NEW DATA ON KEROPLATIDAE (DIPTERA, SCIAROIDEA)
FROM RUSSIAN FAR EAST

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Monocentrota sidorenkoi sp. n. is described from South Primorye (Russia). New data on morphology and distribution of Platyura nigricoxa (Okada) are given.

KEY WORDS: Diptera, Keroplatidae, Monocentrota, Platyura, new species, Russian Far East.


С юга Приморского края описан Monocentrota sidorenkoi sp. n. Приведены новые данные по морфологии и распространению Platyura nigricoxa (Okada).

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INTRODUCTION

Twenty seven species of Keroplatidae have been described previously from Russian Far East (6 species of Macrocera Meigen, 5 species of Keroplatus Bosc, 1 species of Macrorhyncha Winnett, 2 species of Platyura Meigen, 1 species of Isoneuromyia Brunetti, 2 species of Neoplatyura Malloch, 2 species of Urytalpa Edwards, 1 species of Pyratula Edwards, 7 species of Orfelia Costa (Zaitzev, 1999). In material, which was given to me by Dr. V.S. Sidorenko (Vladivostok) who collected it in June 2001 in the south part of Primorski krai, a new species of genus Monocentrota Edwards was discovered, as well as one species, Platyura
nigricoxa (Okada), which was known earlier only by author’s descriptions (Okada, 1937; 1938a, b; 1939).

All specimens including holotype are deposited in A.N. Severtsov Institute of Ecology and Evolution, Russian Academy of Sciences (Moscow).

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**DESCRIPTIONS OF SPECIES**

*Monocentrota sidorenkoi* A. Zaitzev, sp. n.

Figs 1–3

**MATERIAL.** Holotype – ♂, Russia, Primorski krai, Kamenushka, Light trap, 16.VII 2001 (Sidorenko leg.). Paratypes – 1 ♂, 3 ♀, the same label.

**DESCRIPTION.** MALE. Head brownish, clypeus yellow, mouth parts and palpi brown; antennae light brown, sixth flagellar segment 2 times as long as wide. Apical segment of flagellum 2 times as long as preapical segment. Thorax yellowish brown. Mesonotum yellow with brown lateral spots and three longitudinal stripes bearing bristles. Scutellum brownish with row of long bristles. Wings clear; wing length 3.0 mm; C extended distinctly more than halfway from R₅ to M₁. Halteres yellow. Legs yellow; fore tibia 1.4 times as long as fore basitarsus; mid tibia 1.2 times as long as mid basitarsus; hind tibia 1.5 times as long as hind basitarsus. Abdomen brown; tergites with yellow fore and hind margins. Genitalia yellow.

FEMALE. Similar to male. Ovipositor light brown.

**RELATIONSHIPS.** This species is close to *M. lundstroemi* Edwards, from which it is distinguished by the structure of the genitalia.

**ETYMOLOGY.** New species is named in honour of Dr. V.S. Sidorenko (Vladivostok, Russia) who collected material.

*Platyura nigricoxa* (Okada, 1937)

Figs 4–6


**MATERIAL.** 5 ♂, Russia: Primorye, Kamenushka, Malaise trap, 30.VI 2001 (Sidorenko leg.).

**MALE.** Head black; clypeus protruded forward, narrowed toward apex; mouth parts yellow; two basal segments of palpi brown, other ones yellowish brown; second palpal with round sensillae on external surface; antennae dark brown, gradually narrowed toward apex; sixth flagellar segment as long as wide; apical flagellar segment 1.3 times as long as preapical segment. Thorax dark brown; mesonotum shining with short bristles on lateral parts with two rows short dorsocentral bristles; scutellum with short bristles. Wing length 6.0–6.5 mm; wing with slightly darkened apical part and with dark band between R₁ and M₁ or M₂; C ending at tip of R₅; basal
cell with weak longitudinal fold; all longitudinal veins with macrotrichia. Legs yellowish brown; coxa yellow with brown basal parts; fore and mid femora yellow, hind femora with dark spots; tibia and tarsi brownish; fore tibia with 1 spur; mid and hind tibia with 2 spurs; fore tibia 1.2–1.3 times as long as fore basitarsus; mid tibia 1.2 times as long as mid basitarsus; hind tibia 1.7 times as long as hind basitarsus. Abdomen dark brown; tergite IV with yellow spot; genitalia dark brown.

**FEMALE** unknown.

Figs 1–4. *Monocentrota sidorenkoi* sp. n. (1–3) and *Platyura nigricoxa* (Okada) (4): 1 – ovipositor; 2 – male genitalia ventrally; 3 – the same dorsally; 4 – wing.
Figs 5, 6. Male genitalia of *Platyura nigricoxa* Okada: 5 – dorsally; 6 – ventrally.

REMARKS. According Okada (1937; 1938a, b; 1939) *P. nigricoxa* is known from Hokkaido, South Kuril and Sakhalin. This species is distinguished from European *P. marginata* (Meigen) by the having of dark markings on the wing.

REFERENCES


