

Clinical Medicine Research.—Annual report received from Dr. K. S. Alstad.

Publications :—

- (a) "Hypertension in New Zealand" (K. S. Alstad and F. H. Smirk). *N.Z. Med. J.*, **260**, 298-308 (1948).
- (b) "R-Waves and T-Waves" (F. H. Smirk). *Br. Heart Journal XI*, No. 1 (1949).
- (c) "Circulatory Properties of Amidine Derivatives I: Pressor analysis of methyl *iso*-thiourea" (F. N. Fastier). *Br. J. Pharm.*, **3**, 198-204 (1948).
- (d) "Circulatory Properties of Amidine Derivatives II: Potentiation of the Vasoconstrictor Action of Adrenaline" (F. N. Fastier and C. S. W. Reid). *Br. J. Pharm.*, **3**, 205-210 (1948).
- (e) "Constant Flow" Organ Bath Techniques" (F. N. Fastier and C. S. W. Reid). *Br. J. Pharm.*, **4**, 190-110 (1949).
- (f) "Some Properties of Amarin, With Special Reference to Its Use in Conjunction with Adrenaline for the Production of Idio-Ventricular Rhythms" (F. N. Fastier and F. H. Smirk). *J. Physiol.*, **107**, 318-331 (1948).
- (g) "The Variation of Casual, Basal, and Supplemental Blood Pressures in Health and in Essential Hypertensions" (J. A. Kilpatrick). *Br. Heart J.*, **10**, 48-56 (1948).

Accepted for publication :—

- (h) "Effect of Thiocyanate on Basal and Supplemental Blood Pressures" (K. S. Alstad). *Br. Heart J.*
- (i) "Physiotherapy in the Treatment of Cardiac Disease" (K. S. Alstad). *N.Z. Jnl. of Physiotherapy*.
- (j) "Histological Studies and Perfusion Experiments on Hypertensive Rats" (P. A. Restall). *Br. Med. J.*
- (k) "Symposium on Hypertensive Disease" (F. H. Smirk). *Br. Med. J.*

Neuropathology and Neurophysiology Research.—Annual report received from Professor J. C. Eccles.

Publications :—

- (a) "Plain Radiography in Lumbar Intervertebral Disk Lesions" (A. C. Begg and M. A. Falconer). *Br. J. Surg.*, Jan., 1949.
- (b) "Actions of Anticholinesterases on Endplate Potential of Frog Muscle" (J. C. Eccles and W. V. Macfarlane). *J. Neurophys.*, Vol. **12**, 59-80.

Submitted for publication :—

- (c) "Effects of Changes in Ionic Environment on the Action Potential of a Sympathetic Ganglion" (J. W. Saunders and J. D. Sinclair). Accepted by *J. Neurophys.*
- (d) "Electric Potentials Generated by Antidromic Volleys in the Quadriceps and Hamstring Motoneurons" (T. H. Barakan, C. B. B. Downman, and J. C. Eccles). Accepted by *J. Neurophys.*
- (e) "A Review and Restatement of the Electrical Hypotheses of Synaptic Inhibitory and Excitatory Action" (J. C. Eccles). Contribution to Internat. Cong. of Neurophys., Paris, April, 1949.
- (f) "Afterpotentials and Excitability of Spinal Motoneurons Following Antidromic Activation" (C. McC. Brooks, C. B. B. Downman, and J. C. Eccles). Forwarded to *J. Neurophys.*