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ALİ YAVUZ KILIÇ

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New Additions and Errata to the Checklist of Tabanidae (Insecta: Diptera) Fauna of Turkey

A. Yavuz KILIÇ

Department of Biology, Faculty of Science, Anadolu University, 26470 Eskişehir - TURKEY

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Abstract: Errata are given for the checklist of Tabanidae fauna of Turkey published by Kılıç in 1999 and additional records and localities reported after 1999 for previously known species are added to this checklist. With these additions, the number of species and subspecies is 164 and 13, respectively, for the Tabanidae fauna of Turkey.

Key Words: Diptera, Tabanidae, fauna, checklist, Turkey, additions and corrections

Türkiye Tabanidae Faunası Kontrol Listesi İçin Düzeltmeler ve Ekler

Özet: Bu çalışmada, Kılıç (1999) tarafından verilen Türkiye Tabanidae Faunası Kontrol Listesi'ndeki bazı bilgiler düzeltilmiş ve bu tarihten sonraki ek kayıtlarla, türlere ait ek lokalite bilgileri listeye eklenmiştir. Bu sonuçlarla Türkiye'den bildirilen Tabanidae familyasına ait tür sayısı 164'e, alt tür sayısı ise 13'e ulaşmıştır.

Anahtar Sözcükler: Diptera, Tabanidae, Fauna, Kontrol Listesi, Türkiye, Ekler ve Düzeltmeler

Introduction

The first checklist of the Tabanidae fauna of Turkey was published in 1999 by Kılıç. In this checklist, some errors appeared, which are herein corrected, and additional records reported after its publication are added.

In the first checklist, syn. *caucasi* (*Tabanus*) Enderlein, which is the synonym of *Hybomitra caucasi* (Szilady, 1923), should be *Hybomitra caucasica* (Enderlein, 1925), which is a valid species (Chvala, 1988; Hayat and Özbek, 1992; Hayat and Schacht, 2000).

Additionally, entry 92 in the first checklist was written as *Tabanus laetinctus* Austen, 1920; it should be *Tabanus leleani* Austen, 1920. The species name written as *Haematopota oenderi* Jezek, 1990 should be *Nemorius oenderi* Jezek, 1990.

Furthermore, additional localities for the Tabanidae fauna of Turkey reported after 1999 are included in this checklist (Yağcı, 1997; Hayat and Schacht, 2000; Kılıç, 2001a, 2001b, 2001c, 2003, 2004, 2005a, 2005b; Kılıç and Öztürk, 2002; Gören, 2003; Büber, 2004).

Note: * indicates additional records for the species and subspecies for the Tabanidae fauna of Turkey reported after 1999.

List of species, subspecies, and additional localities

PANGONINAE

Pangoniini

Pangonius Latreille, 1802

1. *Pangonius* (s. str.) *argentatus* (Szilady, 1923)

2. *Pangonius* (s. str.) *flavocinctus* (Szilady, 1923)

3. *Pangonius* (s. str.) *fulvipes* (Loew, 1859)

Additional localities: Antalya, Balıkesir, İçel, Malatya, Mardin, and Muğla (Hayat and Schacht, 2000).

4. *Pangonius* (s. str.) *lucidus* (Szilady, 1923)

5. *Pangonius* (s. str.) *obscuratus* (Loew, 1859)

Additional localities: Burdur, İzmir, Konya, Malatya, and Muğla (Hayat and Schacht, 2000).

6. *Pangonius* (s. str.) *pyritosus* (Loew, 1859)
 Additional localities: Ankara, Antalya, Artvin, Bitlis, Bolu, Elazığ, Hakkari, Hatay, İçel, İzmir, Kahramanmaraş, Kayseri, Muğla, Siirt, Sivas, Şırnak, and Van (Hayat and Schacht, 2000); Bursa (Kılıç, 2003).
7. *Pangonius* (s. str.) *rhynchocephalus* (Kröber, 1921)
8. *Pangonius* (s. str.) *variegatus* (Fabricius, 1805)
Melanopangonius Sziyady, 1923
9. *Pangonius* (M.) *funebri* (Macquart, 1845)
 Additional locality: Sakarya (Hayat and Schacht, 2000).
10. *Pangonius* (M.) *haustellatus* (Fabricius, 1781)
 syn. *P. marginata* Fabricius, 1805
Stonemyia Brennan, 1935
11. *Stonemyia caucasica* (Kröber, 1921)
12. *Stonemyia tigris* (Bigot, 1880)

CHRYSOPSINAE

Chrysopsini

- Silvius* Meigen, 1820
13. *Silvius* (s. str.) *algius* Meigen, 1830
 Additional localities: Adana and İçel (Hayat and Schacht, 2000).
14. *Silvius* (s. str.) *alpinus* (Scopoli, 1763)
 syn. *S. vituli* (Fabricius, 1805)
 Additional localities: Balıkesir (Yağcı, 1997); Artvin, and Muş (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003).
15. *Silvius* (s. str.) *inflaticornis* Austen, 1925
16. *Silvius* (s. str.) *latifrons* Olsufjev, 1937
 Additional localities: Artvin, Erzurum, and Kars (Hayat and Schacht, 2000).
- **Silvius* (s.str.) *latifrons graecus* Chvala, Moucha & Lyneborg, 1972
 Distribution in Turkey: Çanakkale (Kılıç, 2001a).
17. *Silvius* (s. str.) *ochraceus* Loew, 1858
 Additional localities: Antalya and İçel (Hayat and Schacht, 2000).

18. *Silvius* (s. str.) *variegatus* (Fabricius, 1805)
Heterosilvius Olsufjev, 1970
19. *Silvius* (H.) *peculiaris* Olsufjev, 1971
Nemorius Rondani, 1856
20. *Nemorius caucasicus* (Olsufjev, 1937)
 Additional locality: Erzurum (Hayat and Schacht, 2000).
21. *Nemorius irritans* (Ricardo, 1901)
 Additional localities: Diyarbakır and Siirt (Hayat and Schacht, 2000).
22. *Nemorius oenderi* Jezek, 1990
 Distribution in Turkey: İzmir (Jezek, 1990).
23. *Nemorius vitripennis* (Meigen, 1820)
 syn. *N. horvathi* Szilady, 1925; *Haemophila fallotii* (Kriechbaumer, 1873)
 Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Antalya, Hakkari, Konya, and Siirt (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Sinop (Kılıç, 2005a).
- Chrysops* Meigen, 1803
24. *Chrysops* (s. str.) *caecutiens* (Linnaeus, 1758)
 Additional localities: Adıyaman, Ankara, Antalya, Artvin, Burdur, Hakkari, Kars, Konya, Muş, Nevşehir, and Tokat (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).
- Chrysops* (s. str.) *caecutiens ludens* Loew, 1858
25. *Chrysops* (s. str.) *flavipes* Meigen, 1804
 Additional localities: Adıyaman, Ağrı, Bayburt, Iğdır, and Niğde (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).
- Chrysops* (s. str.) *flavipes punctifer* Loew, 1856
26. *Chrysops* (s. str.) *italicus* Meigen, 1804
 syn. *C. nigriventris* Loew, 1856
 Additional localities: Balıkesir, Erzurum, and Muğla (Hayat and Schacht, 2000).

27. *Chrysops* (s. str.) *relictus* Meigen, 1820

28. *Chrysops* (s. str.) *sejunctus* Szilady, 1919

Additional localities: Adana and Bayburt (Hayat and Schacht, 2000).

29. *Chrysops* (s. str.) *viduatus* (Fabricius, 1794)

syn. *C. pictus* Meigen, 1820

Additional localities: Adıyaman, and Samsun (Hayat and Schacht, 2000); Sinop (Kılıç, 2005a); Bartın, (Kılıç, 2005b).

Petersenychrysops Moucha & Chvala, 1970

30. *Chrysops* (P.) *buxtoni* Austen, 1922

31. *Chrysops* (P.) *compactus* Austen, 1924

Additional locality: Afyon (Büber, 2004).

32. *Chrysops* (P.) *hamatus* Loew, 1858

Additional localities: Adıyaman (Hayat and Schacht, 2000); Afyon (Büber, 2004).

TABANINAE

Tabanini

Atylotus Osten & Sacken, 1876

33. *Atylotus agricola* (Wiedemann, 1828)

34. *Atylotus austeni* (Szilady, 1915)

syn. *Ochrops austeni* Szilady, 1915

35. *Atylotus flavoguttatus* (Szilady, 1915)

Additional localities: Ağrı (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Balıkesir (Kılıç, 2001c); Afyon (Büber, 2004).

36. *Atylotus fulvus* (Meigen, 1804)

Additional localities: Erzurum, Hakkari, and Kars (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Zonguldak (Kılıç, 2005b).

37. *Atylotus hendrixi* Leclercq, 1967

Additional localities: Artvin, Burdur, Erzurum, Trabzon, and Yozgat (Hayat and Schacht, 2000).

38. *Atylotus kerteszi* (Szilady, 1915)

39. *Atylotus latistriatus* Brauer in Brauer & Bergenstamm, 1880

Additional localities: İzmir and Ordu (Hayat and Schacht, 2000).

40. *Atylotus loewianus* (Villeneuve, 1920)

Additional localities: Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

41. *Atylotus plebeius* (Fallen, 1817)

42. *Atylotus protidor* (Bogatshev & Samedov, 1949)

43. *Atylotus pulchellus* (Loew, 1858)

syn. *Ochrops karybenthinus* (Szilady, 1915)

Additional locality: İçel (Hayat and Schacht, 2000).

44. *Atylotus quadrifarius* (Loew, 1874)

syn. *Atylotus agrestis* Wiedemann, 1828

Additional localities: Konya (Kılıç and Öztürk, 2002); Düzce (Gören, 2003); Afyon (Büber, 2004).

45. *Atylotus rusticus* (Linnaeus, 1767)

46. *Atylotus venturii* Leclercq, 1966

Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c).

Theriopectes Zeller, 1842

47. *Theriopectes carabaghensis* (Portschinsky, 1877)

Additional localities: Bitlis and Hakkari (Schacht, 1984; Hayat and Schacht, 2000).

48. *Theriopectes tricolor* Zeller, 1842

syn. *Sziladya ruficauda* (Enderlein, 1925)

Additional localities: Ağrı, Kars, Konya, Malatya, Sivas, and Tokat (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Konya (Kılıç and Öztürk, 2002).

Theriopectes tricolor kirchbergi Moucha & Chvala, 1959

49. *Theriopectes tunicatus* (Szilady, 1927)

syn. *Tabanus (Sziladya) rufula* (Szilady, 1927); *Theriopectes gigas* Herbst, 1787

Additional localities: Kahramanmaraş and Malatya (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b).

Hybomitra Enderlein, 1922

50. *Hybomitra acuminata* (Loew, 1858)

Additional localities: İzmir (Hayat and Schacht, 2000); Balıkesir (Kılıç, 2001c); Afyon (Büber, 2004).

51. *Hybomitra bimaculata* (Macquart, 1826)
Additional localities: Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003).
52. *Hybomitra caucasi* (Szilady, 1923)
Additional localities: Adıyaman, Ağrı, Ankara, Bayburt, Diyarbakır, Erzurum, Hakkari, Kars, Mardin, Siirt, and Yozgat (Hayat and Schacht, 2000).
- *53. *Hybomitra caucasica* (Enderlein, 1925)
Distribution in Turkey: Erzurum (Hayat and Özbek, 1992; Hayat and Schacht, 2000); Antalya, Kars, Manisa, and Rize (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Yalova (Kılıç, 2003).
54. *Hybomitra ciureai* (Seguy, 1937)
syn. *Hybomitra shineri* Lyneborg, 1959
Additional localities: Adıyaman, Antalya, and Isparta (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a).
55. *Hybomitra decora* (Loew, 1858)
syn. *Hybomitra amani* (Szilady, 1926)
Additional localities: Diyarbakır, Mardin, Siirt, and Şanlıurfa (Hayat and Schacht, 2000).
56. *Hybomitra distinguenda* (Verrall, 1909)
syn. *Tabanus distinguendis* Verrall
57. *Hybomitra erberi* (Brauer in Brauer & Bergenstamm, 1880)
58. *Hybomitra expollicata* (Pandelle, 1883)
Additional locality: Afyon (Büber, 2004).
- *59. *Hybomitra mendica* Villeneuve, 1912
Distribution in Turkey: Şanlıurfa (Hayat and Schacht, 2000).
- *60. *Hybomitra micans* (Meigen, 1804)
Distribution in Turkey: Bolu (Kılıç, 2004).
61. *Hybomitra muehlfeldi* (Brauer in Brauer & Bergenstamm, 1880)
Additional localities: Konya (Kılıç and Öztürk, 2002); Sinop (Kılıç, 2005a).
62. *Hybomitra okayi* Leclercq, 1967
63. *Hybomitra peculiaris* (Szilady, 1914)
64. *Hybomitra pilosa* (Loew, 1858)
Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Sinop (Kılıç, 2005a).
- *65. *Hybomitra popovi* (Olsufjev, 1937)
Distribution in Turkey: Erzurum (Hayat and Schacht, 2000).
- *66. *Hybomitra tropica* (Linnaeus, 1758)
Distribution in Turkey: Bolu (Kılıç, 2004)
67. *Hybomitra tuerkmendagensis* Kılıç & Schacht, 1995
Additional locality: Kütahya (Kılıç, 2001b).
68. *Hybomitra ukrainica* (Olsufjev, 1952)
Tabanus Linnaeus, 1758
69. *Tabanus accensus* Austen, 1920
70. *Tabanus aidini* Kröber, 1928
71. *Tabanus alvarengai* Schacht, 1987
72. *Tabanus anatolicus* Olsufjev, Moucha & Chvala, 1967
Additional localities: Hakkari, Kars, and Siirt (Hayat and Schacht, 2000).
73. *Tabanus anthrax* Olsufjev, 1937
74. *Tabanus arabicus* Macquart, 1839
75. *Tabanus armeniacus* (Kröber, 1928)
Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa, Yalova (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Karabük and Zonguldak (Kılıç, 2005b).
76. *Tabanus atropathenicus* Olsufjev, 1937
Additional localities: Gümüşhane (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003).
77. *Tabanus autumnalis* Linnaeus, 1761
Additional localities: Ağrı, Amasya, Aydın, Hakkari, İçel, Kahramanmaraş, Manisa, Muğla, Rize, and Şanlıurfa (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Afyon and Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Karabük and Zonguldak (Kılıç, 2005b).
- T. autumnalis autumnalis* Linnaeus, 1761
Additional locality: Çanakkale (Kılıç, 2001a).

T. autumnalis brunnescens Szilady, 1914

78. *Tabanus bifarius* Loew, 1858

syn. *Dasytabia longicornis* (Enderlein, 1932);
Dasytabia tauricus (Enderlein, 1932)

Additional localities: Bayburt, Erzincan, Gümüşhane, Kahramanmaraş, and Kars (Hayat and Schacht, 2000); Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Afyon and Konya (Kılıç and Öztürk, 2002); Bursa, Yalova (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

T. bifarius simovae Leclercq, 1959

79. *Tabanus bovinus* Linnaeus, 1758

Additional localities: Artvin and İçel (Hayat and Schacht, 2000); Konya (Kılıç and Öztürk, 2002).

80. *Tabanus briani* Leclercq, 1962

Additional localities: Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

81. *Tabanus bromiolus* Szilady, 1923

82. *Tabanus bromius* Linnaeus, 1758

Additional localities: Ağrı, Aksaray, Amasya, Artvin, Adıyaman, Bayburt, Bitlis, Hatay, Isparta, Kahramanmaraş, Muş, Ordu, Rize, Siirt, and Van (Hayat and Schacht, 2000); Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Afyon and Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

Tabanus bromius bromius Linnaeus

Tabanus bromius flavofemoratus Strobl, 1909

83. *Tabanus canipalpis* (Bigot, 1892)

*84. *Tabanus caucasius* Kröber, 1925

Distribution in Turkey: Rize (Yağcı and Dinçer, 1996).

85. *Tabanus cordiger* Meigen, 1820

Additional localities: Erzurum (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Afyon (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Karabük and Zonguldak (Kılıç, 2005b).

86. *Tabanus cuculus* Szilady, 1923

Additional localities: Antalya, Erzincan, and Hatay (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Afyon (Kılıç and Öztürk, 2002; Büber, 2004); Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Sinop (Kılıç, 2005a); Bartın (Kılıç, 2005b).

87. *Tabanus darimonti* Leclercq, 1964

Additional locality: Muğla (Hayat and Schacht, 2000).

88. *Tabanus decipiens* Kröber, 1928

89. *Tabanus eggeri* Schiner, 1868

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın and Karabük (Kılıç, 2005b).

90. *Tabanus exclusus* Pandelle, 1883

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Adana and Hakkari (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Afyon (Büber, 2004); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

91. *Tabanus fraseri* Austen, 1925

Additional localities: Adana (Hayat and Schacht, 2000); Balıkesir (Hayat and Schacht, 2000; Kılıç, 2001c); Kütahya (Kılıç, 2001b); Bursa, and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Karabük (Kılıç, 2005b).

92. *Tabanus glaucopsis* (Meigen, 1820)

syn. *Tabanus ferrugineus* Meigen, 1804

Additional localities: Artvin, Hakkari, Kars, Muş, and Van (Hayat and Schacht, 2000); Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

93. *Tabanus golovi* Olsufjev, 1936

94. *Tabanus grandis* Szilady, 1923

95. *Tabanus ilchanii* Jezek, 1981

96. *Tabanus indrae* Hauser, 1939

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç,

2001b); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük and Zonguldak (Kılıç, 2005b).

97. *Tabanus karaosus* Timmer, 1984

98. *Tabanus laetinctus* Becker in Becker & Stein, 1913

syn. *Tabanus sordes sordes* Bogatshev & Samedov, 1949; *Tabanus laetinctus sordes* Bogatshev & Samedov, 1949; *Tabanus laetinctus assuetus* Hauser, 1960

99. *Tabanus leleani* Austen, 1920

Additional localities: Balıkesir (Yağcı, 1997; Hayat and Schacht, 2000; Kılıç, 2001c); Hatay, Kahramanmaraş, Kars, Rize, and Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Afyon (Büber, 2004); Bartın and Karabük (Kılıç, 2005b).

100. *Tabanus lunatus* Fabricius, 1794

Additional localities: Antalya, Erzurum, Gümüşhane, and Kars (Hayat and Schacht, 2000); Balıkesir (Yağcı, 1997; Kılıç, 2001c); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Afyon (Kılıç and Öztürk, 2002; Büber, 2004); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük and Zonguldak (Kılıç, 2005b).

101. *Tabanus maculicornis* Zetterstedt, 1842

Additional localities: Artvin, Erzurum, and Trabzon (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

102. *Tabanus martinii* Kröber, 1928

Additional localities: Kütahya (Kılıç, 2001b); Konya (Kılıç and Öztürk, 2002); Afyon (Büber, 2004).

103. *Tabanus mianjanganensis* Jezek, 1981

104. *Tabanus miki* (Brauer in Brauer & Bergenstamm, 1880)

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Ağrı, Artvin, and Hakkari (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Afyon (Kılıç and Öztürk, 2002; Büber, 2004); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

*105. *Tabanus mouchai* Leclercq, 1962

Distribution in Turkey: Mardin and Hakkari (Hayat and Schacht, 2000).

106. *Tabanus nemoralis* Meigen, 1820

Additional locality: Bolu (Hayat and Schacht, 2000)

107. *Tabanus obsolescens* Pandelle, 1883

Additional localities: Adana, Antalya, Hatay, Isparta, Manisa, Muğla, Rize, and Sivas (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Karabük and Zonguldak (Kılıç, 2005b).

108. *Tabanus olsuffevi* Hauser, 1960

109. *Tabanus oppugnator* Austen, 1925

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Kütahya (Kılıç, 2001b); Sinop (Kılıç, 2005a); Bartın (Kılıç, 2005b).

110. *Tabanus paradoxus* Jaenicke, 1866

Additional localities: Bursa, (Hayat and Schacht, 2000; Kılıç, 2003); Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a).

111. *Tabanus portschinskii* Olsufjev, 1937

Additional localities: Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Sinop (Kılıç, 2005a); Karabük and Zonguldak (Kılıç, 2005b).

112. *Tabanus prometheus* Szilady, 1923

syn. *Tabanus eggeri prometheus* Szilady; *T. tinctus prometheus* Szilady

Additional localities: Bayburt, Elazığ, Hakkari, İçel, Isparta, Konya, and Muğla (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Karabük (Kılıç, 2005b).

113. *Tabanus quatuornatus* Meigen, 1820

syn. *Dasytabia labaumeanus* (Enderlein, 1925)

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Artvin, Denizli, Hakkari, Konya, Muğla, and Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

114. *Tabanus rectus* Loew, 1858

115. *Tabanus regularis* Jaennicke, 1866

Additional localities: Adiyaman, Burdur, Mardin, Osmaniye, and Rize (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa and Yalova (Kılıç, 2003); Afyon (Büber, 2004); Karabük (Kılıç, 2005b).

Tabanus regularis regularis Jaennicke, 1866

Tabanus regularis rufus Szilady, 1923

116. *Tabanus rupium* (Brauer in Brauer & Bergenstamm, 1880)

Additional localities: Artvin, Balıkesir, Hakkari, Kahramanmaraş, Kırklareli, Tokat, and Rize (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Sinop (Kılıç, 2005a); Karabük (Kılıç, 2005b).

117. *Tabanus semiargenteus* Olsufjev, 1937

118. *Tabanus shannonellus* Kröber, 1936

Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003).

119. *Tabanus shelkovnikovi shelkovnikovi* Paramanov, 1934

120. *Tabanus spectabilis* Loew, 1858

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Edirne and Kırklareli (Kılıç, 1999); Adiyaman, Amasya, Aydın, Burdur, Hakkari, and Kahramanmaraş (Hayat and Schacht, 2000); Afyon (Büber, 2004).

*121. *Tabanus spodopteroides* Olsufjev, Moucha & Chvala, 1969

Distribution in Turkey: Kütahya (Kılıç, 2001b).

122. *Tabanus spodopterus* Meigen, 1820

Additional localities: Amasya, Antalya, Denizli, and Erzurum (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Karabük and Zonguldak (Kılıç, 2005b).

Tabanus spodopterus ponticus Olsufjev, Moucha & Chvala 1967

123. *Tabanus subparadoxus* Olsufjev, 1941

Additional localities: Trabzon (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Bartın (Kılıç, 2005b).

124. *Tabanus sudeticus* Zeller, 1842

Additional localities: Artvin and Trabzon (Hayat and Schacht, 2000); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Afyon (Büber, 2004); Bartın and Zonguldak (Kılıç, 2005b).

125. *Tabanus swiridowi* Portschinsky, 1882

Additional localities: Artvin, Erzurum, Hakkari, Sivas, and Van (Hayat and Schacht, 2000).

126. *Tabanus tergestinus* Egger, 1859

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Antalya, Artvin, Gümüşhane, and Hatay (Hayat and Schacht, 2000); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

127. *Tabanus tinctus* Walker, 1850

syn. *T. mixtus* Szilady, 1914

Additional localities: Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Afyon (Büber, 2004); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

128. *Tabanus unifasciatus* Loew, 1858

syn. *T. albescens* Kröber, 1928

Additional localities: Balıkesir (Yağcı, 1997; Kılıç, 2001c); Ağrı, Antalya, Erzincan, Hakkari, Kahramanmaraş, Konya, Malatya, Rize, Tokat, and Van (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a).

129. *Tabanus yasujensis* Jezek, 1981

Additional localities: İçel and Van (Hayat and Schacht, 2000); Bursa (Kılıç, 2003).

Glaurops Szilady, 1923

130. *Glaurops hakkariensis* Schacht, 1983

Haematopotini

Haematopota Meigen, 1803

131. *Haematopota bigoti* Gobert, 1881

Additional localities: Adiyaman and Erzurum (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Afyon (Büber, 2004).

132. *Haematopota caenofrons* (Kröber, 1922)

133. *Haematopota coolsi* Leclercq, 1966

134. *Haematopota crassicornis* Wahlberg, 1848
 Additional localities: Artvin (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003).
135. *Haematopota delozi* Leclercq, 1966
136. *Haematopota gallica* Szilady, 1923
137. *Haematopota grandis* Meigen, 1820
 syn. *H. fraseri* Austen, 1925
 Additional localities: Amasya, Erzurum, and Osmaniye (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Afyon (Büber, 2004); Sinop (Kılıç, 2005a).
138. *Haematopota hennauxi* Leclercq, 1967
139. *Haematopota italica* Meigen, 1804
 Additional localities: Çankırı and Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).
140. *Haematopota kemali* Szilady, 1923
141. *Haematopota lambi* Willeneuve, 1921
 Additional locality: Kütahya (Kılıç, 2001b).
142. *Haematopota latebricola* Austen, 1925
143. *Haematopota longeantennata* (Olsufjev, 1937)
 Additional localities: Antalya, İzmir, and Trabzon (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa, Yalova (Kılıç, 2003); Sinop (Kılıç, 2005a); Karabük (Kılıç, 2005b).
144. *Haematopota nubilis* (Hauser, 1960)
145. *Haematopota ocelligera* (Kröber, 1922)
 syn. *H. belligera* Austen, 1925; *H. hispanica* Szilady, 1923
 Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa, Yalova (Kılıç, 2003); Sinop (Kılıç, 2005a); Bartın (Kılıç, 2005b).
146. *Haematopota pallens* Loew, 1871
 Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Afyon (Büber, 2004).
147. *Haematopota pandazisi* (Kröber, 1936)
 syn. *H. variegata* Fabricius 1805; *H. variegata variegata* Fabricius; *H. variegata pandazisi* Kröber
 Additional localities: Balıkesir (Kılıç, 2001c); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).
148. *Haematopota pavlovskii* (Hauser, 1960)
149. *Haematopota pluvialis* (Linnaeus, 1758)
 Additional localities: Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003).
150. *Haematopota scutellata* (Olsufjev, Moucha & Chvala, 1964)
 Additional locality: Kütahya (Kılıç, 2001b).
151. *Haematopota sewelli* Austen, 1920
 Additional locality: Balıkesir (Kılıç, 2001c).
152. *Haematopota sobrina* (Kröber, 1922)
153. *Haematopota subcylindrica* Pandelle, 1883
 Additional localities: Artvin, Erzincan, Erzurum, Kars, Niğde, Ordu, and Trabzon (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Bursa and Yalova (Kılıç, 2003); Afyon (Büber, 2004).
154. *Haematopota sumelae* Timmer, 1984
 Diachlorin
Dasyramphis Enderlein, 1922
155. *Dasyrhamphis anthracinus* (Meigen, 1820)
 Additional locality: Bursa (Kılıç, 2003).
156. *Dasyrhamphis ater* (Rossi, 1790)
 syn. *Tabanus ater* (Austen, 1925)
 Additional locality: Balıkesir (Kılıç, 2001c).
157. *Dasyrhamphis carbonarius* (Meigen, 1820)
 syn. *D. gagates* (Loew, 1858)
 Additional localities: Antalya (Hayat and Schacht, 2000); Balıkesir (Kılıç, 2001c); Bursa (Kılıç, 2003); Sinop (Kılıç, 2005a); Karabük (Kılıç, 2005b).
158. *Dasyrhamphis insecurator* (Austen, 1920)
159. *Dasyrhamphis nigritus* (Fabricius, 1794)
 syn. *Tabanus (Eflatounanus) alexandrinus* Wiedemann, 1830
160. *Dasyrhamphis umbrinus* (Meigen, 1820)
 syn. *Tabanus umbrinus* Meigen

Additional localities: Antalya, Erzincan, Gümüşhane, Hakkari, İzmir, Manisa, Osmaniye, and Sivas (Hayat and Schacht, 2000); Kütahya (Kılıç, 2001b); Bursa and Yalova (Kılıç, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

Philipomyia Olsufjev, 1964

161. *Philipomyia aprica* (Meigen, 1820)

syn. *Tabanus graecus apricus* Meigen; *Tabanus graecus graecus* Fabricius

Additional localities: Antalya, Artvin, Bayburt, Bingöl, Konya, and Muş (Hayat and Schacht, 2000); Çanakkale (Kılıç, 2001a); Kütahya (Kılıç, 2001b); Balıkesir (Kılıç, 2001c); Konya (Kılıç and Öztürk, 2002); Bursa and Yalova (Kılıç, 2003); Düzce (Gören, 2003); Sinop (Kılıç, 2005a); Bartın, Karabük, and Zonguldak (Kılıç, 2005b).

162. *Philipomyia graeca* (Fabricius, 1794)

Additional localities: Afyon, Antalya, Aydın, Hakkari, Hatay, and İzmir (Hayat and Schacht, 2000); Çanakkale

(Kılıç, 2001a); Balıkesir (Kılıç, 2001c); Konya (Kılıç and Öztürk, 2002); Bursa (Kılıç, 2003).

163. *Philipomyia rohdendorfi* (Olsufjev, 1937)

Additional locality: Trabzon (Hayat and Schacht, 2000).

164. *Philipomyia zizaniae* (Leclercq, 1966)

syn. *Tabanus graecus zizaniae* Leclercq

With these additions, the numbers of species (first number) and subspecies, if present (second number), of the Tabanidae fauna of Turkey are as follows: 10 for *Pangonius*; 2 for *Stenomyia*; 7 and 1 for *Silvius*; 4 for *Nemorius*; 9 and 2 for *Chrysops*; 14 for *Atylotus*; 3 and 1 for *Therioplectes*; 19 for *Hybomitra*; 61 and 9 for *Tabanus*; 1 for *Glaucoptis*; 24 for *Haematopota*; 6 for *Dasyrhamphus*; and 4 for *Philipomyia*, which is 164 species and 13 subspecies (Yağcı and Dinçer, 1996; Kılıç, 1999, 2001a, 2001b, 2004; Hayat and Schacht, 2000).

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