

THE BRITISH PHARMACOLOGICAL SOCIETY

PROGRAMME OF THE MEETING AT THE DEPARTMENT OF PHARMACOLOGY, UNIVERSITY COLLEGE LONDON

2nd to 4th January, 1963

COMMUNICATIONS

J. H. Burn (*Department of Pharmacology, Washington University, St. Louis, Missouri, U.S.A.*).
Effect of tolazoline on the response of the rabbit ileum to sympathetic stimulation.

Anne Stafford (*introduced by M. Weatherall*) (*Department of Pharmacology, The London Hospital Medical College, London, E.1*).

Selective potentiation of some catechol amines by phenoxybenzamine and cocaine.

K. R. Butterworth (*Pharmacology Department, St. Mary's Hospital Medical School, London, W.2*).

An effect of isoprenaline on the blood pressure of the cat.

M. D. Day and M. J. Rand (*Department of Pharmacology, School of Pharmacy, Brunswick Square, London, W.C.1*).

Tachyphylaxis to sympathomimetic amines.

R. E. Nagle, B. N. C. Prichard and D. R. Laurence (*Medical Unit, University College Hospital Medical School, and Department of Pharmacology, University College London, W.C.1*).

The interaction of noradrenaline and angiotensin with hypotensive drugs.

A. T. Birmingham and A. B. Wilson (*introduced by G. Brownlee*) (*Department of Pharmacology, King's College, London, W.C.2*).

Adrenergic neurone blockade by dimethylphenylpiperazinium.

V. Rosenoer (*introduced by H. O. Schild*) (*Pharmacology Department, University College London, W.C.1*).

The differentiation of urogastrone from other inhibitors of gastric secretion.

B. O. Amure and M. Ginsburg (*Department of Pharmacology, The University, Bristol*).

Chlorpromazine and histamine induced secretion of gastric acid.

J. H. Botting (*introduced by S. E. Dicker*) (*Department of Physiology and Pharmacology, Chelsea College of Science and Technology, London, S.W.3*).

Sensitivity to vasopressin of the smooth muscle of the guinea-pig gut.

A. Akcasu and G. B. West (*Departments of Pharmacology, University of Istanbul and School of Pharmacy, London, W.C.1*).

Why it is difficult to sensitize cats to foreign protein.

Barbara Boughton and D. A. Willoughby (*introduced by H. O. Schild*) (*Pharmacology Department, University College London, W.C.1*).

A permeability factor in lymph node cells.

Aurora Bonaccorsi and G. B. West (*Department of Pharmacology, School of Pharmacy, London, W.C.1*).

Permeability studies in rat skin.

2 PROGRAMME OF THE BRITISH PHARMACOLOGICAL SOCIETY

B. A. V. Perera (introduced by **J. L. Mongar**) (*Pharmacology Department, University College London, W.C.1*).

Role in the anaphylactic reaction of a chymotrypsin-like enzyme in mast cells.

H. Fenton and G. B. West (*Department of Pharmacology, School of Pharmacy, London, W.C.1*).

Wound healing in the rat.

Ann M. Alderson and Jennifer MacLagan (introduced by **Eleanor Zaimis**) (*Department of Physiology, St. Bartholomew's Hospital Medical School, London, E.C.1, and the Department of Pharmacology, Royal Free Hospital School of Medicine, London, W.C.1*).

Factors influencing neuromuscular block in the respiratory muscles of the cat.

R. Miledi (introduced by **H. O. Schild**) (*Biophysics Department, University College London, W.C.1*).

Electro-pharmacological determination of local cholinesterase activity in skeletal muscle fibres.

P. A. Berry, H. O. J. Collier and Patricia G. Shorley (*Department of Pharmacological Research, Parke Davis & Co., Hounslow, Middlesex*).

A new anti-inflammatory agent as an antagonist of kinins and SRS-A in guinea-pig bronchial muscle.

H. O. J. Collier and I. R. Lee (*Department of Pharmacological Research, Parke Davis & Co., Hounslow, Middlesex*).

Nociceptive responses of the guinea-pig to kinins.

D. E. Stevenson, P. L. Chambers and B. Reiff (introduced by **J. Sanford**) (*Shell Research, Tunstall Laboratory, Sittingbourne, Kent*).

The effect of some chlorinated hydrocarbon insecticides on the heart rate of rats.

G. B. Leslie and D. R. Maxwell (introduced by **R. Wien**) (*Research Laboratories, May & Baker, Dagenham, Essex*).

Some pharmacological properties of thioproperazine in comparison with chlorpromazine.

S. E. Smith and T. J. Sullivan (*Department of Pharmacology and Therapeutics, St. Thomas's Hospital Medical School, London, S.E.1*).

The effect of cyclobarbitone on tests of mental performance, a class experiment.

M. H. Lader (introduced by **H. O. Schild**) (*Pharmacology Department, University College London, W.C.1*).

The effect of cyclobarbitone on repeated psycho-galvanic responses.

M. Cymbalist, R. S. de Moura and R. Owen (introduced by **Eleanor Zaimis**) (*Department of Pharmacology, Royal Free Hospital School of Medicine, London, W.C.1*).

Oxygen uptake, functional and histological changes in hearts from guinea-pigs pretreated with reserpine.

P. Pratesi, L. Villa, E. Grana and L. Lilla (introduced by **H. Ing**) (*Istituto di Chimica Farmaceutica e Tossicologica dell' Università di Pavia*).

Relationships between chemical structure and anti-cholinergic activity in some compounds containing both the tertiary amino- and the quaternary ammonium function.

P. Withrington and Eleanor Zaimis (*Department of Pharmacology, Royal Free Hospital School of Medicine, London, W.C.1*).

Cardiovascular changes produced by the chronic administration of small doses of reserpine.

R. Schneider, G. B. Robinson, Hilary Bishop and A. C. Frazer (*Department of Medical Biochemistry and Pharmacology, The Medical School, Birmingham, 15*).

The nature of the antiperistalsis factor from gluten.

E. A. Gyang and H. W. Kosterlitz (*Department of Physiology, University of Aberdeen*).

The action of analgesic drugs on the peristaltic reflex in the isolated guinea-pig ileum.

E. S. Johnson (introduced by **G. Brownlee**) (*Department of Pharmacology, King's College, London, W.C.2*).

The resting release of acetylcholine from the guinea-pig ileum.

J. R. Campbell, D. D. Lawson and J. Sanford (*University of Glasgow Veterinary Hospital, Bearsden, Glasgow*).

Sites of action of vanillic acid diethylamide.

Beryl Askew and G. W. Cambridge (*Wyeth Laboratories, Havant, Hants.*).

The role of cyanide in the production of the central effects of an organic nitrile.

J. Crossland and P. H. Redfern (introduced by **D. R. Wood**) (*Pharmacology Laboratories, University of Nottingham*).

Chromatographic behaviour of acetylcholine in brain extracts.

D. O. Marsh, J. Marshall and H. Schnieden (*Institute of Neurology, The National Hospital, Queen Square, London, W.C.1*).

The effect of α methyl dopa on experimental and Parkinsonian tremor.

D. R. Maxwell (introduced by **R. Wien**) (*Research Laboratories, May & Baker, Dagenham, Essex*).

A simple method of measuring the stimulant or anti-depressant properties of drugs.

R. F. Carlyle (introduced by **G. Brownlee**) (*Department of Pharmacology, King's College, London, W.C.2*).

The action of eserine, neostigmine and diisopropylphosphodiamido fluoride (Mipafox) on the guinea-pig trachealis.

P. W. Ramwell and Jane E. Shaw (introduced by **P. B. Bradley**) (*M.R.C. Unit for Research on the Chemical Pathology of Mental Disorders, The Medical School, Birmingham, 15*).

The effect of picrotoxin on the motor activity and E.E.G. of mice.

P. W. Ramwell, Jane E. Shaw and L. Grant (introduced by **R. Schneider**) (*M.R.C. Unit for Research on the Chemical Pathology of Mental Disorders, The Medical School, Birmingham, 15*).

The release of pharmacologically active material from the cerebral cortex during electrical stimulation.

P. Lees and Mary F. Lockett (*from the Department of Physiology, Medical School, Birmingham 15*).

The β adrenergic receptors of rat kidney.

M. W. Parkes (*Pharmacological Laboratory, Roche Products, Welwyn Garden City, Herts.*).

An inquiry into the difference between scopolamine and atropine.

Eleanor Zaimis (*Department of Pharmacology, Royal Free Hospital School of Medicine, London, W.C.1*).

The need for "chronic" pharmacology.

D. Mackay (introduced by **K. A. Exley**) (*Department of Pharmacology, University of Leeds*).

A theory of drug action.

DEMONSTRATIONS

D. E. Stevenson (introduced by **J. Sanford**) (*Shell Research, Tunstall Laboratory, Sittingbourne, Kent*).

A mobile vacuum unit for cleaning mouse boxes.

4 PROGRAMME OF THE BRITISH PHARMACOLOGICAL SOCIETY

P. J. Fraser (*Department of Pharmacology, Wellcome Research Laboratories, Beckenham, Kent*).

Aids to foetal examinations.

Ruth Rushton and Hannah Steinberg (*Pharmacology Department, University College London, W.C.1*).

Effects of amphetamine-barbiturate mixtures on the behaviour of rats (with film).

J. M. Harris, H. Kalmus and G. B. West (*University College and School of Pharmacy, University of London, W.C.1*).

Genetics of the anaphylactoid reaction in rats.

M. W. Parkes (*Pharmacological Laboratory, Roche Products, Welwyn Garden City, Herts.*).
Spontaneous alternation in rats and the effects of drugs.

O. C. J. Lippold (*introduced by H. O. Schild*) (*Department of Physiology, University College London, W.C.1*).

The effects of drugs on the prolonged after-action of polarizing currents on the cerebral cortex.

J. L. Mongar and B. A. V. Perera (*Department of Pharmacology, University College London, W.C.1*).

Properties of rat and mouse mast cells.

Barbara Boughton and D. A. Willoughby (*introduced by H. O. Schild*) (*Department of Pharmacology, University College and University College Hospital Medical School, London, W.C.1*).

Evidence for a factor in lymph node cells which increases vascular permeability.

M. H. Lader and J. D. Montagu (*introduced by H. O. Schild*) (*Department of Pharmacology, University College London, W.C.1*).

The measurement of autonomic reactions in man.

P. J. Martin and H. O. Schild (*Department of Pharmacology, University College London, W.C.1*).

The effect of thiols on the oxytocin receptor.

R. A. Webster (*introduced by D. R. Laurence*) (*Department of Pharmacology, University College London, W.C.1*).

Spinal root preparations for investigating the effects of drugs on motor activity in the rabbit.

D. W. Dickins (*introduced by Hannah Steinberg*) (*Departments of Pharmacology, University College London, W.C.1, and Psychology, Birkbeck College*).

Recovery from anaesthesia as indicated by behaviour in a Skinner box.

D. Hawkins (*introduced by H. O. Schild*) (*Obstetric Unit, University College Hospital Medical School, London, W.C.1*).

The action of isoxsuprine on the human uterus in early pregnancy.

T. D. Whittet (*University College Hospital, London, W.C.1*).

Methods of drug administration.

V. M. Rosenoer and M. E. Whisson (*introduced by J. L. Mongar*) (*The Chester Beatty Research Institute, London, S.W.3*).

The transplantable mouse plasma cell tumour in the study of carcinostatic agents.

R. Laverty and D. F. Sharman (*introduced by M. Vogt*) (*Institute of Animal Physiology, Babraham, Cambridge*).

The use of tritium-labelled dopamine in the estimation of dopamine in tissues.