

ANNOUNCING

A new publication of Ankho International Inc.

NEUROBEHAVIORAL TOXICOLOGY

VOLUME 1 NUMBER 1

SPRING 1979

CONTENTS

Reproductive dysfunction in male rats following neonatal administration of monosodium L-glutamate. PIZZI, W. J., J. E. BARNHART and J. R. UNNERSTALL.	1
Hippocampal afterdischarges and their post-ictal sequelae in rats: A potential toll for assessment of CNS neurotoxicity. DYER, R. S., H. S. SWARTZWELDER, C. U. ECCLES and Z. ANNAU	5
Hippocampal afterdischarges and their post-ictal sequelae in rats: Effects of carbon monoxide hypoxia. DYER, R. S., E. BURDEN, K. HULEBAK, N. SCHULTZ, H. S. SWARTZWELDER and Z. ANNAU	21
Effects of lithium and cesium salts on Sarcoma-I implants in the mouse. MESSIHA, F. S., A. EL-DOMEIRI and H. F. SPROAT	27
Effects of prenatal methadone on the rest-activity cycle of the pre-weanling rat. HUTCHINGS, D. E., E. FERARU, H. S. GORINSON and R. R. GOLDEN	33
Effects of chronic administration of food colorings on activity levels and cognitive performance in developing rat pups treated with 6-hydroxydopamine. SHAYWITZ, B. A., J. R. GOLDENRING and R. S. WOOL	41
Effects of maternal absorption of phenobarbital upon rat offspring development and function. MARTIN, J. C., D. C. MARTIN, R. LEMIRE and B. MACKLER	49
Effects of carbon disulfide on motor function and responsiveness to d-amphetamine in rats. TILSON, H. A., P. A. CABE, E. H. ELLINWOOD, JR. and L. P. GONZALEZ	57
Maternal behavior during chronic lead exposure and measures of offspring development. ZENICK, H., F. PECORRARO, D. PRICE, K. SAEZ and J. WARD	65
Analysis of nominal dose-effect data with an advanced programmable calculator. BAIRD, J. B. and R. L. BALSTER	73
Aspartame: Assessment of developmental psychotoxicity of a new artificial sweetener. BRUNNER, R. L., C. V. VORHEES, L. KINNEY and R. E. BUTCHER	79
Behavioral effects of fetal and neonatal exposure to methadone in the rat. GROVE, L. V., M. K. ETKIN and J. A. ROSECRANS	87

VOLUME 1 NUMBER 2

SUMMER 1979

CONTENTS

Persistent visual cortex excitability alterations produced by neonatal lead exposure. FOX, D. A., J. P. LEWKOWSKI and G. P. COOPER	101
Cholinergic system of mice during hypokinesia caused by chronic lead ingestion. MODAK, A. T. and W. B. STAVINOHAI	107
Hyperactivity and cognitive deficits in developing rat pups born to alcoholic mothers: An experimental model of the expanded fetal alcohol syndrome (EFAS). SHAYWITZ, B. A., G. G. GRIFFIETH and J. B. WARSHAW	113
Neonatal exposure to diethylstilbestrol affects the sexual differentiation of male rats. TILSON, H. A. and C. A. LAMARTINIERE	123
Morphologic effects of interference with cell proliferation in the early fetal period. RODIER, P. M. and W. J. GRAMANN	129
Behavior in rats after exposures to various power densities of 2450 MHz microwaves. GAGE, M. I.	137
Effects of ethanol exposure during different gestation weeks of pregnancy on maternal weight gain and intrauterine growth retardation in the rat. ABEL, E. L.	145
Effects of in utero exposure to alcohol, nicotine, and alcohol plus nicotine, on growth and development in rats. ABEL, E. L., B. A. DINTCHEFF and N. DAY	153
Consequences in adult female rats of neonatal morphine pellet implantation. SONDEREGGER, T., S. O'SHEA and E. ZIMMERMANN	161
Neonatal monosodium glutamate administration increases susceptibility to chemically-induced convulsions in adult mice. PIZZI, W. J., J. R. UNNERSTALL and J. E. BARNHART	169

NEUROBEHAVIORAL TOXICOLOGY

VOLUME 1 NUMBER 3

FALL 1979

CONTENTS

Effects of carbon monoxide on operant behavior of laboratory rats and baboons. GELLER, I., V. MENDEZ, M. HAMILTON, R. J. HARTMANN AND E. GAUSE	179
Influence of lactation on rate of disappearance of ethanol in the rat. ABEL, E. L., H. B. GREIZERSTEIN and A. J. SIEMENS	185
Magnesium deficiency: Brain acetylcholine and motor activity. MODAK, A. T., J. MONTANEZ and W. B. STAVINOHAI	187
Postnatal behavioral changes in prenatally irradiated rats. SCHNEIDER, B. F. and S. NORTON	193
Behavioral teratology evaluation trichloromethane in mice. BURKHALTER, J. E. and R. L. BALSTER	199
Effects of chronic lead ingestion on social development in infant rhesus monkeys. BUSHNELL, P. J. and R. E. BOWMAN	207
Postnatal effects of maternal nicotine exposure. PETERS, D. A. V., H. TAUB and S. TANG	221
Behavioral deficits in adult rats following neonatal lead exposure. HASTINGS, L., G. P. COOPER, R. L. BORNSCHEIN and I. A. MICHAELSON	227

BRIEF COMMUNICATION

A method for the routine assessment of fore- and hindlimb grip strength of rats and mice. MEYER, O. A., H. A. TILSON, W. C. BYRD and M. T. RILEY	233
--	-----

VOLUME 1 NUMBER 4

WINTER 1979

CONTENTS

Monosodium glutamate-induced changes of aggression and open-field activity in rats. CARTER, L. T. and L. LEVESQUE	247
Alcohol-induced alterations in hippocampal afterdischarges and afterdischarge thresholds: Dose-response studies. SWARTZWELDER, H. S., C. T. JOHNSON, B. C. COOLEY, W. E. HOWELL and R. S. DYER	253
Altered saccharin preference during chronic dietary administration of lead in adult rats. KUTSCHER, C. L. and B. K. YAMAMOTO	259
Effects of polybrominated biphenyl on a discrimination task in rats. GELLER, I., R. J. HARTMANN, C. GARCIA and J. SEIFTER	263
Correlation of systematic and biochemical effects of PBB with behavioral effects. GAUSE, E. M., D. H. ROSS, M. G. HAMILTON, B. Z. LEAL, J. SEIFTER and I. GELLER	269
Effects of selenium, alone and in combination with silver or arsenic, in rats. CABE, P. A., N. G. CARMICHAEL and H. A. TILSON	275
Monosodium glutamate neurotoxicity, hyperosmolarity, and blood-brain barrier dysfunction. MCCALL, A., B. S. GLAESER, W. MILLINGTON and R. J. WURTMAN	279

BRIEF COMMUNICATION

Behavioral teratology of marihuana extract in rats. ABEL, E. L.	285
--	-----