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96. Conopidae Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Diptera)

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The Conopidae is usually regarded as a rather rare family, only encountered in any numbers where its hosts, the Aculeate Hymenoptera, abound. The Mongolian collection, consisting of 43 specimens, representing 10 species is therefore quite a fair one for an expedition lasting 2 years. None of the species is new to science, but the majority have not previously been recorded from Mongolia.

CONOPINAE

Conops insignis LOEW

Conops insignis LOEW, 1848, Stettin. ent. Zeitg., 9: 300.

An uncommon species recorded from Southern Europe (Spain, France, Italy, Yugoslavia, Greece) Hungary, southern U.S.S.R., Asia Minor and North Africa.

Suchebaator aimak Ongon elis, 10 km S von Somon Chongor, 900 m, 3—4. VIII. 1965 (2 ♂, 1 ♀, Nr. 357, Exp. Dr. Z. KASZAB, 1965).

Physocephala rufipes (FABRICIUS)

Conops rufipes FABRICIUS, 1781, Spec. Ins., 2: 466.

A common species recorded throughout Europe (except Norway, Sweden and Finland), Asia Minor, Southern Siberia, mountains of Central Asia and Japan. It is a parasite of *Bombus* species.

Cojbalsan aimak 15 km N von Somon Galuut, 850 m, 17. VIII. 1965 (3 ♂, Nr. 433, Exp. Dr. Z. KASZAB, 1965).

Physocephala truncata (LOEW)

Conops truncata LOEW, 1847, Dipt. Beitr., III: 21.

This species may only be a form of *P. chrysorrhoea* (MEIGEN), but the abbreviated foremarginal wing-band and smaller first arisal segment appear to distinguish it. The black marks on the facial keel, mentioned by CHVALA (1961), may sometimes be absent in my experience. All these characters are present in the Mongolian specimens. Previously recorded from Central and Southern Europe, Western U.S.S.R., Asia Minor, Eastern Asia and North Africa.

Coj balsan aimak 15 km N von Somon Galuut, 850 m, 17. VIII. 1965 (1 ♂, 3 ♀, Nr. 433, 17. VII. 1965). — Chentej aimak 150 km ONO von Öndörchaan, 10 km S vom Kerulen, 1000 m, 30. VII. 1965 (2 ♂, 2 ♀, Nr. 331, Exp. Dr. Z. KASZAB, 1965). — Suche baator aimak Chadatin-bulan, 60 km N von Somon Bajan-terem, 950 m, 31. VII. 1965 (♂, Nr. 340, Exp. Dr. Z. KASZAB, 1965).

Physocephala vittata (FABRICIUS)

Conops vittata FABRICIUS, 1794, Ent. Syst., 4: 392.

A fairly common species recorded from Europe (not in Great Britain), Asia Minor, Central and Southern Asia and North Africa. Several colour forms have been described, of uncertain validity, but all of the Mongolian specimens appear referable to the form described as var. *abdominalis* KRÖBER (1914: 57). It is a parasite of *Bombus* and other bees.

Central aimak Borulčin tala, 1400 m, 100 km SO von Ulan-Baator, 5. VII. 1963 (♂, Nr. 90, Exp. Dr. Z. KASZAB, 1963); 58 km NW von Ulan-Baator, 1200 m, 9. VII. 1964 (♀, Nr. 292, Exp. Dr. Z. KASZAB, 1964). — Bulgan aimak 5 km O von Somon Abzaga, 1400 m, 2. VII. 1964 (♂, Nr. 251, Exp. Dr. Z. KASZAB, 1964). — Archangaj aimak NO-Ecke des Sees Ogij nur, 1350 m, 2. VII. 1964 (♂, Nr. 250, Exp. Dr. Z. KASZAB, 1964).

MYOPINAE**Zodion cinereum (FABRICIUS)**

Zodion cinerea FABRICIUS, 1794, Entom. syst., 4: 399.

Numerous varieties of this common species have been described, but the species is rather variable and it is doubtful if any of these forms are valid taxonomically. The full synonymy is given by CHVALA (1961). It is parasitic on *Halictus*. Previously recorded from Europe, Asia Minor, mountains of Central Asia and North Africa.

Central aimak Zuun-Chara, 850 m, 8. VII. 1964 (3 ♂, Nr. 281, Exp. Dr. Z. KASZAB, 1965); 26 km O von Somon Lun, 1180 m, 4. VII. 1964 (♂, Nr. 262, Exp. Dr. Z. KASZAB, 1964). — Uburchangaj aimak Changaj Gebirge, 30 km N von Arbajcher, 1870 m, 29. VI. 1964 (♂, ♀, Nr. 221, Exp. Dr. Z. KASZAB, 1964). — Bulgan aimak 5 km O von Somon Abzaga, 1400 m, 2. VII. 1964 (♀, Nr. 251,

Exp. Dr. Z. KASZAB, 1964). — *Suchebaator aimak* Chadatin-bulan, 60 km N von Somon Bajanterem, 950 m, 31. VII. 1965 (♀, Nr. 340, Exp. Dr. Z. KASZAB, 1965).

***Myopa variegata* MEIGEN**

Myopa variegata MEIGEN, 1804, Klass., 1: 286.

Myopa nitidula FABRICIUS, 1805, Syst. nat.: 180.

An uncommon species, but with a wide distribution, recorded from Sweden, Denmark, Central and Southern Europe, European U.S.S.R., Caucasus, Asia Minor, Arabia, Central Asia, Siberia to Far East Primorye, Mongolia and China. KRÖBER (1915) described a var. *asiatica* from Central Asia, Siberia and Mongolia which was larger, with the antennae and abdomen black, but as the species is rather variable it is doubtful if varietal names have validity. The present specimens have the abdomen largely blackish, but the antennae pale.

Chentej aimak 150 km ONO von Öndörchaan, 10 km S vom Kerulen, 1000 m, 30. VII. 1965 (2 ♂, Exp. Dr. Z. KASZAB, 1965).

The genus *Myopa* is parasitic on *Andrena* and other bees but there have been few specific rearings.

***Myopa fasciata* MEIGEN**

Myopa fasciata MEIGEN, 1804, Klass., 1: 286.

One of the commoner species of the genus previously recorded from nearly the whole of the Palaearctic region including Mongolia.

Cojbalsan aimak 20 km SW von Somon Bajan-uul, 820 m, 18. VIII. 1965 (♂, Nr. 444, Dr. Z. KASZAB, 1965); 50 km SO von Čojbalsan, 700 m, 16. VIII. 1965 (♂, Exp. Dr. Z. KASZAB, 1965); 80 km NW von Čojbalsan, 700 m, 17. VIII. 1965 (♀, Nr. 429, Exp. Dr. Z. KASZAB, 1965). — *Central aimak* Ganz modni davaa, 66 km OSO von Ulan-Baator, 1700 m, 5. VII. 1963 (♂, Nr. 94, Exp. Dr. Z. KASZAB, 1963); Ulan-Baator, Nucht im Bogdo ul, 1500–1800 m, 22–23. VII. 1965 (5 ♂, Nr. 293, Exp. Dr. Z. KASZAB, 1965). — *Chentej aimak* zw Somon Zenchermandal und Somon Žargaltchaan, 1400 m, 27–28. VII. 1965 (Nr. 311, Exp. Dr. Z. KASZAB, 1965).

***Myopa occulta* WIEDEMANN**

Myopa occulta WIEDEMANN, 1824, in Meigen, Syst. Besch., 4: 145.

An uncommon, but widely distributed species recorded from England, Belgium, Central and Southern Europe, European part of U.S.S.R., Caucasus and Transcaucasus, Iran, Southern Siberia, Far East Primorye and North Africa.

Chentej aimak 150 km ONO von Öndörchaan, 10 km S vom Kerulen, 1000 m, 30. VII. 1965 (1 ♂, 1 ♀, Nr. 331, Exp. Dr. Z. KASZAB, 1965).

Thecophora fulvipes (ROBINEAU-DESVOIDY)

Myopa fulvipes ROBINEAU-DESVOIDY, 1830, Myodaires: 246.

Myopa atra var. B. FALLÉN, 1817, Dipt. Suec., Conopidae: 12.

Myopa sundewalli ZETTERSTEDT, 1844, Dipt. Scand., 3: 942.

This species is not uncommon and has been recorded from England, Belgium, Sweden, Denmark, Central and Southern Europe, European part of U.S.S.R., Caucasus, Transbaikalia and North Africa. The genus is parasitic on *Halictine* bees (SMITH, 1966).

Čojalsan aimak 20 km SW von Somon Bajan-uul, 820 m, 18. VIII. 1965 (♀, Nr. 444, Exp. Dr. Z. KASZAB, 1965).

Thecophora distincta (WIEDEMANN)

Myopa distincta WIEDEMANN, 1824, in Meigen, Syst. Besch., 4: 149.

An uncommon species recorded from Denmark, Central and Southern Europe, European part of U.S.S.R., Caucasus, Asia Minor, Armenian S.S.R., and Turkestan.

This species is usually described as having the basal half of the hind femora yellowish, but specimens with hind femora more extensively yellow occur and in the Mongolian specimens are almost completely yellow with only an indistinct darkening towards tip. LYNEBORG (1962) has distinguished between *T. distincta* and his new species *T. longirostris* stating that in the latter species both mid and hind legs are entirely yellow. However I have recently examined a ♂ *T. longirostris* from Sicily (M. Nebrodici, Riviere di Cesaró, 1250–1350 m, 30. VII.–7. VIII. 1961, V S. v. d. Goot in the Zoölogisch Museum der Universiteit van Amsterdam) in which the middle femora are mostly black and the hind femora darkened distally. These two species and *T. melanopa* RONDANI are distinguished from other members of the genus by having two narrow black median stripes at the front of the thorax and two broader lateral stripes, the rest of the thorax being greyish dusted; from each other they may be distinguished by the key given below.

Čojbalsan aimak 15 km N von Somon Galuut, 850 m, 17. VIII. 1965 (♂, Nr. 433, Exp. Dr. Z. KASZAB, 1965).

Key to *distincta* group of *Thecophora*

1. Proboscis very long, its basal section twice as long as the head; jowls narrow, about one-third of head height; peristomal hairs pale yellow; abdomen grey-pollinose with pubescence mainly pale yellow **longirostris** LYNEBORG
- Proboscis shorter, basal section little longer than head; jowls broader, about half head-height; peristomal hairs black; abdomen more golden-yellow, pollinose with black pubescence 2
2. At least hind femora yellowish on basal half, more heavily pollinose species **distincta** (WIEDEMANN)
- All femora black, with only „knees“ yellowish, not so heavily pollinose, rather darker species **melanopa** RONDANI

Summary

The 10 species of Conopidae taken on this expedition are listed with zoogeographic and taxonomic comments. A key to the *distincta* (WIEDEMANN) group of the genus *Thecophora* is given.

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