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# Систематика и морфология

## Description of new species *Neomargarodes polygonis* sp.n. (Coccinea, Margarodidae) from Kazakhstan

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### *Neomargarodes polygonis* Jashenko, sp.n. (Fig 1-2)

**Description.** Female (Fig. 1). Body length about 6 mm. First antenna segment with one row short and rare long setae; 2nd segment with 4-5 sensor, 2-3 small and, sometimes, 1-2 long setae and 5-6 pores; 3rd - with 1-3 long, 5-6 sensor and 2-3 small setae; 4th - with 3-7 long, 5-7 sensor setae; 5th - with 7-10 sensor setae; apical segment with 6-9 long, 5-6 sensor setae. Often 5th antenna segment with one two-branched sensor setae. Fore leg claw T-shaped; sometimes, basic part of claw a little protrudes forward; external tarsus side with 8-10 long setae, internal side with band of long setae. Claws of middle and hind legs sickle-shaped, its length less common length of tibia and tarsus. Thoracic spiracles with 6-8 multilocular glands, 2-3 pores near each gland. Each abdominal spiracles with 2-5 glands. Multilocular glands in both spiracle type with central loculus and 7-8 peripheral loculae. Diameter of anus and preanus abdominal spiracles two times less than others. Multilocular glands on body with central loculus and 5-10 peripheral loculae. Central part of I-VI abdominal sternits, I-VII abdominal tergits and thoracic tergits with one row of glands on each segment; back sides of these segments, head segment and thorax sternits with groups of glands. Long setae numerous on head and fore thoracic segments, other segments with interrupted bands, band width increased to body end.

Male (Fig. 2). Body length about 5 mm. Third antenna segment length less than others; each 4th-6th segments with one back growth, growth length increases to 6th segment. First and second antenna segments covered by short and rarely long setae; 3rd-4th - by rare short and long setae; 3rd-7th segments with numerous sensor setae. Head with some long setae. Internal side of fore legs with wide band of numerous short setae, external side - with group of long setae. Tibia length of middle and hind legs more than femur and two times more than tarsus length. Long setae make 1 row on each I-II abdominal tergite and I-VII abdominal sternite; III-VII abdominal tergite backs with few rare long setae. Short setae make one row on each abdominal segment. VI and VII abdominal tergits with 8-11 (VI) and 14 (VII) glands, secreted glassy threads.

Female cyst larva. Body diameter about 5 mm. Antenna protuberances with 5-6 small spines. Thoracic spiracles 1 ring of glands, sometimes with few glands of second ring; 2-3 pores near each spiracle. Abdominal spiracles with 1 ring of glands. Glands in thoracic and abdominal spiracles without central loculus and 6-8 peripheral loculae. Diameter of anus and preanus abdominal spiracles 2 times less than others. Central part and back sides of I-VIII abdominal sternits with 2-3 (rarely 1) pores. Anus hitinised plate u-shaped and without setae.

**Types.** Holotype, female: "*Neomargarodes polygonis* Jashenko, *Polygonum ovicularae*, 41 км северо-западнее Кызыл-Орды, полупустыня, 16.05.1990, Р.Ященко, N.8171" (*Neomargarodes polygonis* Jashenko, *Polygonum ovicularae*, 41 km north-west Kyzylorda City, semidesert, 16.V.1990, R.Jashenko, N.8171). Paratypes: 31 females, 2 males, 16 female cysts of type seria. Holotype and few paratypes are deposited in Zoological Institute RAS (St-Petersburg), other paratypes in Institute of Zoology MS-AS of Kazakhstan (Almaty).

**Distribution.** South Kazakhstan: Kyzylorda Province.

**Mode of life.** It lives on the roots of *Polygonum ovicularae* in clay semi-desert biotop. Cysts are on the depth of 3-5 sm, 3-5 specimens in one plant; cysts have weak hitinised covers of yellow-brown colour. Mobile male larvae - in the middle of May, adults - in the beginning of June.

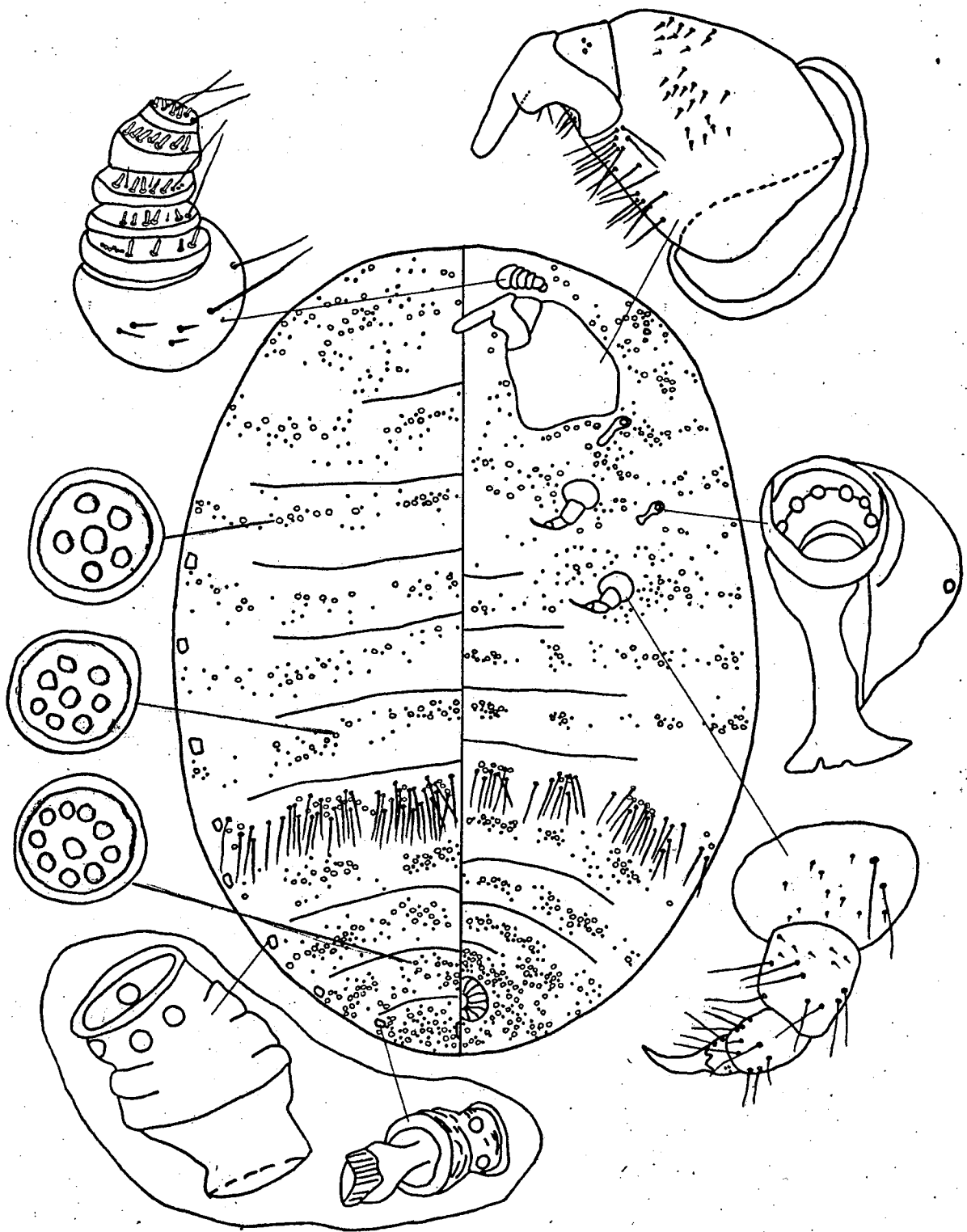


Fig. 1. *Neomargarodes polygonis* Jashenko, holotype, female

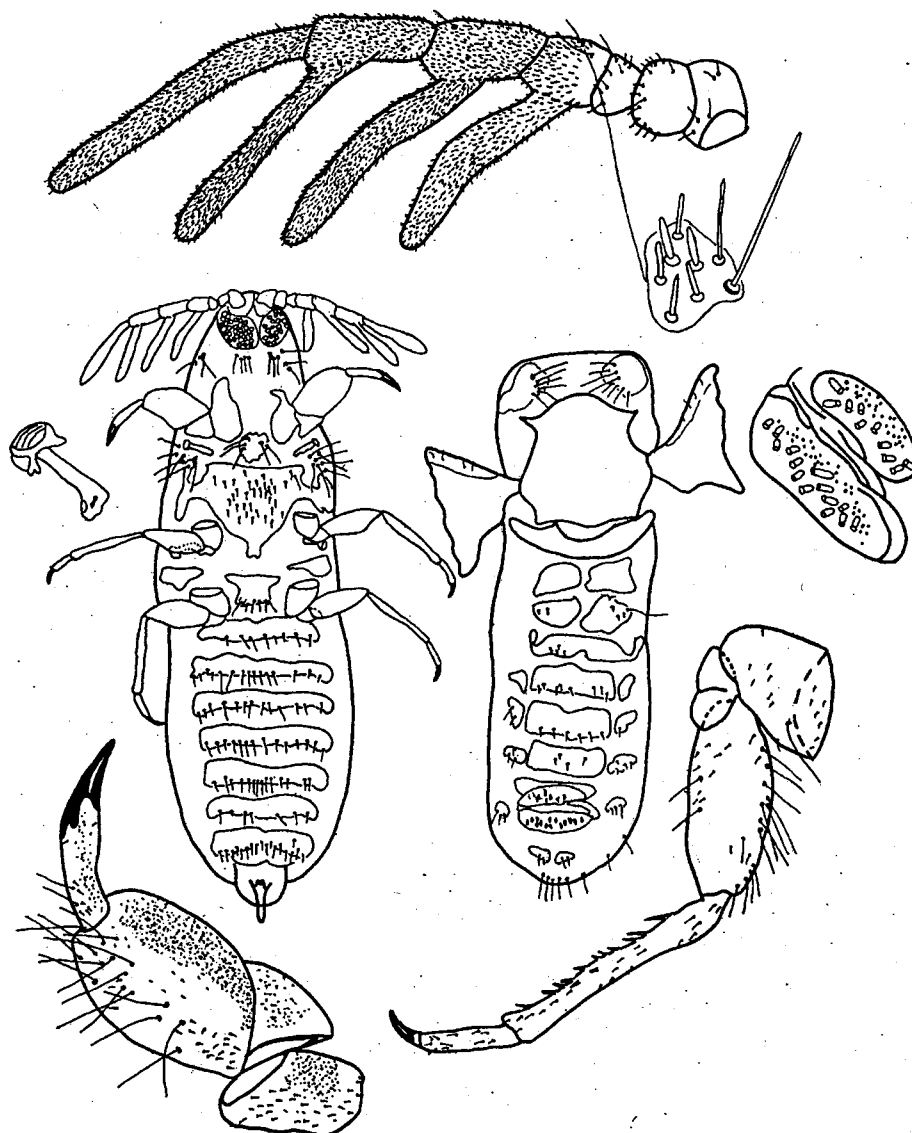


Fig. 2. *Neomargarodes polygonis* Jashenko, male.

#### Summary-Резюме-Тұжырым

Яценко Р. В. Қазақстаннан *Neomargaroides polygonis* (Coccinea, Margorodidea) табылған жаңа түр сипатталынып жазылды.

Яценко Роман Васильевич. Описание нового вида *Neomargarodes polygonis* (Coccinea, Margarodidae) из Казахстана.

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