

MISCELLANEOUS PAPERS

Centre for Entomological Studies Ankara

No 64

25 05 2000

ISSN 1015-8235

Recent Collections of the Diurnal *Lepidoptera* of the Soğuksu N.P. and Işık Dağı (Kızılcahamam, Ankara Province, N. Turkey) ¹

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Abstract: Recent Collections of the Diurnal *Lepidoptera* of the Soğuksu N.P. and Işık Dağı (Kızılcahamam, Ankara Province, N. Turkey). *Centr. ent. Stud., Misc. Pap.* 64: 1-6.- This paper deals with the unpublished material in the collection of the Cesa, collected by various authors during the day time from the district Kızılcahamam. Totally 122 species of butterflies and diurnal moths in 17 families are listed.

Key words: *Lepidoptera*, fauna, butterflies, diurnal moths, Ankara, Kızılcahamam, Turkey.

This short paper concerns the diurnal *Lepidoptera* collected by the authors in the spring of recent years during various field trips to the Kızılcahamam district, North of Ankara. Totally 122 species of diurnal *Lepidoptera*, which belong to 17 families are given. The species are arranged in the families, with their collecting notes. Abbreviations of the collectors are given in alphabetical order: A.K. Ahmet Ö.Koçak, B.K. Burak Koçak, E.D. Emine Demir, M.K. Muhabbet Kemal, M.Ö. Mustafa Özdemir, S.S. Selma Seven, Y.H. Yusuf Hüseyinoğlu. Materials are preserved in the collection of the Cesa.

Tortricidae

Tortrix viridana Linnaeus, 1758

Material studied: 2♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Zygaenidae

Zygaena filipendulae (Linnaeus, 1758)

Material studied: 1♂ 1♀ Kızılcahamam: Işıkdagi, 1600m 25 07 1998, M.K. leg.

Zygaena loti ([Denis & Schiffermüller], 1775)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Pyrallidae

Stiochroa verticalis (Linnaeus, 1758)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Synaphe consecratalis (Lederer, 1855)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Synaphe moldavica (Esper, [1789])

Material studied: 3♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Treptopyx pertusalis (Geyer, [1832])

Material studied: 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 5♂ 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Papilionidae

Allancastris cerisyi cerisyi (Godart, 1822)

Material studied: 1♂ Kızılcahamam: Azap deresi, 1300m 26 05 1969, A.K. leg. 50♂♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Archon apollinus amasinus (Staudinger, 1901)

Material studied: 1♀ Kızılcahamam: Güvem, 1150m 23 04 1970, A.K. leg.

Iphiclides podalirius podalirius (Linnaeus, 1758)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 2♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 2♂ 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Papilio (s.str.) alexanor eitschbergeri Bollino & Sala, 1992

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂ Kızılcahamam: Soğuksu, 1000m 01 06 1998, E.Demir leg.

Parnassius (Driopa) mnemosyne caucasia

Verity, [1911]

Material studied: 1♂ Kızılcahamam: Azap deresi, 1450m 27 05 1969, A.K. leg. 1♂ 1♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♀

¹ This preliminary paper is related to the study entitled "The Butterfly Fauna of Ankara (*Lepidoptera*)"
http://www.members.tripod.com/~Cesa_1988/Ankara.htm

Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 2♂ 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Pieridae

Aporia (s.str.) crataegi crataegi (Linnaeus,1758)

Material studied: 16♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 2♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Leptidea duponcheli lorkovici Pfeiffer,1932

Material studied: 3♂ Kızılcahamam: Kızılcahamam, 0900m 14 05 1967, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Leptidea sinapis sinapis (Linnaeus,1758)

Material studied: 5♂♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 2♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 7♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 3♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Pieris (s.str.) brassicae brassicae (Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Pieris (Artogeia) rapae rapae (Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Kızılcahamam, 0900m 18 07 1966, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 4♂ 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Pontia chloridice chloridice (Hübner,[1813])

Material studied: 1♀ Kızılcahamam: Kızılcahamam, 0900m 18 07 1966, A.K. leg.

Pontia edusa (Fabricius,1777)

Material studied: 1♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Euchloe ausonia taurica Röber,1907

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Anthocharis cardamines cardamines

(Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Güvem, 1150m 23 04 1970, A.K. leg. 1♂ Kızılcahamam: Kızılcahamam, 0900m 14 05 1967, A.K. leg. 3♂ Kızılcahamam: Kızılcahamam, 0900m 28 04 1968, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Anthocharis gruneri gruneri Herrich-Schäffer,[1851]

Material studied: 1♂ Kızılcahamam: Güvem, 1150m 23 04 1970, A.K. leg. 1♂ Kızılcahamam: Kızılcahamam, 0900m 14 05 1967, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Coliadidae

Colias crocea crocea (Fourcroy,1785)

Material studied: 1♂ Kızılcahamam: Azap deresi, 1400m 23 09 1969, A.K. leg. 1♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♂ 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 2♂ 3♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Colias sareptensis bergeri Reissinger,1989

Material studied: 1♀ Kızılcahamam: Azapderesi, 1300m 23 09 1969, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1050m 21 07 1968, A.K. leg. 1♂ Kızılcahamam: Soğuksu, 1050m 19 05 1969, A.K. leg. 3♂ 1♀ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 3♂ 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Gonepteryx (s.str.) rhamni rhamni (Linnaeus,1758)

Material studied: 1♀ Kızılcahamam: Soğuksu, 1050m 01 05 1968, A.K. leg.

Libytheidae

Libythea celtis celtis (Laicharting,1782)

Material studied: 1♂ Kızılcahamam: Kızılcahamam, 0950m. 24 03 1970, A.K. leg.

Argynnidae

Limnitis reducta herculeana Stichel,[1908]

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 19 05 1968, A.K. leg. 7♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Cynthia cardui (Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Kızılcahamam, 0950m. 15 05 1968, A.K. leg. 1♂ Kızılcahamam: Kızılcahamam, 0950m. 18 07 1968, A.K. leg. 1♂ 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Aglais urticae turcica (Staudinger,1871)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 3♂ 2♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Nymphalis antiopa (Linnaeus,1758)

Material studied: 2♂ Kızılcahamam: Soğuksu, 1100m. 01 05 1968, A.K. leg. 2♀ Kızılcahamam: Soğuksu, 1100m. 24 03 1970, A.K. leg. 1♂ Kızılcahamam: Çamkoru, 1300m. 23 04 1970, A.K. leg.

Nymphalis polychloros (Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 24 03 1970, A.K. leg.

Polygonia c-album c-album (Linnaeus,1758)

Material studied: 1♂ Kızılcahamam: Güvem, 1100m. 23 04 1970, A.K. leg. 1♀ Kızılcahamam: Soğuksu, 1050m. 01 05 1968, A.K. leg.

Polygonia egea egea (Cramer,[1775])

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 07 06 1968, A.K. leg.

Issoria lathonia lathonia (Linnaeus,1758)

Material studied: 2♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♀ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 12♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Argynnis (Fabriciana) niobe orientalis**Alpheraky, 1881**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 18 05 1968, A.K. leg. 2♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 3♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 18♂♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Argynnis (Speyeria) aglaja aglaja (Linnaeus, 1758)

Material studied: 2♂ 1♀ Kızılcahamam: Çamlıdere, 1300m. 18 07 1969, A.K. leg.

Argynnis (Pandoriana) pandora pandora (Denis & Schiffermüller, 1775)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 07 07 1968, A.K. leg.

Boloria (Clossiana) euphrosyne euphrosyne (Linnaeus, 1758)

Material studied: 2♂ Kızılcahamam: Azapderesi, 1400m. 27 05 1969, A.K. leg. 1♂ Kızılcahamam: Azapderesi, 1400m. 31 05 1970, A.K. leg.

3♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg.

Melitaea cinxia clarissa Staudinger, 1901

Material studied: 1♀ Kızılcahamam: Azapderesi, 1400m. 01 06 1970, A.K. leg. 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 3♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 19♂ 8♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Melitaea didyma didyma (Esper, [1779])

Material studied: 1♀ Kızılcahamam: Kızılcahamam, 0950m. 07 06 1968, A.K. leg. 1♂ Kızılcahamam: Kızılcahamam, 0950m. 27 05 1969, A.K. leg. 2♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 17♂♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Melitaea fascelis fascelis (Fabricius, 1787)

Material studied: 1♂ Kızılcahamam: Kızılcahamam, 0950m. 18 07 1966, A.K. leg. 3♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 3♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Melitaea punica telona Fruhstorfer, 1908

Material studied: 2♂ Kızılcahamam: Azapderesi, 1400m. 27 05 1969, A.K. leg. 7♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 3♂ 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Mellicta athalia athalia (Rottemburg, 1775)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Euphydryas (Eurodryas) aurinia bulgarica (Fruhstorfer, 1917)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 7♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Satyridae***Melanargia larissa noacki Wagnier, 1983***

Material studied: 1♀ Çamlıdere: Çamlıdere, 1300m. 05 08 1966, A.K. leg.

Erebia medusa euphrasia Fruhstorfer, 1917

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg.

Brintesia circe circe (Fabricius, 1775)

Material studied: 1♂ Kızılcahamam: Kargasekmez, 1140m, 18 07 1969, A.K. leg. 5♀ Kızılcahamam: Soğuksu, 1050m. 21 07 1968, A.K. leg. 2♀ Kızılcahamam: Çankoru, 1300m, 18 07 1969, A.K. leg.

Hipparchia (Neohipparchia) statilinus minutula (Verity, 1938)

Material studied: 1♀ Çamlıdere: Çamlıdere, 1300m. 05 08 1966, A.K. leg.

Maniola jurtina phormia (Fruhstorfer, 1909)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 27 06 1968, A.K. leg.

Hyponphele lupinus intermedia (Staudinger, 1886)

Material studied: 1♀ Kızılcahamam: Kızılcahamam, 0950m. 17 06 1968, A.K. leg.

Hyponphele lycaon (Kühn, 1774)

Material studied: 2♂ 1♀ Kızılcahamam: Soğuksu, 1050m. 21 07 1968, A.K. leg.

Lasiommata maera orientalis (Heyne, [1894])

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m. 23 09 1969, A.K. leg.

Lasiommata megera transcaspica (Staudinger, 1901)

Material studied: 1♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 3♀ Kızılcahamam: Çankoru, 1300m. 23 09 1969, A.K. leg.

Lasiommata petropolitana arnauta (Rebel & Zerny, 1931)

Material studied: 12♂♀ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg.

Coenonympha leander leander (Fabricius, 1787)

Material studied: 4♂ Kızılcahamam: Azap deresi, 1400m. 02 06 1970, A.K. leg. 4♂ 1♀ Kızılcahamam: Soğuksu, 1050m. 19 05 1968, A.K. leg. 12♂ 1♀ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 4♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Coenonympha pamphilus pamphilus (Linnaeus, 1758)

Material studied: 2♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 2♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Lycaenidae***Callophrys rubi rubi (Linnaeus, 1758)***

Material studied: 1♀ Kızılcahamam: Azapderesi, 1500m 23 04 1970, A.K. leg. 1♂ Kızılcahamam: Bedirler, 3Hl 0900m. 26 04 1994, S.S. leg. 1♂ 2♀ Kızılcahamam: Soğuksu, 1050m 28 04 1968, A.K. leg. 1♂ 2♀ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 3♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 16♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Satyrium (Nordmannia) acaciae acaciae (Fabricius, 1787)

Material studied: 1♂ Kızılcahamam: Davutlar, 3Hl, 1250m. 03 07 1994, S.S. leg.

Satyrium ilicis (Esper, [1779])

Material studied: 2♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

***Satyrus w-album* (Knoch,1782)**

Material studied: 1♀ Kızılcahamam: Kızılcahamam.
0950m 18 07 1966, A.K. leg.

***Tomares nogelii nogelii* (Freyer,[1851])**

Material studied: 1♀ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg.

***Thersamonia thersamon* (Esper,[1784])**

Material studied: 1♂ Çamlidere: Çamlidere, 1300m 05
08 1966, A.K. leg.

***Heodes (Alciphronia) alciphron melibaeus* (Staudinger,1878)**

Material studied: 2♂ Kızılcahamam: Soğuksu, 1050m
07 06 1968, A.K. leg. 3♂ Kızılcahamam: Soğuksu,
1050m 15 06 1968, A.K. leg. 1♂ 1♀ Kızılcahamam:
Soğuksu, 1050m 01 06 1970, A.K. leg. 4♂
Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S.
& M.Ö. leg. 2♂ Kızılcahamam: Soğuksu, 1000-1300m
29 05 1999, M.K. & B.K. leg.

***Heodes (Loweia) tityrus orientalis* (Staudinger,1881)**

Material studied: 2♂ Kızılcahamam: Azapderesi,
1400m 23 09 1969, A.K. leg. 2♀ Kızılcahamam: Seybeli,
3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♂
Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S.
& M.Ö. leg. 3♂ Kızılcahamam: Soğuksu, 1000-1300m
29 05 1999, M.K. & B.K. leg. 1♂ Kızılcahamam: Yukarı
Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Heodes (s.str.) virgaureae* (Linnaeus,1758)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m
21 07 1968, A.K. leg.

***Lycaena (s.str.) phlaeas timeus* (Cramer,[1777])**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

***Lampides boeticus boeticus* (Linnaeus,1767)**

Material studied: 1♂ Kızılcahamam: Kızılcahamam,
0950m 18 07 1969, A.K. leg.

***Cupido minimus* (Fuessli,1775)**

Material studied: 1♀ Kızılcahamam: Soğuksu, 1000-
1300m 29 05 1999, M.K. & B.K. leg.

1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06
1994, A.K. & S.S. leg.

***Cupido osiris* (Meigen,1829)**

Material studied: 11♂♀ Kızılcahamam: Yukarı Çanlı,
3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Glaucopsyche alexis* (Poda,1761)**

Material studied: 1♂ Kızılcahamam: Azap deresi, 1500m
31 05 1970, A.K. leg. 1♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 7♂ 1♀
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg. 19♂♀ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Pseudophilotes vicrama schiffmuelleri

(Hemming,1929)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 1♂ 1♀
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg.

***Rubrapterus bavius egeus* (Herrich-Schäffer,[1852])**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg. 2♂ Kızılcahamam:
Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

***Plebejus (Kretania) carmon carmon* (Gerhard,[1851])**

Material studied: 4♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

***Plebejus (Lycaeides) idas baldur* Hemming,1934**

Material studied: 2♀ Kızılcahamam: Soğuksu, 1050m.
19 05 1968, A.K. leg.

***Plebejus argus aegidion* (Meissner,1818)**

Material studied: 3♂ 1♀ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 106♂♀
Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994,
A.K. & S.S. leg. 5♂ 2♀ Çamlidere: Çamlidere, 1300m.
15 08 1966, A.K. leg.

***Polyommatus (Aricia) agestis* ([Denis & Schiffermüller],1775)**

Material studied: 1♂ 1♀ Kızılcahamam: Azap deresi,
1300m: 31 05 1970, A.K. leg. 1♂ Kızılcahamam:
Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 4♂
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg.

***Polyommatus (Aricia) anteros anteros* (Freyer,1839)**

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 2♂ Kızılcahamam:
Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

***Polyommatus (Aricia) eumedon* (Esper,[1780])**

Material studied: 1♂ Kızılcahamam: Azapderesi,
1400m 31 05 1970, A.K. leg. 1♂ Kızılcahamam: Yukarı
Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Polyommatus (Cyaniris) bellis* (Freyer,1843)**

Material studied: 2♂ 1♀ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 2♂ 3♀
Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S.
& M.Ö. leg. 1♂ Kızılcahamam: Soğuksu, 1000-1300m 29
05 1999, M.K. & B.K. leg. 1♂ 2♀ Kızılcahamam: Yukarı
Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Polyommatus (Lysandra) bellargus

(Rottemburg,1775)

Material studied: 8♂ 1♀ Kızılcahamam: Soğuksu,
1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 4♂
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg. 9♂ 2♀ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Polyommatus (Lysandra) ossmar ankara

(Schurian,1983)

Material studied: 6♂ 1♀ Çamlidere: Çamlidere, 1300m.
05 08 1966, A.K. leg.

Polyommatus (Meleageria) daphnis versicolor

(Heyne,[1895]) Material studied: 1♂ Kızılcahamam:
Çamkoru, 1300m 18 07 1969, A.K. leg. 3♂ Çamlidere:
Çamlidere, 1300m. 05 08 1966, A.K. leg.

Polyommatus (Neolysandra) coelestinus

(Eversmann,1843)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg. 32♂ Kızılcahamam:
Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.
10♂ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999,
M.K. & B.K. leg. 2♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Polyommatus (Plebicula) amandus orientalis

(Staudinger,1901)

Material studied: 9♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg. 10♂ Kızılcahamam:

Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 5♂
6♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06
1994, A.K. & S.S. leg.

***Polyommatus (Sublysandra) myrrhus myrrhus*
(Herrich-Schäffer, 1852)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

***Polyommatus (Thersitesia) thersites*
(Canterer, 1835)**

Material studied: 21♂ 3♀ Kızılcahamam: Yukarı Çanlı,
3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Polyommatus (s.str.) icarus (Rottemburg, 1775)

Material studied: 2♀ Kızılcahamam: Azapderesi,
1300m. 23 09 1969, A.K. leg. 1♂ 2♀ Kızılcahamam:
Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 2♀
Kızılcahamam: Soğuksu, 1050m. 15 06 1968, A.K. leg.
1♀ Kızılcahamam: Soğuksu, 1050m. 21 07 1968, A.K.
leg. 4♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996,
Y.H., S.S. & M.Ö. leg. 10♂ 1♀ Kızılcahamam: Soğuksu,
1000-1300m 29 05 1999, M.K. & D.K. leg. 2♂ 1♀
Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994,
A.K. & S.S. leg. 2♂ Çamlidere: Çamlidere, 1300m. 08
05 1966, A.K. leg.

Hesperiidae

Erynnis marloyi marloyi (Boisduval, 1834)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Erynnis tages unicolor (Freyer, 1848)

Material studied: 2♂ Kızılcahamam: Kızılcahamam,
0950m. 18 07 1968, A.K. leg. 4♂ Kızılcahamam:
Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 3♂ 2♀
Kızılcahamam: Soğuksu, 1000m. 01 05 1968, A.K. leg.
4♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H.,
S.S. & M.Ö. leg. 11♂ Kızılcahamam: Soğuksu, 1000-
1300m 29 05 1999, M.K. & B.K. leg.

***Carcharodus (Lavatheria) lavatherae tauricus*
(Reverdin, 1915)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Carcharodus (s.str.) alceae (Esper, 1780)

Material studied: 1♂ Kızılcahamam: Azap deresi, 1400m.
23 04 1970, A.K. leg. 2♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg. 2♂ Kızılcahamam:
Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

Muschampia proteides proteides (Wagner, 1929)

Material studied: 1♂ Kızılcahamam: Azap deresi,
1300m. 27 07 1969, A.K. leg.

Pyrgus armoricanus persicus (Reverdin, 1913)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Pyrgus malvae (Linnaeus, 1758)

Material studied: 2♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg.

Pyrgus melotis ponticus (Reverdin, 1914)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Pyrgus serratulae major (Staudinger, 1878)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Pyrgus sidae (Esper, 1784)

Material studied: 1♂ Kızılcahamam: Azap deresi,
1400m. 28 05 1968, A.K. leg. 1♂ Kızılcahamam: Azap
deresi, 1400m. 31 05 1970, A.K. leg. 1♂ Kızılcahamam:
Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg.

Spialia (Neospialia) orbifer hilaris (Staudinger, 1901)

Material studied: 1♂ Kızılcahamam: Azap deresi,
1300m. 31 05 1970, A.K. leg. 1♂ Kızılcahamam:
Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 7♂
Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K.
& B.K. leg. 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Ochlodes venatus (Bremer & Grey, 1852)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Thymelicus lineolus lineolus (Ochsenheimer, 1808)

Material studied: 10♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg.

Thymelicus sylvestris syriacus (Tutt, 1903)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1050m.
27 06 1968, A.K. leg. 1♂ Kızılcahamam: Soğuksu,
1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Sphingidae

Macroglossum stellatarum (Linnaeus, 1758)

Material studied: 2♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Drepanidae

Watsonalla binaria (Hufnagel, 1767)

Material studied: 1♂ Kızılcahamam: Soğuksu, 1000-
1300m 29 05 1999, M.K. & B.K. leg.

Geometridae

Chlorissa viridata (Linnaeus, 1758)

Material studied: 1♀ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Scopula ornata (Scopoli, 1763)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Rhodostrophia auctata (Staudinger, 1879)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Rhodostrophia calabra (Petagna, 1786)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Lythria cruentaria (Hufnagel, 1767) (=rotaria)

Material studied: 2♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Odezia atrata (Linnaeus, 1758)

Material studied: 2♂ Kızılcahamam: Soğuksu, 1200m.
16 06 1996, Y.H., S.S. & M.Ö. leg. 1♂ Kızılcahamam:
Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

Opisthoptis luteolata (Linnaeus, 1758)

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg.
1300m. 04 06 1994, A.K. & S.S. leg.

Ematurga atomaria (Linnaeus, 1758)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg.
1610m. 04 06 1994, A.K. & S.S. leg.

Pseudopanthera macularia (Linnaeus, 1758)

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 4♂♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 10♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Tephрина hopfferaria* (Staudinger, 1879)**

Material studied: 2♂ 2♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Semiothisa clathrata* (Linnaeus, 1758)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 7♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Semiothisa glarearia* (Brahm, 1791)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Arctiidae

***Arctia villica* (Linnaeus, 1758)**

Material studied: 1♂ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg. 1♀ Kızılcahamam: Soğuksu, 3Hl, 0900m. 15 06 1968, A.K. leg.

Ctenuchidae

***Amata rossica* Turati, 1917**

Material studied: 9♂ 1♀ Kızılcahamam: Soğuksu, 1200m. 16 06 1996, Y.H., S.S. & M.Ö. leg.

Noctuidae

***Euclidia glyphica glyphica* (Linnaeus, 1758)**

Material studied: 1♂ Kızılcahamam: Seybeli, 3Hg. 1610m. 04 06 1994, A.K. & S.S. leg. 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg. 9♂♀ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Euclidia mi* (Clerck, 1759)**

Material studied: 1♀ Kızılcahamam: Soğuksu, 1000-1300m 29 05 1999, M.K. & B.K. leg.

***Helicoverpa armigera* (Hübner, [1808])**

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.

***Phytometra viridaria* (Clerck, 1759)**

Material studied: 1♂ Kızılcahamam: Yukarı Çanlı, 3Hg. 1300m. 04 06 1994, A.K. & S.S. leg.