

about the relation of chemical structure to pharmacological activity, are discussed.

The experimental work was possible only because Dr. R. B. Barlow undertook the synthesis of the alkyl trimethylammonium salts. I am very grateful.

Some of the material in this paper was discussed at meetings of the British Pharmacological Society in July, 1952, and January, 1954, and at the XIX International Physiological Congress (Stephenson, 1953).

REFERENCES

- Ariëns, E. J., and Groot, W. M. de (1954). *Arch. int. Pharmacodyn.*, **99**, 193.
- Boura, A., Mongar, J. L., and Schild, H. O. (1954). *Brit. J. Pharmacol.*, **9**, 24.
- Clark, A. J. (1926). *J. Physiol.*, **61**, 530.
- (1927). *Ibid.*, **64**, 123.
- (1937a). In Heffter, *Handbuch der experimentellen Pharmakologie, Ergänzungswerk*, Bd. 4. Berlin: Springer.
- (1937b). *Ibid.*, p. 73.
- (1937c). *Ibid.*, p. 193.
- Clark, A. J., and Raventós, J. (1937). *Quart. J. exp. Physiol.*, **26**, 375.
- Ford Moore, A. H., and Ing, H. R. (1945). *J. chem. Soc.*, 55.
- Furchgott, R. F. (1954). *J. Pharmacol.*, **111**, 265.
- and Bhadrakom, S. (1953). *Ibid.*, **108**, 129.
- Gaddum, J. H. (1926). *J. Physiol.*, **61**, 7P.
- (1937). *Ibid.*, **89**, 144.
- Hameed, K. A., Hathway, D. E., and Stephens, F. F. (1955). *Quart. J. exp. Physiol.*, **40**, 49.
- Holton, P., and Ing, H. R. (1949). *Brit. J. Pharmacol.*, **4**, 190.
- Langley, J. N. (1878). *J. Physiol.*, **1**, 339.
- (1905). *Ibid.*, **33**, 374.
- Nickerson, M. (1949a). *Pharmacol. Rev.*, **1**, 27.
- (1949b). *Ibid.*, **1**, pp. 39 and 40.
- Raventós, J. (1937a). *Quart. J. exp. Physiol.*, **26**, 361.
- (1937b). *Ibid.*, **27**, 99.
- Reuse, J. J. (1948). *Brit. J. Pharmacol.*, **3**, 174.
- Schild, H. O. (1947). *Ibid.*, **2**, 189.
- Stephenson, R. P. (1953). *Abstracts of Communications, XIX International Physiological Congress*, p. 801.
- Van Maanen, E. F. (1950). *J. Pharmacol.*, **99**, 255.
- Webb, J. L. (1950). *Brit. J. Pharmacol.*, **5**, 335.
- Welsh, J. H. (1948). *Bull. Johns Hopk. Hosp.*, **83**, 568.

ERRATA

In the paper by R. P. Stephenson in the December, 1956, issue (Vol. 11, NO. 4) certain errors occurred. They are given below together with corrected version.

Page 384, second column:

Line 38 for $R=f(S_2)$

read $R_2=f(S_2)$

Line 44 for $S_1=e_a x$

read $S_1=e_p x$

Line 53 for $e_a K_a A_1(1-x)$

read $e_a K_a A_3(1-x)$