

BRITISH PHARMACOLOGICAL SOCIETY

PROGRAMME OF THE MEETING HELD IN THE LONDON HOSPITAL MEDICAL COLLEGE, LONDON, E.1.

2nd to 4th January, 1964

COMMUNICATIONS

G. W. Cambridge and **F. F. McDonald** (*Benger Laboratories, Holmes Chapel, Cheshire*).

The influence of diet on the toxicity of some iron preparations.

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

Two opposing effects of adrenaline on the potassium balance of the Langendorff heart.

L. L. Iversen (introduced by **A. S. V. Burgen**) (*Departments of Biochemistry and Pharmacology, Cambridge University*).

The kinetics of noradrenaline and adrenaline uptake by the perfused rat heart.

M. F. Cuthbert (introduced by **R. Wien**) (*May & Baker Ltd., Dagenham, Essex*).

Relative actions of the quaternary derivatives of tyramine, dopamine and noradrenaline.

W. C. Bowman and **C. Raper** (*Department of Pharmacology, School of Pharmacy, University of London*).

The action of adrenaline on chronically denervated mammalian skeletal muscle.

T. L. B. Spriggs (introduced by **Rosemary Cass**) (*Department of Pharmacology, School of Pharmacy, University of London*).

The effect of anaesthetics on tissue catechol amine content in the rat.

G. Osuide (introduced by **W. C. Bowman**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Some effects of tyramine on the spinal cord of the chick.

W. G. Dewhurst and **E. Marley** (*Institute of Psychiatry, Maudsley Hospital, London, S.E.5*).

Sympathomimetic amines and the central nervous system.

G. B. Leslie (introduced by **D. R. Maxwell**) (*May & Baker Ltd., Dagenham, Essex*).

A comparison of anti-Parkinson and other drugs in inhibiting tremorine or oxotremorine tremor.

I. E. Bush (introduced by **R. Schneider**) (*Department of Physiology and Medical Research Council Unit for Research on the Chemical Pathology of Mental Disorders, The Medical School, Birmingham 15*).

Systematic chromatography of pharmacologically active lipids.

O. L. Abrahams and **D. F. Hawkins** (*Institute of Obstetrics and Gynaecology of the University of London, Hammersmith Hospital, London, W.12*).

Lipid-soluble uterine muscle stimulants from human amniotic fluid.

A. N. Worden and **K. Harper** (introduced by **W. A. Broom**) (*Huntingdon Research Centre*).

The screening of drugs for teratogenic activity.

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A. P. Silverman (introduced by **M. R. A. Chance**) (*Ethology Laboratory, Uffculme Clinic, Birmingham*).

Chlorpromazine, amylobarbitone sodium, and the social behaviour of male laboratory rats.

Margaret H. Warwick and R. E. Lister (*J. F. Macfarlan Ltd., Edinburgh, 11*).

Observations of behavioural changes induced in the gerbil (*Meriones libycus*) by centrally acting drugs.

R. C. Elliott (introduced by **J. P. Quilliam**) (*Department of Pharmacology, St. Bartholomew's Hospital Medical College, London, E.C.1*).

Centrally-active drugs and the medullary vasopressor response in cats.

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

Effects of drugs on the release of oxytocic substances from the cerebral cortex.

J. B. Roberts, B. H. Thomas and A. Wilson (*Department of Pharmacology and General Therapeutics, University of Liverpool*).

Investigation of the fate of ^{14}C labelled neostigmine.

F. W. G. Wolff and L. F. Prescott (*Division of Clinical Pharmacology, Johns Hopkins University School of Medicine, Baltimore, Md., U.S.A.*).

The acute and subacute effects of tolbutamide on benzothiadiazine-induced hyperglycaemia.

D. F. Biggs (introduced by **George Brownlee**) (*Department of Pharmacology, King's College, Strand, London, W.C.2*).

The nature of the slow contraction of the rectus muscle of the frog to neostigmine or 3-hydroxyphenyltrimethylammonium.

M. G. Tweeddale (introduced by **George Brownlee**) (*Department of Pharmacology, King's College, Strand, London, W.C.2*).

The responses to drugs and electrical stimulation of the circular muscle strip from the small intestine of the rabbit.

R. Schneider (*Department of Medical Biochemistry and Pharmacology, Medical School, University of Birmingham*).

Further observations on the peristaltic reflex.

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

Does the action of 5-hydroxytryptamine on the isolated ileum of the guinea-pig involve an independent nerve pathway?

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

The myogenic inherent tone of the guinea-pig tracheal muscle.

M. C. Sutter (introduced by **A. S. V. Burgen**) (*Department of Pharmacology, Cambridge University*).

Pharmacological properties of an isolated vein preparation.

B. V. Robinson and J. M. Robson (*Department of Pharmacology, Guy's Hospital Medical School, London, S.E.1*).

An anti-inflammatory substance produced at a site of inflammation.

Daphne Joyce and A. Summerfield (introduced by **C. R. B. Joyce**) (*Department of Psychology, Birkbeck College, London, W.C.1*).

Water intake in rats and the effect of 5-hydroxytryptophan.

R. A. Brown and G. B. West (*Department of Pharmacology, School of Pharmacy, University of London*).

Experiments with lysozyme, a naturally occurring antihistamine.

A. Bennett (introduced by **J. R. Vane**) (*Department of Surgery, King's College Hospital Medical School, London*).

The inactivation of histamine by guinea-pig and rat lung *in vitro*.

W. R. Keatinge (introduced by **Joan C. Mott**) (*Radcliffe Infirmary, University of Oxford*).

Effect of EM 313 (2-cyclohexylamine 2, 2-dimethylethyl guanidine sulphate) on membrane potential and tone of blood vessels.

A. A. Boulton and P. W. Ramwell (introduced by **R. Schneider**) (*Medical Research Council Unit for Research on the Chemical Pathology of Mental Disorders, The Medical School, Birmingham 15*).

Spasmolytic substances present in normal urine.

J. H. Burn (*Department of Pharmacology, Washington University, St. Louis, Mo., U.S.A.*).

The effect of calcium on the response to stimulation of postganglionic sympathetic fibres.

M. J. Rand and J. Wilson (*Department of Pharmacology, School of Pharmacy, University of London*).

Actions of some derivatives of guanidine at cholinergic and adrenergic junctions.

S. Vanov (introduced by **M. J. Rand**) (*Department of Pharmacology, School of Pharmacy, University of London*).

Pharmacology of rat's urinary bladder.

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

A comparison of pharmacological effects in cats treated chronically with guanethidine, methyl dopa and reserpine.

DEMONSTRATIONS

A. L. A. Boura, E. J. R. Harry and B. D. Lewis (*Pharmacology Laboratory, Reckitt & Sons Ltd., Hull*).

Automatic apparatus for recording duration of narcosis in mice.

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

The use of an infra-red CO₂ analyser for the assessment of metabolic activity of mice.

H. Schnieden, T. G. Scott, P. K. Thomas and Gillian M. Truslove (*Institute of Neurology, Queen Square, London, W.C.1. and Medical Research Council Group for Experimental Research in Inherited Diseases, University College, London, W.C.1*).

Some observations on genetic tremor.

D. J. Fishlock and A. G. Parks (introduced by **M. Weatherall**) (*London Hospital, London, E.1*).

Actions of nicotine on isolated human colon.

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E. Jean Cornish (introduced by **M. Weatherall**) (*Pharmacology Laboratory, May & Baker Ltd., Dagenham, and Department of Pharmacology, London Hospital Medical College, London, E.1*).

Sampling cerebrospinal fluid in rats.

M. J. Rand and **Anne Stafford** (*Departments of Pharmacology, School of Pharmacy and London Hospital Medical College, University of London*).

Responses of oesophageal preparations from various species to stimulation of the vagus nerves.

S. Huković, M. J. Rand and **S. Vanov** (*Institute of Pharmacology, Faculty of Medicine, University of Sarajevo, and Department of Pharmacology, School of Pharmacy, University of London*).

Rat urinary bladder, isolated and *in situ*.

W. H. G. Richards (introduced by **L. G. Goodwin**) (*Wellcome Laboratories of Tropical Medicine, London*).

Pharmacologically active substances in blood and tissues of mice infected with *Trypanosoma brucei*.

D. R. Maxwell, Helen T. Palmer and **R. W. Ryall** (*May and Baker Ltd., Dagenham, Essex*).

Some interesting central actions of a new phenyl piperazine compound.

D. R. Maxwell and **J. M. McLusky** (*May & Baker Ltd., Dagenham, Essex*).

Effect of drugs on the blood pressure of the conscious rabbit or dog.

J. Hill and **Margaret A. Rust** (introduced by **R. Wien**) (*May & Baker Ltd., Dagenham, Essex*).

Stages in the development of compounds for trial in schistosomiasis.

Rosemarie Biggs and **R. Wien** (*May & Baker Ltd., Dagenham, Essex*).

Species difference in the muscle relaxant properties of a *bis*-quarternary steroid.

J. D. Gasking (introduced by **R. Wien**) (*May & Baker Ltd., Dagenham, Essex*).

An instantaneous digital indicating heart ratemeter.

B. Large (introduced by **R. Wien**) (*May & Baker Ltd., Dagenham, Essex*).

Method for testing β -receptor blocking agents on the vas deferens-hypogastric nerve preparation of the guinea-pig.

B. Ingham (introduced by **R. Wien**) (*May & Baker Ltd., Dagenham, Essex*).

Visit to new animal breeding house.

T. W. G. Jones and **D. Salway** (introduced by **G. A. Poulter**) (*Nicholas Research Institute, Framewood Road, Wexham, Slough, Bucks.*).

A new method for monitoring blood pressure in the conscious rat.

J. H. Burn (*Department of Pharmacology, Washington University, St. Louis, Mo., U.S.A.*).

Mecamylamine and postganglionic sympathetic block.

A. Herxheimer and **M. B. Douglas** (*Department of Pharmacology, London Hospital Medical College, London, E.1*).

A new method for giving drugs to rats by mouth.