

GÜNTHER MORGE† & JAN MÁČA¹

Lonchaeinae (Diptera: Lonchaeidae) of Czechoslovakia — present state of faunistics

Notes on the Czechoslovak Lonchaeinae are scattered in more than 40 faunistic and other papers. Within them, the faunistic data are often inaccessible or, in some cases, identification of localities is difficult because of changes of their names. Some papers do not indicate the deposition of material, which makes revisions of specimens difficult. The revisions of specimens are important, as old records (previous to 1959), unless proved recently, are mostly unreliable (and also because future taxonomic rearrangements may be expected). On the other hand, there is almost 300 specimens of Lonchaeinae in various collections, which have been recently determined by authors and by the specialists J. F. McALPINE and V. G. KOVALEV but never recorded in the literature. Therefore, faunistic survey of the Czechoslovak members of the subfamily is given here; synopsis of the other subfamily — Dasiopinae — from Czechoslovakia will be presented by the junior author in the Dipterol. Bohemoslov., 5 (editor: Museum, Čes. Budějovice).

Only the synonyms already used in publications on Czechoslovak Lonchaeidae are used. The geographic distribution of species in question is not given; it will be summarized in the Catalogue of Palaearctic Diptera. One to three kinds of information may be presented concerning each species, namely:

a) Published records from Czechoslovakia. Under each quotation, pertinent localities are given (with original wording — if different from the present — in parentheses). KOWARZ (1894) did not specify the localities; if the localities could be identified according to his material deposited in the National Museum, Praha, they are given with a note "in coll.". Further information, separated by a semicolon, refers to the deposition of documentary material (abbreviations: HK-Museum of Eastern Bohemia, Hradec Králové; MB — Zoological Museum, Berlin; MM — Moravian Museum, Brno; MO — Silesian Museum, Opava; MP — National Museum, Praha; MS — Museum Tábor, Nat. Hist. Department, Soběslav; MW — Natural History Museum, Wien). Most of the material which could not be located must be considered lost. A symbol of the determinator's name (Al — McALPINE, Ko — KOVALEV, Má — MÁČA, Mo — MORGE) is placed behind, separated by further semicolon. If the same locality is quoted in several papers, reference is given only to the oldest paper, as a rule.

b) Unpublished material studied. For convenience, localities are grouped according to countries, and then according to individual collections (a survey of localities and their geographic situation are given in the Fig. 1). Date of collecting, number and sex of specimens, deposition, and symbol of determinator's name are presented in most cases. The name of collector is given only unless it is that of the curator of collection. In some relatively common species, data of collecting and number of specimens are summarized by months, as there are no extreme differences among localities in the phenologic respect.

c) Various notes.

The Lonchaeinae of Czechoslovakia are very poorly known. Only several collectors paid attention to them; mainly for that reason the localities are very unevenly distributed on the territory of the state; the Českomoravská Highlands, Šumava Mts., or the mountainous part of Western Slovakia remained practically untouched by collectors. There is a great number of localities yielding only one specimen of Lonchaeinae each, which gives evidence of only incidental collecting. In spite of it, the small number of studied specimens yielded 32 species; therefore, the real number of the Czechoslovak species must be substantially higher.

¹ Museum Tábor, Nat. Hist. Department, 392 01 Soběslav, Czechoslovakia

***Protearomyia nigra* (MEIGEN, 1826)**Syn.: *Lonchaea inaequalis* LOEW, 1873

a) Bohemia: MORGE (1962): Karlovy Vary (Carlsbad), Mariánské Lázně (Marienbad); not located; Mo. Moravia: CZIŽEK (1908): Líšeň-Říčka (Lösch-Říčkatál); Coll. MM; Mo, Ko. MORGE (1962): Praděd (Altvater); not located; Mo. MARTINEK, 1984: Strážnice-přívóz; Coll. MARTINEK; Mo. Slovakia: MORGE (1962): Tekovské Lužany (Nagysalló); not located; Mo. MARTINEK (1976): Čajkov, Kozárovce, Malé Krškany, Chotín; all Coll. MARTINEK; Mo. MARTINEK (in press a): Hradište pod Vrátnom, Buková, Píla, Kysel v Slov. Raji; all Coll. MARTINEK; Mo. MÁČA (in press): Koprovica, Filakovo, Jakubov; Coll. MS, BARTÁK, MP, respectively; Má, Al.

b) Bohemia: Ostrovec nr. Písek, 7. VI. 1985 — 1♀ (Coll. MS; Al), Vráž nr. Písek, 8. VI. 1975 — 1♂ (Coll. MS; Má), Písty, VI. 1976 — 1♂, Žehuň, VI. 1976 — 1♂ (both Coll. MARTINEK; Mo). Moravia: Brno-Bystrc, 12. VI. 1981 — 1♀, Brno-Kozí hora, 16. VI. 1981 — 1♀, Bílovice nad Svitavou, 13. VI. 1981 — 1♀ (all Coll. BARTÁK; Má), Lednice, 12. V. 1981 — 3♂, 19. V. 1981 — 2♂, 2. VI. 1981 — 2♂, 1♀ (Coll. VAŇHARA; Má). Slovakia: Kováčov, 14. V. 1984 — 1♂, 16. V. 1984 — 5♂, 17. V. 1984 — 1♂, 18. V. 1984 — 3♀ (Coll. MO; Má).

c) Locality „Loso . . .eck, leg. KOWARZ“, quoted by MORGE (1962), is probably Lučenec Losonez) in Slovakia.

***Chaetolonchaea brevopilosa* CZERNY, 1934**

a) Slovakia: MÁČA (in press): Zvolen; Coll. McALPINE; Al.

***Chaetolonchaea dasyops* (MEIGEN, 1826)**

a) Bohemia: KOWARZ (1894) — see c). Moravia: CZIŽEK (1910): Brno-Královo Pole (Karthaus); not located. Slovakia: MÁČA (in press): Devínská Kobyla, Jelenec, Košice; Coll. KOZÁNEK, MS, MP, respectively; Má, Al.

b) Bohemia: Radotín, 8. VI. (year ?) — 1♀, leg. ČEPELÁK (Coll. MP; Al).

c) In the collection of MP, there is a ♀ from „Franzensbad (= Františkovy Lázně), KOWARZ leg.“, bearing McALPINE's label „? *C. dasyops*“. KOWARZ (1894) refers probably to this specimen. Another specimen — from Nabdín nr. Velvary, V. 1921, leg. BINDER (Coll. MP) — has the same determination label.

***C. pallipennis* (ZETTERSTEDT, 1855)**

a) Bohemia: MARTINEK (in press a): Týnec nad Labem; Coll. MARTINEK; Mo.

b) Moravia: Brno-Obřany (Obratal), 12. VI. 1908 — 1♀, leg. LANDROCK (Coll. MM; Mo).

c) New species for Moravia.

***Earomyia impossibile* MORGE, 1959**

a) Slovakia: MÁČA (in press): Filakovo, Podunajské Biskupice; Coll. BARTÁK, KOZÁNEK, respectively; Má.

b) Slovakia: Kováčov, 17. V. 1984 — 1♀ (Coll. MO; Má).

***E. inquilina* (HENDEL in SEITNER, 1929)**

a) Moravia: SEITNER (1929): „Mähren“; not located.

c) Type locality of *E. inquilina*. The species is hardly to interpret, as no material has been preserved.

***E. lonchaeoides* ZETTERSTEDT, 1848**

Syn.: *Lonchaea crassinervis* ZETTERSTEDT, 1852; *L. frontata* BECKER, 1895.

a) Bohemia: KOWARZ (1894): Aš (Asch) — in coll.; Coll. MB; Mo.

c) COLLIN (1953) mentions a KOWARZ specimen determined "*L. crassinervis*"; the same series (compare collecting data given by MORGE, 1962: 406) includes type material of *L. frontata*.

E. schistopyga COLLIN, 1953

- b) Bohemia: Praha-Přední Kopanina, 6. III. 1957 — 1♂, leg. officers of Res. Inst. Plant Protection, Ruzyně (Coll. ZUSKA; Al).
c) New species for Czechoslovakia.

E. tomskensis MORGE, 1959

- b) Bohemia: Praha-Motol, 18. VI. 1955 — 1♀, leg. MACEK (Coll. MO, Ex.-Nr. 4938, by MORGE; Mo).
c) New species for Czechoslovakia. According to the senior author (correspondence to junior author, January 1984), *E. tomskensis* should be considered species propria, not a synonym of *E. bazini* SÉGUY, 1932.

E. viridana (MEIGEN, 1826)

- a) Bohemia: ČERMÁK (1952): Konopiště; not located. MORGE (1959, p. 909): Praha-Královská obora; not located; Mo. MARTINEK (in press a): Týnec nad Labem; Coll. MARTINEK; Mo. Moravia: ČERMÁK (1952): Adamov, Babice (nad Svitavou?); not located. MARTINEK (1984): Strážnice-přívóz; Coll. MARTINEK; Mo. Slovakia: ČERMÁK (1952): Čierný Váh; not located. MÁCA (in press): Filakovo, Devínská Kobyla, Bratislava, Jurský Šúr, Podunajské Biskupice, Ivanka pri Dunaji; Coll. KOZÁNEK and (Filakovo) Coll. BARTÁK; Má.
b) Bohemia: Praha-Bílá hora, Praha-Šárka, Chábory (all Coll. MARTINEK; Mo), Soběslav, Dírná, Benešov nad Černou (all Coll. MS; Má), Praha-Ruzyně, Čelákovice (both Coll. ZUSKA; Al), Nymburk, Hrdlovka-Herrlich (both Coll. MP; Al), Praha-Bohnice, Kunice (both Coll. BARTÁK; Má). Moravia: Ivančice (Coll. MARTINEK; Mo), Lednice (Coll. VAŇHARA; Má), Nýdek, Třinec, Strachotín, Adamov (all Coll. BARTÁK; Má), Klokotčov — distr. Opava (Coll. MO; Mo), Brno-Obřany (Coll. MM; Mo), Ohrozm, leg. VÁLA (Coll. Rozkošný; Má).

Data of collecting: IV — 6 ex., V — 20 ex., VI — 9 ex., VII — 2 ex., XI — 1 ex.

- c) The specimens mentioned by ČERMÁK (1952) were most probably wrongly determined, in consideration of the biologic data, given by MORGE (1963, p. 196).

E. virilis COLLIN, 1953

- a) Slovakia: MÁCA (in press): Filakovo; Coll. BARTÁK; Má.
c) The documentary specimen is a female, morphology of which is not yet described. Nevertheless, it fits well to this species.

Setisquamalonchaea fumosa (EGGER, 1862)

- a) Bohemia: MARTINEK (1973): Chábory; Coll. MARTINEK; Mo. MARTINEK (1975): Horšovský Týn; Coll. MARTINEK; Mo. MÁCA (1977): Purkarec; Coll. MS; Má. Moravia: LANDROCK (1910): Brno-Obřany (Obratal); not located. DIRLBEK & ROHÁČEK (1983): Skřítek; Coll. MO; Mo. Slovakia: MÁCA (in press): Filakovo, Zadiel, Jurský Šúr — leg. KOZÁNEK, Jelenec, Devínská Kobyla, Smolenice, Bratislava, Bratislava-Lamač, Láb, Cífer, Šamorín, Ivanka pri Dunaji; Coll. KOZÁNEK, Coll. MS (Jelenec), Coll. MP (Jurský Šúr), Coll. MO (Zadiel), Coll. BARTÁK (Filakovo); Al, Má, Mo.

- b) Bohemia: Praha-Krč, Praha-Modřany (both leg. MACEK, Coll. MO; Mo), Praha-Šárka, Praha-Dubeč (both Coll. MARTINEK; Mo), Soběslav (Coll. MS; Al, Má), Veselí n. Luž-Žišov, Borkovice, Val, Přesečka nr. Třeboň, Počátky (all MS; Má), Pavlov nr. Praha (Coll. ZUSKA; Al), Svádov — leg. MACEK, Račice-Předonín, Nymburk-Třebetovice (all Coll. NM; Al), Praha-Ruzyně, Praha-Holešovice, Velký Osek, Přerov nad Labem, Žehuň (all Coll. BARTÁK; Má). Moravia: Jeseník (Freiwaldau), Kyčera, Komorní Lhotka, Pavlovské

vrchy (all Coll. MP; Al), Černovice (coll. MM; Mo, Ko), Velký Polom, Brno-Kozí hora (both Coll. BARTÁK; Má), Slatinice — leg. PALÁSEK, Moravský Krumlov (both Coll. MARTINEK; Mo), Lednice (Coll. VAŇHARA; Má), Moravský Kras-Skalní mlýn, Božice nr. Znojmo, Strachotín, Sedlec, Staré Hamry (all Coll. ROZKOŠNÝ; Ko). Slovakia: Lutiše, Čierny Balog (both Coll. ROZKOŠNÝ; Ko, Má).

Data of collecting: IV — 5 ex., V — 9 ex., VI — 12 ex., VII — 11 ex., VIII — 5 ex., IX — 6 ex., X — 2 ex., XI — 1 ex.

c) In the collection of MS there are some specimens conforming to *S. setisquama* CZERNY, 1934, which is recently considered a synonym of *S. fumosa*.

S. retaliationis (McALPINE, 1964)

a) Slovakia: MÁČA (in press): Devínská Kobyla, Jurský Šúr; Coll. KOZÁNEK; Má.

Lonchaea albigena COLLIN, 1953

e) This species has been given from Czechoslovakia in a multigraphed list of Czechoslovak *Lonchaeidae* (MORGE & DOSKOČIL, 1971). The list was compiled by DOSKOČIL on the basis of MORGES' determinations, supplemented by resources from literature; the record of *L. albigena* was based on a misinterpretation of the locality Genthin, given by COLLIN (1953, p. 190). This locality is in the Germ. Dem. Republic. For the time being, we do not know this species from Czechoslovakia.

L. chorea (FABRICIUS, 1781)

Syn.: *L. vaginalis* FALLÉN, 1820; *L. flavidipennis* ZETTERSTEDT, 1847

a) Bohemia: KOWARZ (1894): Františkovy Lázně (Franzensbad) — in coll.; Coll. MP; AL. VIMMER (1922): Golčův Jeníkov; not located. KOLUBAJIV & KALANDRA (1954): Valdek nr. Kladno, Mariánské Lázně-Valy; not located. MARTINEK (1973): Dobruška, Chábory; Coll. MARTINEK; Mo. MARTINEK (1975): Horšovský Týn; Coll. MARTINEK; Mo. MÁČA (1977): Purkarec; Coll. MS; Má. MARTINEK (in press a): Týnec nad Labem; Coll. MARTINEK; Mo. Moravia: CZIŽEK (1906): Brno-Kamenný Mlýn (Steinmühle); Coll. MM; Mo. Slovakia: KOWARZ (1883): Lastovce (Lasztócz); not located. BRANCSIK (1910): Trenčín (Trencsén); not located. MARTINEK (in press b): Píla; Coll. MARTINEK; Mo. MÁČA (in press): Bratislava-Červený Kríž, Bratislava-Lamač, Ipel'ské Úľany, Jakubov, Ivanka pri Dunaji, Jurský Šúr, Sereď, Cífer, Šamorín, Senec (all Coll. KOZÁNEK; Má).

b) Bohemia: Praha-Podbaba, Praha-Suchdol, Praha-Bílá Hora, Hlavenec nr. Brandýs, Kozly nr. Louny, Černá Studnice nr. Jablonec, Pšov, Žehuň (all Coll. MARTINEK; Mo), Soběslav — leg. KAISLER et MÁČA (Coll. MS; Al, Má), Tábor-Měšice (Coll. MS; Má), Praha-Ruzyně — leg. ZUSKOVÁ, Pavlov nr. Praha, Rakovník-Skryje, Kačlehy (all Coll. ZUSKA; Al), Vráž nr. Beroun, Kyškovice nr. Roudnice, Lubná nr. Rakovník (all leg. BINDER, Coll. MP; Al), Lysá nad Labem, Prácheň (both leg. ČEPELÁK, Coll. MP; Al), Peřimov nr. Jilemnice (leg. DLABOLA, Coll. MP; Al), Praha-Kunratice (leg. KOVÁŘ, Coll. MP; Al), Most, Kralupy (both Coll. MP; Al), Nový Hradec Králové (Coll. HK; Má), Dymokury — leg. ZEMAN (Coll. MÁČA; Má). Moravia: Ivančice, Moravský Krumlov, Dolní Čubov (all Coll. MARTINEK; Mo), Lednice (Coll. VAŇHARA; Má), Hněvošice nr. Opava (Coll. MO; Mo), Brno-Kamenný Mlýn, Tovačov, Kuřim (all leg. LANDROCK, Coll. MM; Mo), Strachotín, Sedlec (both Coll. ROZKOŠNÝ; Ko). Slovakia: Kolárovo — leg. PTÁČEK (Coll. ZUSKA; Al), Závod — leg. BĚLÍN, Hačava valley, Runina (all Coll. ROZKOŠNÝ; Ko).

Data of collecting: III — 1 ex., IV — 14 ex., V — 20 ex., VI — 19 ex., VII — 18 ex., VIII — 23 ex., IX — 4 ex., X — 5 ex.

c) Records of this species by KOLUBAJIV & KALANDRA (1954) refer probably to another species, as *L. chorea* is a saprophagous species, not predator of Scolytidae. Some additional papers record *L. chorea* from Czechoslovakia without giving concrete localities. — On the specimen from Sereď there is attached a nymph of the mite *Dendrolaelaps* sp. (det. K. SAMŠIŘÁK, Praha).

L. contigua COLLIN, 1953

- a) Slovakia: MÁČA (in press): Zadiel; Coll. MS; Má.
- b) Bohemia: Purkarec, 24. VI. 1975 — 1 ♀, Poněšice, 10. IX. 1974 — 1 ♀ (both Coll. MS; Al).
- c) New species for Bohemia.

L. contraria CZERNY, 1934

- a) Bohemia: CZERNY (1934): Mariánské Lázně (Marienbad); not located.
- c) The paratype(s) from Mariánské Lázně cannot be located as yet; the revision is badly needed, as the type series of *L. contraria* consists of several species (KOVALIEV, 1984). KOVALIEV (op. cit.) records *L. contraria* from Czechoslovakia on the base of MORGE's information, which is probably based on 2 ♂ of Coll. MARTINEK from Bohemia: Hlavenec nr. Brandýs, 13. VI. 1960, labelled "*L. ? contraria*" by MORGE.

L. corusca CZERNY, 1934

- b) Moravia: Komorní Lhotka (Kameral Ellgoth), 6. VI. 1874 — 1 ♀, leg. HETSCHKO (Coll. MP; Al).
- c) New species for Czechoslovakia.

L. deutschii ZETTERSTEDT, 1838

- c) VIMMER (1913) mentions „*L. lucidiventris* BCK. = *Deutschii* SCHIN.“ from Bohemia: Kladno; his collection in the MP does not presently contain any specimen from this locality. With regard to the ambiguity between classifying this record as *L. sylvatica* BELING or *L. deutschii* ZETT., the record is unreliable. Another specimen from Bohemia, possibly belonging to *L. deutschii* (Bednárec, 21. VII. 1982 — 1 ♀, Coll. MS; Má) is not well preserved and thus the determination is not certain; occurrence of *L. deutschii* in Czechoslovakia needs to be confirmed.

L. fugax BECKER, 1895

- a) Slovakia: MÁČA (in press): Podunajské Biskupice, Štúrovo; Coll. KOZÁNEK, Coll. HK., respectively; Má.
- b) Slovakia: Lutiše, 11. V. 1980 — 1 ♂ (Coll. ROZKOŠNÝ; Má).

L. laticornis MEIGEN, 1826

- a) Bohemia: KALANDRA (1958): Jirkov nr. Chomutov; not located. Slovakia: ČAPEK (1957): Vyhne nr. Banská Bystrica; not located.

L. limatula COLLIN, 1953

- a) Slovakia: MÁČA (in press): Pohronský Vel'ký Inovec; Coll. MS; Má.
- b) Bohemia: Soběslav, 13. IX. 1972 — 1 ♀, Velechvín 22. VIII. 1973 — 1 ♂, Poněšice, 10. IX. 1974 — 1 ♀ (all Coll. MS; Al), Dírná, 5. VI. 1982 — 1 ♀ (Coll. MS; Má).
- c) New species for Bohemia.

L. obscuritarsis COLLIN, 1953

- a) Moravia: DIRLBEK & ROHÁČEK (1983): Skřítek; Coll. MO; Mo.
- b) Bohemia: Horní Blatná, 6. VI. 1957 — 1 ♂, leg. ŠKALOUDOVÁ (Coll. ZUSKA; Al).
- c) New species for Bohemia.

L. palposa ZETTERSTEDT, 1847

- a) Bohemia: KOWARZ (1894): no correct locality given; not located. Moravia: KŘÍSTEK (1966): Lechovice nr. Znojmo; not located. Slovakia: MÁČA (in press): Podunajské Biskupice; Coll. KOZÁNEK; Má.

b) Bohemia: Kralupy, IX. 1926 — 1 ♀ (leg. ?, Coll. MP; Al), Praha-Střešovice, 1. VII. 1971 — 1 ♀ on window (Coll. MARTINEK; Mo), Praha-Ruzyně, 29. VII. 1981 — 1 ♀ (Coll. BARTÁK; Má), Soběslav-Svákov, 14. VIII. 1979 — 1 ♂, 15. X. 1979 — 1 ♂ (Coll. MS; Má).

***L. patens* COLLIN, 1953**

- a) Slovakia: MÁČA (in press): Podunajské Biskupice; Coll. KOZÁNEK; Má.
- b) Bohemia: Týn nad Vltavou, 8. VII. 1975 — 1 ♂ (Coll. MS; Al).
- c) New species for Bohemia.

***L. peregrina* BECKER, 1895**

- a) Bohemia: MORGE (1959, p. 29): Praha-Královská obora; Coll. MW; Mo. Moravia: KOVALEV (1981): Pouzdřany, Dolní Věstonice; Coll. KOVALEV; Ko.

***L. postica* COLLIN, 1953**

a) Bohemia: MARTINEK (in press a): Týnec nad Labem; Coll. MARTINEK; Mo. Slovakia: Soós (1980): Veľký Šariš (Nagysáros); not located, probably in Museum Budapest. MARTINEK (in press b): Hradište pod Vrátnom; Coll. MÁRTINEK; Mo.

b) Bohemia: Praha-Šárka, 5. V. 1971 — 1 ♂, 1 ♀, Praha-Bílá hora, 21. V. 1967 — 1 ♀, Rakovník, 17. VI. 1971 — 1 ♀, Kozly nr. Louny, 17. V. 1964 — 1 ♂ (all Coll. MARTINEK; Mo), Soběslav-Svákov, 14. VIII. 1979 — 1 ♀, Rabyně, 15. VI. 1984 — 1 ♀ (both Coll. MS; Má), Horní Kalná, 16. VII. 1980 — 1 ♂ (Coll. HK; Má), Praha-Krč, 24. VI. 1955 — 2 ♀, Praha-Modřany, 5. VI. 1955 — 1 ♀ (both leg. MACEK, Coll. MO; Má). Moravia: Lednice, 24. VI. 1962 — 2 ♀ (Coll. MARTINEK; Mo), 12. V. 1981 — 1 ♀ (Coll. VAŇHARA; Má), Brno-Pisárky, without date — 1 ♂, Brno-Kamenný Mlýn, 4. V. 1908 — 1 ♀ (both leg. LANDROCK, Coll. MM; Mo).

- c) New species for Moravia.

***L. scutellaris* RONDANI, 1874**

b) Bohemia: Nové Město nr. Teplice, 14. VI. 1968 — 1 ♂, Praha-Krč, III. 1957 — 2 ♂, 5 ♀ ex galleries of *Scolytus ratzeburgi* (all Coll. MARTINEK; Mo).

- c) New species for Czechoslovakia.

***L. seitneri* HENDEL, 1928**

a) Bohemia: KOLUBAJIV (1934): Jirny; not located. KOLUBAJIV & KALANDRA (1954): Dobříš, vicinity of Kladno, Krkonoše Mts., Králický Sněžník; not located. KOLUBAJIV (1958): Slapy, Mariánské Lázně-Valy; not located.

b) Moravia: Nýdek, 14. V. 1981 — 1 ♀ (Coll. BARTÁK; Má).

c) Locality Králický Sněžník, mentioned by KOLUBAJIV & KALANDRA (1954), lies on the boundary line between Bohemia and Moravia. Anyway, the locality Nýdek is the first undisputed Moravian locality of this species.

***L. subneatosa* KOVALEV, 1974**

- a) KOVALEV (1984): Czechoslovakia — no concrete locality given; Coll. KOVALEV; Ko.

***L. sylvatica* BELING, 1873**

Syn.: *L. lucidiventris* BECKER, 1895

a) Bohemia: KOLUBAJIV & KALANDRA (1954): Rezek in Krkonoše Mts., Karlovy Vary-Bukovina; not located. Moravia: LANDROCK (1908): Kerhartice (Gersdorf); not located. Slovakia: FEKETE (1914): District (Komitát) Trenčín; not located. MÁČA (in press): Zadiel; Coll. MS; Má.

b) Bohemia: Purkarec, 16. IX. 1975 — 1 ♀, Ševětín, 5. VII. 1977 — 2 ♀, Bednárec, 21. VII. 1982 — 1 ♀ (all Coll. MS; Al, Má), Velký Osek-Oseček, 1.—3. VIII. 1967 — 1 ♀ (Coll. Rozkošný; Ko), Zdobnice, 18. VIII. 1963 — 1 ♂ (leg. ZEMAN, Coll. HK; Má). Moravia: Hradec nad Moravicí, 6. VI. 1979 — 1 ♀ (Coll. MO; Mo), Daskabát, 2. IV. 1983 — 1 ♂, 1 ♀, Nýdek-Střelma, 23. VIII. 1982 — 1 ♀, Strachotín, 2. VII. 1978 — 1 ♂, Trinec-Jahodná, 3. IV. 1983 — 7 ♂, 5 ♀ from pupae under beech bark (all Coll. BARTÁK; Má), Praděd (Altvater), dat. ? — 1 ♀ (leg. CZÍŽEK, Coll. MM; Mo). Slovakia: Lutiše, 11. V. 1980 — 3 ♂ (Coll. Rozkošný; Má).

c) The record of this species from "*Silesia austriaca*" by CZERNÝ (1934) is probably based on the locality Kerhartice mentioned by LANDROCK (op. cit.). On the note of VIMMER (1913) on „*L. lucidiventris* BCK. — *L. Deutschii* SCHIN.“ see under *L. deutschii* ZETT.

L. tarsata FALLÉN, 1820

a) Bohemia: VIMMER (1922): Praha-Vinohrady; not located. Slovakia: MÁČA (in press): Lučenec; Coll. MP; Al.

c) The record of this species from Praha-Královská obora by MORGE (1959, p. 29) is corrected in the same paper, p. 909. ZUSKA & LAŠTOVKA (1969) mention this species from Czechoslovakia giving no concrete locality.

L. zetterstedti BECKER, 1902

a) Bohemia: NOVÁK (1960): Mariánské Lázně-Rájov; not located. McALPINE & MORGE (1970): Malý Sněžník; not located; Al, Mo. MÁČA (1977): Veselí nad Lužnicí-Žižov; Coll. MS; Má.

b) Bohemia: Chotoviny, 12. VIII. 1976 — 1 ♀, Svidník nr. Černovice, 21. VI. 1972 — 1 ♂ (both Coll. MS; Al), Kunice, 2. V. 1981 — 1 ♂ (Coll. BARTÁK; Má).

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Zusammenfassung

Es wird ein Überblick über die Faunistik der tschechoslowakischen Lonchaeinae gegeben. *Earomyia schistopyga* COLLIN, *E. tomskensis* MORGE, *Lonchaea corusca* CZERNÝ und *L. scutellaris* RONDANI werden erstmalig für die Tschechoslowakei verzeichnet; *L. contigua* COLLIN, *L. limatula* COLLIN, *L. obscuritarsis* COLLIN und *L. patens* COLLIN sind neu für Böhmen, *Chaetolonchaea pallipennis* (ZETTERSTEDT) und *Lonchaea postica* COLLIN sind neu für Mähren. Einige bisher nicht belegte Funde aus einigen tschechoslowakischen Gebieten werden nun durch neu gesammeltes Material bestätigt; dies betrifft *Protearomyia nigra* (MEIGEN), *Chaetolonchaea dasyops* (MEIGEN) und *Lonchaea palposa* ZETTERSTEDT aus Böhmen, *Lonchaea seitneri* HENDEL aus Mähren und *L. sylvatica* BELING aus Böhmen und Mähren. Andererseits ist Belegmaterial von *Earomyia inquilina* (HENDEL in SEITNER) und *laticornis* MEIGEN aus der Tschechoslowakei, *L. seitneri* HENDEL und *L. tarsata* FALLÉN aus Böhmen sowie von *Chaetolonchaea dasyops* (MEIGEN) und *Lonchaea palposa* ZETTERSTEDT aus Mähren wahrscheinlich nicht mehr vorhanden. Bei *L. deutschii* ZETTERSTEDT und *L. contraria* CZERNÝ ist die Bestimmung des tschechoslowakischen Materials unsicher, und *L. albigena* COLLIN wurde früher irrtümlich für die Tschechoslowakei verzeichnet. *Earomyia tomskensis* MORGE wird wieder als gültige Art eingesetzt, und das Weibchen von *Earomyia virilis* COLLIN wird erstmalig festgestellt.

Summary

A survey of the faunistic knowledge of Czechoslovak Lonchaeinae is given. *Earomyia schistopyga* COLLIN, *E. tomskensis* MORGE, *Lonchaea corusca* CZERNÝ and *L. scutellaris* RONDANI are given from Czechoslovakia for the first time; *L. contigua* COLLIN, *L. limatula* COLLIN, *L. obscuritarsis* COLLIN and *L. patens* COLLIN are new for Bohemia, *Chaetolonchaea pallipennis* (ZETTERSTEDT) and *Lonchaea postica* COLLIN are new for Moravia. Some previously undocumented records from some Czechoslovak countries are presently founded by newly collected documentary material; this concerns *Protearomyia nigra* (MEIGEN), *Chaetolonchaea dasyops* (MEIGEN) and *Lonchaea palposa* ZETTERSTEDT from Bohemia, *Lonchaea seitneri* HENDEL from Moravia and *L. sylvatica* BELING from both Bohemia and Moravia. On the other hand, documentary material of *Earomyia inquilina* (HENDEL in SEITNER) and *laticornis* MEIGEN from Czechoslovakia, *L. seitneri* HENDEL and *L. tarsata* FALLÉN from Bohemia, as well as of *Chaetolonchaea dasyops* (MEIGEN) and *Lonchaea palposa* ZETTERSTEDT from Moravia is probably not preserved. In *L. deutschii* ZETTERSTEDT and *L. contraria* CZERNÝ the determination of the Czechoslovak material is uncertain and *L. albigena* COLLIN was previously recorded from Czechoslovakia by error. *Earomyia tomskensis* MORGE is restituted as valid species and the female of *Earomyia virilis* COLLIN is revealed for the first time.

Резюме

Дается обзор о фаунистических знаниях по Lonchaeinae в Чехословакии. *Earomyia schistopyga* COLLIN, *E. tomskensis* MORGE, *Lonchaea corusca* CZERNÝ и *L. scutellaris* RONDANI впервые указываются для фауны Чехословакии; *L. contigua* COLLIN, *L. limatula* COLLIN, *L. obscuritarsis* COLLIN и *L. patens* COLLIN оказались новыми для

Богемии, а *Chaetolonchaea pallipennis* (ZETTERSTEDT) и *Lochaea postica* COLLIN — для Моравии. Неподтвержденные до сих пор данные из Чехословацких районов теперь могли быть обоснованы новыми собранными материалами; это касается *Protearomyia nigra* (MEIGEN), *Chaetolonchaea dasyops* (MEIGEN) и *Lonchaea palposa* ZETTERSTEDT из Богемии, *Lonchaea seitneri* HENDEL из Моравии и *L. sylvatica* BELING из Богемии и Моравии. С другой стороны, видимо, не сохранились подтвержденные данные об *Earomyia inquilina* (HENDEL in SEITNER) и *laticornis* MEIGEN из Чехословакии, *L. seitneri* HENDEL и *L. tarsata* FALLÉN из Богемии и о *Chaetolonchaea dasyops* (MEIGEN) и *Lonchaea palposa* ZETTERSTEDT из Моравии. В случае *L. deutschii* ZETTERSTEDT и *L. contraria* CZERNY определение Чехословацкого материала сомнительное и недавно полученные данные о *L. albigena* COLLIN из Чехословакии оказались ошибочными. *Earomyia tomskensis* MORGE снова стал валидным видом и самка *Earomyia virilis* COLLIN впервые была указана.

References

- BRANCSIK, K.: A Trecsénvármegyében talált Dipterák felsorolása. Trecs. term. eg., 31–33 (1908–1910), 127–158 (In Hungarian).
- ČAPEK, M.: Beitrag zur Kenntnis der Entomophagen von *Pityokteines vorontzovi* JAC. und anderen Tannenborkenkäfern. Z. ang. Ent., 41 (1957), 277–284.
- ČERMÁK, K.: Insect pests attacking the seeds of our main forest trees. Práce výzk. úst. lesn., 1 (1952), 5–87 (In Czech, Engl. summary).
- COLLIN, J. E.: A revision of the British (and notes on other) species of Lonchaeidae (Diptera). Trans. Soc. Brit. Ent., 11 (1953), 181–207.
- CZERNY, L.: 43. Lonchaeidae, in E. LINDNER (ed.): Die Fliegen der palaearktischen Region. Stuttgart, 1934. 40 p., 3 pls. E. NÄGELE.
- CZIŽEK, K.: Beiträge zu einer Dipterenfauna Mährens. Zeitschr. mähr. Landesmus., 6 (1906), 182–234.
- II. Nachtrag zu den „Beiträgen zu einer Dipterenfauna Mährens“. Mitt. Komm. Nat. Durchf. ch. Mähr., Zool. Abt., 13 (1908), 1–26.
- Beiträge zur Dipterenfauna Mährens (III. Nachtrag). Zeitschr. mähr. Landesmus., 10 (1910), 1–112.
- DÍRLBEK, K.; ROHÁČEK, J.: Diptera Acalyptrata rašeliništ severní Moravy (ČSSR), 4. Tephritidae, Lonchaeidae, Pallopteridae, Piophilidae. Čas. Slez. Muz. Opava (A), 32 (1983), 111–123 (In Czech, Engl. summary).
- FÉKETS, G.: Toldalék Trecsén vármegye Diptera faunájához. Ber. Musealver. Com. Trecsén, 1914, 89–93 (In Hungarian).
- KALANDRA, A.: Výzkum účinku zamlžování aerosoly DNC, HCH a jejich směsí proti rojícím se imágum *Cephalcia abietis* — ploskohřbetky smrkové. Věd. práce VÚLM Zbraslav, 1958, 101–119 (In Czech).
- KOLUBAJEV, S.: Die Ergebnisse der Züchtung von parasitischen Insektenarten aus ihren Wirten in der staatlichen Versuchsanstalt in Prag, 1929–1938. Čas. Čs. spol. ent., 31 (1934), 59–68, 113–120, 155–163.
- Umělý chov hmyzích přirozených nepřátel lýkožrouta smrkového. Věd. práce VÚLM Zbraslav, 1958, 83–98 (In Czech).
- Die Ergebnisse der Zuchten von Entomophagen (der Parasiten und Räuber) der schädlichen Insekten (vorwiegend der Forstschädlinge), 1934–1958. Rozpr. ČSAV, mat.-přír., 72 (1962), 6, 7–73.
- KOLUBAJEV, S.; KALANDRA, A.: Přírodní nepřátelé lýkožrouta smrkového *Ips typographus*, zjištění v kalamitním období 1940 až 1952 v Československu. Práce VÚL v ČSR, 5 (1954), 27–44 (In Czech).
- KOVALEV, V. G.: O evropejskych vidakh mukh-kopiekhvostok grupy *Lonchaea peregrina* (Dipt., Lonchaeidae). Zool. zhurn., 60 (1981), 221–228.
- On Finnish and some other species of *Lonchaea* FALLÉN (Diptera: Lonchaeidae). Ann. Ent. Fenn., 50 (1984), 17–20.
- KOWARZ, F.: Contributiones ad faunam Comitatus Zempléniensis in Hungaria superiore. Diptera Comitatus Zempléniensis collectionis *Dris Cornelii* CHYZER. Mag. orvos. term., 22 (1883), 233–246 (In Hungarian).
- Catalogus insectorum faunae bohemicae. II. Fliegen (Diptera) Böhmens, Praha, 1894, 42 pp.
- KŘÍSTEK, J.: Beitrag zur Erforschung der holzzerstörenden Insekten an Baumweiden in Südmähren. Acta Univ. agric. Brno, C, 35 (1966), 1, 59–83.
- LANDROCK, K.: Beitrag zur Dipterenfauna Mährens. Zeitschr. mähr. Landesmus., 8 (1908), 161–180.
- Neuer Beitrag zu einer Dipterenfauna Mährens. Zeitschr. mähr. Landesmus., 10 (1910), 126–147.
- MÁČA, J.: Příspěvek k poznání dvoukřídleho hmyzu (Diptera) jižních Čech. Sbor. Jihočes. Muz. Čes. Budějovicích, Přír. v., 16 (1976), 103–140. (In Czech, Engl. summary).
- [in press] Lonchaeidae, in J. ČEPELÁK (ed.): Diptera Slovenska, 2.
- MARTINEK, V.: Nálezy zajímavějších druhů dvoukřídleých v okolí Dobrušky a v pásmu Orlických hor. Orlic. hory, Podorlicko, 5 (1973), 32–53 (In Czech).
- Nálezy některých dvoukřídleých (Diptera — Acalyptrata) v západních a jihozápadních Čechách. Zpr. muz. Západoč. kr., Plzeň, Příroda, 18 (1975), 21–30 (In Czech).
- Zajímavější druhy dvoukřídleých (Diptera), především skupiny Acalyptrata, na území Slovenské socialistické republiky. Ent. problémy (Bratislava), 13 (1976), 69–105 (In Czech).
- poznání jarního společenstva dvoukřídleých (Diptera, Acalyptrata) v povodí řeky Moravy. Čas. Nár. muz., ř. přír., 153 (1984), 49–54 (In Czech).
- [in press a] Polabská nížina u Týnce nad Labem a výskyt některých druhů dvoukřídleých (Diptera — Acalyptrata), zvláště teplomilných. Práce a studie KSPPOP Východoč. kr., Pardubice (In Czech).
- [in press b] Další údaje o rozšíření některých druhů skupiny Acalyptrata (Diptera) na území SSR, II. Acta Rer. natur. Mus. nat. Slov., Bratislava (In Czech).
- MCALPINE, J. F.; MORGE, G.: The identity, distribution and biology of *Lonchaea zetterstedti* with notes on related species (Diptera: Lonchaeidae). Can. Ent., 102 (1970), 1559–1566.
- MORGE, G.: Monographie der palaearktischen Lonchaeidae (Diptera). Beitr. Ent., 9 (1959), 1–92 (part 1), 909–945 (part 3).
- Monographie der palaearktischen Lonchaeidae (Diptera). Beitr. Ent., 12 (1962), 318–434 (part 4).
- Die Lonchaeidae und Pallopteridae Österreichs und der angrenzenden Gebiete. 1. Die Lonchaeidae. Naturkundl. Jahrb. Linz, 9 (1963), 123–312.
- MORGE, G.; DOSKOČIL, J.: Lonchaeidae, in: Seznam československých druhů řádu Diptera. Národní museum, Praha (unpublished), 1971.
- NOVÁK, V.: Die natürlichen Feinde und Krankheiten des gemeinen Nutzholzborkenkäfers *Trypodendron lineatum* OLIV. Zool. listy, 9 (1960), 309–322 (In Czech, Germ. summary).
- SEITNER, M.: *Chortophila laricicola* KARL, die Lärchen-Zapfen- und Samenfliege, und ihre Feinde: Parasiten und Räuber Centralbl. ges. Forstwesen, 55 (1929), 153–167.
- SOÓS, A.: Lonchaeidae — Szöröshomlokú legyek. In: Fauna Hungariae, 143 (XV-2) 1980, 28–48 (In Hungarian).
- VIMMER, A.: Seznam českého hmyzu dvoukřídleho. Catalogus Dipterorum. (Entomologické přůručky, 8.) Praha, 1913, 99 pp.
- Doplnky k seznamu českých Dipter. Čas. Čs. spol. ent., 19 (1922), 77–78 (In Czech).
- ZUSKA, J.; LAŠTOVKA, P.: Species composition of the dipterous fauna in various types of food-processing plants in Czechoslovakia. Acta ent. bohemoslov., 66 (1969), 201–221.