

The distribution of HT differed from that of ACh in that HT was found in all fractions with a peak in *H*. Dummy runs with free HT showed that this small molecule diffused throughout the density gradient in 2 hr. HT is known to be less firmly bound than ACh<sup>5</sup>, and the presence of HT throughout the gradient probably represents diffusion of free HT from a binding site in *H*.

The water supernatant from which the fractions were prepared corresponds to the combined *M*<sub>2</sub> and *M*<sub>3</sub> fractions of De Robertis *et al.*<sup>12</sup> In electron micrographs of this fraction areas were sometimes found containing free SVs relatively uncontaminated by disrupted NEPs and other components, but all the particles listed in Table 1 could be readily identified in adjacent areas.

A full account of this work is in course of preparation.

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#### REFERENCES

1. E. G. GRAY and V. P. WHITTAKER, *J. Physiol.* **153**, 35P (1960).
2. V. P. WHITTAKER, *Proc. IV Int. Neurochem. Symp. Varenna, June 12-17 (1960)*. In *Regional Neurochemistry*, ed. S. S. KETY and J. ELKES, Pergamon Press, Oxford, 1962.
3. E. G. GRAY and V. P. WHITTAKER, *J. Anat. (Lond.)*, **96**, 79 (1962).
4. C. O. HEBB and V. P. WHITTAKER, *J. Physiol.*, **142**, 187 (1958).
5. V. P. WHITTAKER, *Biochem. J.* **72**, 694 (1959).
6. I. A. MICHAELSON and V. P. WHITTAKER, *Biochem. Pharmacol.* **11**, 505 (1962).
7. M. K. JOHNSON and V. P. WHITTAKER, *Abstr. Int. Neurochem. Symp. on Enzyme Activity of the Central Nervous System, Göteborg, June 17-21 1962*, p.60.
8. M. K. JOHNSON and V. P. WHITTAKER, *Biochem. J.* Submitted for publication.
9. E. P. D. DE ROBERTIS and H. S. BENNETT, *J. biophys. biochem. Cyt.* **1**, 47 (1955).
10. J. DEL CASTILLO and B. KATZ, *J. Physiol.* **128**, 396 (1955).
11. R. W. HORNE and V. P. WHITTAKER, *Z. Zellforsch.* **58**, 1 (1962).
12. E. DI ROBERTIS, G. R. DE ARNAIZ and A. P. DE IRALDI, *Nature, (Lond.)* **194**, 794 (1962).
13. J. F. BERRY and V. P. WHITTAKER, *Biochem. J.* **73**, 447 (1959).
14. J. C. SZERB, *J. Physiol.* **158**, 8P (1961).

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#### ERRATUM

F. SALVATORE, V. BOCCHINI and F. CIMINO, Ammonia intoxication and its effects on brain and blood ammonia levels, **12** (1963) page 5, line 15 Text reference 12 should be 21.