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- 323 LINGSCH, C. & MARTIN, K. An irreversible effect of lithium administration to patients
- 329 GREENBERG, R. & INNES, I.R. The role of bound calcium in supersensitivity induced by cocaine
- 335 BENNETT, A., ELEY, K.G. & STOCKLEY, HELEN L. Inhibition of peristalsis in guinea-pig isolated ileum and colon by drugs that block prostaglandin synthesis
- 341 HENDERSON, G. & NORTH, R.A. Depression by morphine of excitatory junction potentials in the vas deferens of the mouse
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- 387 GRIPENBERG, J., JANSSON, S.-E., HEINÄNEN, V., HEINONEN, E., HYVÄRINEN, J. & TOLPPANEN, E.-M. Effect of prostaglandin E<sub>1</sub> on neuromuscular transmission in the rat
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- 413 PARVEZ, H., PARVEZ, S., RAZA-BUKHARI, A. & YOUDIM, M.B.H. Decreased phenylethanolamine-N-methyltransferase and catechol-O-methyltransferase activity in rabbit adrenal glands during pregnancy
- 417 PHILLIPS, JEAN L., STURMAN, GILLIAN & WEST, G.B. The interaction between anthelmintic drugs and histamine in *Ascaris suum*
- 421P PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY, Chelsea College, 1-2 April, 1976
- 476P Cardiff, 26-27 March, 1975. Paper omitted from *Br. J. Pharmac.*, **54**, 219P-282P

## PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY

Chelsea College, 1-2 April, 1976

- 421P CHIERUTTINI, MARIA E. & FRANKLIN, C.S. The toxicology of the tetrachloroethanes
- 422P HARTIALA, J., UOTILA, P. & NIENSTEDT, W. (introduced by Bakhle, Y.S.). Absorption and metabolism of steroids administered intratracheally to rat isolated lungs
- 423P COSTALL, B., FORTUNE, D.H. & NAYLOR, R.J. Biphasic changes in motor behaviour following morphine injection into the nucleus accumbens
- 424P PYCOCK, C. Noradrenergic influences on dopamine-dependent behaviour in rats
- 424P BOOTH, D.A., D'MELLO, G., PILCHER, C.W.T. & STOLERMAN, I.P. Paradoxical aversive property of dexamphetamine
- 425P BRADLEY, P.B. & GAYTON, R.J. Actions and interactions of morphine and dopamine on single neurones in the rat caudate nucleus
- 426P van RIEZEN, H., SCHNIEDEN, H. & WREN, A. Behavioural changes following olfactory bulbectomy in rats: a possible model for the detection of antidepressant drugs
- 427P CURRY, S.H. NICHOLSON, A.N. & WHELPTON, R. Plasma concentrations in the monkey (*Macaca mulatta*) of six related benzodiazepines after intraperitoneal injection
- 429P NICHOLSON, A.N. & WRIGHT, CATHERINE M. Behavioural activity in the monkey (*Macaca mulatta*) of the metabolites of diazepam in man
- 430P JONES, R.B. & LUSCOMBE, D.K. Plasma levels of clomipramine and its-N-desmethyl metabolite following oral administration of clomipramine in man
- 430P PILCHER, C.W.T. (introduced by Bradley, P.B.).
  Inducing dependence by a single administration of morphine in rats
- 431P BAXTER, M.G., LEACH, M.J., MILLER, A.A. SETHNA, D.M. & WHEATLEY, P.L. Some behavioural and EEG studies on the behavioural depression induced in the rat by ethanolamine Osulphate, an inhibitor of GABA-transaminase

- 432P GEORGE, A.J. The effects of three tricyclic antidepressants on arterial <sup>3</sup>HNA uptake and arterial responsiveness to noradrenaline (NA)
- 433P COX, D.W.G. & WATKINS, J.C. (introduced by Mitchell, J.F.). Stereoselective uptake of L-homocysteate by rat brain slices
- 434P McKIRDY, H.C. & MUIR, T.C. The response of the rat anococcygeus muscle to stimulation of the individual extrinsic nerves and its modification by drugs
- 435P HENRY, J.L. (introduced by Bradley, P.B.).

  Responses of dorsal horn units in cat spinal cord to some putative transmitters and to cutaneous stimulation
- 435P BOWERY, N.G., COLLINS, J.F., HILL, R.G. & PEARSON, S. GABA antagonism as a possible basis for the convulsant action of a series of bicyclic phosphorus esters
- 436P FOSTER, R.W. & RAMAGE, A.G. Evidence for a specific somatosensory receptor in the cat skin that responds to irritant chemicals
- 437P ASSEM, E.S.K. & CHONG, E.K.S. Profiles of different anti-allergy effects of a new histamine antagonist, BM 15,100
- 438P ROESCH, A. & ROESCH, E. (introduced by Assem, E.S.K.). Anti-allergic properties of a new coumarin compound (BM 15,100)
- 439P EYRE, P. & HOLROYDE, M.C. Atypical adrenergic modulation of allergic histamine release from bovine leucocytes
- 439P RICHARDS, I.M. & JACKSON, D.M. An investigation of histamine aerosol induced reflex bronchoconstriction in the anaesthetized dog
- 440P ASHBY, P., CURWAIN, B.P., DALY, M.J. & McISAAC, R.L. Studies on the mechanism of action by which 5H-[1]-benzopyrano-2,3-b]-pyridin-5-ol (AH 6696) inhibits gastric acid secretion

- 441P BUTLER, K.D., PAY, G.F. & WHITE, A.M. A comparison between sulphinpyrazone and other drugs on the thrombocytopenia occurring in the Arthus reaction in the guinea-pig
- 442P BRANCH, R.A., HOMEIDA, M., LEVINE, D. & ROBERTS, C.J.C. Pharmacokinetics of frusemide related to diuretic response
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  Gradients of monoamine levels in guinea-pig
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- 444P GILLAN, MAUREEN, G.C. & POLLOCK, D. Investigation of the effects of drugs on morphine-induced contractions of the isolated colon of the rat
- 445P NAHORSKI, S.R., PRATT, C.N.F.W. & ROGERS, K.J. Increased cerebral cyclic GMP concentration induced by muscarinic cholinergic agonists and prostaglandin F<sub>2</sub>
- 446P COLLARD, K.J. (introduced by Roberts, M.H.T.). The effect of chronic lithium administration on stimulation-induced changes in forebrain 5-hydroxyindoles: modification by chlorimipramine
- 447P BROADLEY, K.J. & DUNCAN, C. The individual and combined effects of hypothermia and reserpine pretreatment on the rate and tension responses to isoprenaline and salbutamol in guineapig atria
- 448P LOMBARDI, F., MALLIANI, A., PORTILLO-NUNEZ, P., ZAIMIS, ELEANOR & ZANCHETTI, A. Peripheral vascular effects of clonidine independent of a reduction in sympathetic activity
- 449P PETTY, MARGARET, REID, J.L. & TANGRI, K.K. The cardiovascular effects of clonidine in rabbits after cervical spinal cord transection
- 450P DAY, M.D., POYSER, R.H. & SEMPIK, J. Pressor responses to noradrenaline administered into the third cerebral ventricle of anaesthetized and conscious cats
- 451P RICHARDSON, P.D.I. & WITHRINGTON, P.G. Beta adrenoceptors in the hepatic arterial vascular bed of the dog
- 452P MUNDAY, K.A., POAT, JUDITH A. & WOODRUFF, G.N. Structure activity studies on dopamine receptors; a comparison between rat striatal adenylate cyclase and *Helix aspersa* neurones

- 453P BROWN, R.A. & SOLCA, ANNE M. Contractile properties of hypertrophied and normal rat hearts
- 454P HENDERSON, R.C. & ZAR, M.A. Motor transmission in the vas deferens of guanethidine-treated guinea-pigs
- 455P McCULLOUGH, D.A. & WALLACE, W.F.M. (introduced by Roddie, I.C.). Further studies on the depressant action of tetracyclines plus ascorbic acid on the rabbit ear artery
- 456P BLUNDELL, CAROLE, CROSSMAN, A.R. & SLATER, P. The effect of morphine on turning behaviour in rats and mice with unilateral 6-hydroxydopamine lesions
- 457P LIVINGSTON, A. & WATERMAN, A.E. Effects of repeated doses of ketamine on sleeping times in rats
- 458P ABRAHAM, G.J.S. & NASMYTH, P.A. Desensitization of the rat aortic strip to vasopressin by infusions of noradrenaline
- 458P CLARKE, G. & LINCOLN, D.W. Effects of catecholamine antagonists on the milk-ejection reflex of the anaesthetized rat
- 459P FENIUK, W. (introduced by Large, B.J.). The effects of prostaglandins  $E_1$  and  $E_2$  on heart rate responses to cervical sympathetic nerve stimulation and ganglion stimulant drugs in the anaesthetized mouse
- 460P ENGINEER, DINAZ M., PIPER, PRISCILLA J. & SIROIS, P. Interaction between the release of SRS-A and of prostaglandins
- 461P FLOWER, R.J., HARVEY, E.A., MONCADA, S., NIJKAMP, F.P. & VANE, J.R. Some properties of rabbit aorta contracting substancereleasing factor (RCS-RF)
- 462P BUNTING, S., MONCADA, S. & VANE, J.R. The effects of prostaglandin endoperoxides and thromboxane A<sub>2</sub> on strips of rabbit coeliac artery and certain other smooth muscle preparations
- 463P CRUTCHLEY, D.J. & PIPER, PRISCILLA J. Bioassay and thin-layer chromatography of prostaglandins and their pulmonary metabolites
- 464P HILLS, N.H. (introduced by Bowery, N.G.).

  Prostaglandins and tone in isolated strips of mammalian bladder

- 465P PARNHAM, M.J. (introduced by Mitchell, J.F.). Effects of metyrapone on rat uterine prostaglandin release and on spontaneous smooth muscle activity in vitro
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- 467P FORD-HUTCHINSON, A.W., SMITH, M.J.H. &. WALKER, J.R. Effects of indomethacin on prostaglandin levels and leucocyte migration in an inflammatory exudate *in vivo*
- 469P ASSEM, E.S.K., D'MELLO, A. & WIECZOREK, W.J. Enhanced effect of isoprenaline after chronic administration in microanaphylatic shock of guinea-pigs
- 470P VERE, D.W. Models of agonist-antagonist interaction
- 471P HILL, T.W.K. & RANDALL, P.J. (introduced by Armstrong, J.M.). An apparatus for automatically recording diuresis in laboratory animals

- 471P BROWN, R.A. & PUGH, I. A simple and inexpensive device for the *in vivo* detection and counting of ventricular extrasystoles
- 472P ELLIOTT, P.N.C., HUIZING, G., JENNER, P., MARSDEN, C.D. & MILLER, R. Substituted benzamides as dopamine antagonists
- 473P RICHARDSON, P.D.I. & WITHRINGTON, P.G. The influence of glucagon upon the responses of the hepatic arterial vasculature to vasodilator agents
- 474P DAVIES, J.K. & WALLACE, P. (introduced by Ginsburg, M.). The effect of drugs on various parameters of mouse behaviour in a modified head-dipping test
- 474P THOMAS, R.U. & WHITTLE, B.J.R. Prostaglandins and the release of histamine from rat peritoneal mast cells
- 475P GINSBURG, M. & THOMAS, P.J. Steroid hormone receptors in brain and pituitary

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476P FORRESTER, P.A. (introduced by Straughan, D.W.). L-Glutamate excitations on cortical neurones: influence of endogenous neuronal activity and halothane