# BRITISH JOURNAL OF PHARMACOLOGY

# **Contents**

## Page

#### Systematic Pharmacology

- 177 Greenway, C. V. and Murthy, V. S. Effects of vasopressin and isoprenaline infusions on the distribution of blood flow in the intestine; criteria for the validity of microsphere studies.
- 189 CHILD, K. J., DAVIS, B., DODDS, M. G. and TWISSELL, D. J. Anaesthetic, cardiovascular and respiratory effects of a new steroidal agent CT 1341: a comparison with other intravenous anaesthetic drugs in the unrestrained cat. (SP1, SP2, PM)
- 201 BISCOE, T. J., DUGGAN, A. W. and LODGE, D. Effect of etorphine, morphine and diprenorphine on neurones of the cerebral cortex and spinal cord of the rat. (SP2)
- 213 Babbini, M. and Davis, W. M. Time-dose relationships for locomotor activity effects of morphine after acute or repeated treatment. (SP2, PP)
- 225 CURWAIN, B. P. and HOLTON, PAMELA. The effects of isoprenaline and noradrenaline on pentagastrin-stimulated gastric acid secretion and mucosal blood flow in the dog. (SP3, SP1, AP1)
- 234 Burnstock, G., Satchell, D. G. and Smythe, Anne. A comparison of the excitatory and inhibitory effects of non-adrenergic, non-cholinergic nerve stimulation and exogenously applied ATP on a variety of smooth muscle preparations from different vertebrate species. (SP3, AP2)

#### Autopharmacology

- 243 Burnstock, G., McCulloch, M. W., Story, D. F. and Wright, M. E. Factors affecting the extraneuronal inactivation of noradrenaline in cardiac and smooth muscle. (API)
- 254 FÖLDI-BÖRCSÖK, ETHEL. Effect of external lymph drainage and of coumarin treatment on thermal injury in the rat hind leg. (AP2)
- 260 Hicks, R. and Sackeyfio, A. C. The nature of adrenergic mechanisms involved in anaphylatoxin activity in the guinea-pig. (AP2, AP1)
- 270 Berg, B., Granerus, G., Johansson, Maj-Britt, Westling, H. and White, T. Histamine formation from <sup>14</sup>C-L-histidine in man. (AP2, PK2, PK1)

#### **Pharmacokinetics**

- 281 CASALS, J. BOU. Pharmacokinetic and toxicological studies of antimony dextran glycoside (RL-712). (PK1)
- 289 BOADLE-BIBER, MARGARET C., HUGHES, J. and ROTH, R. H. Acceleration of catecholamine biosynthesis in sympathetically innervated tissues by angiotensin-II-amide. (PK2, AP1, AP3)

#### Drug Mechanisms'll

- 300 BARLOW, R. B., FRANKS, FIONA M. and PEARSON, J. D. M. A comparison of the affinities of antagonists for acetylcholine receptors in the ileum, bronchial muscle and iris of the guinea-pig. (DM2)
- PARKES, M. W. and PARKS, JENNIFER C. Supersensitivity of salivation in response to pilocarpine after withdrawal of chronically administered hyoscine in the mouse. (DM2, AP1)

## Contents—continued

#### Clinical Pharmacology

324 Basu, J. Effect on reproductive organs of three clomiphene analogues.

(CP, CT)

#### Toxicology

329 Freeman, Shirley E. and Turner, R. J. A myotoxin secreted by some piscivorous *Conus* species. (TX)

### SHORT COMMUNICATIONS

- 344 Ambani, Lalit M. and Van Woert, Melvin H. Modification of the tremorigenic activity of physostigmine. (AP1, SP2)
- 348 Drew, G. M. and Levy, G. P. Characterization of the coronary vascular  $\beta$ -adrenoceptor in the pig. (SP1, DM2)
- 351 CURWAIN, B. P., HOLTON, PAMELA and SPENCER, JAN. The effect of betahistine on gastric acid secretion and mucosal blood flow in conscious dogs. (SP3, SP1)
- 355 BACK, D. J. and CALVEY, T. N. The removal of <sup>14</sup>C-edrophonium from the circulation. (PK1)
- 358 CRIPPS, HEATHER, DEARNALEY, D. P. and Howe, P. R. C. Enhancement of noradrenaline depletion in the cat spleen by phenoxybenzamine and phentolamine. (PK3, AP1)

#### Systematic Pharmacology

Cardiovascular system SP1 Central nervous system SP2 Other physiological systems SP3

#### **Pharmacokinetics**

Storage, distribution, fate PK1 Synthesis, metabolism PK2 Uptake, release PK3

Clinical Pharmacology, Experimental Therapy CP Chemotherapy CT Miscellaneous M

#### Autopharmacology

Adrenergic, cholinergic transmission AP1 Histamine, kinins, prostaglandins, etc. AP2 Hormones AP3

#### **Drug Mechanisms**

Molecular, cellular, biochemical, biophysical DM1 Receptors, antagonism, potentiation, tolerance DM2

Pharmacometrics PM Psychopharmacology PP Toxicology TX