

## BRITISH PHARMACOLOGICAL SOCIETY

SUMMER MEETING, 16th to 18th JULY, 1959, AT THE  
DEPARTMENT OF PHARMACOLOGY, UNIVERSITY OF MANCHESTER

### COMMUNICATIONS

1. A. D. Forrest and K. Fotherby (introduced by C. R. B. Joyce) (*Department of Psychological Medicine and M.R.C. Endocrine Research Unit, Edinburgh*).

The effect of chlorpromazine on adrenocortical function in humans.

2. M. B. Gharpure (introduced by P. B. Marshall) (*Department of Pharmacology and Therapeutics, Queen's College, Dundee*).

Effect of optical isomerism on the antihistamine and anti-acetylcholine actions of some phenothiazines. (Precirculated.)

3. P. B. Marshall (*Department of Pharmacology and Therapeutics, Queen's College, Dundee*).

Effect of sex hormones and gonadectomy on the sex difference in histamine excretion in the rat. (Precirculated.)

4. L. G. Goodwin (*The Wellcome Laboratories of Tropical Medicine, London, N.W.1*).

Pharmacologically active substances in animals infected with *Babesia rodhaini*.

5. A. Nightingale and J. R. Trounce (*Department of Experimental Medicine, Guy's Hospital Medical School, London, S.E.1*).

Some observations on intestinal muscle in Hirschsprung's disease.

6. J. A. Hicklin (introduced by M. Weatherall) (*Department of Pharmacology, London Hospital Medical College, E.1*).

Action of salicylates on potassium fluxes in rat diaphragms.

7. M. I. Botros, E. Poulson and J. M. Robson (*Department of Pharmacology, Guy's Hospital Medical School, London, S.E.1*).

The effects of 5-hydroxytryptamine and iproniazid on sexual development and pregnancy.

8. W. D. M. Paton (*Department of Pharmacology, Royal College of Surgeons of England, London, W.C.1*).

A kinetic hypothesis for the action of stimulant drugs and their antagonists.

9. I. Khan, R. P. Stephenson and R. B. Barlow (*Pharmacological Laboratory, University of Edinburgh*).

Amine oxidase and the actions of tryptamine and 5-hydroxytryptamine on the rat fundus and the rat uterus.

10. P. F. D'Arcy, J. J. Grimshaw and R. W. Pickering (*Allen and Hanburys Ltd., Ware, Hertfordshire*).

The action of some neuromuscular blocking drugs and other agents on ciliary movement.

11. H. Blaschko and T. L. Chruściel (*Department of Pharmacology, Oxford*).

Enzymatic decarboxylation of amino-acids related to Dopa and their awakening action in mice.

12. G. E. Davies and J. S. Lowe (*Imperial Chemical Industries Ltd., Pharmaceuticals Division, Macclesfield, Cheshire*).

Permeability factors released from guinea-pig serum by antigen-antibody precipitates.

13. A. L. A. Boura and A. F. Green (*The Wellcome Research Laboratories, Beckenham, Kent*).

The pharmacological properties of bretylium (Darenthin), a new hypotensive agent.

14. A. L. A. Boura, A. F. Green and A. McCoubrey (*The Wellcome Research Laboratories, Beckenham, Kent*).

On the mode of action of bretylium (Darenthin).

15. Daphné Joyce (introduced by C. R. B. Joyce) (*Academic Unit in Neurology, Institute of Neurology, Queen Square, London, W.C.1*).

Changes in brain 5-hydroxytryptamine content after death.

16. C. R. B. Joyce (*Department of Pharmacology, The London Hospital Medical College, London, E.1*).

Predicting the reactions of individuals to drugs and dummies.

17. L. Golberg, L. E. Martin and P. Sheard (*Benger Laboratories Ltd., Holmes Chapel, Cheshire*).

Some aspects of the pharmacology of chymotrypsin powder administered by inhalation.

18. R. Hughes and L. Golberg (*Benger Laboratories Ltd., Holmes Chapel, Cheshire*).

Aspects of analgesic testing in laboratory animals.

19. L. C. Blaber and W. C. Bowman (introduced by G. A. H. Buttle) (*Department of Pharmacology, School of Pharmacy, London, W.C.1*).

The comparison between the effects of edrophonium (Tensilon) and choline in the skeletal muscles of the cat.

20. B. B. Newbould and R. Kilpatrick (*Department of Pharmacology and Therapeutics, University of Sheffield*).

The inhibitory effect of plasma proteins on the antibacterial activity of some new sulphonamides. (Precirculated.)

21. T. D. Whittet (introduced by Sir C. Lovatt Evans) (*University College Hospital, London, W.C.1*).

The unusual thermolability of the pyrogens of London tap water.

22. **J. H. Burn** and **M. J. Rand** (*Department of Pharmacology, Oxford*).

Effect of noradrenaline and related substances in restoring the action of tyramine in animals treated with reserpine.

23. **Elizabeth F. Marshall**, **G. S. Stirling**, **A. C. Tait** and **A. Todrick** (*introduced by J. J. Lewis*) (*Department of Clinical Research, Crichton Royal, Dumfries*).

The effect of iproniazid and imipramine on the blood 5-hydroxytryptamine in man.

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

The modification by adrenaline of the acetylcholine-induced contracture of the denervated rat tibialis muscle.

25. **P. S. Guth** (*introduced by J. H. Gaddum*) (*Institute of Animal Physiology, Babraham, Cambridge*).

A possible mode of action for chlorpromazine.

26. **J. M. van Rossum**, **E. J. Ariens** and **P. C. Koopman** (*introduced by J. H. Burn*) (*Pharmacologisch Laboratorium, R. K. Universiteit, Nijmegen*).

Intrinsic activity and spare receptors. Theoretical consideration and experimental proof of spare receptors. (Precirculated.)

#### DEMONSTRATIONS

The following Demonstrations were given in the University of Manchester.

1. **A. Hughes** and **R. S. Tonks** (*Department of Pharmacology, Welsh National School of Medicine, Cardiff*).

How cortisone prevents hypersensitivity carditis. (Precirculated.)

2. **L. Pirbos** and **G. F. Somers** (*Distillers Company (Biochemicals) Ltd., Speke, Liverpool, 24*).

Gastric ulcers in mice and rats.

3. **L. Golberg**, **L. E. Martin** and **A. Batchelor** (*Benger Laboratories Ltd., Holmes Chapel, Cheshire*).

Tissue enzyme changes in animals following excessive parenteral dosage with iron.

4. **P. A. Nasmyth** and **P. N. Cardew** (*Pharmacology Department and the Photographic Department, St. Mary's Hospital Medical School, London, W.2*).

Noradrenaline and adrenaline (film).

5. **R. E. C. Altounyan** and **G. Starmer** (*Department of Pharmacology, The University, Manchester*).

Testing of analgesics in man.

6. **T. H. B. Bedford** (*Department of Pharmacology, The University, Manchester*).

The effect of movement of the head and neck in the vertical plane on the lumbar and cisternal cerebrospinal fluid pressures in the dog.

7. **J. H. Burn** and **M. J. Rand** (*Department of Pharmacology, Oxford*).

The sympathetic postganglionic mechanism.

8. **J. H. Burn** and **P. J. Goodford** (*Department of Pharmacology, Oxford*).

Cardiac fibrillation in relation to duration of the action potential.

9. **H. Jackson** (*Christie Hospital and Holt Radium Institute, Manchester*).

Actions and fate of alkylating agents.

10. **J. D. P. Graham** and **M. R. Gurd** (*Department of Pharmacology, The Welsh National School of Medicine, Cardiff*).

Adrenaline receptor in the cat uterus.

The following Demonstrations were given by members of Staff of Imperial Chemical Industries Ltd., Pharmaceuticals Division, at Alderley Park, Macclesfield, Cheshire.

11. **G. W. Ash** and **D. G. Davey**.

The establishment of a colony of pathogen-free animals.

12. **A. R. Martin** (*introduced by A. Spinks*).

Griseofulvin: the systemic and local treatment of experimental dermatophytosis.

13. **J. Dee** (*introduced by J. Raventos*).

A new varnish for kymograph tracings.

14. **J. Raventos**.

A simple method for recording the contractions of the uterus of small animals *in situ*.

15. **J. Raventos**.

A small bath for the isolated diaphragm preparation of the rat.

16. **G. E. Davies**.

The use of Coomassie Blue to indicate areas of increased capillary permeability and carageenin granulomata in rats.

17. **J. M. Thorp**.

Coomassie Blue, a new dye for determination of cardiac output and diagnosis of cardiac defects.

18. **G. B. Horsfall** (*introduced by A. Spinks*).

A transistorized cardiometer.

19. **G. B. Horsfall** (*introduced by A. Spinks*).

Cumulative impulse recorders.