

Mr. Stevens also communicated the following by Mr. A. B. Wallace—

*Note on the Sexual Differences in the Genus Lomaptera.*

"Lacaze de Pele says in his 'Genere' that the Lomaptera offer no sexual distinctions, except slight variations in the legs; and in the generic character he adds 'the fore legs are three-toothed in both sexes or in the females only.' In four species of the genus which I have recently taken in the Gilbert group of islands, I have, however, observed very strongly marked sexual differences, and I have had the good fortune to confirm them by capturing pairs of two species in copula. These differences are as follows:—

"1st. The males have always a distinct longitudinal furrow or depression on the under side of the abdomen, which in the females is quite smooth or creased.

"2nd. The males have one tooth less than the females on the outside of the anterior tibia. In the two larger species the males have two and the females three teeth; in the two smaller species the males have but one (terminal) tooth, the females two teeth.

"3rd. The pygidium in the males is simple, with the extremity somewhat obtuse. In the females it terminates in a sharp reflexed edge, and in the two smaller species is swollen and compressed above and very concave beneath, while in the males it is a simple oval cone equally rounded above and below.

"It is probable that these characters exist in all the species of the genus, and may enable persons possessing series of Lomaptera to pair their specimens. I may here remark that the species of this genus are very closely allied, and at the same time very limited in their range. In Ternate and Gilolo, and in Kaito and Hanchina,—islands only ten or fifteen miles apart,—are found distinct but closely allied species, differing so slightly (although consistently) that they would be infallibly considered as very trifling varieties, if single specimens of each only were examined. Differences of colour exist in specimens from the same locality; while minute differences of form and sculpture mark these representative species of adjoining islands."

Mr. Olyne read descriptions of some new species of *Lema*.

Mr. Stalton read 'Description of South-African *Tineas* collected by R. Trimen, Esq., in 1858—59.'

Mr. Tegtmeier announced the death, on the 31st ult., of Dr. Edward Heman, of Hartford, one of the original Members of this Society, and author of that well-known work, 'The Honey Bee,' at the advanced age of 80 years.