

Changes and additions to the Catalogue of Palaearctic Syrphidae. Genus *Cheilosia* Meigen, 1822

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A. V. Barkalov. 1998. Changes and additions to the Catalogue of Palaearctic Syrphidae. Genus *Cheilosia* Meigen, 1822. *Int. J. Dipterol. Res.*, 9(2): 69–77.

The paper contains all taxonomical changes in the genus *Cheilosia* Mg. that appeared during last ten years. 34 papers devoted to systematics of the genus are cited.

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Introduction

More than 40 works devoted to different aspects of taxonomy and biology of the genus *Cheilosia* Meigen, 1822 were published after the publication of Palaearctic Catalogue of Syrphidae (Peck, 1988). Despite of problems with some species this publication apparently had very positive impact, as many papers devoted to difficult problems of syrphid taxonomy appeared in the last years. The study of taxonomy of the genus *Cheilosia* was also stimulated by this book. This article is dealing with new taxonomic evidences in the genus *Cheilosia* with new information on *Distribution* of some species.

The type-localities of species, mentioned in Peck's catalogue are given as in this book. The following abbreviations are used:

A	—	Austria;
Arm	—	Armenia;
B	---	Belgium;
BG	..	Bulgaria;
By	----	Byelorussia;
CH	—	Switzerland;
Cro	—	Croatia;
CzR	—	Czech Republic;
D	—	Germany;
DK	—	Denmark;
E	---	Spain;

ES	—	East Siberia;
F	—	France;
FE	—	Far East of Russia;
GB	—	Great Britain;
Ge	—	Georgia;
GR	—	Greece;
H	----	Hungary;
I	—	Italy;
IRE	—	Ireland;
Ki	—	Kirgizia;
KL	—	Kazakhstan;
L	—	Luxemburg;
N	—	Norway;
NL	—	Netherlands;
P	—	Portugal;
PL	—	Poland;
R	—	Roumania;
RAS	—	Rassian Academy of Sciences;
S	—	Sweden;
Slo	----	Slovenia;
SR	---	Slovak Republic;
SF	—	Finland;
TR	—	Turkey;
Tj	—	Tajikistan;
Tu	----	Turkmenia;
Uk	---	Ukraine;
Uz	----	Uzbekistan;
YU	—	Yugoslavia.

THE LIST OF SPECIES

***Cheilosia abbreviata* SHIRAKI, 1953**

Trans. Shikoku ent. Soc., 3(5—6): 87 (*Cheilosia*).

Type-locality: "Kamikochi, Nagano Pref." (Japan).

Synonyms: *Ch. tsherepanovi* Barkalov, 1988 (**syn. nov.**).

Distribution: Asia: Russia: FE. Japan: Honshu, Shikoku.

***Cheilosia aerea* DUFOUR, 1848**

Annls. Sci. nat. Zool., 3(9): 209 (*Cheilosia*).

Type-locality: "Gallia meridionali occidentali (Saint-Sever)" (France). Type in Muséum National d'Histoire Naturelle, Paris (France).

Synonyms: *Ch. testacicornis* Rondani, 1857; *Ch. erythrostoma* Rondani, 1868; *Ch. zetterstedti* (Becker, 1894); *Ch. gemina* (Becker, 1894); *Ch. correcta* (Becker, 1894); *Ch. bigoti* Becker, 1894, *Ch. lupicina* Séguy, 1961.

Distribution: Europe: PL, SR, CsR, CH, A, E, YU, Cro, GR, BG, L, I, D, F, R, UK, Russia: SET, TC. Asia: Tad., Ki.

***Cheilosia ahenea* (VON ROSER, 1840)**

Correspbl. württ. Landw. Ver. Stuttg. (N.F.), 17(1): 54 (Syrphus).

Type-locality: "Württemberg" (Germany).

Synonyms: *Ch. laskai* Speight, 1978.

Distribution: Europe: IRE, F, D, A, CH, SR, R.

***Cheilosia aristata* BARKALOV, STÄHLS, 1997**

Acta Zool. Fenn., 208: 15.

Type-locality: "Saas-Fee, Valais" (Switzerland). Type in Muséum Zoologique, Palais de Rumine, Lausanne (Switzerland).

Distribution: CH.

***Cheilosia atypica* BARKALOV, 1993b**

Entomol. Obozr., 73(3): 703 (*Cheilosia*).

Type-locality: "North Caucasus, top of Belaya Mountain" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Russia: North Caucasus.

***Cheilosia bakurianiensis* KUZNETSOV, 1987**

Entomol. Obozr., 66(2): 432 (*Cheilosia*).

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Type-locality: "Bakuriani, Georgia". Type in Zoological Institute RAS, St.Petersburg (Russia).

Distribution: Caucasus: Ge.

***Cheilosia balkana* VUJIĆ, 1994b**

Zeit. Entomol., 15(39): 446 (*Cheilosia*).

Type-locality: "Montenegro: Durmitor, Skakala (Sušica canyon-Luke)" (Yugoslavia). Type in National History Museum in Belgrade (Yugoslavia).

Distribution: Europe: I, Slo, YU.

***Cheilosia balu jugorica* BARKALOV, 1993a**

Sib. biol. zhurnal, 3: 40 (*Cheilosia*).

Type-locality: "Yugorskii Peninsula, Polar station Shar" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Europe: NE of Russia.

***Cheilosia barbata* LOEW, 1857**

Verh. zool.-bot. Ver. Wien, 7: 586 (*Cheilosia*).

Type-locality: "Mitteleuropa".

Synonyms: *Ch. vulnerata* (Panzer, 1798); *Ch. geniculata* v. Roser, 1840; *Ch. fuscicornis* Rondani, 1865; *Ch. erythrocheila* Rondani, 1868; *Ch. honesta* Rondani, 1868; *Ch. erythrocheila* Rondani, 1868 (Kertész, 1910) — emendation *Ch. erythrocheila* Rondani, 1868.

Distribution: all Europe. Asia: North KZ, West Siberia.

***Cheilosia barkalovi* STÄHLS
in BARKALOV et STÄHLS, 1977**

Acta Zool. Fennica, 208: 16.

Type-locality: "Talgar, Kazakhstan". Type in Zoological Museum of University of Helsinki (Finland).

Distribution: Asia: South KZ, Ki, Tu.

***Cheilosia bergenstammi* (BECKER, 1894)**

Nova Acta Acad. Caesar. Leop. Carol., 62(3): 462 (*Chilosia*).

Type localities: "Deutschland und Oesterreich; auch Scandinavien" (Germany, Austria, Scandinavia). Type in Museum für Naturkunde der Humboldt-Universität, Berlin (Germany).

Synonyms: *Ch. longicentris* (Becker, 1894).

Distribution: N, S, IRE, GB, DK, NL, D, PL, B, L, F, A, YU, Ukr, Russia: NET, TC.

***Cheilosia bombiformis* (MATSUMURA, 1916)**

Thousand Ins. Japan. Add. **2**: 220, pl. XVI I, fig. 2 (*Nephomyia*).

Type-locality: "Honshu (Nikko)" (Japan).

Synonyms: *Ch. sachtlebeni* Stackelberg, 1963.

Distribution: Asia: Russia: FE: Japan.

***Cheilosia bracus* VUJIĆ, CLAUSSEN, 1994a**

Bonn. zool. Beitr., **45**(2): 137.

Type-locality: "Kopaonik, Samokovska river 1100 m" (Serbia). Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: I, F, SR, E, Slo, Cro, BH, YU, Srb, Mac, BG, Gre.

***Cheilosia brunnipennis* (BECKER, 1894)**

Nova Acta Acad. Caesar. Leop. Carol., **62**(3): 417 (*Cheilosia*).

Type-locality: "Süd-Europa; Sicilien" (Italy). Type in Museum für Naturkunde der Humboldt-Universität, Berlin (Germany).

Synonyms: *Ch. sareptana* (Becker, 1894).

Distribution: Europe: CH, I, Cro, YU, BG, Arm. Russia: SEU, North Caucasus; Asia: Israel.

***Cheilosia calva* BARKALOV, 1990**

Taksonomiya nasekomykh i gelmintov: 122 (*Cheilosia*).

Type-locality: "Tukuringra range, near Zeia town, Amur region" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Russia, Amur region.

***Cheilosia canicularis* (PANZER, [1801])**

Faunae insect. germ., Fasc. **82**: 20 (*Syrphus*).

Type-locality: "Germania" (Germany).

Synonyms: *Ch. aurata* (Fabricius, 1805); *Ch. aripila* Meigen, 1838; *Ch. nowickii* (Loew, 1871); *Ch. naso* (Becker, 1894); *Ch. dilatior* (Strobl, 1897); *Ch. innominata* (Becker in Bezzi and Stein, 1907); *Ch. similis* (Michl, 1911); *Ch. montium* (Szilády, 1938); *Ch. zonana* (Szilády, 1938); *Ch. fulvitaris* van der Goot, 1964.

Distribution: Europe: DK, NL, D, PL, B, F, CH, A, I, Slo, Cro, YU, R, BG; Caucasus: Ge, Arm, Karabakh, Az. Russia: from European part to WS.

***Cheilosia clama* CLAUSSEN, VUJIĆ, 1995**

Entomol. Z., **105**(5): 77 (*Cheilosia*).

Type-locality: Serbia, Kopaonik, Jablanova ravan, 1400 m. Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: F, G, YU.

***Cheilosia clauseni* BARKALOV, STÄHLS, 1997**

Acta Zool. Fennica, **208**: 20 (*Cheilosia*).

Type-locality: Monte Tambo, Italy. Type in Museum für Naturkunde der Humboldt Universität, Berlin (Germany).

Distribution: I, A.

***Cheilosia erratica* BARKALOV, PECK, 1997**

Zool. zhurn., **76**(10): 1172 (*Cheilosia*).

Type-locality: "environs of Khorog settlement, Botanical garden, 2300 m." Type in Zoological Museum of Moscow University (Russia).

Distribution: Asia: Tj.

***Cheilosia exigua* BARKALOV, PECK, 1997**

Zool. Zhurn., **76**(10): 1168 (*Cheilosia*).

Type-locality: "Talasskii Range, gorge Chichkan" (Kirgizia). Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Ki.

***Cheilosia griseifacies* VUJIĆ, 1994a**

Bonn. zool. Beitr., **45**(2): 337 (*Cheilosia*).

Type-locality: "Jugoslawien, Fruška gora, Karlovacki, rit" (Yugoslavia). Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: G, H, Yu.

***Cheilosia grossa* (FALLÉN, 1817)**

Syrphici Sveciae: 53 (*Eristalis*).

Type-locality: "In horto Lundae" (Sweden).

Synonyms: *Ch. lanigulosa* (Becker, 1894); *Ch. asiomontana* Peck, 1971.

Distribution: all Europe, Asia: KZ, Ki, Uz, Russia: NET, CET, SET, West Siberia.

Cheilosia iberica**MARCOS-GARCÍA, CLAUSSEN, 1989**

Bonn. zool. Beitr., **40**(1): 57 (*Cheilosia*).

Type-locality: "Spain, Cáceres, Pro. El Torno". Type in Union of Zoology, Faculty of Biology, University of Salamanca, Spain.

Distribution: Spain.

***Cheilosia impressa* LOEW in Schiner, 1857**

Öffentl. Prüf. Schüler Friedrich-Wilhelms-Gymnasiums zu Posen, 1840: 33 and Isis (Oken's), 1840 (VII-VIII): 570 (*Cheilosia*, for *Syrphus vernalis*; MEIGEN, 1822: Syst. Besch., 3: 290, not FALLÉN, misidentification).

Type-locality: "Posen" [= Poznan] (Poland). Type in Museum für Naturkunde der Humboldt Universität, Berlin (Germany).

Synonyms: *Ch. albicheta* Rondani, 1868; *Ch. geniculata* (Strobl, 1909); *Ch. kusunai* Matsumura, 1911.

Distribution: all Palaearctic except extreme North and South.

***Cheilosia jacutica* BARKALOV, 1988**

Taksonomiia zhivotnykh Sibiri: 102 (*Cheilosia*).

Type-locality: environs of Yakutsk (Russia). Type in Zoological Institution of RAS, Sankt-Petersburg (Russia).

Distribution: Asia: Russia: ES.

***Cheilosia katara* CLAUSSEN, VUJIĆ, 1993**

Entomol. Z., 103(19): 77.

Type-locality: "Griechenland, Pindos-Gebirge, Katara-Pass (86 km E Joannina)" (Greece). Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: GR.

***Cheilosia kozlovi* BARKALOV & PECK, 1994b**

Zool. zhurn., 73(12): 133 (*Cheilosia*).

Type-locality: "valley of Dzhagyngol river, Tibet" (China). Types in the Zoological Institute of the RAS, St. Petersburg (Russia).

Distribution: Asia: Tibet.

***Cheilosia laeviseta* CLAUSSEN, 1987**

Ent. Z., 97(23): 342 (*Cheilosia*).

Type-locality: "St. Moritz, Switzerland". Type in Museum für Naturkunde der Humboldt-Universität, Berlin (Germany).

Synonyms: *Ch. laevis* (Becker, 1894); *Ch. cantabrica* Marcos-Garsia, 1989.

Distribution: Europe: CH, A, I, E, R, YU.

***Cheilosia lasiopa* KOWARZ, 1885**

Wien. ent. Ztg., 4: 204 and 206 (*Chilosia*).

Type-locality: "Asch, Marienbad, Prag" (Czech Republic). Type in University Museum, Oxford (Great Britain).

Synonyms: *Ch. honesta* Rondani, 1868; *Ch. olivacea* Verral, 1873, nec. Zetterstedt, 1838.

Distribution: all Europe. Russia: from European part to East Siberia. Asia: Mongolia.

***Cheilosia laticornis* RONDANI, 1857**

Dipt. Ital. Prodromus, 2: 160 (*Cheilosia*).

Type-locality: "in parmensi apennina" [= region of Parma] (Italy). Type in Museo Zoologico de "La Specola", Florenz (Italy).

Synonyms: *Ch. latifacies* Loew, 1857; *Ch. superciliosa* Rondani, 1868; *Ch. albibarbis* (Bigot, 1884); *Ch. hirticentris* (Bigot, 1884); *Ch. nigroclivata* (Strobl, 1909).

Distribution: Europe: PL, CS, F, CH, E, I, Slo, Cro, Yu, R; Russia: SET, North Caucasus. Asia: TR, Afghanistan; North Africa: Algeria.

***Cheilosia latifrons* (ZETTERSTEDT, 1843)**

Dipt. Scand., 2: 811 (*Eristalis*).

Type localities: "in Suecia media & boreali ...; in Jemtlandia ad diversorium Skaltugan" (Sweden).

Synonyms: *Ch. means* (Fabricius, 1798); *Ch. intonsa* Loew, 1857; *Ch. fraterna* Zetterstedt, ... *Ch. pilifacies* Peck, 1971.

Distribution: all Europe. North Africa. Asia: Ki, KZ; Russia: WS.

***Cheilosia latigena* BARKALOV, PECK, 1994a**

Dipterol. Res., 5: 17 (*Cheilosia*).

Type-locality: "South-east Kazakhstan, Dzhungarskiy Alatau, 45-50 km NE Tekeli town, the upper reaches of the Kora River". Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Ki, South KZ.

Cheilosia latigenis

CLAUSSEN, KASSEBEER, 1993

Ent. Zeitsch., **103**(22): 420 (*Cheilosia*).

Type-locality: "Frankreich, Pyrenées Orientales, W Mont-Louis: Lac de Bouillouses". (France). Type in Museum für Naturkunde der Humboldt-Universität, Berlin (Germany).

Distribution: F.

Cheilosia lithophila BARKALOV, 1985

Sistematika i biologiya chlenistonogikh i gelmintov: **71** (*Cheilosia*).

Type-locality: "Altai Mountains, 15 km S Katanda, 2300 m." (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Russia. WS: Altai Mountains.

Cheilosia longistyla

BARKALOV, PECK, 1994a

Dipterol. Res., **5**: 11 (*Cheilosia*).

Type-locality: "Kyrgyzstan, Ferganskii Range, Yassy River". Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Ki.

Cheilosia lukashovae BARKALOV, 1993bEntomol. obozr., **73**(3): 702 (*Cheilosia*).

Type-locality: "Russia: Stavropolskii area, Teberda settlement". Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Russia: North Caucasus.

Cheilosia matsumurana (SHIRAKI, 1930)

Mem. Fac. Agric. Taihoku imp. Univ., **1**(1): 316 (*Chilosia*).

Type-locality: "Japan - Hokkaido (Josankei)".

Synonyms: *Ch. monerunica* Violovitch, 1971.

Distribution: Asia: Russia: FE; Japan: Hokkaido, Honshu.

Cheilosia melanopa melanopa

(ZETTERSTEDT, 1843)

Dipt. Scand., **2**: 807 (*Eristalis*).

Type-locality: "in Norvegia...: ad diversorium Suulstuen Vaerdaliae (Norway)".

Synonym: *Ch. kamtschatica* Hellén, 1930.

Distribution: Europe: from F to the Ural Mountains and from N to BG; Asia: mountains of Ki and Tu, Siberia to Kamchatka. Mongolia.

Cheilosia melanopa redi VUJIĆ, 1996

Genus *Cheilosia* Meigen and Related Genera (Diptera: Syrphidae) on the Balkan Peninsula: 93 (*Cheilosia*).

Type-locality: "Serbia, Vršacke planine, Fiseš". Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: BH, Yu; Gre, B, H, Rom, Slo, CzR.

Cheilosia melanura rubra VUJIĆ, 1996

Genus *Cheilosia* Meigen and Related Genera (Diptera: Syrphidae) on the Balkan Peninsula, Novi Sad: 98 (as subspecies).

Type-locality: Serbia, Šar-planina, Durov potok. Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: Yu: Mtg, Srb, Mac; GR.

Cheilosia montana EGGER, 1860Verh. zool.-bot. Ges. Wien, **10**: 350 (*Cheilosia*).

Type-locality: "Austria, Alps".

Synonym: *Chilosia trisulcata* Becker, 1894.

Distribution: Europe: PL, SR, CH, L, A, I, R.

Cheilosia mutini BARKALOV, 1984Chlenistonogie i gelminti: 83 (*Cheilosia*).

Type-locality: "Komsomolsk-na-Amure, Silninskii Park" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Russia: FE.

Cheilosia nartshukae BARKALOV, PECK, 1997Zool. zhurn., **76**(10): 1172 (*Cheilosia*).

Type-locality: "Anzob village, North slope of Gissar range" (Tadzhikistan). Type in Zoological Institution RAS, Sankt-Petersburg (Russia).

Distribution: Asia: Tj.

Cheilosia nebulosa (VERRALL, 1871)Entomologists mon. Mag., **7**: 201 (*Chilosia*).

Type-locality: "Manhartsberg Nied. Österr." Type

Type-locality: "Spain, Cáceres, Pro. El Torno". Type in Union of Zoology, Faculty of Biology, University of Salamanca, Spain.

Distribution: Spain.

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Öffentl. Prüf. Schüler Friedrich-Wilhelms-Gymnasiums zu Posen, 1840: 33 and Isis (Oken's), 1840 (VII-VIII): 570 (*Cheilosia*, for *Syrphus vernalis*; MEIGEN, 1822: Syst. Besch., 3: 290, not FALLÉN, misidentification).

Type-locality: "Posen" [= Poznań] (Poland). Type in Museum für Naturkunde der Humboldt Universität, Berlin (Germany).

Synonyms: *Ch. albicheta* Rondani, 1868; *Ch. geniculata* (Strobl, 1909); *Ch. kusunai* Matsumura, 1911.

Distribution: all Palaearctic except extreme North and South.

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***Cheilosia lasiopa* KOWARZ, 1885**

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Type-locality: "Asch, Marienbad, Prag" (Czech Republic). Type in University Museum, Oxford (Great Britain).

Synonyms: *Ch. honesta* Rondani, 1868; *Ch. olivacea* Verrall, 1873, nec. Zetterstedt, 1838.

Distribution: all Europe. Russia: from European part to East Siberia. Asia: Mongolia.

***Cheilosia laticornis* RONDANI, 1857**

Dipt. Ital. Prodrum., 2: 160 (*Cheilosia*).

Type-locality: "in parmensi apennina" [= region of Parma] (Italy). Type in Museo Zoologico de "La Specola", Florenz (Italy).

Synonyms: *Ch. latifacies* Loew, 1857; *Ch. superciliata* Rondani, 1868; *Ch. albibarbis* (Bigot, 1884); *Ch. hirtiventris* (Bigot, 1884); *Ch. nigrociliata* (Strobl, 1909).

Distribution: Europe: PL, CS, F, CH, E, I, Slo, Cro, Yu, R; Russia: SET, North Caucasus. Asia: TR, Afghanistan; North Africa: Algeria.

***Cheilosia latifrons* (ZETTERSTEDT, 1843)**

Dipt. Scand., 2: 811 (*Eristalis*).

Type localities: "in Suecia media & boreali ...; in Jemtlandia ad diversorium Skallstugan" (Sweden).

Synonyms: *Ch. means* (Fabricius, 1798); *Ch. intonsa* Loew, 1857; *Ch. fraterna* Zetterstedt, ... *Ch. pilifacies* Peck, 1971.

Distribution: all Europe. North Africa. Asia: Ki, KZ; Russia: WS.

***Cheilosia latigena* BARKALOV, PECK, 1994a**

Dipterol. Res., 5: 17 (*Cheilosia*).

Type-locality: "South-east Kazakhstan, Dzhungarskiy Alatau, 45-50 km NE Tekeli town, the upper reaches of the Kora River". Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Ki, South KZ.

in Museum für Naturkunde der Humboldt- Universität, Berlin (Germany).

Synonyms: *Ch. langhofferi* (Becker, 1894), *Ch. cecralliana* (Mik, 1897).

Distribution: all Europe. Asia: WS and Central Siberia.

Cheilosia occulta BARKALOV, 1988

Taksonomiiia zhivotnykh Sibiri: 103 (*Cheilosia*).

Type-locality: "environs of Yakutsk" (Russia). Type in Zoological Institute of RAS, Sankt-Petersburg (Russia).

Distribution: Asia: from Polar Ural to South of FE.

Cheilosia orthotricha

VUJIĆ, CLAUSSEN, 1994b

Spixiana, 17(3): 261.

Type-locality: "Serbien, Kukavica mountain, Vučjinka 600 m" (Serbia). Type in Natural History Museum in Belgrade (Yugoslavia).

Distribution: Europe: B, G, CH, CzR, SR, H, Cro, Yu.

Cheilosia pamirica

BARKALOV, PECK, 1994a

Dipterol. Res. 5(1): 19 (*Cheilosia*).

Type-locality: "East Pamir, Bulun-Kul' lake" (Tajikistan). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Tj.

Cheilosia parafasciata BARKALOV, 1990

Redkie gelminty, kleshchi i nasekomye: 112 (*Cheilosia*).

Type-locality: "Primorskii krai, 30 km N Ternei settlement" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Russia: FE.

Cheilosia paragigantea BARKALOV, 1993b

Entomol. Obozr., 73(3): 706 (*Cheilosia*).

Type-localities: "Lysogorskyy, 20 km SW Shusha, Karabakh, Armenia", "O slope of Goderdzy pass, 133 km from Batumi, Georgia", "Bakuriani, 2200 m, Georgia".

Holotype ♂, Lysogorskyy, 20 km SW Shusha, Karabakh, 18.VI.1967 (V. Richter).

Paratypes. 1 ♀, O slope of Goderdzy pass, 133 km from Batumi, Georgia, 3.VII.1967 (V. Richter); 1 ♂, Bakuriani, 2200 m, Georgia, beechwood clearing, 24.V.1972 (Zinovjev).

Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Russia: North Caucasus.

Cheilosia polja BARKALOV, 1990

Redkie gelminty, kleshchi i nasekomye: 114 (*Cheilosia*).

Type-locality: "Primorskii Krai, middle course of Tazhnaia River". Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Russia: FE.

Cheilosia pollinifacies STACKELBERG, 1968

Ent. Obozr., 47(1): 227 (*Cheilosia*).

Type-locality: "Village Lysogorski, 20 km SW Shusha, Karabakh". Type in Zoological Institution RAS, Sankt-Petersburg (Russia).

Synonym: *Ch. aenigmatosa* Barkalov, 1993.

Distribution: Karabakh, Ge. Russia: North Caucasus.

Cheilosia praecox (ZETTERSTEDT, 1843)

Dipt. Scand., 2: 801 (*Frivalis*).

Type localities: "in Scania ad Lund & Abusa ...; in Ostrogothia ad Häradshammar, ad Lärketorp" (Sweden).

Synonyms: *Ch. ruralis* (Meigen, 1822), *Ch. globulipes* (Becker, 1894), *Ch. nevadensis* (Strobl, 1909).

Distribution: all Europe, Caucasus. Russia: NET, CET, SET, Noth Caucasus, WS, ES, FE.

Cheilosia praecox ampla

BARKALOV, PECK, 1997 (comb. nov.)

Zool. Zhurnal, 76(10): 1169 (as subspecies of *Ch. ruralis*).

Type-locality: "Chatkalskii Range, Arkit" (Kirgizia). Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Ki, KZ.

Cheilosia primoriensis BARKALOV, 1990

Taksonomiiia nasekomykh i gelmintov: 123 (*Cheilosia*).

Type-locality: "Lukianovka Village, Primorskii Krai" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Asia: Russia: ES, FE.

Cheilosia stackelbergi stackelbergi

BARKALOV, PECK, 1994a

Dipterol. Res., **5**(1): 11—19 (*Cheilosia*).

Type-locality: "Gissarskiy range, Takob" (Tadzhikistan). Type in Institute of Animal Systematics and Ecology, Novosibirsk (Russia).

Distribution: Asia: Tj.

Cheilosia stackelbergi aliena

BARKALOV, PECK, 1997

Zool. Zhurn., **76**(10): 1171 (*Cheilosia*).

Type-locality: "Dzhetim range, M. Naryn, Kalmakashu Canyon" (Kirgizia). Type in Institute of Animal Systematics and Ecology, Novosibirsk (Russia).

Distribution: Asia: Ki.

***Cheilosia teberdensis* BARKALOV, 1993b**

Entomol. Obozr., **73**(3): 705 (*Cheilosia*).

Type-locality: "Teberdinskii Reserve, North Caucasus" (Russia). Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Russia: North Caucasus.

***Cheilosia tonsa* (SACK, 1938)**

Mitt. schweiz. ent. Ges., **17**(6): 221 (*Cheilosia*).

Type-locality: "Piz Lischanna, SO-Grat, Switzerland". Type in Naturhistorisches Museum, Basel (Switzerland).

Synonym: *Ch. nigerrima* Lindner, 1954.

Distribution: Europe: A, CH, L.

Cheilosia tyanshanica

BARKALOV, PECK, 1994a

Dipter. Res., **5**(1): 15 (*Cheilosia*).

Type-locality: "South-East Kazakhstan. Dzungarskiy Alatau, 40 km N.-E. Tekeli town, the upper reaches of Kora River". Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk. (Russia).

Distribution: Asia: KZ, Ki.

***Cheilosia uniformis* (BECKER, 1894)**

Nova Acta Acad. Caesar. Leop. Carol., **62**(3): 499 (*Cheilosia*)

Type-locality: not given (Europe).

Synonym: *Ch. argentifrons* Hellén, 1914.

Distribution: Europe: SF, S, NL, B, Slo, Srb.

***Cheilosia ussuriiana* BARKALOV, 1980**

Systematica i ekologiya zhivotnykh, **14**: 132 (*Cheilosia*).

Type-locality: South Primorie, environs of Ussuriisk Town, Russia. Types in the Zoological Institute of the RAS, St.Petersburg (Russia).

Distribution: Russia: FE.

***Cheilosia vernalis* (FALLÉN, 1817)**

Syrphici Sveciae: 55 (*Eristalis*).

Type-locality: "Scania" [= prov. Skåne] (Sweden).

Synonyms: *Ch. pallidicornis* (Meigen, 1822); *Ch. luctuosa* Meigen, 1838; *Ch. nitida* Meigen, 1838; *Ch. obscura* Loew, 1840; *Ch. rotundicornis* (Hellén, 1914); *Ch. minuta* (Szilády, 1938).

Distribution: all Europe: from Scandinavia to E. I. Russia: from Leningrad region to Caucasus, WS, ES, FE.

***Cheilosia vicina* (ZETTERSTEDT, 1849)**

Dipt. Scand., **8**: 3175 (*Eristalis*).

Type localities: "ad Hafniam" (Sweden, Denmark).

Synonyms: *Ch. nasutula* (Becker, 1894), *Ch. recens* (Becker, 1894).

Distribution: Europe: SF, GB, DK, NL, D, PL, CS, B, L, F, CH, A, R, YU; Russia: NET, CET, WS.

***Cheilosia vulpina* (MEIGEN, 1822)**

Syst. Besch., **3**: 292 (*Syrphus*).

Type-locality: "England, Lyme Regis" (Great Britain). Type in British Museum (London).

Synonyms: *Ch. pigra* Loew, 1840; *Ch. corvops* Becker, 1894.

Distribution: all Europe except extreme North and South. Asia: Siberia to Central Yakutia.

***Cheilosia xanthella* BARKALOV, PECK, 1997**

Zool. zhurn., **76**(10): 1175 (*Cheilosia*).

Type-locality: "Kungei range, Karkara river, Tyan-Shan, 2200 m." (Kirgizia). Type in Institute of Animal Systematics and Ecology RAS, Novosibirsk (Russia).

Distribution: Asia: Ki.

***Cheilosia zoltani* BARKALOV, PECK, 1989**

Insects of Mongolia, **10**: 612 (*Cheilosia*).

Type-locality: "Mongolia, Hubsugul aimak, 25 km SSE Muren". Type in Zoological Institute RAS, Sankt Petersburg (Russia).

Distribution: Asia: Mongolia.

Species replaced to other genera or regions***Syrphocheilosia claviventris* (Strobl, 1910)**

Mitt. naturw. Ver. Steierm., **46**: 104 (*Chilosia*).

Type-locality: "Um die Scheiplalm des Bösenstein" (Austria).

Synonyms: *Chilosia tyrolica* Szilády, 1938; *Syrphocheilosia aterrima* Stackelberg, 1964.

Distribution: Europe: CH, A; I, Caucasus: Arm.

***Leiota ruficornis* (Zetterstedt, 1843)**

Dipt. Scand., **2**: 847 (*Psilota*).

Type-locality: "ad Smedslätten prope Holmiam" [= near Stockholm] (Sweden).

Synonym: *Cheilosia strandi* DUDA, 1940.

Distribution: Europe: S, SF, D, PL, Russia: CET, Siberia.

***Cheilosia hoodiana* (Bigot, 1883)**

Soc. Ent. de France, Ann. ser., **6**(3): 552 (*Cartosyrphus*).

Synonym: *Ch. metallina* (BECKER, 1894)

Type-locality: ? "Frankreich" (? France).

Distribution: North America.

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