinforcement. *International Journal of the Addictions* 3(1):223-230, Spring 1968.
- SCHWARTZ, J.L. Review and Evaluation of Smoking Cessation Methods: The United States and Canada, 1978-1985. U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, Publication No. 87-2940, April 1987.
- SCHWARTZ, J.L. A critical review and evaluation of smoking control methods. Public Health Reports 84(6):483-506, 1969.
- SEIDEN, L.S., BALSTER, R.L. (eds.) Behavioral Pharmacology. The Current Status. New York: Alan R. Liss, Inc., 1985.
- SELLERS, E.M., NARANJO, C.A., HARRISON, M., DEVENYI, P., ROACH, C., SYKORA, K. Diazepam loading: Simplified treatment of alcohol withdrawal. Clinical Pharmacology and Therapeutics 34(6):822-826, 1983.
- SHARP, C.W. (ed.) Mechanisms of Tolerance and Dependence, NIDA Research Monograph 54. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1330, 1984, pp. 114-135.

- SHIFFMAN, S.M. The tobacco withdrawal syndrome. In: Krasnegor, N.A. (ed.) Cigarette Smoking as a Dependence Process, NIDA Research Monograph 23. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 79-800, 1979, pp. 158-184.
- SHIFFMAN, S. Relapse following smoking cessation: A situational analysis. *Journal of Consulting and Clinical Psychology* 50(1):71-86, 1982.
- SHIFFMAN, S. Cognitive antecedents and sequelae of smoking relapse crises. *Journal of Applied Social Psychology* 14(3):296–309, 1984.
- SHIFFMAN, S., SCHUMAKER, S.A., ABRAMS, D.B., COHEN, S., GARVEY, A., GRUNBERG, N.E., SWAN, G.E. Models of smoking relapse. *Health Psychology* 5(Supplement):13-27, 1986.
- SHUMAKER, S.A., GRUNBERG, N.E. (eds.) Proceedings of the National Working Conference on Smoking Relapse. *Health Psychology* 5 (Supplement), 1986.
- SIEGEL, S. Evidence from rats that morphine tolerance is a learned response. *Journal of Comparative and Physiological Psychology* 89(5):498-506, July 1975.
- SIEGEL, S. Morphine analgesic tolerance: Its situation specificity supports a Pavlovian conditioning model. *Science* 193(4250):323-325, July 23, 1976.
- SIEGEL, S. A Pavlovian conditioning analysis of morphine tolerance. In: Krasnegor, N.A. (ed.) Behavioral Tolerance: Research and Treatment Implications, NIDA Research Monograph 18. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-559, 1978, pp. 27-47.
- SILER, J.F., SHEEP, W.L., BATES, L.B., CLARK, G.F., COOK, G.W., SMITH, W.A. Marijuana smoking in Panama. *Military Surgeon* 73:269-280, 1933.
- SIMPSON, D.D. Employment among opioid addicts during a four-year followup after drug abuse treatment. *Journal of Drug Issues* 11:435-449, 1981.
- SIMPSON, D.D., CRANDALL, R., SAVAGE, L.J., PAVIA-KRUEGER, E. Leisure of opiate addicts at post-treatment followup. *Journal of Counseling Psychology* 28(1):36-39, 1981.
- SIMPSON, D.D., JOE, G.W., LEHMAN, W.E.K. Addictions Careers: Summary of Studies Based on the DARP 12-year Followup. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1420, 1986.
- SIMPSON, D.D., LLOYD, M.R. Client evaluations of drug abuse treatment in relation to follow-up outcomes. *American Journal of Drug and Alcohol Abuse* 6(4):397-411, 1979.
- SIMPSON, D.D., MARSH, K.L. Relapse and recovery among opioid addicts 12 years after treatment. In: Tims, F.M., Leukefeld, C.G. (eds.) Relapse and Recovery in Drug Abuse, NIDA Research Monograph 72. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, 1986.
- SIMPSON, D.D., SAVAGE, L.J., LLOYD, M.R. Follow-up evaluation of treatment of drug abuse during 1969 to 1972. Archives of General Psychiatry 36:772-780, 1979.
- SIMPSON, D.D., SELLS, S.B. Effectiveness of treatment for drug abuse: An overview of the DARP Research Program. Advances in Alcohol and Substance Abuse 2(1):7-29, 1982.
- SKINNER, B.F. The Behavior of Organisms: An Experimental Analysis. New York: D. Appleton-Century Company, 1938.
- SKINNER, B.F. Science and Human Behavior. New York: MacMillan, 1953.
- SLATER, E.J., LINN, M.W. Predictors of rehospitalization in a male alcoholic population. American Journal of Drug and Alcohol Abuse 9(2):211-220, 1982-1983.

- SMITH, D.E. Diagnostic, treatment and aftercare approaches to cocaine abuse. Journal of Substance Abuse Treatment 1:5-9, 1984.
- SMITH, D.I. Evaluation of a residential AA programme for women. Alcohol and Alcoholism 20:315-327, 1985.
- SMITH, T.E. Drug Education with Adolescent Marijuana Abusers. Doctoral dissertation, University of Washington, Dissertation Abstracts International 42, 5251A, 1982
- SORENSEN, J.L., GIBSON, D. Community network approach to drug abuse treatment. Bulletin of the Society of Psychologists in Addictive Behaviors 2:99-102, 1983.
- SPEALMAN, R.D., GOLDBERG, S.R. Drug self-administration by laboratory animals: Control by schedules of reinforcement. Annual Review of Pharmacology and Toxicology 18:313-339, 1978.
- SPECK, R.V., ATTNEAVE, C.L. Family Networks. New York: Pantheon, 1973.
- SPYRAKI, C., FIBIGER, H.C., PHILLIPS, A.G. Cocaine-induced place preference conditioning: Lack of effects of neuroleptics and 6-hydroxydopamine lesions. *Brain Research* 253(1-2):195-203, December 16, 1982.
- STALL, R. An examination of spontaneous remission from problem drinking in the bluegrass region of Kentucky. *Journal of Drug Issues* 13(2):191-206, 1983.
- STALL, R., BIERNACKI, P. Spontaneous remission from the problematic use of substances: An inductive model derived from a comparative analysis of the alcohol, opiate, tobacco, and food/obesity literatures. *International Journal of the Addictions* 21(1):1-23, 1986.
- STANTON, M.D. Family treatment of drug problems: A review. In: Shapiro, D.H., Walsh, R.N. (eds.) *Meditation: Classic and Contemporary Perspectives.* New York: Aldine, 1978, pp. 105-120.
- STANTON, M.D. The client as a family member: Aspects of continuing treatment. In: Brown, B.S. (ed.) *Addicts and Aftercare*. Beverly Hills, California: Sage, 1979, pp. 81-102.
- STANTON, M.D., TODD, T.C., STEIER. Structural family therapy with drug addicts. In: Kaufman, E., Kaufman, P. (eds.) Family Therapy of Drug and Alcohol Abuse. New York: Gardner, 1979.
- STEAD, P., VIDERS, J. A "SHARP" approach to treating alcoholism. Social Work 24:144-149, 1979.
- STEPHENS, R., COTTRELL, E.A. A follow-up study of 200 narcotic addicts committed for treatment under the Narcotic Addict Rehabilitation Act (NARA). British Journal of Addiction 67:45-53, 1971.
- STEWART, J., DE WIT, H., EIKELBOOM, R. Role of unconditioned and conditioned drug effects in the self-administration of opiates and stimulants. *Psychological Review* 91(2):251-268, 1984.
- STEWART, R.B., GRUPP, L.A. Some determinants of the motivational properties of ethanol in the rat: Concurrent administration of food or social stimuli. *Psychopharmacology* 87:43-50, 1985.
- STITZER, M.L., BIGELOW, G.E. Contingent reinforcement for reduced breath carbon monoxide levels: Target-specific effects on cigarette smoking. *Addictive Behaviors* 10:345–349, 1985.
- STITZER, M.L., BIGELOW, G.E., LIEBSON, I.A., HAWTHORNE, J.W. Contingent reinforcement for benzodiazepine-free urines: Evaluation of a drug abuse treatment intervention. *Journal of Applied Behavior Analysis* 15(4):493-503, Winter 1982.
- STITZER, M.L., BIGELOW, G.E., LIEBSON, I.A., McCAUL, M.E. Contingency management of supplemental drug use during methadone maintenance treatment. In: Grabowski, J., Stitzer, M.L., Henningfield, J.E. (eds.) Behavioral Intervention Techniques in Drug Abuse Treatment, NIDA Research Monograph 46. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1282, July 1984, pp. 84-103.

- STITZER, M.L., BIGELOW, G.E., McCAUL, M.E. Behavioral approaches to drug abuse. *Progress in Behavior Modification*, Volume 14. New York: Academic Press, 1983, pp. 49-124.
- STITZER, M.L., GRIFFITHS, R.R., BIGELOW, G.E., LIEBSON, I.A. Social stimulus factors in drug effects in human subjects. In: Thompson, T., Johanson, C.E. (eds.) Behavioral Pharmacology of Human Drug Dependence, NIDA Research Monograph 37. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. U.S. DHHS Publication No. (ADM) 83-1137, 1981, pp. 130-154.
- STITZER, M.L., GROSS, J. Smoking relapse: The role of pharmacological and behavioral factors. In: Pomerleau, O.F., Pomerleau, C.S., Fagerström, K.O., Henningfield, J.E., Hughes, J.R. (eds.) *Nicotine Replacement. A Critical Evaluation*. New York: Alan R. Liss, Inc., 1988, pp. 163-184.
- STITZER, M., MORRISON, J., DOMINO, E.F. Effects of nicotine on fixed-interval behavior and their modification by cholinergic antagonists. *Journal of Pharmacology and Experimental Therapeutics* 171:166-177, 1970.
- SUE, D. Use and abuse of alcohol by Asian Americans. *Journal of Psychoactive Drugs* 19(1):57-66, 1987.
- SUTKER, P. MMPI Subtypes and antisocial behaviors in adolescent alcohol and drug abuser. Drug and Alcohol Dependence 13:235-244, 1984.
- SUTTON, S.R. Interpreting relapse curves. Journal of Consulting and Clinical Psychology 47(1):96-98, February 1979.
- SUZUKI, T., KOIKE, Y., YANAURA, S., GEORGE, F.R., MEISCH, R.A. Genetic differences in the development of physical dependence on pentobarbital in four inbred strains of rats. *Japanese Journal of Pharmacology* 45:479-486, 1987.
- SUZUKI, T., KOIKE, Y., YOSHII, T., YANAURA, S. Sex differences in the induction of physical dependence on pentobarbital in the rat. *Japanese Journal of Pharmacology* 39:453-459, 1985.
- SUZUKI, T., SHIMADA, M., YOSHII, T., UESUGI, J., YANAURA, S. Development of physical dependence on and tolerance to morphine in rats treated with morphine-admixed food. *Progress in Neuro-Psychopharmacology and Biological Psychiatry* 7(1):63-71, 1983.
- SWAN, G.E., ROSENMAN, R.H., PARKER, J.S., DENK, C.E. Identification of Variables Associated with Maintenance of Nonsmoking in Ex-Smokers: The Northern California Smoking Relapse Study. Final Report. Menlo Park, California: SRI International, 1985.
- TATUM, A.L., SEEVERS, M.H. Experimental cocaine addiction. *Journal of Pharma-cology and Experimental Therapeutics* 36:401-410, 1929.
- TAYLOR, I.J., TAYLOR, B.J. (eds.) Double diagnosis: Double dilemma. The polyaddictions: Alcoholism, substance abuse, smoking, gambling. *Journal of Clinical Psychiatry* 45(12 Section 2):9-13, 1984.
- TENNANT, F.S. Jr., RAWSON, R.A., McCANN, M.A. Withdrawal of chronic phencyclidine (PCP) dependence with desipramine. *American Journal of Psychiatry* 138:845-847, 1981.
- TERNES, J.W. An opponent process theory of habitual behavior with special references to smoking. In: Jarvik, M.E., Cullen, J.W., Gritz, E.R., Vogt, T.M., West, L.J. (eds.) Research on Smoking Behavior, NIDA Research Monograph 17. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-581, December 1977, pp. 157-185.
- TERRY, C.E., PELLENS, M. The Opium Problem. Montclair, New Jersey: Patterson Smith, 1970.
- THOMPSON, T. Behavioral mechanisms of drug dependence. In: Thompson, T., Dews, P.B., Barrett, J.E. (eds.) Advances in Behavioral Pharmacology, Volume 4. Orlando: Academic Press, 1984, pp. 1-45.

- THOMPSON, T., JOHANSON, C.E. (eds.) Behavioral Pharmacology of Human Drug Dependence, NIDA Research Monograph 37. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 81-1137, July 1981.
- THOMPSON, T., KOERNER, J., GRABOWSKI, J. Brokerage model rehabilitation system for opiate dependence: A behavioral analysis. In: Grabowski, J., Stitzer, M.L., Henningfield, J.E. (eds.) Behavioral Intervention Techniques in Drug Abuse Treatment, NIDA Research Monograph 46. U.S. Department of Health and Human Services, Public Health Services, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1282, 1984, pp. 131-146.
- THOMPSON, T., OSTLUND, W. Jr. Susceptibility to readdiction as a function of the addiction and withdrawal environments. *Journal of Comparative and Physiologi*cal Psychology 60(3):388-392, 1965.
- THOMPSON, T., SCHUSTER, C.R. Morphine self-administration, food-reinforced and avoidance behaviors in rhesus monkeys. *Psychopharmacologia* 5:87-94, 1964.
- THOMPSON, T., SCHUSTER, C.R. Behavioral Pharmacology. Englewood Cliffs, New Jersey: Prentice-Hall, Inc., 1968.
- THOMPSON, T., UNNA, K.R. (ed.) Predicting Dependence Liability of Stimulant and Depressant Drugs. Baltimore: University Park Press, 1977.
- THORPE, J., PERRET, J. Problem drinking—A follow-up study. Archives of Industrial Health 19:24-32, 1959.
- TIFFANY, S.T., MARTIN, E.M., BAKER, T.B. Treatments for cigarette smoking: An evaluation of the contributions of aversion and counseling procedures. *Behaviour Research and Therapy* 24(4):437-452, 1986.
- TIMS, F.M., LEUKEFELD, C.G. Relapse and Recovery, NIDA Research Monograph 72. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, 1986.
- TIMS, F.M., LUDFORD, J.P. (eds.) Drug Abuse Treatment Evaluation: Strategies, Progress, and Prospects, NIDA Research Monograph 51. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1329, 1984.
- TODD, T.C. A contingency analysis of family treatment and drug abuse. In:
 Grabowski, J., Stitzer, M.L., Henningfield, J.E. (eds.) Behavioral Intervention
 Techniques in Drug Abuse Treatment, NIDA Research Monograph 46. U.S.
 Department of Health and Human Services, Public Health Service, Alcohol, Drug
 Abuse, and Mental Health Administration, National Institute on Drug Abuse.
 DHHS Publication No. (ADM) 84-1282, pp. 104-114, 1984.
- TUCHFELD, B. Spontaneous remission in alcoholics: Empirical observations and theoretical implications. *Journal of Studies on Alcohol* 42(7):626-641, 1981.
- TUCKER, J.A., VUCHINICH, R.E., HARRIS, C.V. Determinants of substance abuse relapse. In: Galizio, M., Maisto, S.A. (eds.) Determinants of Substance Abuse. Biological, Psychological, and Environmental Factors. New York: Plenum Press, 1985.
- TYE, J.B., WARNER, K.E., GLANTZ, S.A. Tobacco advertising and consumption: Evidence of a causal relationship. *Journal of Public Health Policy* 492–508, Winter 1987.
- U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES. The Health Consequences of Smoking: Cancer. A Report of the Surgeon General. U.S. Department of Health and Human Services, Public Health Service, Office of the Assistant Secretary for Health, Office on Smoking and Health. DHHS Publication No. (PHS) 82-50179, 1982.

- U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES. The Health Consequences of Involuntary Smoking. A Report of the Surgeon General. U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control. DHHS Publication No. 87-8398, 1986.
- U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES. Drug Abuse and Drug Abuse Research. The Second Triennial Report to Congress from the Secretary. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 87-1486, 1987.
- VAILLANT, G.E. A 12-year follow-up of New York narcotic addicts: I. The relation of treatment to outcome. *American Journal of Psychiatry* 122:727-737, 1966a.
- VAILLANT, G.E. A 12-year follow-up of New York narcotic addicts: II. The natural history of a chronic disease. New England Medical Journal 275:1282-1288, 1966b.
- VAILLANT, G.E. The natural history of narcotic drug addiction. Seminars in Psychiatry 2(4):486-490, November 1970.
- VAILLANT, G.E. *The Natural History of Alcoholism*. Cambridge, Massachusetts: Harvard University Press, 1982.
- VAILLANT, G.E., MILOFSKY, E.S. Natural history of male alcoholism. IV. Paths to recovery. *Archives of General Psychiatry* 39:127-133, 1982.
- VAN DER KOOY, D. Place conditioning: A simple and effective method for assessing the motivational properties of drugs. In: Bozarth, M.A. (ed.) Methods of Assessing the Reinforcing Properties of Abused Drugs. New York: Springer-Verlag, 1987, pp. 229-240.
- VAN DIJK, W.K., VAN DIJK-KOFFEMAN, A. A follow-up study of 211 treated male alcoholic addicts. *British Journal of Addiction* 68:3-24, 1973.
- VAN HASSELT, V.B., HERSEN, M., MILLIONES, J. Social skills training for alcoholics and drug addicts: A review. Addictive Behaviors 3:221-233, 1978.
- VOEGTLIN, W., BROZ, W.R. The conditioned reflex treatment of chronic alcoholism.
 X. An analysis of 3125 admissions over a period of ten and a half years. Annals of Internal Medicine 30:580-597, 1949.
- VUCHINICH, R.W., TUCKER, J.A. Identifying the determinants of alcoholic relapse. In: Galizio, M., Maisto, S.A. (eds.) Determinants of Substance Abuse Relapse: Biological, Psychological, and Environmental Factors. New York: Plenum, 1985.
- WALDORF, D. Natural recovery from opiate addiction: Some social-psychological processes of untreated recovery. *Journal of Drug Issues* 13:237-281, 1983.
- WALDORF, D., BIERNACKI, P. Natural recovery from opiate addictions: A review of the incidence literature. *Journal of Drug Issues* 9(2):282-289, 1979.
- WALDORF, D., BIERNACKI, P. The natural recovery from opiate addiction: Some preliminary findings. *Journal of Drug Issues* 9:61-74, 1981.
- WALLACE, R.K. Physiological effects of transcendental meditation. Science 167(3926):1751-1754, March 27, 1970.
- WALSH, J.M., YOHAY, S.C. Drug and Alcohol Abuse in the Workplace: A Guide to the Issues. Washington, D.C.: National Foundation for the Study of Equal Employment Policy, 1987.
- WARNER, K.E. Cigarette excise taxation and interstate smuggling: An assessment of recent activity. *National Tax Journal* 35:483-490, 1982.
- WARNER, K.E. The economics of smoking: Dollars and sense. New York State Journal of Medicine 83(13):1273-1274, 1983.
- WARNER, K.E. Smoking and health implications of a change in the Federal cigarette excise tax. Journal of the American Medical Association 255(8):1028-1032, 1986a.
- WARNER, K.E. Selling Smoke: Cigarette Advertising and Public Health. Washington, D.C.: American Public Health Association, 1986b.
- WARNER, K.E., MURT, H.A. Economic incentives for health. Annual Review of Public Health 5:107-133, 1984.

- WATSON, D.W., MAISTO, S.A. A review of the effectiveness of assertiveness training in the treatment of alcohol abusers. *Behavioural Psychotherapy* 11:36-49, 1983.
- WAY, E.L., LOH, H.H., SHEN, F.-H. Simultaneous quantitative assessment of morphine tolerance and physical dependence. *Journal of Pharmacology and Experimental Therapeutics* 167(1):1-8, May-June 1969.
- WEEKS, J.R. Experimental morphine addiction: Method for automatic intravenous injections in unrestrained rats. Science 138(3537):143-144, October 12, 1962.
- WEIL, A.T., ZINBERG, N.E., NELSEN, J.M. Clinical and psychological effects of marihuana in man. Science 162:1234-1242, 1968.
- WEINBERGER, S.M., KANDALL, S.R., DOBERCZAK, T.M., THORNTON, J.C., BERNSTEIN, J. Early weight-change patterns in neonatal abstinence. *American Journal of Diseases of Children* 140:829-832, 1986.
- WELLISCH, D., KAUFMAN, E. Family therapy. In: Senay, E., Shorty, V., Alkene, N. (eds.) Developments in the Field of Drug Abuse. Cambridge, Massachusetts: Schenkman, 1975.
- WELLS, E.A., HAWKINS, J.D., CATALANO, R.F. Choosing drug use measures for treatment outcome studies: The influence of measurement approach on treatment results. *International Journal of the Addictions*, in press.
- WELTE, J.W., BARNES, G.M. Youthful smoking: Patterns and relationships to alcohol and other drug use. *Journal of Adolescence* 10:327-340, 1987.
- WENGER, G.R. Tolerance to phencyclidine in pigeons: Cross-tolerance to ketamine. Journal of Pharmacology and Experimental Therapeutics 225(3):646-652, 1983.
- WESSON, D.R., HAVASSY, B.E., SMITH, D.E. Theories of relapse and recovery and their implications for drug abuse treatment. In: Tims, F.M., Leukefeld, C.G. (eds.) Relapse and Recovery in Drug Abuse, NIDA Research Monograph 72. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 86-1473, 1986.
- WEST, R.J., RUSSELL, M.A.H. Effects of withdrawal from long-term nicotine gum use. *Psychological Medicine* 15(4):891-893, November 1985.
- WHITTAKER, J.K., GARBARINO, J. et al. Social Support Networks: Informal Helping in the Human Services. Hawthorne, New York: Aldine, 1983.
- WIKLER, A. Recent progress in research on the neurophysiologic basis of morphine addiction. American Journal of Psychiatry 105(5):329-338, November 1948.
- WIKLER, A. Conditioning factors in opiate addiction and relapse. In: Wilner, D.M., Kassebaum, G.G. (eds.) *Narcotics*. New York: McGraw-Hill, 1965, pp. 85-100.
- WIKLER, A. Requirements for extinction of relapse-facilitating variables and for rehabilitation in a narcotic-antagonist program. Advances in Biochemistry and Psychopharmacology 8:399-414, 1973.
- WIKLER, A., PESCOR, F.T. Classical conditioning of a morphine abstinence phenomenon, reinforcement of opioid-drinking behavior and "relapse" in morphine-addicted rats. *Psychopharmacologia* (Berlin) 10:255-284, 1967.
- WINGER, G., WOODS, J.H. The reinforcing property of ethanol in the rhesus monkeys: I. Initiation, maintenance and termination of intravenous ethanolreinforced responding. Annals of the New York Academy of Sciences 215:162-175, 1973.
- WINICK, C. Maturing out of narcotic addiction. *Bulletin on Narcotics* 14:1-7, 1962. WOLF, K., KERR, D.M. Companionship therapy in the treatment of drug dependency. In: Brown, B.S. (ed.) *Addicts and Aftercare*. Beverly Hills, California: Sage, 1979.
- WOLPE, J. Conditioned inhibition of craving in drug addiction: A pilot experiment. Behavior Research and Therapy 2:285-288, 1965.
- WOOD, D.M., EMMETT-OBLESBY, M.W. Evidence for dopaminergic involvement in tolerance to the disciriminative stimulus properties of cocaine. *European Journal* of *Pharmacology* 138:155-157, 1987.

- WOODS, J.H. Narcotic-reinforced responding: A rapid evaluation procedure. *Drug and Alcohol Dependence* 5(3):223-230, March 1980.
- WOODS, J.H., IKOMI, F., WINGER, G. The reinforcing property of ethanol. In: Roach, M.K., McIsaac, W.M., Creaven, P.J. Biological Aspects of Alcoholism. Austin: University of Texas Press, 1971, pp. 371-388.
- WOODY, G.E., McLELLAN, A.T., O'BRIEN, C.P. Treatment of behavioral and psychiatric problems associated with opiate dependence. In: Grabowski, J., Stitzer, M.L., Henningfield, J.E. (eds.) Behavioral Intervention Techniques in Drug Abuse Treatment, NIDA Research Monograph 46. U.S. Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHHS Publication No. (ADM) 84-1282, 1984, pp. 23-35.
- WOOLVERTON, W.L., SCHUSTER, C.R. Behavioral tolerance to cocaine. In: Krasnegor, N.A. (ed.) Behavioral Tolerance: Research and Treatment Implications, NIDA Research Monograph 18. U.S. Department of Health, Education, and Welfare, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, National Institute on Drug Abuse. DHEW Publication No. (ADM) 78-551, 1978, pp. 127-141.
- WOOLVERTON, W.L., SCHUSTER, C.R. Behavioral and pharmacological aspect of opioid dependence: Mixed agonist-antagonists. *Pharmacological Review* 35(1):33-52, 1983.
- WORLD HEALTH ORGANIZATION. Expert Committee on Drugs Liable to Produce Addiction, Third Report, World Health Organization Technical Report Series No. 57. Geneva: World Health Organization, March 1952.
- WORLD HEALTH ORGANIZATION. WHO Expert Committee on Addiction-Producing Drugs, Thirteenth Report, World Health Organization Technical Report Series No. 273. Geneva: World Health Organization, 1964.
- WORLD HEALTH ORGANIZATION. WHO Expert Committee on Drug Dependence, Sixteenth Report, World Health Organization Technical Report Series No. 407. Geneva: World Health Organization, 1969.
- WORLD HEALTH ORGANIZATION. 5th Review of Psychoactive Substances for International Control. Geneva: World Health Organization, November 16-20, 1981.
- YAMAGUCHI, K., KANDEL, D.B. Patterns of drug use from adolescence to young adulthood: II. Sequences of progression. *American Journal of Public Health* 74(7):668-672, July 1984a.
- YAMAGUCHI, K., KANDEL, D.B. Patterns of drug use from adolescence to young adulthood: III. Predictors of progression. *American Journal of Public Health* 74(7):673-681, July 1984b.
- YANAGITA, T. An experimental framework for evaluation of dependence liability of various types of drugs in monkeys. Bulletin on Narcotics 25(4):57-64, 1973.
- YANAGITA, T. Brief review on the use of self-administration techniques for predicting drug dependence potential. In: Thompson, T., Unna, K.R. (eds.) Predicting Dependence Liability of Stimulant and Depressant Drugs. Baltimore: University Park Press, 1977, pp. 231-242.
- YANAGITA, T. Self-administration studies on psychological dependence. Trends in Pharmacological Sciences: 161-164, 1980.
- YANAGITA, T. Dependence characteristics and risk assessment of agonist-antagonist analgesics. Drug and Alcohol Dependence 20:317-327, 1987.
- YANAGITA, T., DENEAU, G.A., SEEVERS, M.H. Physical Dependence to Opiates in the Monkey. Committee on Drug Addiction and Narcotics, National Academy of Sciences, NRC, Ann Arbor, Michigan, 1963.
- YANAGITA, T., TAKAHASHI, S. Dependence liability of several sedative-hypnotic agents evaluated in monkeys. *Journal of Pharmacology and Experimental Thera*peutics 185(2):307-316, 1973.

- YANAURA, S., SUZUKI, T. Cross-dependence between phenobarbital and alcohol in rats. Japanese Journal of Pharmacology 27:751, 1977.
- YOKEL, R.A., PICKENS, R. Drug level of d- and l-amphetamine during intravenous self-administration. *Psychopharmacologia* (Berlin) 34:255-264, 1974.
- YOUNG, A.M., HERLING, S. Drugs as reinforcers: Studies in laboratory animals. In: Goldberg, S.R., Stolerman, I.P. (eds.) Behavioral Analysis of Drug Dependence. London: Academic Press, Inc., 1986, pp. 9-67.
- YOUNG, G.A., STEINFELS, G.F., KHAZAN, N. Spontaneous vs. naloxone-induced abstinence in dependent rats self-administering L-alpha-acetylmethadol (LAAM) or morphine. *Pharmacology Biochemistry and Behavior* 10:585-589, 1979.
- ZINBERG, N.E. Heroin use in Vietnam and the United States: A contrast and a critique. Archives of General Psychiatry 26:486-488, 1972.
- ZINBERG, N.E. Nonaddictive opiate use. In: Dupont, R.I., Goldstein, A., O'Donnell, J. (eds.) Handbook on Drug Abuse. U.S. Department of Health, Education, and Welfare, Office of Drug Abuse Policy, Executive Office of the President, 1979.
- ZINBERG, N.E., JACOBSON, R.C. The natural history of "chipping". American Journal of Psychiatry 133:37-40, 1976.
- ZWEBEN, J.E. Treating cocaine dependence: New challenges for the therapeutic community. Journal of Psychoactive Drugs 18(3):239-245, July-September 1986.