

valve in the Noctuidæ, while perhaps not absolutely identical with the *Harpe* as defined by Gosse, and which is typical in Papilionidæ and Sphingidæ, can, in our opinion, be designated by the same term, without risk of confusion; whether the term could be safely employed for the "basal process" of Scudder, as seen in many *Hesperidæ*, is rather doubtful.

Pierce has applied various terms to the different portions of the valve and its armature; these may be retained, but must probably be restricted in their use to the Noctuidæ, owing to the difficulty of applying them correctly in the other lepidopterous families. We would refer readers to the work in question for a full list of these terms.

Pierce's use of *Uncus* and *Scaphium* appears to be correct; he is wrong, however, in stating that the anal opening is ventral to the *Scaphium*; as shown by Zander it clearly passes between these two appendages of the XIII segment. The *Subscaphium* of Pierce, defined as a similar process to the *Scaphium*, but below the anus, is probably but a portion of the latter.

The Ringwall of Zander is termed *Juxta* by Pierce; like most other authors he has fallen into the error of considering the blind pouch containing the retractory muscle to be the end of the Penis, which thus appears to receive the seminal duct through a lateral opening. His *Ædoeagus* is but the strongly chitinized distal end of the Penis proper, and his *Vesica* the Ductus ejaculatorius which, as previously stated, is eversible.

In conclusion, we summarize the results of the above paper, and present the following list of terms for the more important portions, which we would recommend for general use:

*Valves* or *Clasps*.—(= Harpes of Smith and Pierce). The two lateral outer appendages.

*Harpe*.—(= Clasper of Smith and Pierce). Inner hook-like armature of Valve, arising from or near base of same.

*Uncus*.—Hook-like dorsal appendage of XIII segment.

*Scaphium*.—Process arising immediately ventral to *Uncus* and anal opening.

*Ring-wall*, *Penis funnel* or *Juxta*.—Chitinous cone at the base of the valves from which the Penis protrudes.

*Penis*.—A strongly chitinized rod-like structure projecting from the Penis funnel. (This is strictly speaking only the distal end of the organ, but for descriptive purposes all that need be considered).