

BRITISH PHARMACOLOGICAL SOCIETY

WINTER MEETING, 9th to 10th JANUARY, 1959, AT THE
NATIONAL INSTITUTE FOR MEDICAL RESEARCH, MILL HILL, LONDON

COMMUNICATIONS

1. A. Spinks (*Imperial Chemical Industries Limited, Pharmaceuticals Division, Macclesfield, Cheshire*).

Effects of drugs on the twitch response of mice to solitary confinement.

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

Tryptamine and 5-hydroxytryptamine receptors in the rat fundus strip.

3. F. M. Sullivan and J. M. Robson (*Department of Pharmacology, Guy's Hospital Medical School, London, S.E.1*).

Interrelation between glucocorticoids and isoniazid in experimental tuberculosis.

4. E. Poulson, A. C. E. Wander and J. M. Robson (*Department of Pharmacology, Guy's Hospital Medical School, London, S.E.1*).

Antagonism of oestrogen induced growth by 6-diazo-5-oxo-norleucine (DON).

5. D. R. Laurence and R. A. Webster (*Pharmacological Laboratory, University College, London, W.C.1*).

Phenothiazine tachyphylaxis in tetanus.

6. M. W. Smith and M. Ginsburg (*Department of Pharmacology, University of Bristol*).

The fate of oxytocin and oxytocin analogues.

7. F. Hobbiger (*Department of Pharmacology, Middlesex Hospital Medical School, London, W.1*).

New oximes for the treatment and prevention of organophosphate poisoning.

8. F. Stothers, F. McL. Carey and J. J. Lewis (*Department of Materia Medica and Therapeutics, The University, Glasgow*).

The effects of variation of the interquaternary distances and alkyl group size on some quaternary ammonium derivatives with muscle relaxant properties.

9. M. Horlington and Mary F. Lockett (*Department of Physiology and Pharmacology, Chelsea College of Science and Technology, London, S.W.3*).

Antagonism by morphine and pethidine of the analgesic actions of normorphine and norpethidine when these drugs are injected intracisternally into mice.

10. P. A. Nasmyth and W. H. H. Andrews (*Department of Pharmacology, St. Mary's Hospital Medical School, Paddington, London, W.2*).

Block by cocaine of the effect of choline 2 : 6 xylyl ether bromide (T.M.10) on the sympathetic nervous system.

11. E. Muscholl (*introduced by Marthe Vogt*) (*Department of Pharmacology, Mainz*).

The effect of drugs on the catecholamines of the heart.

12. W. A. M. Duncan and J. Raventós (*Imperial Chemical Industries Limited, Pharmaceuticals Division, Macclesfield, Cheshire*).

Pharmacodynamics of halothane.

13. H. W. Kosterlitz and D. W. Taylor (*Physiology Department, University of Aberdeen*).

The effect of morphine on vagal inhibition of the heart.

14. Marta Weinstock, H. C. Stewart and K. R. Butterworth (*Department of Pharmacology, St. Mary's Hospital Medical School, Paddington, London, W.2*).

Some observations on the mechanism of drug-induced lenticular opacities.

15. G. F. Somers (*The Distillers Company (Biochemicals) Limited, Speke, Liverpool, 24*).

The pharmacological properties of thalidomide.

16. D. M. Brown and J. G. Bainbridge (*introduced by C. A. Keele*) (*Beecham Research Laboratories Limited, Betchworth, Surrey*).

Ganglionic blocking activity of anti-acetylcholine drugs.

17. R. S. H. Finney, A. L. Tarnoky and J. H. Wilkinson (*Department of Biology, Leicester College of Technology and Commerce*).

The sodium salt of glycyrrhetic acid dihydrogen succinate.

18. G. V. R. Born and Janet Bricknell (*The Nuffield Institute for Medical Research, Oxford*).

Uptake of 5-hydroxytryptamine by *Taenia coli* of the guinea-pig.

19. H. P. Rang (*introduced by H. O. Schild*) (*Pharmacological Laboratory, University College, London, W.C.1*).

Unspecific drug action.

20. A. C. Frazer, R. F. Fletcher, H. G. Sammons, B. Shaw and R. Schneider (*Department of Medical Biochemistry and Pharmacology, The Medical School, Birmingham, 15*).

Studies on the enteropathy caused by wheat gluten.

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

Studies on the effect of wheat gluten fractions on motility in isolated intestinal preparations.

22. **D. A. Brown, B. N. C. Prichard and J. P. Quilliam** (*Department of Pharmacology, The Medical College of St. Bartholomew's Hospital, London, E.C.1*).

Actions of staphylococcal α -toxin on gut.

23. **E. Bülbring, G. Burnstock and E. Gill** (*Department of Pharmacology, Oxford*).

Membrane potential changes associated with tachyphylaxis and with potentiation of drug effects in smooth muscle.

24. **D. S. Munro** (*introduced by G. M. Wilson*) (*Department of Pharmacology and Therapeutics, The University, Sheffield, 10*).

Effect of various human sera on the discharge of radioiodine from the mouse thyroid.

25. **B. B. Newbould and R. Kilpatrick** (*introduced by G. M. Wilson*) (*Department of Pharmacology and Therapeutics, The University, Sheffield, 10*).

Observations on some long-acting sulphonamides.

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

The effects of temperature on electrical stimulation and drug action on the isolated denervated rat diaphragm.

27. **H. Remmer** (*introduced by G. A. H. Buttle*) (*Berlin*).

The acceleration of breakdown of drugs by microsomes under the influence of barbiturates.

28. **E. Horton** (*introduced by W. Feldberg*) (*National Institute for Medical Research, London, N.W.7*).

The presence in human urine of a substance relaxing the rat uterus.

29. **W. Feldberg and B. Kovacs** (*National Institute for Medical Research, London, N.W.7*).

Reduced histamine sensitivity of the guinea-pig ileum after intraperitoneal or subcutaneous injection of extracts prepared from the white blood cell layer.

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

The effects of metallic edetates on the growth and blood formation of rats.

31. **S. E. Smith** (*introduced by R. S. Stacey*) (*Department of Pharmacology and Therapeutics, St. Thomas's Hospital Medical School, London, S.E.1*).

The sensitivity of isolated intestine following reserpine.

32. **M. K. Paasonen** (*introduced by P. B. Dews*) (*Department of Pharmacology, University of Helsinki, Finland*).

Increase of 5-hydroxytryptamine in the rat brain by raunesine.

33. **R. Fielden** (*introduced by G. A. Mogey*) (*Department of Pharmacology, The School of Medicine, Leeds, 2*).

An unusual cat disease? (*Including two-minute film*.)

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

Supersensitivity of the iris and the spleen to noradrenaline after sympathetic degeneration.

35. **P. J. Goodford and H. R. Ing** (*Department of Pharmacology, Oxford*).

The pharmacology of the ethanesulphonate anion.

DEMONSTRATIONS

1. **D. M. Lindsay, L. Sinclair and J. M. Robson** (*Department of Pharmacology, Guy's Hospital Medical School, London, S.E.1*).

A technique for the instillation of drugs into the cerebral ventricles of the conscious mouse.

2. **S. M. Holland, G. Pennington, J. Roberts and G. F. Somers** (*The Distillers Company (Biochemicals) Limited, Speke, Liverpool, 24*).

Blood and urine levels following intramuscular administration of potassium phenoxymethylpenicillin.

3. **E. Crabbe and G. F. Somers** (*The Distillers Company (Biochemicals) Limited, Speke, Liverpool, 24*).

An automatic rabbit cage.

4. **S. S. Adams and B. V. Heathcote** (*Boots Pure Drug Company Limited, Biology Division, West Bridgford, Notts*).

The effect of various sulphated polysaccharides on bone growth in the rabbit.

5. **E. Horton** (*introduced by W. Feldberg*) (*National Institute for Medical Research, London, N.W.7*).

The use of the uterus and duodenum of the rat for the estimation of kinins.

6. **K. Fleischhauer and F. K. Ohnesorge** (*introduced by W. Feldberg*) (*National Institute for Medical Research, London, N.W.7*).

Central actions and selective staining of certain areas of the brain by dithizone.

7. **M. Draskoci, W. Feldberg, K. Fleischhauer and P. S. R. K. Haranath** (*National Institute for Medical Research, London, N.W.7*).

Absorption of histamine from the cerebral ventricles.

8. **M. Draskoci and P. S. R. K. Haranath** (*introduced by W. Feldberg*) (*National Institute for Medical Research, London, N.W.7*).

Potentiation of the acetylcholine contraction of the rat uterus by minute doses of 5-hydroxytryptamine.

9. **J. H. Burn, E. H. Leach, M. J. Rand and J. W. Thompson** (*Departments of Pharmacology and Physiology, University of Oxford, and the Department of Pharmacology, Royal College of Surgeons*).

Peripheral effects of nicotine and acetylcholine probably exerted on chromaffin tissue in (a) the rabbit ear (vasoconstriction), (b) the cat's nictitating membrane (contraction), (c) the cat's tail (pilomotor response).

10. **C. A. Joslin** (*introduced by J. B. E. Baker*) (*Department of Pharmacology, Charing Cross Hospital Medical School*).

A transistorized stimulator.