

An extraordinary new *Platycheirus* from the Russian Altai Mountains (Diptera, Syrphidae)

John T. Smit & Anatolii V. Barkalov

Smit, J.T. & Barkalov, A.V. 2008. An extraordinary new *Platycheirus* from the Russian Altai Mountains (Diptera, Syrphidae). *Norw. J. Entomol.* 55, 87–90.

A new species, *Platycheirus cheilosiaeformis* sp. n., is described from the Aktru Valley in the Altai Mountains, Republic of Altai, Siberia, Russia. It is compared with other species of the *Platycheirus stegnus* group and reference to a key is given.

Keywords: *Platycheirus cheilosiaeformis* sp. n., *Platycheirus stegnus*-group, Russia, Altai mountains.

John T. Smit, *European Invertebrate Survey - the Netherlands, P.O. box 9517, 2300 RA, Leiden, the Netherlands. E-mail: smitj@naturalis.nl*

Anatolii V. Barkalov, *Institute of Animal Systematics and Ecology, Russian Academy of Science, Frunze str. 11, Novosibirsk-91, 630091 Russia. E-mail: bark@eco.nsc.ru*

INTRODUCTION

In the summer of 2006 a few Dutch entomologists participated in an expedition arranged by the Institute of Animal Systematics and Ecology, Siberian Branch of the Russian Academy of Science (Novosibirsk) to the Altai Mountains in southern Siberia. These Mountains are located near the crossing of China, Kazakhstan, Mongolia and Russia, about 650 km southeast of Novosibirsk. A large quantity of hoverflies was collected, both by hand net and with malaisetraps, during this expedition, including several specimens of an extraordinary new *Platycheirus*. This species was collected in the Aktru valley (figure 1), south of Kuray, at 2500 m. asl., Kosh-Arachskiy Rajon, Republic of Altai, Southern Siberia, Russia. In the summer of 2006 a few Dutch entomologists participated in an expedition arranged by the Institute of Animal Systematics and Ecology, Siberian Branch of the Russian Academy of Science (Novosibirsk) to the Altai Mountains in southern Siberia. These Mountains are located near the crossing of China, Kazakhstan, Mongolia and

Russia, about 650 km southeast of Novosibirsk. A large quantity of hoverflies was collected, both by hand net and with malaisetraps, during this expedition, including several specimens of an extraordinary new *Platycheirus*. This species was collected in the Aktru valley (Figure 1), south of Kuray, at 2500 m. asl., Kosh-Arachskiy Rajon, Republic of Altai, Southern Siberia, Russia.

MATERIAL & METHODS

The different types of this new species have been deposited in the following collections, introducing the abbreviations. JTS = J.T. Smit, Utrecht, the Netherlands; TN = Tore Randulff Nielsen, Sandnes, Norway; ZMAN = Zoologisch Museum Amsterdam, the Netherlands; ZMN = Zoological Museum Novosibirsk, Russia

Platycheirus cheilosiaeformis sp. n.

Holotype: ♀ Республика Алтай, верховье реки Актуру 2519 м над уровнем моря 50.1° с.ш., 87.7° в.д. 6.07.2006 Сб. А. Баркалов (Republic