

CHEMISTRY OF ANTI-PERNICIOUS ANÆMIA FACTORS. PART XI

4. Spectroscopic evidence for the existence of mixed benziminazolocyanide cobaltichromes has been obtained.

5. The bearing of these results on the structure of cyanocobalamin is discussed.

The authors thank Mr. G. Cooley, B.Sc., for assistance with the paper chromatographic work and the Directors of The British Drug Houses Ltd., for permission to publish this work.

REFERENCES

1. Ellis, Petrow and Snook, *J. Pharm. Pharmacol.*, 1949, **1**, 60.
2. Lemberg, *Aust. J. exp. Biol. med. Sci.*, 1942, **20**, 111.
3. Beaven, Holiday, Johnson, Ellis and Petrow, *J. Pharm. Pharmacol.*, 1950, **2**, 944.
4. Davies, Mamalis, Petrow and Sturgeon, *ibid.*, 1951, **3**, 420.
5. Davies, Mamalis, Petrow, Sturgeon, Beaven, Holiday and Johnson, *ibid.*, 1952, **4**, 448.
6. cf. Hodgkin, Porter and Spiller, *Proc. roy. Soc.*, 1950, **136B**, 609.
7. Brink, Kuehl and Folkers, *Science*, 1950, **112**, 354.
8. Laidlaw, *J. Physiol.*, 1904, **31**, 464.
9. Holden, *Aust. J. exp. Biol. med. Sci.*, 1941, **19**, 89.
10. Hamsik, *Z. physiol. Chem.*, 1930, **190**, 199.
11. Hill, *Biochem. J.*, 1925, **19**, 241.
12. Lemberg, *Aust. J. exp. Biol. med. Sci.*, 1943, **21**, 239.
13. Fischer and Müller, *Liebigs Annalen*, 1937, **528**, 1.
14. Fischer and Pützer, *Z. physiol. Chem.*, 1926, **154**, 39.
15. Taylor, *J. biol. Chem.*, 1940, **135**, 570.
16. Lemberg and Legge, *Hematin Compounds and Bile Pigments*, Interscience, New York, 1949, p. 188.
17. Keilin, *Biochem. J.*, 1949, **45**, 440.
18. Drabkin, *J. biol. Chem.*, 1942, **146**, 605.
19. Hirsch, doctoral dissertation, Heidelberg, 1934; also Cowgill and Clark, *ibid.*, 1952, **198**, 55.
20. Keilin, *Biochem. J.*, 1943, **37**, 281.
21. Mamalis, Petrow and Sturgeon, *J. Pharm. Pharmacol.*, 1950, **2**, 512.
22. Cooley, Ellis, Mamalis, Petrow and Sturgeon, *ibid.*, 1950, **2**, 579.
23. Mamalis, Petrow and Sturgeon, *ibid.*, 1950, **2**, 503.
24. Grinstein, *J. biol. Chem.*, 1947, **167**, 515.
25. Shriner and Adams, *J. Amer. chem. Soc.*, 1924, **46**, 1683.
26. Willstätter and Stoll, *Investigations on Chlorophyll*, trans. by Scherz and Merz, The Science Press Printing Co., 1928, p. 233.

Correction.

THE VOLUMETRIC DETERMINATION OF THIOURACIL AND CERTAIN HOMOLOGUES

BY C. F. ABBOTT.

This Journal, 1953, **5**, 53.

On page 55, last paragraph, *beginning*:—Starch does not interfere . . . *should read*:—In the determinations of thiouracil, starch does not interfere. . . .

On page 56, paragraph *beginning*:—The B.P. method in this case appears . . . *should read*:—The B.P. method for methylthiouracil appears. . . .

On page 56, paragraph *beginning*:—Starch does not appear to affect the results . . . *should read*:—Starch does not appear to affect the results of the propylthiouracil determinations. . . .