

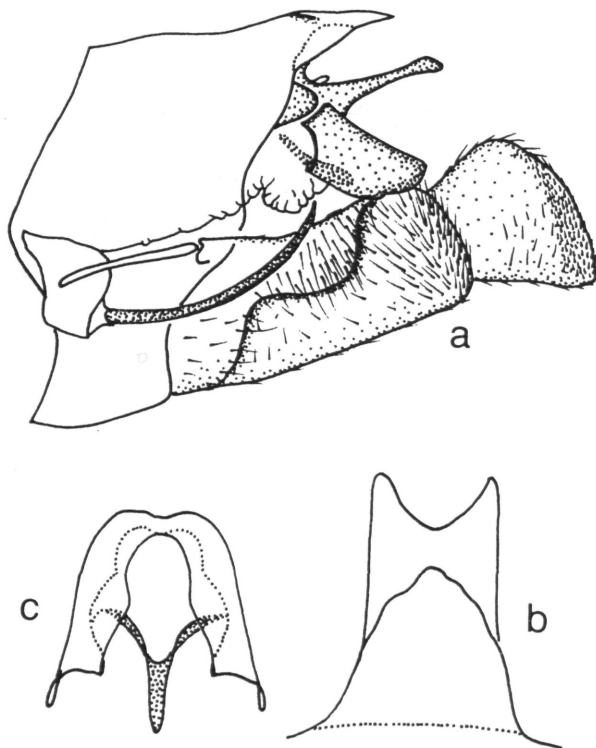
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A NEW SPECIES OF RHYACOPHILA FROM THE RUSSIAN FAR EAST (TRICHOPTERA; RHYACOPHILIDAE)

Tatyana I. Arefina

Rhyacophila silinka sp.n.

Length of the body up to the tips of the wings 9,7 mm, wingspread 19,5 mm. Body brown, legs and wings light brown. - Male genitalia (Fig. 1): Dorsal projection of segment 9 narrowed apically with rounded posterior margin. Segment 10 consists of dorsal and ventral parts. Dorsal part is developed into a horizontal plate that is longer than the projection of segment 9, and its apex is concave. Ventral part of segment 10 downturned with concavities on the inner side. Anal sclerites paired with clearly visible roots. Apical band lost, tergal strap unsclerotized. Phallic apparatus very simple. Phallosome and endotheca small, aedeagus long, thin and upcurved. Parameres lost. First article of inferior appendages very similar to the same of *R. kaltatika*, it has a complex relief on inner side and bears a strong concavity which forms a prominent and sinuous ridge covered with thick setae. Second article without incision.



This new species is closely related to *R. kaltatika* Levanidova & Schmid 1977 from Eastern Sajon Mts., *R. sutchanica* Schmid & Levanidova 1986 from Southern Primorje and *R. szeptyckii* Malicky 1993 from Korea but differs in the form of the dorsal projection of segment 9 and by the form of the second article of the inferior appendages. All four species form an isolated and specialized group as indicated by the dorsal projection of the segment 9, the loss of the parameres and the complex inner relief of the first article of the inferior appendages. They are placed in the *acropedes* group.

Holotype ♂: Khabarovsk Region, Far Eastern Russia; upper part of Silinka River (Amur River Basin) near Komsomolsk-na-Amure Town, 21.7.1985, leg. Makarchenko. The adult was collected near a fast-running stream with low water temperatures in summer. The holotype in alcohol is deposited in the Institute of Biology and Pedology of the Russian Academy of Sciences, Vladivostok, Russia.

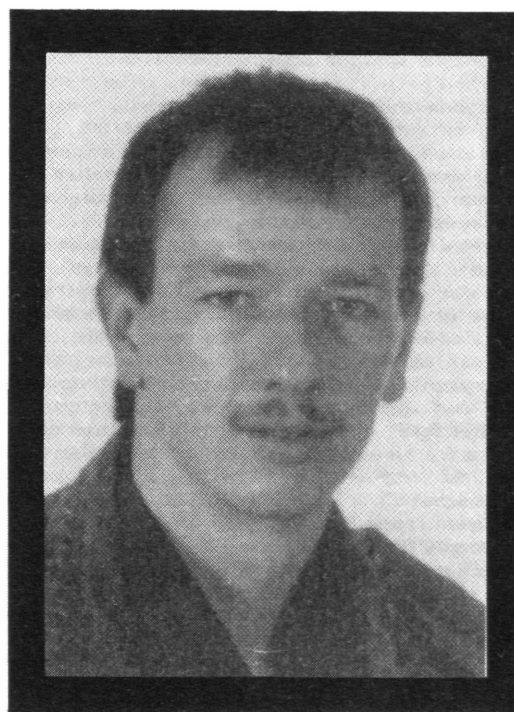
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