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On the Siberian and Far Eastern species of *Stenus* (*Parastenus*) of the *alpicola*-group (Insecta: Coleoptera: Staphylinidae: Steninae)

With 7 figures

ALEXANDR B. RYVKIN

Abstract. Two new *Stenus*-species from the *alpicola*-group are described: *S. (Parastenus) devius* sp. n. from the Yenisey River basin, central Siberia and *S. (P.) consularis* sp. n. from the environs of Khabarovsk, Russian Far East. Figures of male genitalia of related species, some new faunistic data and a key to all the known Siberian and Far Eastern representatives of the group are given.

This paper continues my series of descriptions of Siberian and Far Eastern *Stenus*-species from the *alpicola*-group started some years ago (RYVKIN, 1987a, b). Two new species are described below. New faunistic data which refine some distributions and ecological preferences are given as well.

I wish to thank Dr. S. I. GOLOVATCH, Mr. V. V. BELOV, Mr. S. A. KURBATOV, Dr. V. V. ZHERIKHIN, Dr. S. L. ESYUNIN, Dr. K. Yu. ESKOV, Dr. K. G. MIKHAILOV, Dr. T. Yu. ROSSOLIMO, Dr. K. G. MIKHAYLOV, Mr. V. B. SEMENOV (all from Moscow), Dr. B. A. KOROTYAEV, Dr. O. N. KABAKOV (both from St. Petersburg), Dr. E. G. MATIS, Dr. D. I. BERMAN, Mr. A. S. RYABUKHIN (both from Magadan), Dr. L. D. FILATOVA (Vladivostok), and Dr. K. ULYKPAN (Ulan-Bator) for the material entrusted to me for treatment.

Stenus (Parastenus) veselovae RYVKIN, 1987

veselovae RYVKIN, 1987, Senckenbergiana biol. **67** (4/6): 273.

Material 1 female (AR): Chukot Peninsula, Iultin, 06.08.1975, leg. B. A. KOROTYAEV. – 1 male (AR): Kamchatka, Kozyrevsk, 21.06.1975, leg. B. A. KOROTYAEV. – 1 male (AR): Magadan Region, Tenkinskiy Distr., near Sibit-Tyellakh, soil, 26.05.–05.06.1983, leg. D. I. BERMAN. – 1 male, 3 females (AR): Magadan Region, Tenkinskiy Distr., near Sibit-Tyellakh, "Aborigin" Field Research Station, S slope, birch by scorched forest, 10.09.1984, leg. K. Yu. ESKOV. – 1 female (IBPM): Magadan Region, Kharbiz Cape, 15 km E of Ola, 11.06.1979, leg. E. G. MATIS. – 1 male (IBPM): Magadan Region, sources of Ola River, 11.08.1980, leg. E. G. MATIS. – 1 female (AR), 1 female (IBPM): Magadan Region, 10 km SE of Yamsk, Pyagina Peninsula, 06.07.1979, leg. V. VEDERNIKOV. – 1 male (AR): Magadan Region, upper reaches of Kolyma River, 46 km SSW of Omsukchan, 04.08.1980, leg. E. G. MATIS. – 3 males, 2 females (ZMMU), 2 males (AR): Taimyr

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Peninsula, Khatangskiy District, Taimyrskiy State Reserve, Ary-Mas: right bank of Novaya River, 1 km upstream off field research station, mosses and litter in light forest with *Larix*, *Ledum*, *Vaccinium vitis-idaea*, *Pyrola* sp., *Hylocomium*, *Pleurozium* etc. true mosses, 10.07.1992, leg. A. B. RYVKIN. – 1 male (AR): Evenkia, Taimura River near Neptenne River mouth, forest litter, 01.08.1982, leg. K. Yu. Eskov. – 1 female (AR): Evenkia, Taimura River near Kerbo, swamp in larch forest, 21.08.1982, leg. K. Yu. Eskov. – 2 males, 1 female (AR): Tyumen Region, Sob River near Sob Railway Station, peat, A₀ soil stratum, 09.07.1987, leg. T. Yu. ROSSOLIMO. – 1 male (AR): Tyumen Region, near Labytnangi, forest-tundra, 25.08.-04.09.1987, leg. T. Yu. ROSSOLIMO. – 1 male (AR): Polar Urals, Kharp Research Station, tussock tundra, herpetobium, 16.07.1971, leg. V. OLSHVANG. – 1 female (AR): same locality. 17.07.1971, leg. V. OLSHVANG.

In addition to the above Siberian and Far Eastern material, I can provide some further records from the Northeast of European Russia: 1 male (AR): Perm Region, Gornozavodskiy District, "Basegi" State Reserve, Mt. Sredniy Baseg, plateau, low shrub-lichen tundra, 18.09.1990, leg. S. L. ESYUNIN. – 1 female (AR): same locality, Mt. Sredniy Baseg, N slope, low shrub-moss-lichen tundra, 18.09.1990, leg. S. L. ESYUNIN. – 1 female (ZMMU): same locality, Mt. Severnyi Baseg, S slope, flat interfluvium, *Vaccinium myrtillus*, 17.09.1990, leg. S. L. ESYUNIN. – 1 male (ZIN): Komi Republic, Polyarniy Ural Railway Station, 05.07.1971, leg. V. F. SHILOV. – 1 male (ZIN): Komi Republic, Vorkuta, coal mine, tundra, in litter, 23.06.1972, leg. V. F. SHILOV.

Remarks This species is closely related to *S. sibiricus* J. SAHLBERG, 1880 and is one of the most widespread mesophilous and hygromesophilous congeners in N Eurasia. Based on original data obtained at Ary-Mas, Taimyrskiy Reserve, the northernmost locality of light *Larix* stand, *S. veselovae* is a characteristic inhabitant of mosses and litter in this plant community. This does not mean that this species only populates larch forest, as it does occur in *Salix* and *Betula* litter and even in mosses and grass in tundra biotopes as well. Nonetheless, the northern range limit of *S. veselovae* corresponds closely to that of the genus *Larix*. In the southern part of its range, *S. veselovae* overlaps with *S. sibiricus* which seems to oust the former species from mesophilous communities to more hygrophilous ones.

The above records reconfirm that *S. veselovae* is widely distributed over the NE European taiga, though it was first described from Siberia (RYVKIN, 1987a, VESELOVA & RYVKIN, 1991).

Stenus (Parastenus) sibiricus J. SAHLBERG, 1880

- sibiricus* J. SAHLBERG, 1880, Svenska Vetenskaps Akad. Handl. **17** (4): 79.
sibiricus; J. SAHLBERG, 1887, In: NORDENSKIÖLD, Vega-expeditiones vetenskapliga... **4**: 52.
sibiricus; POPPIUS, 1908, Acta Soc. Fauna Flora Fenn. **31** (6): 10.
sibiricus; POPPIUS, 1909, Acta Soc. Fauna Flora Fenn. **31** (8): 19.
sibiricus; POPPIUS, 1909, Öfvers. Finska Vetensk. Soc. Förh. **51** (A4): 15.
sibiricus; BENICK, 1921, Medd. Soc. Fauna Flora fenn. **46**: 142.
sibiricus; BENICK, 1924, Dtsch. Ent. Z.: 254.
sibiricus; BENICK, 1929, Best.-Tab. europ. Coleopt. **96**: 21.
sibiricus; PLATONOFF, 1942, Notulae Entomol. **22**: 69.
sibiricus; PALM, 1961, Svensk Insektenfauna **9** (2): 74.
sibiricus; PUTHZ, 1967, Dtsch. Ent. Z. (N. F.). **14** (1/2): 144.
sibiricus; PUTHZ, 1967, Reichenbachia Mus. Tierkde. Dresden **9** (25): 233.
sibiricus; PUTHZ, 1967, Ann. Ent. Fenn. **33** (4): 236.
sibiricus; PUTHZ, 1971, Faun. Abh. Mus. Tierkde. Dresden **3** (13): 142.
sibiricus; PUTHZ, 1971, Notulae Entomol. **51**: 34.
sibiricus; PUTHZ, 1974, Notulae Entomol. **54**: 112.
sibiricus; PUTHZ, 1974, Ent. Blätter **70** (3): 161.
sibiricus; SHILOV, 1975, Vestnik Leningradskogo universiteta **9**: 58.
sibiricus; PUTHZ, 1980, Ent. Blätter **76** (1): 40.
sibiricus; RYVKIN, 1987, Senckenbergiana biol. **67** (1986): 272.
sibiricus; RYVKIN, 1987, Senckenbergiana biol. **68**: 160.
sibiricus; VESELOVA & RYVKIN, 1991, Prirodnyie resursy yeniseiskoy taigi: 190.

Remarks To avoid too many new faunistic records, I refrain from presenting the vast Palaearctic material of *S. sibiricus* at my disposal (nearly 1,500 specimens from all over its range in Eurasia). Because basically this material fails to change the distribution pattern reported earlier

(RYVKIN, 1987a, b, VESELOVA & RYVKIN, 1991). Yet I have no factual confirmation of the occurrence of *S. sibiricus* in Northern Europe. SHILOV's (1975) material referred to as *S. sibiricus* (SHILOV, 1975) actually belongs to *S. veselovae* (see above). From among the specimens PUTHZ (1967c) mentioned as "European", there only exists one male, belonging to the collection of the Helsinki Museum. Just this very specimen seems to have been recorded and illustrated earlier by BENICK (1921) as *S. sibiricus*, though BENICK's figure of the aedeagus clearly shows that in fact the example belongs to *S. veselovae*.

Types of some species described from the Nearctic (*S. confusus* CASEY, 1884, *S. deductor* CASEY, 1884, *S. montanus* CASEY, 1884, *S. noctivagus* CASEY, 1884, *S. exasperatus* L. BENICK, 1925) that have been synonymized with *S. sibiricus* by PUTHZ (1967c) remain unknown to me. But I do have in my collection a small series of *S. sibiricus* from Alaska (1 male, 2 females: Homer, IAB Field St. 15.08.1976, leg. E. MATIS). To my mind, the southernmost Nearctic records of this species are to be revised.

The material examined proves the southeastern range limit of *S. sibiricus* in the Palaearctic to roughly correspond to the northern limit of distribution of the genus *Quercus*.

Stenus (Parstenus) devius sp. n. (Figs. 1–2)

Material. Holotype-male, paratype female (ZMMU): Evenkia, Baykitskiy District, Bakhta River near mouth of Severnaya Kachikangna River, 410 m a.s.l., mosses and litter under *Larix*, *Picea*, *Betula*, *Pinus sibirica* with *Vaccinium uliginosum*, *Vaccinium vitis-idaea*, *Pleurozium*, *Hylocomium* etc. at/on an overgrown kurum (broken rock), 18.08.1991, leg. A. B. RYVKIN. – 1 female-paratype (AR): Evenkia, Baykitskiy District, Bakhta River head, 1.5 km upstream off Gutkengne River mouth, 470 m a.s.l., river bank: shingles, under stones, on sand and clay, in moss, amid *Carex* sp., *Calamagrostis* sp. etc., 14.08.1991, leg. A. B. RYVKIN. – 1 male-paratype (AR): Evenkia, Baykitskiy District, Central Siberian State Reserve, Stolbovaya River basin: Kulingna River near Pravyi Usas River mouth, 180 m a.s.l., mosses and litter in forest on slope with *Larix*, young *Picea* and *Pinus sibirica*, *Vaccinium vitis-idaea*, *Pleurozium*, *Hylocomium* etc., 02.09.1989, leg. A. B. RYVKIN. – 1 male-paratype (AR): same locality, 200 m a.s.l., plane crest of a bald hill: birch forest with young *Picea*, *Vaccinium uliginosum*, *Eriophorum*, Gramineae, *Vaccinium vitis-idaea*, *Polytrichum*, *Pleurozium*, *Hylocomium* etc., 02.09.1989, leg. A. B. RYVKIN. – 1 male-paratype (SMTD): Evenkia, Baykitskiy District, Central Siberian State Reserve, Stolbovaya River basin: Kulingna River near Bolotnaya River mouth, 100 m a.s.l., forest on rocky slopes: *Picea*, *Betula*, *Larix*, *Pinus sibirica*, Gramineae, *Vaccinium vitis-idaea*, *Pleurozium*, *Hylocomium* etc., 08.09.1989, leg. A. B. RYVKIN. – 1 male-paratype (AR): Evenkia, Baykitskiy District, Central Siberian State Reserve, Stolbovaya River basin: Kulingna River, mouth of right confluent, 6 km below Usas River mouth, 90 m, swampy slope with *Sphagnum* sp., *Eriophorum* sp., *Ledum*, *Vaccinium uliginosum*, *Empetrum*, *Oxycoccus*, *Vaccinium vitis-idaea*, *Pleurozium*, *Hylocomium* etc. 11.09.1989, leg. A. B. RYVKIN. – 2 male and 2 female paratypes (AR): same locality, 90 m a.s.l., forest on slope with *Betula*, *Picea*, *Pinus sibirica*, *Ledum*, *Lonicera*, *Spiraea*, *Vaccinium vitis-idaea*, *Pleurozium*, *Hylocomium*, *Polytrichum commune*, *Rubus saxatilis* etc., 11.09.1989, leg. A. B. RYVKIN. – 1 female-paratype (AR): Evenkia, Baykitskiy District, Central Siberian State Reserve, Stolbovaya River, 7 km upstream off river mouth, 60 m a.s.l., border of swamp at foot of a bald hill: *Picea*, *Larix*, *Betula* sp., *Ledum*, *Chamaedaphne*, *Oxycoccus*, *Polytrichum strictum*, *Sphagnum fuscum*, *Sphagnum* spp., *Hylocomium*, *Pleurozium* etc., 25.06.1992, leg. A. B. RYVKIN. – 1 male-paratype (AR): Evenkia, Baykitskiy District, Podkamennaya Tunguska River basin, Kochumdek River, 8 km upstream off river mouth, 200 m a.s.l., *Sphagnum* sp., *Ledum palustre* etc. on steep slope with rocky debris, 23.07.1990, leg. A. B. RYVKIN. – 3 male-paratypes, 1 female-paratype (AR): Krasnoyarsk Territory, Turukhanskiy District, Vorogovka River, 2.5 km upstream off top of Bolshoy Rapid, mosses and litter under *Pinus sibirica*, *Larix*, young *Picea* with *Ledum*, *Hylocomium*, *Pleurozium* etc. at/on a scorched kurum, 28.06.1991, leg. A. B. RYVKIN. – 1 male-paratype (AR): Krasnoyarsk Territory, Turukhanskiy District, upper reaches of Nizhnaya Lebedyanka River, at tussocks with last year's grass in swampy forest with *Betula*, *Abies*, young *Pinus sibirica*, *Picea* and *Larix*, 25.06.1992, leg. V. B. SEMENOV. – 1 male-paratype (AR): Krasnoyarsk Territory, Central Siberian State Reserve, Bolshaya Varlamovka River basin, midflow of Bolshaya Raskosaya River, *Pleurozium* and *Polytrichum commune* near old *Pinus sibirica*, 28.05.1992, leg. V. B. SEMENOV.

Description Black, moderately shining, fairly densely punctured, moderately densely pubescent with fairly short golden or yellowish-silvery hairs. Antennae dark brown, with 1st segment brownish-black; palpi dark brown with segment 1 and the very base of 2nd yellow; legs dark brown with bases of femora brown or reddish-brown, knees more or less blackened; labrum brownish-black, finely pubescent with very short yellowish-silvery hairs.

Length: 2.4–3.2 mm (with extended abdomen).

Head by nearly $\frac{1}{4}$ broader than pronotum (46–37), distinctly broader than elytra between humeri (46:39), a bit narrower than those in their posterior $\frac{1}{3}$ (46–48). Front with two well-developed lateral impressions and a prominent median elevation. Antennal tubercles fairly small, without conspicuous projections posteriorly. Punctuation moderately coarse but dense, somewhat irregular, nonrugose, feebly confluent only in lateral impressions; average diameter of punctures a bit larger than cross-section of antennal segment 3; middle of the front with an impunctate longitudinal stripe much broader than diameter of punctures. Length ratios of antennal segments 2–8 as 6 8 5 5 4 4 3. Antennae scarcely reaching the posterior $\frac{1}{3}$ of pronotum.

Pronotum feebly convex, nearly as long as broad (36–37), broadest near middle, narrowed convexly anteriorly and feebly concavely posteriorly; disk with a hardly marked, nearly invisible median longitudinal impression. Punctuation of disk somewhat greater than that of head, evidently more regular, nonconfluent, as a rule.

Elytra a little shorter than broad (45–48), evidently dilated posteriorly (39–48) behind short, angularly rounded but distinct humeri, by $\frac{1}{4}$ longer than pronotum (45–36); suture a bit longer than latter (37–36); sutural and humeral impressions shallow but visible; lateral depressions near midway very feeble. Punctuation moderately coarse and dense, evidently larger than that of head and pronotum, scarcely and nonrugosely confluent only in basal and sutural impressions.

Legs fairly long and slender; metatibia by $\frac{1}{4}$ longer than metatarsus (35–28); segment 4 of tarsi entire, non bilobed; segment 1 of metatarsus distinctly longer than 5th (9–7).

Abdomen subcylindrical, moderately flattened dorsally; fore visible segments about parallel-sided, following segments uniform narrowed posteriorly; paratergites well-developed in visible segments 1–5; posterior margin of visible tergite 5 with a membranous fringe throughout. Punctuation of three anterior visible tergites somewhat smaller, shallower and sparser than that of head, most dense in lateral parts, in posterior tergites distinctly finer and sparser.

Fine and close ground-sculpture more or less developed throughout, excepting median elevation of front and posterior margins of fore visible tergites, more evident on posterior abdominal tergites, on pronotal disk, and at edges of punctures on elytra.

Male Meso- and metatibiae each with a small preapical tooth; abdominal sternite 8 with a fairly deep, angularly rounded emargination at posterior margin; aedeagus as in Figs. 1–2.

Female : Posterior margin of 8th abdominal sternite angularly rounded; valvifera dentate laterally.

Diagnosis This species can be distinguished from other species of the *alpicola*-group by the shape of the aedeagus (cf. Figs. 1 & 3), the body proportions, the character of punctuation; from *S. sibiricus* SAHLBERG, 1880, *S. consularis* sp. n. and *S. aureolus* FAUVEL, 1875 it differs in the darker colour of legs; from the latter by the darker colour of antennal segment 1.

Remarks By the shape of the aedeagus, this species is very similar to *S. alpicola* FAUVEL, 1875 and, to a lesser extent, *S. gubernator* RYVKIN, 1987. Thus it can be considered as a relict of a formerly continuous trans-Palaearctic species complex.

Though *S. devius* sp. n. is a mesophilous species with a fairly wide range of habitats, it shows certain preferences for forest communities on rocky slopes and/or basins with a perennially frozen ground.

Stenus (Parastenus) consularis sp. n. (Figs. 6–7)

Material Holotype (with antennae and palpi partly broken off) (ZMMU): USSR, Khabarovsk Province, Bolshe-Khekhtsyrskiy Reserve, 400–450 m, *Abies/Pinus/Betula* forest, 6–10.VI.1990, leg. S. GOLOVATCH & W. SCHAWALLER.

Description Black, moderately bronze shining, coarsely and densely punctured, moderately densely pubescent with fairly short golden hairs. Antennae brown to dark brown, with 1st segment brownish-black; legs brown with basal $\frac{2}{3}$ of femora yellowish-brown, knees narrowly and feebly darkened; labrum brownish-black, finely and quite sparsely pubescent with very short golden hairs. Length: 3.0 mm.

Head by about $\frac{1}{4}$ broader than pronotum (46–37), distinctly broader than elytra between humeri (46–36), a little narrower than those in their broadest part (46–43). Front with two broad and deep lateral impressions and a quite prominent, longitudinal, median elevation in between being more than twice broader than each of lateral portions. Antennal tubercles well-developed, finely but evidently projected posteriorly. Punctuation fairly coarse and dense, irregular, partly nonrugosely confluent near middle; median elevation of the front with a small impunctate longitudinal spot not evidently broader than diameter of surrounding punctures. Length ratios of antennal segments 2–7 as 6–9–5–5–4–4.

Pronotum convex, a bit broader than long (37–35), broadest near middle, narrowed feebly convexly towards anterior margin and concavely towards posterior one; disk with a broad, deep, longitudinal impression in basal $\frac{2}{3}$ of midline, anterior margin slightly elevated medially, latero-basal impressions hardly marked, vague. Punctuation of disk coarse and dense, a little greater than that of head, somewhat less irregular, evidently but nonrugosely confluent excepting medioanterior part.

Elytra feebly transverse (38–43), a little longer than pronotum (38–35); suture a little shorter than latter (32–35); humeral angles very short and rounded but evident, lateral sides uniformly divergent posteriorly (36–43); sutural area quite broadly depressed, humeral and lateral impressions scarcely marked but visible, looking like a broad flattened field; posterior margin narrowly impressed laterally and slightly elevated in middle part. Punctuation evidently larger than that of head and pronotum, smaller in sutural area, less confluent excepting sutural area and lateral impressions; average diameter of punctures nearly equal to cross-section of antennal segment 2. Legs fairly long and slender; metatibia by a half longer than metatarsus (40–27); segment 4 of tarsi without distinct emargination of apical margin; segment 1 of metatarsus evidently longer than 5th (9–7).

Abdomen moderately flattened dorsally, about uniformly narrowed posteriorly, with normal paratergites in visible segments 1–5; membranous fringe at posterior margin of visible tergite 5 entire. Punctures in middle parts of two anterior visible tergites nearly as large as those of head but much shallower and more regular, fairly dense, denser laterally; visible tergite 1 with a small impunctate median spot a bit broader than surrounding punctures; punctuation of visible tergite 3 somewhat smaller than that of the previous one; punctuation of following tergites much finer but fairly dense. Fine ground sculpture evident, invisible only in the middle of front and at the very margins of fore abdominal tergites.

Male Meso- and metatibiae each with a well-developed preapical tooth on their internal sides; posterior margin of abdominal sternite 8 with a broad, deep and angularly rounded notch; 9th abdominal sternite laterally dentate; aedeagus as in Figs. 6–7.

Female Unknown.

Diagnosis This species is closely related to *S. gubernator* RYVKIN, 1987 and can be distinguished from the latter by the lighter colour of legs and by the elytra less strongly widened backwards; from all the known species it differs by the shape of the aedeagus.

Remarks This new species is probably a northern vicariant of *S. gubernator* RYVKIN, 1987.

***Stenus (Parstenus) gubernator* RYVKIN, 1987 (Figs. 4–5)**

gubernator RYVKIN, 1987, Senckenbergiana biol. **68** (1/3): 160.

Material. 3 males (AR): Maritime Province, 60 km W of Partizansk, near Anisimovka, in litter. 25.07.1988, leg. S. A. KURBATOV.

Remarks. This species originally described only based on a male deriving from the central part of the Maritime Province, Russian Far East is herewith recoded in the southern part of the Province for the first time. The above specimens differ from the holotype by the elytra somewhat less strongly widened posteriorly, the less evident sculpture of the pronotum and elytra, and by the somewhat smaller and more regular punctuation of the fore body parts.

***Stenus (Parstenus) aureolus* FAUVEL, 1875**

aureolus FAUVEL, 1875, Faune Gallo-Rhénane Cat. syst. Staph.: XVII nota.

aureolus; EPPELSHEIM, 1893, Dtsch. Ent. Z.: 53.

aureolus; PUTHZ, 1967, Ann. Ent. Fenn. **33**: 241.

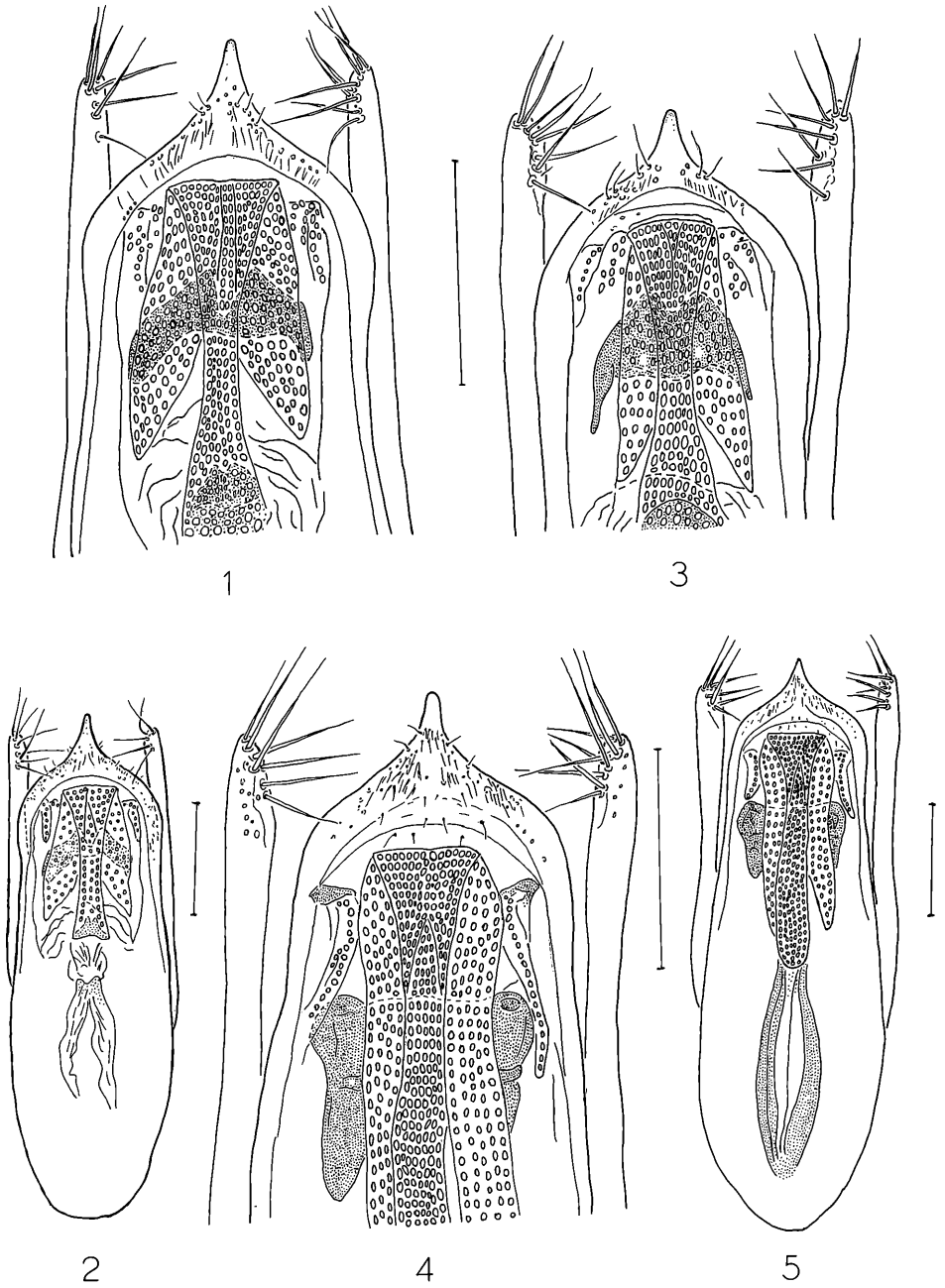
aureolus; PUTHZ, 1969, Bull. Inst. r. Sci. nat. Belg. **45** (9): 32.

aureolus; PUTHZ, 1971, Faun. Abh. Mus. Tierkde. Dresden **3** (13): 142.

fluvialis; BENICK, 1921, Medd. Soc. Fauna Flora Fenn. **46**: 140.

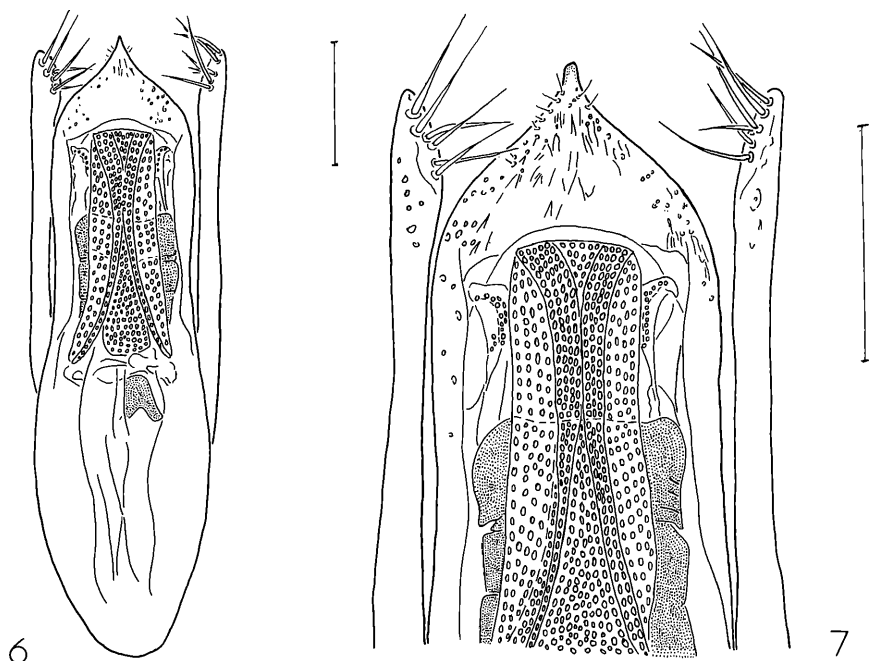
Material 3 males, 1 female (AR): Krasnoyarsk Territory, Yermakovskiy District, Sayano-Shushenskiy State Reserve, Bolshiye Ury River near Ottug-Suuk River mouth, 880 m, litter of sparse burnt flood-plain forest with Gramineae and at river bank, 16.05.1989, leg. A. B. RYVKIN. – 2 females (AR): Krasnoyarsk Territory, Yermakovskiy District, Sayano-Shushenskiy State Reserve, Bolshiye Ury River, 3 km below Ottug-Suuk River mouth, 880 m, litter of birch forest with *Populus tremula* and Gramineae (+ larch needles) on a steep rocky slope, 18.05.1989, leg. A. B. RYVKIN. – 1 male (AR): Krasnoyarsk Territory, Yermakovskiy District, Us River valley, road-km 152 between Kyzyl and Abakan, ca. 55 m above river level (ca. 930 m a.s.l.), mosses and litter on steep slope with *Larix*, *Populus tremula*, *Pinus sibirica*, sparse *Picea*, *Dicranum* (very dense), *Pleurozium*, *Hylocomium*, individual *Vaccinium vitis-idaea* on rocky debris near top of an overgrown slopy kurum, 16.08.1984, leg. A. B. RYVKIN. – 1 male (AR): Krasnoyarsk Territory, Yermakovskiy District, 4 km S of Verkhneusinskoye, flood plain of left confluent of Us River, 550 m a.s.l., banks of a narrow channel: litter with drift on silt, mosses, Gramineae, *Carex* spp., *Stellaria* sp., *Clematis* sp. between *Spiraea* sp., *Lonicera* sp., *Ribes* sp., *Betula*, *Larix* etc., 05.06.1989, leg. A. B. RYVKIN. – 1 male (AR): Tuva, Todjenskiy District, Toora-Khem River near Toora-Khem, 900 m a.s.l., moss and litter in spruce-larch forest with young *Pinus sibirica*, sparse *Betula*, Gramineae, *Pyrola*, *Viola*, *Hylocomium*, *Pleurozium* etc., 31.05.1990, leg. A. B. RYVKIN. – 2 males (AR): Tuva, Todjenskiy District, Azas State Reserve, Azas River basin, midflow of Kara-Tesh River (environs of 2nd hut), 1,000 m a.s.l., litter and mosses under *Larix*, *Picea*, *Pinus sibirica*, with *Pleurozium*, *Hylocomium*, *Vaccinium vitis-idaea*, *Carex* sp., Gramineae etc., 07.06.1990, leg. A. B. RYVKIN. – 4 males, 2 females (AR): Tuva, Todjenskiy District, Azas State Reserve, Azas River, 1.5 km up-stream off Kadyrgy-Sug River mouth, 1,000 m a.s.l., litter and mosses under young *Picea*, *Larix*, *Pinus silvestris*, *Pinus sibirica*, with *Pleurozium*, *Hylocomium*, *Vaccinium vitis-idaea* etc., 08.06.1990, leg. A. B. RYVKIN. – 1 male, 5 females (AR): same locality, litter and mosses under *Betula* with *Hylocomium*, *Dicranum*, *Vaccinium vitis-idaea* etc., 08.06.1990, leg. A. B. RYVKIN. – 1 female (AR): Tuva, Todjenskiy District, Todja Basin, Lake Malyi Azas, near Toora-Khem River source, 940 m a.s.l., forest with *Larix*, young *Pinus sibirica*, *Iris*, *Thalictrum*, *Clematis*, Gramineae, *Geranium*, *Paeonia*, *Lathyrus* sp., *Lonicera*, *Spiraea*, etc. at foot of a slope: litter, 16.06.1991, leg. A. B. RYVKIN. – 1 male (AR): Tuva, Todjenskiy District, Azas State Reserve, Lake Azas, near “Krasnyi Kamen”, 1,045 m a.s.l., old burnt forest on gentle slope: trunk fungi on stump and in litter under those, 18.07.1993, leg. A. B. RYVKIN. – 3 females (AR): same locality, 1,045 m a.s.l., old burnt forest on gentle slope: litter and sparse mosses under *Larix* of various ages with *Vaccinium vitis-idaea*, Gramineae, *Majanthemum*, *Thalictrum*, *Lathyrus* sp., *Carex* sp., *Viola* spp., *Vicia* sp., *Pleurozium schreberi* etc., 18.07.1993, leg. A. B. RYVKIN. – 1 female (AR): same locality, 940 m a.s.l., lake shore: small

shingles, drift, 18.07.1993, leg. A. B. RYVKIN. – 2 males (AR): same locality, 1,045 m a.s.l., old burnt forest on gentle slope: litter and sparse mosses under *Betula* and *Populus tremula* with Gramineae, *Majanthemum*, *Vaccinium vitis-idaea*, *Thalictrum*, *Carex* sp., *Solidago* (?) sp., *Lathyrus* sp., *Rosa* sp., *Viola* spp., *Vicia* sp., *Pleurozium schreberi*, *Ptilium* sp. etc., 18.07.1993, leg. A. B. RYVKIN. – 1 male (AR): Krasnoyarsk Territory, Sayanskiy District, East Sayan Mts., Kan River, about 7 km upstream off Oryo, mosses and litter under *Larix*, *Alnus*, *Betula*, *Pinus sylvestris*, with *Lathyrus humilis*, Gramineae etc. on a steep riverside slope, 31.07.1993, leg. A. B. RYVKIN. – 1 male (AR): Krasnoyarsk Territory, Beryozovskiy District, Sorokino: mosses and litter in forest on slope with *Betula*, young *Pinus sibirica* and *Picea*, Gramineae, sparse *Alnus*, 23.08.1984, leg. A. B. RYVKIN. – 1 male (AR): Irkutsk Region, Slyudyanskiy District, Marituy, 600 m a.s.l., aspen-birch forest, 05.07.1988, leg. K. G. MIKHAILOV. – 5 males, 2 females (AR), 1 female (SMNS): Amur Province, near Zeya Town, 04.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): same locality, 05.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): same locality, UV-light, 20.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): Amur Province, near Zeya Town, Sotkhan Mt. Ridge, 05.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male, 1 female (AR): Amur Province, Zeyskiy State Reserve, Tyoplyi Klyuch, 13.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): same locality, 14.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male, 1 female (AR): same locality, 15.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): Amur Province, near Zeya Town, road-km 52, 17.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 4 females (AR): same locality, 19.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 2 females (AR): same locality, 03.07.1978, V. V. BELOV & S. A. KURBATOV leg. – 1 male (AR): same locality, 08.07.1978, leg. V. V. BELOV & S. A. KURBATOV. – 2 males (AR): same locality, 11.07.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male, 1 female (AR): same locality, 12.07.1978, leg. V. V. BELOV & S. A. KURBATOV. – 3 females (AR): same locality, 14.07.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): same locality, 16.07.1978, leg. V. V. BELOV & S. A. KURBATOV. – 2 males, 1 female (AR): Amur Province, Zeyskiy State Reserve, 34th km, 22.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): same locality, 24.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): Amur Province, Zeyskiy State Reserve, 26.06.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): Khabarovsk Territory, Jewish Autonomous Region, Dichun, Amur River, 130° 45' E, near Radde, 05.08.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male, 1 female (AR): same locality, 09.08.1978, leg. V. V. BELOV & S. A. KURBATOV. – 2 males (AR), 1 male (SMF): same locality, 12.08.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 male (AR): same locality, 23.08.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): same locality, 29-30.08.1978, leg. V. V. BELOV & S. A. KURBATOV. – 1 female (AR): Khabarovsk Territory, Jewish Autonomous Region, Obluchenskiy District, SE of Radde, Pompeyevka River, about 1 km off river mouth, in litter under *Betula* on open slope of a bare hill, 15.08.1977, leg. A. B. RYVKIN. – 1 male (AR): Khabarovsk Territory, Jewish Autonomous Region, Obluchenskiy District, SE of Radde, Dichun River, about 4 km off river mouth, canyon of right confluent, in litter, 10.08.1977, leg. A. B. RYVKIN. – 2 females (AR): Khabarovsk Territory, Jewish Autonomous Region, Obluchenskiy District, Pashkovo, 1978, leg. S. V. TOMS. – 2 males, 1 female (ZIN): Khabarovsk Province, NW of Komsomolsk, Lyanchli River, 06.10.1975, leg. O. N. KABAKOV. – 1 female (ZIN): Khabarovsk Province, Komsomolsk-on-Amur, Start, 20.07.1975, leg. O. N. KABAKOV. – 2 females (ZIN): Khabarovsk Province, NW of Khabarovsk, S of Kukan, 07.10.1979, leg. O. N. KABAKOV. – 1 female (ZMMU): USSR, Khabarovsk Province, Bolshe-Khekhtsyrskiy Reserve, 400-450 m a.s.l., *Abies/Pinus/Betula* forest, 6-10.VI.1990, leg. S. GOLOVATCH & W. SCHAWALLER. – 1 male (ZIN): Khabarovsk Province, Amgun River, upper reaches of Marukil River, 20.08.1975, leg. O. N. KABAKOV. – 1 female (ZMMU): Maritime Prov., Krasnorechenskiy District, upper reaches of Iman River, birch-spruce forest, 14.08.1977, leg. L. D. FILATOVA. – 1 male (ZMMU): Maritime Prov., Dalnegorskiy District, upper reaches of Iman River, spruce forest: under bark, 22.08.1977, leg. L. D. FILATOVA. – 1 male (ZMMU): same locality, spruce forest with *Polytrichum*: in litter, 22.08.1977, leg. L. D. FILATOVA. – 1 male (ZMMU): Maritime Prov., Dalnegorsk, 20.07.1986, leg. V. ZHERIKHIN & V. GRATSHEV. – 1 male, 1 female (ZMMU): Maritime Prov., Kavalеровskiy District, Medvezhiy Rill, coniferous-broadleaved forest, 20.06.1977, leg. L. D. FILATOVA. – 1 female (AR): same locality, *Abies* stand, 24.06.1977, leg. L. D. FILATOVA. – 1 female (ZMMU): same locality, 23.07.1977, leg. L. D. FILATOVA. – 1 female (ZMMU): same locality, *Abies* stand, 24.07.1977, leg. L. D. FILATOVA. – 1 female (ZMMU): Maritime Prov., Terneyskiy District, Amgu, 26.08.1970, leg. A. P. RASNITSYN. – 1 male (AR): Maritime Prov., Kavalеровskiy District, Lipovyi Rill, *Abies* forest., 24.07.1977, leg. L. D. FILATOVA. – 1 female (ZMMU): Maritime Prov., Kavalеровskiy District, Priiskovaya Pad, burnt forest, 29.07.1977, leg. L. D. FILATOVA. – 1 female (AR): Maritime Prov., Kavalеровskiy District, Bazovyi, birch-spruce forest, 29.06.1973, leg. E. MINEYEVA. – 1 female (AR): Maritime Prov., Kavalеровskiy District, Volkovskiy, W, bushes of *Spiraea* & *Corylus*, 19.07.1976, leg. E. MINEYEVA. – 1 male, 2 females (AR): Maritime Province, W of Nezhino, midflow of Malaya Ananyevka River, in litter near water, 07.08.1988, leg. S. A. KURBATOV.



Figs. 1–2: *Stenus (Parastenus) devius* sp. n., holotype. 1 – apical part of aedeagus ventrally; 2 – aedeagus ventrally. – Fig. 3: *Stenus (Parastenus) alpicola* FAUVEL, 1873, male (Caucasus: N Osetia), apical part of aedeagus ventrally. – Figs. 4–5: *Stenus (Parastenus) gubernator* RYVKIN, 1987, male (Far East: Anisimovka). 4 – apical part of aedeagus ventrally; 5 – aedeagus ventrally.

Scales: 0.1 mm



Figs. 6–7: *Stenus* (*Parastenus*) *consularis* sp. n., holotype. 6 – aedeagus ventrally; 7 – apical part of aedeagus ventrally. Scales: 0.1 mm

In addition to material from Russia, I have in my collection a single specimen from NE Mongolia: 1 female (AR): Mongolia, E Aimak, Somon Sumber, Khingan Major, Bayan-kher Mts., montane steppe, 01.08.1985, leg. K. ULYKPAN.

Remarks. Until recently, *S. aureolus* has been known from a few records only (PUTHZ, 1967c), mainly without defined localities but with labels like “Sibiria”, “Sibiria orientalis”, “Mongolia borealis”, “Baikalsee”. Only three fixed localities gave some idea about the distribution of this species, namely, “Baikal, Mydlanka”, “Quellgebiet des Irkut”, and “Kamtchatka Bolscherjetsk”. The above new material provides further insights into the geographical range and ecology of *S. aureolus*. The western limit of its range seems to coincide with the southern segment of the Yenisey biogeographical border, while the northeastern limit roughly corresponds to the southern range border of *S. sibiricus* (in a narrow belt, those species may prove to occur conjointly).

Key to the Siberian and Far Eastern species of the *alpicola*-group

1. Impressions of pronotum and elytra much sharper; posterolateral impressions of pronotum evident. Antennae commonly yellowish-brown with basal segments not darker than subsequent antennomeres, as a rule. For aedeagus see PUTHZ, 1967 (fig. 15). 3.3–4.0 mm.
– S & SE Siberia, Far East, NE Mongolia. *aureolus* FAUVEL, 1875
- Pronotum and elytra more even; laterobasal impressions of pronotum more feeble or absent. Antennal segment 1 at least a bit darker than segments 3–5. 2
2. Elytra much divergent posteriorly, only a bit longer than pronotum, by suture distinctly shorter than latter; humeri indefinite, very short. 3

- Elytra less strongly broadened posteriorly, distinctly longer than pronotum, with humeral angles more or less rounded but prominent. 4
- 3. Elytra in posterior part nearly by $\frac{1}{5}$ broader than between humeri; legs lighter, basal $\frac{2}{3}$ of femora yellowish-brown. Aedeagus as in Figs. 6–7. 3.0 mm. – Russian Far East: Khekhtsyur Mts. *consularis* sp. n.
- Elytra in posterior part more than by $\frac{1}{4}$ broader than between humeri; legs dark brown or dark reddish-brown with basal $\frac{2}{3}$ of femora reddish-brown. Aedeagus as in Figs. 4–5. 2.8–3.1 mm. – Russian Far East: Maritime Prov. (S and central parts). *gubernator* RYVKIN, 1987
- 4. Legs usually lighter, at least basal half of femora yellowish-brown; punctuation of fore parts of body much coarser and more irregular. For aedeagus see RYVKIN, 1987a (Fig. 13). 2.5–4.1 mm (with extended abdomen). – Siberia, N of Far East, Mongolia, N America, ? *sibiricus* J. SAHLBERG, 1880
- Legs distinctly darker, bases of femora brown to dark brown or dark reddish-brown, rarely reddish-brown. Elytra and pronotum with punctuation more fine and less irregular. 5
- 5. Punctuation of elytra evidently larger than that of pronotum; median longitudinal impression of pronotum hardly marked. Bases of femora usually with evident reddish tinge. Aedeagus as in Figs. 1–2. 2.4–3.2 mm. – Middle Siberia: Yenisey River basin. *devius* sp. n.
- Punctuation of elytra quite a little larger than that of pronotum; median longitudinal impression of pronotum shallow but evident. Femoral bases usually without evident reddish tinge. For aedeagus see RYVKIN, 1987a (Fig. 15). 2.5–3.6 mm (with extended abdomen). – NE Europe, N Ural, N Siberia. *veselovae* RYVKIN, 1987

Abbreviations

SMF:	Senckenberg-Museum, Frankfurt am Main.
SMNS:	Staatliches Museum für Naturkunde, Stuttgart.
SMTD:	Staatliches Museum für Tierkunde, Dresden.
AR:	Collection of A. B. RYVKIN.
ZIN:	Zoological Institute of the Russian Academy of Sciences, St. Petersburg.
ZMMU:	Zoological Museum of Moscow University, Moscow.
IBPM:	Institute of Biological Problems of the North, Magadan.

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