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***AGNETINA KRYZHANOVSKII*, A NEW STONEFLY FROM YUNNAN,
CHINA (PLECOPTERA: PERLIDAE)**

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Abstract - *Agneta kryzhanovskii*, a new stonefly species from Yunnan, China, is described from male, female and egg specimens. A holotype male is designated and a comparative diagnosis for regional *Agneta* is presented.

Izveček - *AGNETINA KRYZHANOVSKII*, NOVA VRSTA VRBNICE IZ JUNANA, KITAJSKA (PLECOPTERA: PERLIDAE)

Nova vrsta vrbnice *Agneta kryzhanovskii* iz kitajske province Junan je opisana na osnovi samca, samice in jajčeca. Podan je opis holotipa samca, pa tudi primerjava vrst rodu *Agneta* na tem območju.

Introduction

Recent studies (Zwick 1984; Stark 1986; Sivec, Stark and Uchida 1988; Stark and Sivec 1991) have served to make *Agneta* one of the better known genera of Holarctic-Oriental stoneflies. Nevertheless, many systematic problems remain, particularly among the Palearctic and Oriental faunas which we propose to address in more comprehensive future papers. In this study we call attention to an *Agneta* for which adequate associated material is now available. The holotype is deposited in the Zoological Institute, St. Petersburg, Russia.

Agnentina kryzhanovskii, new species

Figs. 1-5

Material: Holotype male, China: Yunnan province, Czindun, 2.6.1956, leg. O. Kryzhanovski; paratypes: same locality, 1 female 29.5.1956; 3 males 30.5.1956; 2 males, 1 female 31.5.1956; 1 male 1.6.1956; 2 males 2.6.1956; 2 males, 1 female 3.6.1956; 1 male, 1 female 5.6.1956; Gori, 15 km N Czindun, 1200 m, 1 male 31.5.1956; Czindun, Dunuzjafin, 1200 m, 1 female 28.5.1956, 3 males 2.6.1956.

Adult habitus: Head brown with darker area over ocelli; pronotum brown without banding. Fore and mid femora uniformly brown, hind femora in males pale brown in proximal half, slightly darker in distal half; females with hind femora more strikingly banded. Wing membrane pale brown except along costal margin and in a narrow band beyond cord; wing tips brown.

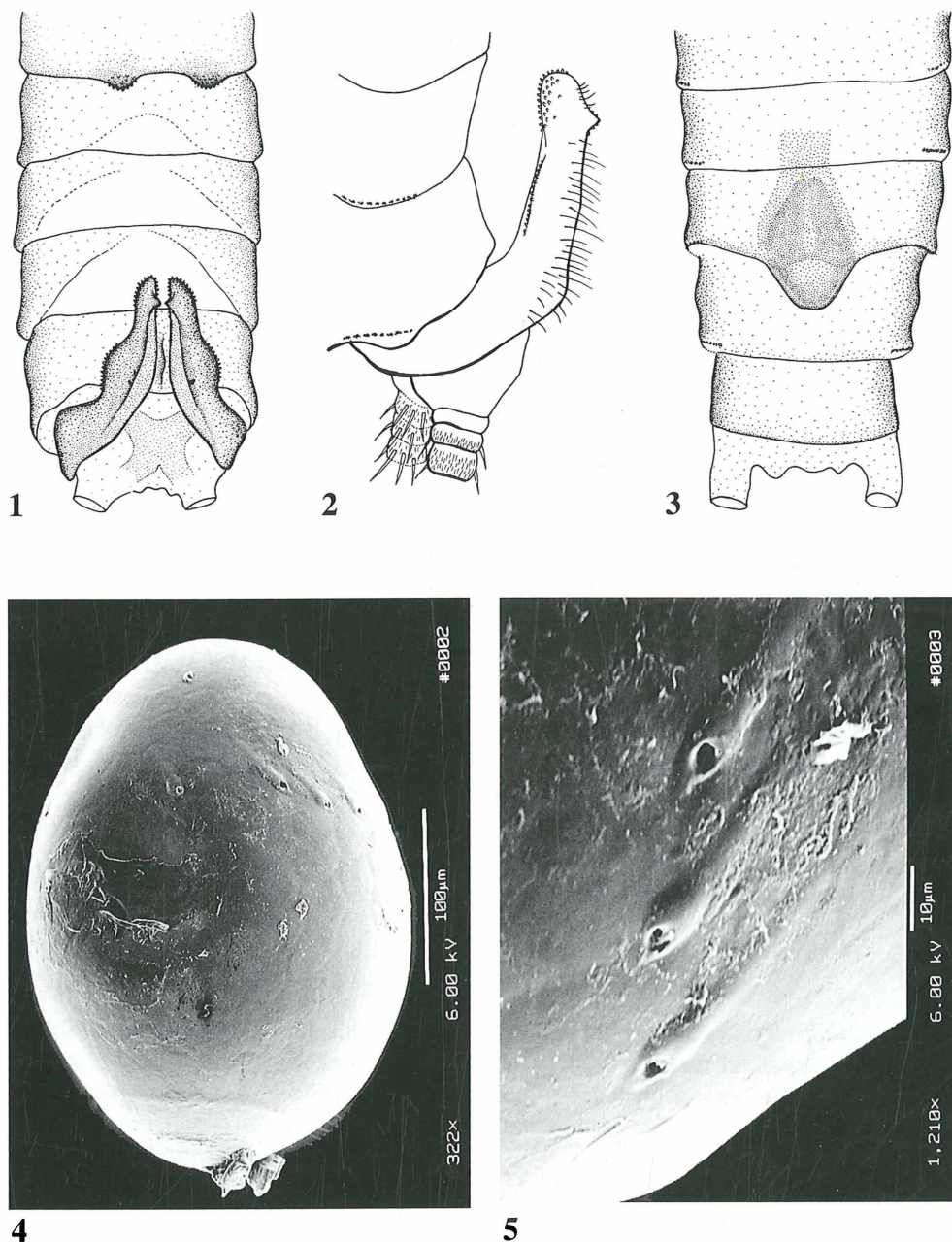
Male: Forewing length 13 mm. Hemiterga moderately long, extending over tergum (T) 8. Dorsal aspect of hemiterga sharply keeled and bearing large spinelike sensilla basiconica along ventrolateral margins and around apex (Fig.1). Lateral aspect of hemiterga with an enlarged subapical dorsal spine, sometimes accompanied by smaller spines; basal portion of hemiterga fringed with long, fine setae (Fig. 2). T5 broadly bilobed; lobes covered with sensilla basiconica. Small mesal membranous areas of T6-8 without sensilla basiconica, T9 with a slender, slightly keeled mesal sclerite. Epiproct sclerite prominent and X-shaped (Fig. 1).

Female: Forewing length 18 mm. Subgenital plate narrow, broadly triangular with apex rounded or slightly emarginate; plate uniformly pigmented (Fig. 3). Vaginal and accessory glands typical of genus.

Egg: Oval with low, indistinct buttonlike collar (Fig. 4). Chorion covered with shallow hexagonal follicle cell impressions. Micropyles subequatorial, orifices rather large, canals slanted (Fig. 5).

Etymology: Species is named after O. Kryzhanovski who had collected the material.

Diagnosis: Among known *Agnentina* only *A. jarai* Stark and Sivec (Stark and Sivec 1991) share the character of T5 being reduced to a bilobed, sensilla basiconica covered structure (Fig. 1). The hemitergal lobes are also distinct by virtue of the enlarged subapical spine (Fig. 2) and the ventrolateral row of sensilla basiconica (Fig. 1). Females differ from known Oriental *Agnentina* on the basis of the uniformly pigmented subgenital plate (Fig. 3). The wing banding pattern is similar to that in *A. quadrituberculata* (Wu) (Stark and Sivec 1991) but the species do not otherwise appear closely related.



Figs. 1-5: *Agnentina kryzhanovskii* sp.n.: abdominal tip of male: dorsal view (1), lateral view (2); abdominal tip of female (3); SEM of egg (4), micropyles of egg (5).

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