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

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A. V. Barkalov. 1998. Changes and additions to the Catalogue of Palearctic 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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Key words. Catalogue, Syrphidae, *Cheilosia*, Palearctic.

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 Palearctic 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.

IE 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

Annl. 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* Séguay, 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, STÅHLS, 1997

Acta Zool. Fenn., 208: 15.

Type-locality: "Saas-Fee, Valais" (Switzerland). Type in Musée 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*).

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. erythrochila* Rondani, 1868 (Kertész, 1910) — emendation *Ch. erythrocheila* Rondani, 1868.

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

Cheilosia barkalovi STÅHLS in BARKALOV et STÅHLS, 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. longiventris* (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 bracusi* 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 (*Chilosia*).

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: SET., 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. auripila* Meigen, 1838; *Ch. nowickii* (Loew, 1871); *Ch. naso* (Becker, 1894); *Ch. dilutior* (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 exiqua* 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 Dzhangyngol 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. 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.

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

Sistematica i biologija 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, 1993b

Entomol. 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. moneronica* Violenitch, 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 an Tu, Siberia to Kamtchatka. 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, Czi

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, 1860

Verh. 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, 1984

Chlenistonogie i gelminti: 83 (*Cheilosia*).

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

Distribution: Asia: Russia: FE.

Cheilosia nartshukae BARKALOV, PECK, 199

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

Type-locality: "Anzob village, North slope of Giss 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." Tyt

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

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

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

***Cheilosia occulta* BARKALOV, 1988**

Taksonomiia 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, klezhi 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. aenigmatica* Barkalov, 1993.

Distribution: Karabakh, Ge. Russia: North Caucasus.

***Cheilosia praecox* (ZETTERSTEDT, 1843)**

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

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**

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

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

Sistemática i biologija 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, 1993b

Entomol. 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)

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Synonyms: *Ch. moneronica* Violenovitch, 1971.

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

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(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 at Tu, Siberia to Kamtchatka. Mongolia.

Cheilosia melanopa redi VUJIĆ, 1996

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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, 1860

Verh. 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, 1984

Chlenistonogie i gelminti: 83 (*Cheilosia*).

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

Distribution: Asia: Russia: FE.

Cheilosia nartshukae BARKALOV, PECK, 1997

Zool. 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

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

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

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

Cheilosia occulta BARKALOV, 1988

Taksonomiia 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

Cheilosia orthotricha

ČIČ, CLAUSSEN, 1994b

Entomofauna, 17(3): 261.

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

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

Cheilosia pamirica

BARKALOV, PECK, 1994a

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

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

Distribution: Asia: Tj.

Cheilosia parafasciata BARKALOV, 1990

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

Type-locality: "Primorskii krai, 30 km N Terneynoye" (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 from Batumi, 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

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

Type-locality: "Primorskii Krai, middle course of Taekhnaya 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. aenigmatica* Barkalov, 1993.

Distribution: Karabakh, Ge. Russia: North Caucasus.

Cheilosia praecox (ZETTERSTEDT, 1843)

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

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, North 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

Taksonomiia 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, Kalmakshu 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 (*Chilosia*).

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

Synonym: *Ch. nigerrima* Lindner, 1954.

Distribution: Europe: A, CH, I.

***Cheilosia tyanshanica*
BARKALOV, PECK, 1994a**

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

Type-locality: "South-East Kazakhstan, Dzungearskiy 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 (*Chilosia*)

Type-locality: not given (Europe).

Synonym: *Ch. argentifrons* Hellén, 1914.

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

***Cheilosia ussuriana* 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. conops* 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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