British Journal of Pharmacology

page

Systematic Pharmacology

- 3 MURNAGHAN, M.F. The effect of sympathomimetic amines on the ventricular fibrillation threshold in the rabbit isolated heart. (SP1, AP1, DM1)
- 11 GRAYSON, J. & SCOTT, C. The action of nitroglycerine and dipyridamole in normal and ischaemic dog heart. (SP1)
- 21 METCALF, G. & THOMPSON, J.W. The effect of various amine-depleting drugs on the fever response exhibited by rabbits to bacterial or leucocyte pyrogen. (SP2, AP1)
- 29 BEVAN, P., BRADSHAW, C.M. & SZABADI, E. The effect of tricyclic antidepressants on cholinergic responses of single cortical neurones. (SP2, DM2)
- 37 MARLEY, E. & WHELAN, JENNIFER E. Some central effects of 5-hydroxytryptamine in young chickens at and below thermoneutrality. (SP2, DM2)

Autopharmacology

- 43 ADLER-GRASCHINSKY, EDDA & LANGER, S.Z. Possible role of a β -adrenoceptor in the regulation of noradrenaline release by nerve stimulation through a positive feed-back mechanism. (AP1, PK3, DM2)
- 51 KRAFT, E. & ZIMMERMAN, B.G. Influence of histamine H₁- and H₂-receptor blockers on sympathetic vasodilator and vasoconstrictor responses in canine paw. (AP2, SP1)
- 59 CROCKER, ANN D. & WILSON, K.A. A further investigation into the energy dependence of angiotensin II-induced contractions of isolated smooth muscle preparations.

 (AP3, DM1)
- 67 JOHNS, E.J., RICHARDS, H.K. & SINGER, BERTHA. Effects of adrenaline, noradrenaline, isoprenaline and salbutamol on the production and release of renin by isolated renal cortical cells of the cat.

 (AP3, DM2)
- 75 LEME, J. GARCIA & SCHAPOVAL, ELFRIDES E.S. Stimulation of the hypothalamo-pituitary-adrenal axis by compounds formed in inflamed tissue. (AP3)

Miscellaneous

85 ATKINSON, D.C. & HICKS, R. The possible occurrence of endogenous anti-inflammatory substances in the blood of injured rats. (M)

Pharmacokinetics

- 93 LOVELESS, A.H. & MAXWELL, D.R. The prevention by sulphydryl compounds of the toxicity in the cat of 2,6-dimethoxyphenol and its morpholinopropionyl ester. (PK2)
- 99 LULLMANN, H., PETERS, T. & RAVENS URSULA. Studies on the kinetics of [3H]-ouabain uptake and exchange in the isolated papillary muscle of the guinea-pig.

(PK3, PK1)

109 FOSTER, R.W. & O'DONNELL STELLA R. Evidence that adrenergic nerves are responsible for the active uptake of noradrenaline in the guinea-pig isolated trachea.

(PK3, AP1)

Drug Mechanisms

- 113 NORTHOVER, B.J. Effect of anti-inflammatory drugs on the membrane potential of vascular endothelial cells in vitro.
- BOULLIN, D.J., GRAHAME-SMITH, D.G., GRIMES, R.P.J. & WOODS, H.F. Inhibition of 5-hydroxytryptamine-induced human blood platelet aggregation by chlorpromazine and its metabolites. (DM1)
- 127 HÅKANSON, R., HEDENBRO, J., LIEDBERG, G., REHFELD, J.F. & STADIL, F. Activation of histidine decarboxylase by H₂-receptor blockade: mechanism of action. (DM2, AP2, AP3)
- 131 KOSTERLITZ, H.W. & WATERFIELD, ANGELA A. An analysis of the phenomenon of acute tolerance to morphine in the guinea-pig isolated ileum. (DM2, AP1)

Pharmacometrics

- 139 BARLOW, R.B. Use of the logistic function for the calculation of dose-ratios and potency
- 143 PEARSON, J.D.M. & SHARMAN, D.F. The estimation of 3,4-dihydroxyphenylacetic acid, homovanillic acid and homo-isovanillic acid in nervous tissue by gas-liquid chromatography and electron capture detection. (PM, SP2)

SHORT COMMUNICATIONS

- 149 ELLIOTT, ANNIE B. The effect of oxytocin on blood vessels of cremaster muscle of the (AP3)
- 152 GULATI, O.D. & SIVARAMAKRISHNA, N. Kinetics and some characteristics of uptake of noradrenaline by the human umbilical artery. (PK3, AP1)

Systematic Pharmacology

SP1 Cardiovascular system

SP2 Central nervous system

SP3 Other physiological systems

Pharmacokinetics

PK1 Storage, distribution, fate

PK2 Synthesis, metabolism

PK3 Uptake, release

Autopharmacology

AP1 Adrenergic, cholinergic transmission

AP2 Histamine, kinins, prostaglandins, etc.

AP3 Hormones

Drug Mechanisms

DM1 Molecular, cellular, biochemical, biophysical

DM2 Receptors, antagonism, potentiation, tolerance

PM Pharmacometrics |

PP **Psychopharmacology**

TX Toxicology

CP Clinical Pharmacology, Experimental Therapy CT Chemotherapy

M Miscellaneous

British Journal of Pharmacology contents

VOLUME 53

NUMBER 1

JANUARY 1975

page

Systematic Pharmacology

- 3 MURNAGHAN, M.F. The effect of sympathomimetic amines on the ventricular fibrillation threshold in the rabbit isolated heart. (SP1, AP1, DM1)
- 11 GRAYSON, J. & SCOTT, C. The action of nitroglycerine and dipyridamole in normal and ischaemic dog heart. (SP1)
- 21 METCALF, G. & THOMPSON, J.W. The effect of various amine-depleting drugs on the fever response exhibited by rabbits to bacterial or leucocyte pyrogen. (SP2, AP1)
- 29 BEVAN, P., BRADSHAW, C.M. & SZABADI, E. The effect of tricyclic antidepressants on cholinergic responses of single cortical neurones. (SP2, DM2)
- 37 MARLEY, E. & WHELAN, JENNIFER E. Some central effects of 5-hydroxytryptamine in young chickens at and below thermoneutrality. (SP2, DM2)

Autopharmacology

- 43 ADLER-GRASCHINSKY, EDDA & LANGER, S.Z. Possible role of a β -adrenoceptor in the regulation of noradrenaline release by nerve stimulation through a positive feed-back mechanism. (AP1, PK3, DM2)
- 51 KRAFT, E. & ZIMMERMAN, B.G. Influence of histamine H₁- and H₂-receptor blockers on sympathetic vasodilator and vasoconstrictor responses in canine paw. (AP2, SP1)
- 59 CROCKER, ANN D. & WILSON, K.A. A further investigation into the energy dependence of angiotensin II-induced contractions of isolated smooth muscle preparations. (AP3, DM1)
- 67 JOHNS, E.J., RICHARDS, H.K. & SINGER, BERTHA. Effects of adrenaline, noradrenaline, isoprenaline and salbutamol on the production and release of renin by isolated renal cortical cells of the cat.

 (AP3, DM2)
- 75 LEME, J. GARCIA & SCHAPOVAL, ELFRIDES E.S. Stimulation of the hypothalamo-pituitary-adrenal axis by compounds formed in inflamed tissue. (AP3)

Miscellaneous

85 ATKINSON, D.C. & HICKS, R. The possible occurrence of endogenous anti-inflammatory substances in the blood of injured rats. (M)

Pharmacokinetics

- 93 LOVELESS, A.H. & MAXWELL, D.R. The prevention by sulphydryl compounds of the toxicity in the cat of 2,6-dimethoxyphenol and its morpholinopropionyl ester. (PK2)
- 99 LULLMANN, H., PETERS, T. & RAVENS URSULA. Studies on the kinetics of [3H]-ouabain uptake and exchange in the isolated papillary muscle of the guinea-pig.

 (PK3, PK1)
- 109 FOSTER, R.W. & O'DONNELL STELLA R. Evidence that adrenergic nerves are responsible for the active uptake of noradrenaline in the guinea-pig isolated trachea.

(PK3, AP1)

Drug Mechanisms

- 113 NORTHOVER, B.J. Effect of anti-inflammatory drugs on the membrane potential of vascular endothelial cells *in vitro*. (DM1)
- 121 BOULLIN, D.J., GRAHAME-SMITH, D.G., GRIMES, R.P.J. & WOODS, H.F. Inhibition of 5-hydroxytryptamine-induced human blood platelet aggregation by chlorpromazine and its metabolites. (DM1)
- 127 HÅKANSON, R., HEDENBRO, J., LIEDBERG, G., REHFELD, J.F. & STADIL, F. Activation of histidine decarboxylase by H₂-receptor blockade: mechanism of action.

 (DM2, AP2, AP3)
- 131 KOSTERLITZ, H.W. & WATERFIELD, ANGELA A. An analysis of the phenomenon of acute tolerance to morphine in the guinea-pig isolated ileum. (DM2, AP1)

Pharmacometrics

- 139 BARLOW, R.B. Use of the logistic function for the calculation of dose-ratios and potency ratios. (PM)
- 143 PEARSON, J.D.M. & SHARMAN, D.F. The estimation of 3,4-dihydroxyphenylacetic acid, homovanillic acid and homo-isovanillic acid in nervous tissue by gas-liquid chromatography and electron capture detection. (PM, SP2)

SHORT COMMUNICATIONS

- 149 ELLIOTT, ANNIE B. The effect of oxytocin on blood vessels of cremaster muscle of the rat. (AP3)
- 152 GULATI, O.D. & SIVARAMAKRISHNA, N. Kinetics and some characteristics of uptake of noradrenaline by the human umbilical artery. (PK3, AP1)

VOLUME 53 NUMBER 2 FEBRUARY 1975

Systematic Pharmacology

- 157 KELLY, J.G. & SHANKS, R.G. Metabolic and cardiovascular effects of isoprenaline and salbutamol in the dog (SP1, SP3)
- PAOLONI, H.J. & WILCKEN, D.E.L. The action of aminophylline on the acutely transplanted dog heart: effect of α- and β-adrenoceptor blockade (SP1, DM2)
- DALY, M.J., FLOOK, JUDITH J. & LEVY, G.P. The selectivity of β-adrenoceptor antagonists on cardiovascular and bronchodilator responses to isoprenaline in the anaesthetized dog (SP1, DM2)
- 183 McCALDEN, T.A. The inhibitory action of oestradiol-17- β and progesterone on venous smooth muscle (SP1, AP3)
- 193 MARLEY, E. & NISTICO, G. Tryptamines and some other substances affecting waking and sleep in fowls (SP2)

Autopharmacology

- 207 HAYASHI, E. & YAMADA, S. Pharmacological studies on surugatoxin, the toxic principle from Japanese ivory mollusc (Babylonia japonica) (AP1)
- 217 MAIN, I.H.M. & WHITTLE, B.J.R. Investigation of the vasodilator and antisecretory role of prostaglandins in the rat gastric mucosa by use of non-steroidal anti-inflammatory drugs

 (AP2)
- 225 DONOVAN, B.T. Indomethacin, ketoprofen and corpus luteum regression in the guinea-pig (AP2, DM2)
- 229 NUSTAD, K., PIERCE, J.V. & VAAJE, KIRSTEN. Synthesis of kallikreins by rat kidney slices (AP2, PK2)

Pharmacokinetics

page

- 235 BOND, P.A., BROOKS, B.A. & JUDD, A. The distribution of lithium, sodium and magnesium in rat brain and plasma after various periods of administration of lithium in the diet (PK1. SP2)
- 241 PARVEZ, SIMONE, PARVEZ, S.H. & YOUDIM, M.B.H. Variation in activity of monoamine metabolizing enzymes in rat liver during pregnancy (PK2, AP1, AP3)
- 247 GARCÍA, A.G. & SÁNCHEZ-GARCÍA, P. Influence of cocaine and sodium on bretylium uptake by reserpine-treated guinea-pig left atrium (PK3, PK2)
- 257 DA PRADA, M., OBRIST, R. & PLETSCHER, A. Discrimination of monoamine uptake by membranes of adrenal chromaffin granules (PK3, PK1)

Drug Mechanisms

- 267 KALSNER, S. Role of extraneuronal mechanisms in the termination of contractile responses to amines in vascular tissue (DM1, PK3, AP1)
- 279 CHIOU, C.Y. & MALAGODI, MARJORIE H. Studies on the mechanism of action of a new Ca²⁺ antagonist, 8-(N,N-diethylamino)octyl 3,4,5-trimethoxybenzoate hydrochloride in smooth and skeletal muscles (DM1)
- 287 GREEN, A.R., SOURKES, T.L. & YOUNG, S.N. Liver and brain tryptophan metabolism following hydrocortisone administration to rats and gerbils (DM1, SP2)
- 293 HARRIS, D.W., SMY, J.R., REED, J.D. & VENABLES, C.W. The effects of burimamide and metiamide on basal gastric function in the cat (DM2, SP3, AP2)

Psychopharmacology

299 HOLMAN, R.B., HOYLAND, VALERIE & SHILLITO, ELIZABETH E. The failure of p-chlorophenylalanine to affect voluntary alcohol consumption in rats (PP, SP2)

SHORT COMMUNICATIONS

- 305 GREENWOOD, B. & KERRY, P.J. Prostaglandin production by a mild inflammatory lesion in sheep (AP2)
- 308 ADAMS, P.R. Kinetics of agonist conductance changes during hyperpolarization at frog endplates (DM1, DM2)
- 311 SCHILD, H.O. An ambiguity in receptor theory (DM2)

VOLUME 53 NUMBER 3 MARCH 1975

Systematic Pharmacology

317 CHAWLA, NARESH, JOHRI, M.B.L., SAXENA, P.N. & SINGHAL, K.C. Cholinergic mechanism in central thermoregulation in pigeons (SP2, AP1)

Autopharmacology

- 323 JONES, MARGARET E.L. & SPRIGGS, T.L.B. Noradrenaline and motor transmission in the vas deferens of the mouse (AP1)
- 333 MINATOYA, H. & SPILKER, B.A. Lack of cardiac or bronchodilator tachyphylaxis to isoprenaline in the dog (AP1)
- 341 BURDEN, D.T. & PARKES, M.W. An investigation of the tachycardia produced by intracerebroventricular injections of isoprenaline in mice (AP1, SP1, DM2)
- 349 SLOTKIN, T.A. Effects of reserpine on the adrenal medulla of the spontaneously hypertensive rat (AP1)
- 357 RUBIN, R.P. & WARNER, W. Nicotine-induced stimulation of steroidogenesis in adrenocortical cells of the cat (AP3, DM1)

- 363 ROBINSON, D.A., TAYLOR, J.G. & YOUNG, J.M. The irreversible binding of acetylcholine mustard to muscarinic receptors in intestinal smooth muscle of the guinea-pig (DM2, DM1)
- 371 HUGHES, J., KOSTERLITZ, H.W. & LESLIE, FRANCES M. Effect of morphine on adrenergic transmission in the mouse vas deferens. Assessment of agonist and antagonist potencies of narcotic analgesics (DM2)
- 383 COX, B.M., GINSBURG, M., WILLIS, JULIA & DAVIES, J.K. The offset of morphine tolerance in rats and mice (DM2, SP2)
- NESHEIM, BRITT-INGJERD. Action of β -adrenoceptor antagonists on the response to isoprenaline in the oestrogen dominated rabbit uterus (DM2, AP1)
- 403 NESHEIM, BRITT-INGJERD, OSNES, J.-B. & ØYE, I. Role of cyclic adenosine 3',5'-monophosphate in the isoprenaline-induced relaxation of the oestrogen dominated rabbit uterus

 (DM2, DM1, AP1)

Miscellaneous

409 EVANS, D.P. & THOMSON, D.S. Inhibition of immediate hypersensitivity reactions in laboratory animals by a phenanthroline salt (ICI 74,917) (M, AP2)

SHORT COMMUNICATIONS

- 419 ANLEZARK, G.M. & MELDRUM, B.S. Effects of apomorphine, ergocornine and piribedil on audiogenic seizures in DBA/2 mice (SP2, DM2, AP1)
- 422 BOWERY, N.G., BROWN, D.A. & COLLINS, J.F. Tetramethylenedisulphotetramine: an inhibitor of γ-aminobutyric acid induced depolarization of the isolated superior cervical ganglion of the rat (DM1, AP1)
- 425 AUNIS, D., MANDEL, P., MIRAS-PORTUGAL, M.T., COQUILLAT, G., ROHMER, F. & WARTER, J.M. Changes of human plasma dopamine-β-hydroxylase activity after intravenous administration of theophylline (DM1)
- 428 BOTTING, J.H. Sensitivity of neonatal rabbit ileum to histamine (AP2)

PROCEEDINGS OF THE BRITISH PHARMACOLOGICAL SOCIETY

London, 8-10 January, 1975

- 431P ENERO, MARIA, A. & LANGER, S.Z. Pharmacological effects of histamine on the isolated cat nictitating membrane.
- 432P HOLTON, PAMELA, IMPICCIATORE, MARIANINA & SPENCER, JAN. Dose response relationship and comparison of the secretory potency of methyl histamine and histamine on the isolated guinea pig stomach.
- 433P CURWAIN, B.P. & MILLS, G.A. Effects of atropine on gastric secretion and mucosal blood flow in conscious dogs.
- 434P McISAAC, R.L. & WILSON, G.M. (introduced by Pamela Holton). The effect of atropine on pentagastrin-induced gastric acid secretion and mucosal blood flow in the conscious rat.
- 435P BRIMBLECOMBE, R.W., DUNCAN, W.A.M., DURANT, G.J., GANELLIN, C.R., PARSONS, M.E. & BLACK, J.W. The pharmacology of cimetidine, a new histamine H₂-receptor antagonist.
- 436P FOSTER, R.W. & RAMAGE, A.G. Observations on the effect of dibenzoxazepine (CR) and N-nonoyl-vanillylamide (VAN) on sensory nerves.
- 437P CONSTANTI, A. & NISTRI, A. (introduced by Quilliam, J.P.). Actions of glutamate and kainic acid on the lobster muscle fibre and the frog spinal cord.
- 438P ADAMS, P.R. & BROWN, D.A. Actions of γ -aminobutyric acid (GABA) on ganglionic transmission and ganglion cell excitability.
- 439P DICK, FABIENNE & KELLY, J.S. L-2,4-diaminobutyric acid (L-DABA) as a selective marker for inhibitory nerve terminals in rat brain.

- 440P MEIER, J. (introduced by Berde, B.). Bioanalytical assay of clozapine and its N-oxide metabolite and the determination of their blood levels in the dog.
- 441P HEWICK, D.S. & MORELAND, T.A. (introduced by Marshall, P.BA). An NADPH dependent warfarin reductase in human and rat liver and kidney soluble fraction.
- 442P McKILLOP, D. & POWIS, G. The effect of a single dose of ethanol on the hepatic microsomal metabolism of foreign compounds in the rat.
- 443P AUTY, R.M. & BRANCH, R.A. (introduced by Bhoola, K.D.). The metabolism of ethyl, n-propyl, n-butyl and iso-amyl alcohols by the isolated perfused rat liver.
- 444P BENNETT, T. & GARDINER, SHEILA M. (introduced by Birmingham, A.T.). The effects of intravenous injections of vinblastine or vincristine on the responses of the rat heart to nerve stimulation and to drugs.
- 445P COTTNEY, J. & LEWIS, A.J. Mechanisms of concanavalin A-induced inflammation in the rat.
- 446P BLOGG, C.E., BRITTAIN, R.T., SIMPSON, B.R. & TYERS, M.B. AH 10407: A novel, short-acting, competitive neuromuscular blocking drug in animals and man.
- 447P ATTERWILL, C.K., MAHONEY, ANNE & NEAL, M.J. The uptake and subcellular distribution of ³ H-choline by the retina.
- 448P SCHILD, H.O. Drug desensitization and cross-desensitization in guinea-pig ileum.
- 448P TRIST, D.G. & WEATHERALL, M. The effect of isoprenaline on ⁸⁶Rb uptake by horse lymphocytes in vitro.
- 449P FOZARD, J.R. & MWALUKO, G.M.P. Stimulant effects of 5-hydroxytryptamine on cardiac sympathetic nerves.
- 450P GRAHAM, C.W., GREEN, A.R., WOODS, H.F. & YOUDIM, M.B.H. 5-Hydroxytryptamine synthesis in the isolated perfused rat brain.
- 451P LIVINGSTON, A. & PHILLIPS, ELIZABETH. Distribution of chlorpromazine and its metabolites in subfractions of rat brain.
- 452P TURNBULL, M.J. & WATKINS, J.W. Change in sensitivity to pentobarbitone and halothane induced by acute administration of central nervous system depressant drugs.
- 453P MOORE, K.E. & PHILLIPSON, O.T. (introduced by Beart, P.M.). Effects of dexamethasone on phenylethanolamine N-methyl-transferase (PNMT) and adrenaline (A) in the brains of adult and neonatal rats.
- 454P BRYANT, B.J., McCULLOCH, M.W., RAND, M.J. & STORY, D.F. Release of ³H-(-)-noradrenaline from guinea-pig hypothalamic slices: effects of adrenoceptor agonists and antagonists.
- 455P DARGIE, H.J., DOLLERY, C.T. & LEWIS, P.J. Prevention of DOCA saline hypertension by central 6-hydroxydopamine: role of saline intake.
- 455P HIRSCH, J.C., TASSIN, J.P. & THIERRY, A.M. Loss of noradrenergic and dopaminergic terminals in the chronically isolated cerebral cortex of the cat.
- 456P ELKHAWAD, A.O., MUNDAY, K.A., POAT, JUDITH A. & WOODRUFF, G.N. The effect of dopamine receptor stimulants on locomotor activity and cyclic AMP levels in the rat striatum.
- 457P MILLER, R. (introduced by Iversen, L.L.). Inhibition of dopamine-sensitive adenylate cyclase in rat basal ganglia and other hormone sensitive adenylate cyclase systems by neuroleptic drugs.
- 458P CALLINGHAM, B.A. & LYLES, G.A. Some effects of age upon irreversible inhibition of cardiac MAO.
- 459P BEVAN, P., BRADSHAW, C.M. & SZABADI, E. Tricyclic antidepressants and monoamines: the relationship between uptake blockade and potentiation of neuronal responses.
- 460P AHTEE, LIISA. Effect of drugs on metoclopramide-induced catalepsy and increase in striatal homovanillic acid content.
- 461P BRIMBLECOMBE, R.W., BUXTON, D.A. & REDFERN, P.H. Drug effects on avoidance behaviour in selected strains of rats.
- 462P BRADLEY, P.B. & BRAMWELL, G.J. A stereospecific action of morphine on brain stem neuronal activity: a microiontophoretic study.
- 463P BENOY, CHRISTINE J., EL FELLAH, M.S., SCHNEIDER, R. & WADE, O.L. Tolerance to sympathomimetic bronchodilators in the guinea pig lungs.

- 464P JONES, R.L. Actions of prostaglandins on the arterial system of the sheep: some structure-activity relationships.
- 465P HERMAN, A.G. & MONCADA, S. Release of prostaglandins and incapacitation after injection of endotoxin in the knee joint of the dog.
- 466P PARRATT, J.R. & STURGESS, R.M. The protective effect of sodium meclofenamate in experimental endotoxin shock.
- 467P CRUTCHLEY, D.J. & PIPER, PRISCILLA J. Inhibition of the pulmonary inactivation of prostaglandins in rabbit in vivo.
- 467P BLACKWELL, G.J., FLOWER, R.J., PARSONS, M.F. & VANE, J.R. Factors influencing the turnover of prostaglandin synthetase.
- 469P PUGH, D.M., SHARMA, S.C. & WILSON, C.W.M. Inhibitory effect of L-ascorbic acid on the yield of prostaglandin F from the guinea-pig uterine homogenates.
- 470P GREAVES, M.W., KINGSTON, W.P. & PRETTY, KATHLEEN. Action of a series of non-steroid and steroid anti-inflammatory drugs on prostaglandin synthesis by the microsomal fraction of rat skin.

VOLUME 53 NUMBER 4 APRIL 1975

473 SNYDER, S.H. (work done in collaboration with Anne B. Young). Fifth Gaddum Memorial Lecture, University of Bristol, September 1974. The glycine synaptic receptor in the mammalian central nervous system (AP1, DM2, SP2)

Systematic Pharmacology

- 485 PARRATT, J.R. & STURGESS, R.M. E. coli endotoxin shock in the cat; treatment with indomethacin (SP1)
- 489 JOHNSON, K.G. Thermoregulatory changes induced by cholinomimetic substances introduced into the cerebral ventricles of sheep (SP2, AP1)
- 499 DE MICHELI, P. & GLÄSSER, A.H. The effects of catecholamines and adrenoceptor blocking drugs on the canine peripheral lymph flow (SP3, AP1, DM2)

Autopharmacology

- 505 HENDERSON, G., HUGHES, J. & KOSTERLITZ, H.W. The effects of morphine on the release of noradrenaline from the cat isolated nictitating membrane and the guinea-pig ileum myenteric plexus-longitudinal muscle preparation (AP1, DM2, PK3)
- 513 PACHA, W., SALZMANN, R. & SCHOLTYSIK, G. Inhibitory effects of clonidine and BS 100-141 on responses to sympathetic nerve stimulation in cats and rabbits (AP1)
- 517 DAWES, P.M. & FAULKNER, D.C. The effect of propranolol on vascular responses to sympathetic nerve stimulation (AP1, DM2, SP1)
- 525 HOOD, A.J.C., SMY, J.R. & WEETMAN, D.F. An indirect sympathomimetic effect of burimamide on kitten isolated atria (AP1, AP2, SP1)
- 531 CHAMALES, M.H., GOURLEY, R.D. & WILLIAMS, BETTY J. Effect of acetylcholine on changes in contractility, heart rate and phosphorylase activity produced by isoprenaline, salbutamol and aminophylline in the perfused guinea-pig heart
 - (AP1, DM2, SP1)
- 539 HIGGS, G.A., McCALL, ELAINE & YOULTEN, L.J.F. A chemotactic role for prostaglandins released from polymorphonuclear leucocytes during phagocytosis (AP2)
- 547 BEDWANI, J.R. & MARLEY, P.B. Enhanced inactivation of prostaglandin E₂ by the rabbit lung during pregnancy or progesterone treatment (AP2, AP3)
- 555 HODGES, J.R. & VELLUCCI, SANDRA V. The effect of reserpine on hypothalamopituitary-adrenocortical function in the rat (AP3)

Pharmacokinetics

- 563 BUCZKO, W., DE GAETANO, G. & GARATTINI, S. Effect of fenfluramine on 5-hydroxytryptamine uptake and release by rat blood platelets (PK3, DM1)
- 569 FANTOZZI, R., FRANCONI, FLAVIA, MANNAIONI, P.F., MASINI, EMANUELA & MORONI, F. Interaction of histamine H₁- and H₂-receptor antagonists with histamine uptake and metabolism by guinea-pig isolated atrium and mouse neoplastic mast cells in vitro (PK2, PK3, DM2)

Drug Mechanisms

- 575 SPEDDING, M., SWEETMAN, A.J. & WEETMAN, D.F. Antagonism of adenosine 5'-triphosphate-induced relaxation by 2-2'-pyridylisatogen in the taenia of guinea-pig caecum (DM1, DM2)
- 585 KENNEDY, I. & LEVY, G.P. Combined α and β -adrenoceptor blocking drug AH 5158: further studies on α -adrenoceptor blockade in anaesthetized animals (DM2)

SHORT COMMUNICATIONS

- 593 el-AZHARY, ROKEA A., KHAYYAL, M.T. & SALEH, SAMIRA. Effect of fluphenazine on tissue noradrenaline concentrations and its interaction with pargyline (SP2, PP, PK2)
- 596 GREENBERG, R. Indomethacin potentiation of the response of the rabbit portal vein to electrical stimulation: effect of stimulus frequency and train length (AP1, AP2)
- 598 LARGE, W.A. Effect of tetramethylenedisulphotetramine on the membrane conductance increase produced by γ-amino-butyric acid at the crab neuromuscular junction (DM1)