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SOME FURTHER OBSERVATIONS ON THE TSETSE-FLY, DESCRIBED IN THESE ANNALS AS *GLOSSINA GROSSA*, ETC.

BY

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I have recently ascertained that Bigot's type of *Glossina grossa* is preserved in the British Museum (Natural History) at South Kensington, and that it is morphologically distinct from the tsetse-fly which I described under this name in December, 1910.

Had I known at the time that the type was available, I should have taken steps to have verified my conclusions, and thereby have avoided the confusion in the synonymy of this insect. Now that I have had an opportunity of examining Bigot's type, I have no hesitation in stating that my examples are specifically distinct, and the name *nigrofusca* which I suggested must now be adopted, the synonymy of which is appended below:—

Glossina nigrofusca, Newstead. *Annals of Tropical Medicine and Parasitology*, Vol. IV, 3, pp. 370, 373, 1910.

Glossina grossa, Newstead (*nec* Bigot). *Annals of Tropical Medicine and Parasitology*, Vol. IV, 3, p. 373, 1910.

The distinguishing characters of this insect are that the terminal segment of the antenna is much more strongly recurved at the tip than in *G. grossa*; it is also clothed with much longer hairs; the thoracic markings are more sharply and clearly defined, and the general colour of the insect is darker than in any other species of the *fusca* group.

Glossina palpalis, var. *wellmani*, Austen.

Mr. E. E. Austen has very kindly afforded me the opportunity of examining a para-type male of this variety of *G. palpalis*, and I find that the morphological characters of the armature are specifically the same as in *G. palpalis*. The example in question bears the following data:—'Katumbela River, Benguela, Angola, November, 1904, Dr. F. C. Wellman. 1906. 139.'