

## ADDITIONS TO AGRILUS BIBLIOGRAPHY.

BY C. A. FROST AND H. B. WEISS,  
New Brunswick, N. J.

The following references were inadvertently omitted from the bibliography published in this journal September and October, 1920.

**A. subtropicus** Schaeffer.

Schaeffer, Sci. Bul. Mus. Brook. Inst., vol. I, p. 131, 1905.

Collected on *Momisio pallida* (Schaeffer).

**A. huachucae** Schaeffer.

Schaeffer, Sci. Bul. Mus. Brook. Inst., vol. I, p. 150, 1905.

On oak (Schaeffer).

**A. dolli** Schaeffer.

Schaeffer, Jour. N. Y. Ent. Soc., vol. XII, p. 210.

Taken from branches of *Acacia flexicaulis* (Schaeffer).

**A. quercus** Schaeffer.

Schaeffer, Sci. Bul. Mus. Brook. Inst., vol. I, p. 150, 1905.

On oak (Schaeffer).

## CORRECTION OF A STATEMENT CONCERNING THE TERMINAL ABDOMINAL STRUCTURES OF MALE INSECTS.

BY G. C. CRAMPTON, PH. D.  
Massachusetts Agricultural College, Amherst, Mass.

The statement that the gonopods (outer claspers, representing modified styli) of male insects probably represent the dorsal valvulae of the ovipositor of the female (Canadian Entomologist, LII, 1920, p. 180) is somewhat misleading, and should be corrected. The gonopods of the male probably represent the *styli* borne at the tips of the dorsal valvulae of the ovipositor of the immature females of certain roaches, phasmids, grylloblattids, etc., (or the adults of certain sawflies, Odonata, etc.), rather than the dorsal valvulae themselves, and it is, therefore, more exact to state that the gonopods of the male correspond to the valvular styles of the female insect. The dorsal valvulae of the ovipositor of the female insect are probably modified "coxites" (ovicoxites) corresponding to the "coxites" of the gonopods (gonocoxites) of the male insect, and the gonopods and styli doubtless represent exopodites, while the penis valves and inner valvulae of the ovipositor probably represent endopodites of a pair of limbs whose basal segments are represented by the ovicoxites in the female (dorsal valvulae) or the gonocoxites in the male insect.

It is possible that the penis valves of male ephemerids, sawflies, etc., (i. e., the endopodites of a modified limb) do not strictly correspond to the phallic lobes of male roaches, etc., since the latter may represent merely outgrowths of the intersegmental membrane between the ninth and tenth sternal regions. Furthermore, it is quite possible that the so-called surhami or hook-like processes of the parapodial plates of certain roaches are merely modified processes of the tenth tergite, which have become secondarily united with the parapodial plates. This, and several other points of a similar nature, will be discussed more at length in a later paper.

---

Mailed April 4th, 1921