

COMMUNICATIONS

- 195P BRADLEY, P.B., JONES, H. & ROBERTS, F. Histamine potentiates the effects of excitatory amino acids on quiescent neurones in the rat medulla
- 196P ANIS, N.A., BERRY, S.C., BURTON, N.R., DAWKINS, S.L. & LODGE, D. Effects of psychotomimetic benzomorphans on responses of cat spinal neurones to excitatory amino acids and acetylcholine
- 197P HORTON, R.C., LOGAN, S.D. & the late J.H. WOLSTENCROFT. Actions of piperidine on single neurones in the rat pons
- 198P SIMMONDS, M.A. Interactions of the benzodiazepine R05-4864 with the GABA_A receptor complex
- 199P KEMP, J.A., MARSHALL, G.R. & WOODRUFF, G.N. Quantitative analysis of GABA agonists and antagonists using the rat hippocampal slice preparation
- 200P JONES, R.S.G. & OLPE, H-R. Aging and the sensitivity of neurones in the rat cingulate cortex to substance P and acetylcholine
- 201P SHARIF, N. Autoradiographic visualization and characterisation of brain and spinal TRH receptors
- 202P CORTÉS, R., PALACIOS, J.M. & PAZOS, A. Visualisation of multiple serotonin receptors in the rat brain by autoradiography
- 203P BLACKBURN, T.P., BOWERY, N.G., COX, B., HUDSON, A.L., MARTIN, D. & PRICE, G.W. Lesion of the dorsal raphe nucleus increases the nigral concentration of 5-HT₁ receptors
- 204P TRICKLEBANK, M.D. Central 5-HT receptor subtypes and the behavioural responses to 5-methoxy-N,N-dimethyltryptamine
- 205P MARSDEN, C.A. & MARTIN, K.F. Changes in 5-HT receptor-mediated behaviour following withdrawal from acute and chronic amitryptiline administration
- 206P KENDALL, D.A. & NAHORSKI, S.R. Suppression of 5-HT receptor mediated inositol phospholipid breakdown in brain by chronic antidepressant treatment
- 207P CURZON, G., DICKINSON, S.L. & KENNETT, G.A. Chronic corticosterone decreases 5-HT decreases 5-HT dependent responses in the rat
- 208P JENNEWEIN, H.M., MIERAU, J., SAXENA, P.R. & VERDOUW, P.D. Arteriovenous anastomotic constriction and arteriolar dilatation by BEA 1654, a putative 5-HT₁ agonist
- 209P FENIUK, W., HUMPHREY, P.P.A. & WATTS, A.D. 5-carboxamido tryptamine - a potent agonist at 5-hydroxytryptamine receptors mediating relaxation
- 210P BRADLEY, P.B., HUMPHREY, P.P.A. & WILLIAMS R.H. Monoamine oxidase activity affects antagonism of responses to tryptamine but not to 5-hydroxytryptamine in rat caudal artery
- 211P DOWNING, O.A., MARRIOTT, J.F. & WILSON, K.A. Differential effects of verapamil on hypoxic and recovery contractions of rat aorta after exposure to chronic hypoxia

*The author who intended to present the work is indicated
by an asterisk (*) on the abstract*

- 212P HICKS, P.E., LANGER, S.Z. & TIERNEY, CAROLINE. Potent antagonism by diltiazem of α_2 -receptor mediated constriction in SHR, but not normotensive rat tail arteries *in vitro*
- 213P DOCHERTY, J.R., HYLAND, L. & WARNOCK, P. Pre- and postsynaptic actions of Bayer K8644 in the rat vas deferens
- 214P COKER, SUSAN J. & PARRATT, J.R. Late administration of nifedipine fails to prevent reperfusion-induced ventricular fibrillation in anaesthetised greyhounds
- 215P BROADLEY, K.J., CHESS-WILLIAMS, R.G. & SHERIDAN, D.J. Do guinea-pig ventricular myocardial α -adrenoceptors exist?
- 216P GRANT, T.L., MCGRATH, J.C. & O'BRIEN, J.W. The influence of blood gases on α_1 and α_2 adrenoceptor-mediated pressor responses in the pithed rat
- 217P BENNETT, T., GARDINER, S.M. & WINN, M.J. The influence of vasopressin on BP following α -adrenoceptor antagonism
- 218P RAMAGE, A.G. & TOMLINSON, AMANDA Evidence for a sympathoexcitatory action of α_2 -adrenoceptor antagonists
- 219P SAXENA, P.R. & VERDOUW, P.D. Tissue blood flow and arteriovenous shunting in pigs measured with microspheres of four different sizes
- 220P MORATINOS, J., OLMEDILLA, B., DE PABLOS, I. & VIGUERAS, M.D. α -adrenoceptor involvement in catecholamine-induced hyperglycaemia in conscious fasted rabbits
- 221P BODEN, P., DUCE, I.R. & USHERWOOD, P.N.R. Activation-induced post-synaptic block of insect nerve-muscle transmission by a low molecular weight fraction of spider venom
- 222P BORKOWSKI, K.R. & QUINN, P. A β_2 -adrenoceptor involvement in the development of spontaneous hypertension in rats
- 223P ARR, S.M., COOPER, W.D., CRUTCHER, E.C. & QUINN, P.J. The effects of propranolol and timolol on rat heart mitochondrial function
- 224P BROADLEY, K.J., CHESS-WILLIAMS, R.G. & GRASSBY, P.F. Responses mediated via β_1 but not β_2 -adrenoceptors exhibit supersensitivity after 6-hydroxydopamine pretreatment
- 225P LEPRAN, I., PARRATT, J.R., SZEKERES, L. & WAINWRIGHT, C.L. Antiarrhythmic effects of a metoprolol thromboxane synthesis inhibitor combination in conscious rats
- 226P GRANT, T.L. & MCGRATH, J.C. The effects of blood gases and nifedipine on pressor responses to angiotensin II in the pithed rat
- 227P BOLT, G.R. & SAXENA, P.R. Characterization of the hypotensive mechanism of ketanserin in conscious renal hypertensive rabbits
- 228P BENNETT, P.N., NOTARIANNI, LIDIA J. & PATEL, D.K. Capacity limited metabolism of acetylsalicylic acid in the rat
- 229P CLARK, E.R. & ROBINSON, S.P. Effect of pregnant mare serum gonadotrophin on mammary tumours induced by 7,12-dimethylbenz [a] anthracene (DMBA) in the rat
- 230P ANGELO-KHATTAR, M., JOSEPH, L., NILSSON, T. & THULESIUS, O. The effect of indomethacin on ureteral motility

- 231P GIEMBYCZ, M.A. & RODGER, I.W.
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tension responses and cyclic
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- 232P DURANT, G.J., GANELLIN, C.R.,
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R.J., OWEN, D.A.A., PARSONS, M.E.
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- 233P LEDGARD, S.E., NIEVES, A.L. &
WOODWARD, D.F. Effect of
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- 234P CLAY, T.P. & THOMPSON, M.A.
Pharmacological modulation of
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- 235P HORTON, R.W., PRESTWICH, S.A. &
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- 236P BROWN, CHLOE L., JONES, B.J.,
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- 237P OLSEN, R.W. & WONG, E.H.F.
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- 238P DAVIES, CHRISTINA & STEINBERG,
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- 239P ROSE, I.C. & STOLERMAN, I.P.
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- 240P FILE, SANDRA E. & PELLOW, SHARON
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- 241P HOBBS, A., PATERSON, I.A. &
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- 242P O'BOYLE, K.M., PUGH, M. &
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- 243P KITCHEN, I., MCDOWELL, J., WILSON,
J.M. & WINDER, C. Low level lead
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- 244P COWLRICK, I.S. & SHEPPERSON, N.B.
Meptazinol and opiate respiratory
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- 245P KUMAR, R., MORRIS, E.A. &
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- 246P LEONARD, B.E. & O'CONNOR, W.T.
Effect of isomers on the 6-AZA
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- 247P PALOMO, T. & REID, I.C. Effect
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- 248P APPELYARD, MARGARET E., GREEN,
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- 249P ARBILLA, SONIA, DENNIS, T.,
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- 250P LESLIE, R., OSBORNE, N.N., PATEL, S. & PEARD, A. An immunohistochemical study to localise histaminergic neurones in invertebrate and vertebrate nervous systems
- 251P BUTCHER, S.P., COLLINS, J.F. & ROBERTS, P.J. DL- $[^3\text{H}]$ -2-amino-4-phosphonobutyrate labels postsynaptic excitatory amino acid receptors in rat striatum
- 252P ARBILLA, SONIA, BAUD, P., CANTRILL, R. & LANGER, S.Z. Endogenous phenolamines: do they have a direct postsynaptic action on dopamine receptors in the central nervous system?
- 253P HUTCHINSON, J.B., NAHORSKI, S.R. & STRUPISH, J. Simultaneous measurement of endogenous dopamine and cholecystokinin (CCK) release from rat striatal slices
- 254P DAVIES, W.E. & OWEN, C.D. Amino acid levels in mice resistant and susceptible to audiogenic seizures (AGS)
- 255P GOEDERT, M., HUNTER, J.C. & NINKOVIC, M. Evidence for neurotensin as an inhibitory neurotransmitter in the guinea-pig ileum
- 256P BOAKES, R.J., TURNER, J.D. & VIRMANI, M.A. Modulation by convulsants of the release of 5-hydroxytryptamine induced by low chloride concentrations
- 257P COSTALL, BRENDA, DOMONEY, ANNETTE M. & NAYLOR, R.J. Chronic enhancement of dopamine agonist action after intra-accumbens dopamine infusion
- 258P COOPER, S.J. & GILBERT, D.B. Dopamine D_2 receptor antagonism enhances salt preference in the rat
- 259P HALL, M.T., HAMILTON, C.A., KANE, K.A., REID, J.L., RODGER, I.W. & WADSWORTH, R.M. ^{45}Ca uptake in the aorta and mesenteric artery in rabbits with perinephritis hypertension
- 260P FREEDMAN, S.B., MILLER, D.M., MILLER, R.J. & TINDALL, D.R. Interaction of maitotoxin with voltage sensitive calcium channels in cultured neuronal cells
- 261P JOHNS, E.J. The influence of diltiazem and nifedipine on the response of the rat kidney to modest renal nerve stimulation
- 262P HOLGATE, S.T. & MANN, J.S. Release of adenosine and its metabolites from human leukocytes activated with the calcium ionophore A23187
- 263P MARSHALL, I. & ROBERTS, P.M. Histamine inhibition of acetylcholine-induced bradycardia in the guinea-pig isolated right atrium
- 264P CHURCH, M.K., HOLGATE, S.T. & KIM, Y-Y. Inhibition of histamine release from human mast cells by nifedipine and nicardipine
- 265P FRETTON, P., TOMLINSON, D.R. & TOWNSEND, J. Prevention of axonal transport defects, in vagus and sciatic nerves of diabetic rats, by aldose reductase inhibition
- 266P MOORE, N.A., PULLAR, I.A., RISIUS, F.C. & TYE, N.C. LY141865 induced hypothermia: a possible D_2 dopamine receptor mediated effect

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- 267P BENNETT, G.W., LIGHTON, CELIA & MARSDEN, C.A. The effects of 5,7-dihydroxytryptamine and p-chlorophenylalanine on the *ex vivo* release of thyrotrophin releasing hormone
- 268P MARSDEN, C.A. & ROUTLEDGE, C. *In vivo* measurements of DOPAC, 5HIAA and 5-HT in specific brain regions by intracerebral dialysis
- 269P MOSER, P.C. & REDFERN, P.H. Diurnal variation in behavioural responses to 5-HT receptor stimulation
- 270P BUCKETT, W.R. & DIGGORY, G.L. The antidepressant dothiepin induces down-regulation of cortical 5-HT₂ receptors after subchronic oral treatment in the rat
- 271P DAVIES, J.A. & LEIGHTON, G.E. Effect of cinanserin on the release of glutamate from rat cerebellar slices
- 272P CUNDEY, J.E. & DAVIES, J.A. Reduction of neuroleptic-withdrawal induced supersensitivity following simultaneous administration of 5-hydroxytryptophan
- 273P ANWYL, R. & ROWAN, M.J. Antagonism of inhibitory but not excitatory effects of 5-hydroxytryptamine in the rat hippocampal slice
- 274P BENTLEY, A.M. & OSBORNE, N.N. Feasibility study of a serotonin radioimmunoassay kit assembled from commercially available materials
- 275P BRECKENRIDGE, A.M., COLEMAN, M.D., EDWARDS, G., HOWELLS, R.E. & MIHALY, G.W. Micro analytical HPLC method for the determination of pyrimethamine and its 3-N-oxide metabolite in biological fluids
- 276P LOWE, K.C., MCNAUGHTON, DENISE C. & MOORE, J.P. Effect of perfluorocarbon emulsion, fluosol-DA, on histamine release from rat peritoneal mast cells *in vitro*
- 277P WALI, F.A. The effects of some local anaesthetics and other drugs on calcium-induced luminescence of aequorin
- 278P AL-GADI, M. & HILL, S.J. The effect of cimetidine and mepyramine on histamine stimulated cAMP accumulation in rabbit cerebral cortical slices
- 279P BRIGHT, J.E., KENNY, T. & MARRS, T.C. The induction of methaemoglobin by hydroxyaminopropiophenone
- 280P MELARANGE, R. & RASHBROOK, LINDA C. Effect of nabumetone on rat gastric mucosal 6-keto-PGF_{1α} production and the relationship to its lack of gastric irritancy
- 281P ROBERTS, F. Measuring the dissociation constant of a partial agonist
- 282P CHURCH, M.K., CLEGG, L.S. & HOLGATE, S.T. Histamine secretion from human skin slices induced by anti-IgE, calcium ionophore A23187, poly-L-lysine and compound 48/80
- 283P HAIGH, C.G., KAFY, A.M.L. & LEWIS, D.A. Observations of the anti-inflammatory action of putrescine
- 284P MARSDEN, C.A. & STOLZ, J.F. Lack of effect of chronic antidepressant administration on striatal dopamine autoreceptor sensitivity
- 285P LITTLE, H.J., NUTT, D.J. & TAYLOR, S.C. Hypothermic effects of benzodiazepine agonists, antagonists and contragonists
- 286P LITTLE, H.J., NUTT, D.J. & TAYLOR, S.C. Further studies on benzodiazepine receptor-mediated kindling

- 287P PECK, M.J., ROUNDING, H.P. & TOWART, R. The effects of nifedipine on antigen-induced contraction of sensitised guinea-pig isolated trachea
- 288P FLEMINGER, S., HALL, M.D., JENNER, P., KILPATRICK, G., MANN, S., MARSDEN, C.D. & RUPNIAK, N.M.J. Differential effects of administration of haloperidol, sulpiride or clozapine for 12 months on rat striatal function
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- 290P MCGRATH, J.C., MACLENNAN, S.J., MANN, A.C. & STUART-SMITH, K. Analysis of the contractile responses of human umbilical blood vessels to 5-HT and oxygen
- 291P BARBER, D.J., BARBOUR-MCMULLEN, J. & COOPER, S.J. Opiate receptor antagonists attenuate sweetened milk consumption in male and female rats of the Roman strains
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- 293P WRIGHT, D.J.M. Opioid antagonists, by an action on the brain, prevent endotoxin causing the disappearance of circulating white cells and platelets
- 294P KEY, B.J., TYERS, M.B. & YOUNG, A. M.J. The effects of delta-sleep inducing peptide (DSIP) in relation to opioid receptors
- 295P BATES, R.F.L., BUCKLEY, G.A. & MCARDLE, C.A. Comparison of the antinociceptive effects of centrally administered calcitonins and calcitonin gene-related peptide
- 296P JACKSON, H.C. & SEWELL, R.D.E. Effect of the opioid-antagonist ICI 154,129 on food intake in rats
- 297P GREEN, P.G. & KITCHEN, I. Di-isopropylfluorophosphate enhances entry of alfentanil into mouse brain
- 298P HAYES, R.J., LANDER, J., OATES, N.S. & SLOAN, T.P. The effect of ketamine on the response to field stimulation and the uptake of [³H]-noradrenaline by the mouse vas deferens
- 299P BROWNE, JULIA, L. & PILCHER, C. W.T. Effects of housing density on nociception of heat and pressure and the hyperalgesic actions of naloxone and Mr 1452
- 300P BRILEY, M., CHARVERON, M., COURET, E. & STENGER, A. Tofisopam enhances the anti-convulsant activity of diazepam against some, but not all, convulsive agents
- 301P DOREY, P.G. & WOODRUFF, G.N. Chlordiazepoxide enhances the inhibition of VTA dopaminergic neurones produced by nucleus accumbens stimulation
- 302P GARDNER, C.R. Do intravenous benzodiazepines enhance GABA-mediated inhibition in the cerebellum?
- 303P NORMAN, A.B., PRINCE, A.K. & WYLIE, G.L. Stereotyped behaviour and body temperature of rats withdrawn from short term treatments with oxypertine or haloperidol

- 304P COLES, D.J., ELLIS, C.E., HOLMES, S.W., TRIM, J.L. & WILSON, K.L. The effects of glycol solvents in some simple tests for CNS activity
- 305P BROWN, F., CAMPBELL, W., MITCHELL, P. & RANDALL, K. Dopamine autoreceptor agonism defined by inhibition of L-dopa synthesis and spiperone-sensitive exploratory locomotion
- 306P BUCKETT, W.R. & LUSCOMBE, G.P. Chronic hydrocortisone does not alter the response of mice in catecholamine-dependent behavioural models
- 307P BRADBURY, AMANDA J., COSTALL, BRENDA, DOMENEY, ANNETTE M. & NAYLOR, R.J. The behavioural and biochemical consequences of dopamine infusion into the frontal cortex of rat brain
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- 309P FOZARD, J.R., PALFREYMAN, M.G. & ZREIKA, M. The comparative pharmacology of two selective inhibitors of monoamineoxidase B: deprenyl and MDL 72145
- 310P BROWN, C.M., DYE, A.C. & WHITING, R.L. Comparison of the rate of cerebrocortical β -adrenoceptor 'down regulation' following RS-21361 and desmethyylimipramine
- 311P CANDY, J.M., SNELL, C.R. & SNELL, P.H. Autoradiographic localisation of nicotinamide adenine dinucleotide binding sites in the rat brain
- 312P HARRON, D.W.G., KOBINGER, W. & LILLIE, C. Indoramin; bradycardia due to prolongation of repolarisation time
- 313P NEDERGAARD, OVE A. Pre- and postsynaptic actions of indoramin on isolated artery preparations
- 314P PIERCE, VANESSA & SHEPPERSON, N. B. Effect of α_1 -adrenoceptor antagonist indoramin on baroreceptor reflexes in conscious rats
- 315P BERRIDGE, T.L., ROACH, A.G., STRACHAN, DIANE A. & VIRDEE, NARINDER K. Selectivities of idazoxan, WY 26703 and yohimbine for prejunctional α_2 -adrenoceptors in rats and dogs
- 316P ADAMS, M. & MARSHALL, I. Chronic infusions of idazoxan and desmethyylimipramine on α_2 -receptor control of noradrenaline release
- 317P HAMILTON, C.A., LESLIE, C., MISHRA, N. & REID, J.L. Maturation of α -adrenoceptors in male and female rabbits
- 318P HERSOM, A.S. & MACKENZIE, J.E. Comparative cardiotoxicity of idazoxan, amitriptyline, mianserin and yohimbine in the rabbit
- 319P BULL, D.R. & DREW, G.M. How important is the presynaptic effect of angiotensin II in modulating pressor responses to sympathetic nerve stimulation?
- 320P BENNETT, T. & GARDINER, S.M. Antagonism of the cardiovascular action of vasopressin lowers blood pressure in isolated rats
- 321P DOWNING, O.A., MARRIOTT, J.F. & WILSON, K.A. Effect of ouabain and K^+ -free Krebs' on hypoxic and recovery responses of rat aorta to noradrenaline
- 322P ANDERSON, D.R., CABEROS, L., FENN, G.C. & LITTLETON, J.M. Reduced platelet function in rats treated chronically with ethanol

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- 327P ABRAHAMSEN, J. & NEDERGAARD, O.A. Accumulation of [^3H]-adrenaline by rabbit isolated aorta
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- 331P KANE, K.A., PARRATT, J.R. & ROTHAUL, A.L. Effects of prazosin and nicergoline on normal and mildly depressed sheep purkinje fibre action potentials
- 332P KANE, K.A., MORCILLO, E.J., RODGER, I.W. & SHAHID, M. Coronary artery occlusion-induced arrhythmias in the anaesthetised rat and myocardial levels of cyclic AMP and cyclic GMP
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- 334P PHILPOT, MARGARET E. & SHEPPERSON, N.B. Cardiovascular effects of WY 26392 and RX 781094 in anaesthetised cats
- 335P BLACKHAM, A. & WOODS, A.M. A mouse *in vivo* model to detect dual inhibitors of arachidonic acid metabolism
- 336P CHEESBROUGH, KAREN L., MARSHALL, R.W., RICHENS, A. & WILSON, J.F. Isoprenaline action on tetani of slow contracting skeletal muscle
- 337P COSTALL, BRENDA, NAYLOR, R.J. & TAN, CONNIE C.W. Apomorphine modifies the volume and acid concentration of gastric secretion in the rat via two distinct mechanisms
- 338P RAEBURN, D. & RODGER, I.W. Leukotriene D_4 does not stimulate ^{45}Ca uptake into guinea-pig tracheal smooth muscle
- 339P ANGELL, D., CLOUGH, D.P., HATTON, R. & ROBERTS, ALISON J. The effect of enalapril and bilateral nephrectomy on sympathetic function in normotensive rats
- 340P HANDLEY, S.L. & SINGH, L. GABA modulates the head-twitch induced by L-5-HTP

- 341P HANDLEY, S.L., & MITHANI, S.
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- 342P GARRETT, N.J., JENNER, P.,
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- 343P ANDERSON, R.A. & MITCHELL, R.
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- 344P MCGRATH, J.C. Is the "Ca⁺⁺ -
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- 345P CLAGUE, R.U., EGLEN, R.M.,
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- 346P HALL, M.D., FLEMINGER, S.,
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- 347P CALDERWOOD, A., SKINGLE, M. &
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- 348P LITTLETON, J.M., MONTAGUE, A. &
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