

A LIST OF THE ODONATA OF THE ISLANDS OF THE WESTERN
MEDITERRANEAN AREA

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I OFFER the following list of Odonata so far recorded from the islands of the western Mediterranean area as a summary of present knowledge of the distribution; it will be seen that for many islands there are no records at all, and even some of the islands which do provide records have very few species, a state of affairs almost certainly due to lack of investigation. Crete, the largest and outermost island, has only had 20 species recorded from it, while Lesbos, the next largest island, about a fifth of the area of Crete, and close to Asia Minor, has records of only four species. While a discussion of the faunistic affinities of the Odonata of these islands would be of considerable interest, it has not been attempted here, because the data appear to me to be too insufficient, and also because the Odonata of the mainland of Greece itself are still very little known. Cyprus has been omitted from this list as I am in receipt of material from that island, which I hope to record later.

Every attempt has been made to include all the known records, and I trust that none has been overlooked. It should be understood that some at least of the records are apparently merely copied from author to author, and not explicitly based on fresh material.

Zygoptera.

PLATYCNEMIDIDAE.

Platycnemis pennipes pennipes (Pallas, 1771).

Platycnemis pennipes Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 170, 389. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Platycnemis pennipes var. *albidella* Selys, 1865, *Bull. Acad. Belg.* (2) **16** : 166.
CRETE.

Platycnemis pennipes Selys, 1886, *Mém. cour. Acad. R. Belg.* **38** (4) : 129.
CRETE.

Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 45. CRETE.

De Joannis, 1916, *Bull. Soc. ent. Fr.* **1916** : 248. LESBOS :
Cape Malea-Loutra.

Bentivoglio, 1929, *Arch. zool. ital.* **13** : 208. CRETE ;
RHODES.

Platycnemis pennipes insularis Selys, 1865.

Platycnemis pennipes r. ? *insularis* Selys, 1865, *Bull. Acad. Belg.* (2) **16** : 166.
CORFU.

Platycnemis pennipes r. *insularis* Selys, 1886, *Mém. cour. Acad. R. Belg.* **38**
(4) : 129. CORFU.

Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 45.
CORFU ; SYRA.

Platycnemis pennipes Bentivoglio, 1929, *Arch. zool. ital.* **13** : 208. CORFU.
PROC. R. ENT. SOC. LOND. (B) 9. PT. 10. (OCTOBER 1940.)

COENAGRIIDAE.

Pyrrhosoma nymphula (Sulzer, 1776).

Pyrrhosoma minium Selys, 1876, *Bull. Acad. Belg.* (2) **41** : 1298. CORFU.

Ischnura elegans ebneri Schmidt, 1938.

Agrion elegans Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 191. CRETE.

Agrion elegans var. *minor* Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 282. CRETE.

Agrion elegans Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Ischnura elegans Selys, 1876, *Bull. Acad. Belg.* (2) **41** : 279. CRETE.

Cecconi, 1895, *Boll. Soc. ent. ital.* **27** : 195. CRETE :
Apokorona.

Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 325. CRETE :
Herakleion, Knossos.

Bentivoglio, 1929, *Arch. zool. ital.* **13** : 209. CRETE.

Ischnura elegans ebneri Schmidt, 1938, *S.B. Akad. Wiss. Wien (math.-nat.)* (I) **147** : 142. CRETE.

Ischnura elegans (Van der Linden, 1820), subsp. ?

Ischnura elegans Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 47. CORFU; TINOS.

Bentivoglio, 1929, *Arch. zool. ital.* **13** : 209. COS; TINOS.

It is not possible as yet to determine to which of the subspecies of *I. elegans* recently erected by Schmidt (1938, *S.B. Akad. Wiss. Wien (math.-nat.)* (I) **147** : 142) these records should be credited; probably either to *I. elegans ebneri* (Crete, Cyprus, Syria, Palestine) or to *I. elegans pontica* (from Neusiedler See and Carinthia through Hungary and the northern Balkans to Caspian Persia).

Ischnura pumilio (Charpentier, 1825).

Ischnura pumilio Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 325. CRETE :

Canea, Herakleion.

Ischnura genei (Rambur, 1842).

Ischnura genei McLachlan, 1899, *Ann. Soc. ent. Belg.* **43** : 302. MALTA.

Coenagrion scitulum (Rambur, 1842).

Agrion scitulum Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 218. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 47. CRETE.

Ceriagrion tenellum (De Villers, 1789).

Agrion tenellum Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 182. CRETE.

Agrion rubellum Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Pyrrhosoma ? *tenellum* Selys, 1876, *Bull. Acad. Belg.* (2) **41** : 1296. CRETE.

Pyrrhosoma tenellum Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 48. CRETE.

The validity of the genus *Palaeobasis* Kennedy, 1920, which includes only this species, has been strongly criticised by Schmidt (1938, *S.B. Akad. Wiss. Wien (math.-nat.)* (I) **147** : 147); I think that perhaps on the basis of our present knowledge Schmidt is justified in suppressing *Palaeobasis* as a synonym

of *Ceriagrion*. The classification of the COENAGRIIDAE is by no means easy, owing to the paucity of morphological characters, and as our knowledge of the family progresses the boundaries of many genera are becoming less clear; the whole family is in need of considerable revision which will take into account more and newer characters (as yet undetected) than the few which are at present used.

LESTIDAE.

Lestes barbarus (Fabricius, 1798).

Lestes barbara Selys, 1850, *Mém. Soc. Sci. Liège* 6 : 161. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* 7 : 194. CRETE.

Cecconi, 1895, *Boll. Soc. ent. ital.* 27 : 195. CRETE; Omalò.

Anapetes barbara Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 325. CRETE : Canea.

Lestes barbara Bentivoglio, 1929, *Arch. zool. ital.* 13 : 206. COS; CRETE.

Lestes macrostigma (Eversmann, 1836).

Lestes macrostigma Selys, 1887, *Ann. Soc. ent. Belg.* 31 : 42. CORFU; TINOS.

Strobl, 1906, *Mitt. naturw. Ver. Steierm.* 42 : 251. TINOS.

Lestes sponsa (Hansemann, 1823).

? *Lestes nympa* Cecconi, 1895, *Boll. Soc. ent. ital.* 27 : 195. CRETE : Canea.

Lestes sponsa Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 325. CRETE : Canea.

Cecconi's record of *L. nympa* probably refers to *sponsa* and not to *dryas*, of which *nympa* is a synonym.

Lestes viridis parvidens Artobolevsky, 1929.

Lestes viridis Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 325. CRETE : Canea.

Bentivoglio, 1929, *Arch. zool. ital.* 13 : 205. RHODES : NARO.

Lestes viridis parvidens Schmidt, 1938, *S.B. Akad. Wiss. Wien (math.-nat.)* (I) 147 : 141. CRETE.

The records of Pongrácz almost certainly, and Bentivoglio's very probably, refer to the subspecies *parvidens*.

Sympecma fusca (Van der Linden, 1823).

Sympycna fusca Cecconi, 1895, *Boll. Soc. ent. ital.* 27 : 195. CRETE : Apokorona.

Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 325. CRETE : Knossos.

Bentivoglio, 1929, *Arch. zool. ital.* 13 : 207. RHODES : Profeta Elia.

AGRIIDAE.

Agrion splendens cretense (Pongrácz, 1911).

Calopteryx splendens var. *cretensis* Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 324. CRETE : Herakleion, Knossos.

This form is, from the very brief description, of doubtful validity; I assume, from the lack of any other indication in the description, that it might be referred to the subspecies *xanthostoma*.

Agrion splendens xanthostoma Charpentier, 1825.

Calopteryx splendens, race de Prusse, Selys, 1854, *Mém. Soc. Sci. Liège* 9 : 39.
CORFU.

Calopteryx splendens Cecconi, 1895, *Boll. Soc. ent. ital.* 27 : 195. CRETE :
Canea.

It must remain doubtful whether these two records (and that of *cretense* above) are really referable to *xanthostoma*, since a series of subspecies or races are known from Asia Minor, Caucasia, Syria, etc., and in Cyprus at least there is a form very close to *xanthostoma* but which has both heteromorphic and homoeomorphic females.

Agrion virgo festivum (Brullé, 1832).

Calopteryx virgo, race de la Grèce, Selys, 1854, *Mém. Soc. Sci. Liège* 9 : 43.
CORFU.

Calopteryx virgo var. *festiva* Hagen, 1863, *Wien. ent. Mschr.* 7 : 194. CRETE.

Anisoptera.

GOMPHIDAE.

Gomphus schneiderii Selys, 1850.

Gomphus vulgatissimus r. *schneiderii* Selys, 1887, *Ann. Soc. ent. Belg.* 31 : 29, 78.
CORFU.

Onychogomphus forcipatus (Linnaeus, 1758).

Onychogomphus forcipatus Selys & Hagen, 1858, *Mém. Soc. Sci. Liège* 11 : 300.
CORFU.

AESHNIDAE.

Boyeria irene (Fonscolombe, 1838).

Aeschna irene Selys, 1850, *Mém. Soc. Sci. Liège* 6 : 133. CRETE.
Hagen, 1863, *Wien. ent. Mschr.* 7 : 194. CRETE.

Aeschna (Amphiaeschna) irene Cecconi, 1895, *Boll. Soc. ent. ital.* 27 : 195.
CRETE : Kisamo.

Boyeria irene Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* 9 : 324. CRETE :
Amari.

Brachytron pratense (Müller, 1764).

Brachytron hafniense De Joannis, 1916, *Bull. Soc. ent. Fr.* 1916 : 248. LESBOS :
Cape Malea-Loutra.

Caliaeschna microstigma (Schneider, 1845).

Caliaeschna microstigma Selys, 1887, *Ann. Soc. ent. Belg.* 31 : 37. CORFU.
Martin, 1909, *Cat. Coll. Selys* 19 : 109. CORFU.

LIBELLULIDAE.

Orthetrum albistylum albistylum (Selys, 1848).

Orthetrum albistylum Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 324.
CRETE : Canea.

Orthetrum anceps (Schneider, 1845).

Libellula ramburii Selys, 1848, *Rev. Zool.* **1848** : 16. CRETE.
Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 21. CRETE.
Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.
Stein, 1863, *Berlin. ent. Z.* **7** : 412. CRETE.
Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 14. CRETE.

Orthetrum brunneum brunneum (Fonscolombe, 1837).

Orthetrum brunneum Martin, 1895, *Bull. Soc. zool. Fr.* **19** : 136. CRETE.
Libella brunnea Cecconi, 1895, *Boll. Soc. ent. ital.* **27** : 195. CRETE : Kisamo,
Visari.
Orthetrum brunneum brunneum Ris, 1909, *Cat. Coll. Selys* **10** : 190. CORFU.
Orthetrum brunneum Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 324.
CRETE : Canea.
De Joannis, 1916, *Bull. Soc. ent. Fr.* **1916** : 248. LESBOS :
Cape Malea-Loutra.
Bentivoglio, 1929, *Arch. zool. ital.* **13** : 200. ASTROPALIA ;
TILOS.

Orthetrum chrysostigma chrysostigma (Burmeister, 1839).

Libella chrysostigma Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 6. CRETE.
Libellula chrysostigma Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 20, 76. CRETE.

Orthetrum coerulescens (Fabricius, 1798).

Orthetrum coerulescens Ris, 1909, *Cat. Coll. Selys* **10** : 184. CORFU ; TINOS.
Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 324.
CRETE : Herakleion.
Bentivoglio, 1929, *Arch. zool. ital.* **13** : 199. ASTRO-
PALIA ; COS ; RHODES : Afando, Torras.

Orthetrum taeniolatum (Schneider, 1845).

Libellula taeniolata Schneider, 1845, *Stettin. ent. Ztg* **6** : 111. RHODES.
Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 291. RHODES.
Hagen, 1863, *Wien. ent. Mschr.* **7** : 195. RHODES.
Libella taeniolata Brauer, 1868, *Verh. zool.-bot. Ges. Wien* **18** : 732. RHODES.
Libellula taeniolata Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 18. RHODES.
Orthetrum taeniolatum Ris, 1909, *Cat. Coll. Selys* **10** : 192. RHODES.
Morton, 1924, *Trans. ent. Soc. Lond.* **1924** : 41. RHODES.

Orthetrum trinacria (Selys, 1841).

Orthetrum trinacria Bentivoglio, 1929, *Arch. zool. ital.* **13** : 199. RHODES :
R. Argirò.

Libellula depressa Linnaeus, 1758.

Libellula depressa De Joannis, 1916, *Bull. Soc. ent. Fr.* **1916** : 248. LESBOS :
Cape Malea-Loutra.

Libellula fulva Müller, 1764.

Libellula fulva Ris, 1910, *Cat. Coll. Selys* **11** : 256. CORFU.

Diplacodes lefebvrei (Rambur, 1842).

Diplacodes lefebvrei Bentivoglio, 1929, *Arch. zool. ital.* **13** : 201. RHODES :
Afando, Argirò.

Crocothemis erythraea erythraea (Brullé, 1832).

Libellula erythraea Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 282. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Stein, 1863, *Berlin. ent. Z.* **7** : 412. NAXOS.

Crocothemis erythraea Selys, 1887, *Ann. Soc. ent. Belg.* **31** : 22. RHODES.

Cecconi. 1895, *Boll. Soc. ent. ital.* **27** : 195. CRETE :
Canea.

McLachlan, 1899, *Ann. Soc. ent. Belg.* **43** : 302. MALTA.

Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 324.

CRETE : Canea.

Bentivoglio, 1929, *Arch. zool. ital.* **13** : 201. ASTROPALIA ;

CRETE ; RHODES : Afando.

Sympetrum flaveolum flaveolum (Linnaeus, 1758).

Sympetrum flaveolum Bentivoglio, 1929, *Arch. zool. ital.* **13** : 204. COS.

Sympetrum fonscolombii (Selys, 1840).

Libellula fonscolombii Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 38. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Sympetrum fonscolombei Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 342.

CRETE : Canea.

Ris, 1911, *Cat. Coll. Selys* **13** : 638. CORFU ; SYRA.

Bentivoglio, 1929, *Arch. zool. ital.* **13** : 203. CRETE ;

YALI.

Sympetrum meridionale (Selys, 1841).

Libellula meridionalis Selys, 1850, *Mém. Soc. Sci. Liège* **6** : 282. CRETE.

Hagen, 1863, *Wien. ent. Mschr.* **7** : 194. CRETE.

Sympetrum meridionale Pongrácz, 1911, *Ann. hist.-nat. Mus. hung.* **9** : 324.

CRETE : Canea.

Sympetrum sanguineum (Müller, 1764).

Sympetrum sanguineum Bentivoglio, 1929, *Arch. zool. ital.* **13** : 204. ASTROPALIA; COS.

Sympetrum striolatum striolatum (Charpentier, 1840).

Sympetrum striolatum McLachlan, 1899, *Ann. Soc. ent. Belg.* **43** : 302. MALTA.
Bentivoglio, 1929, *Arch. zool. ital.* **13** : 202. COS;
RHODES : Pighes, Profeta Elia; SYMI.

Trithemis annulata (Beauvois, 1805).

Trithemis annulata Bentivoglio, 1929, *Arch. zool. ital.* **13** : 205. ASTROPALIA;
RHODES.

TABLE OF DISTRIBUTION.

	Astropalia (Stampalia)	Corfu	Cos	Crete	Lesbos (Mytilene)	Malta	Naxos	Rhodes	Symi	Syra	Tilos (Episcopi)	Tinos	Yali
<i>Platynemis pennipes</i>		++		+				+		+			
<i>Pyrrhosoma nymphula</i>		++											
<i>Ischnura elegans</i>		+	+	+								+	
<i>pumilio</i>				+									
<i>genei</i>						+							
<i>Coenagrion scitulum</i>				+									
<i>Ceragrion tenellum</i>				+									
<i>Lestes barbarus</i>			+	+									
<i>macrostigma</i>		+										+	
<i>sponsa</i>				+									
<i>viridis parvidens</i>				+				+					
<i>Sympetma fusca</i>				+				+					
<i>Agrion splendens</i>		+		+									
<i>virgo festivum</i>		++		+									
<i>Gomphus schneiderii</i>		+											
<i>Onychogomphus forcipatus</i>		+											
<i>Boyeria irene</i>				+									
<i>Brachytron pratense</i>					+								
<i>Caliaeschna microstigma</i>		+											
<i>Orithetrum albistylum albistylum</i>				+									
<i>anceps</i>				+									
<i>brunneum brunneum</i>	+	+		+	+						+		
<i>chrysostigma chrysostigma</i>				+									
<i>coeruleascens</i>	+	+	+	+				+				+	
<i>taeniolatum</i>								+					
<i>trinacria</i>								+					
<i>Libellula depressa</i>		+			+								
<i>fulva</i>								+					
<i>Diplacodes lefebvrei</i>								+					
<i>Crocothemis erythraea erythraea</i>	+			+		+	+	+					
<i>Sympetrum flaveolum flaveolum</i>		+	+										
<i>fonscolombii</i>				+						+			+
<i>meridionale</i>				+									
<i>sanguineum</i>	+		+					+					
<i>striolatum striolatum</i>			+			+		+	+				
<i>Trithemis annulata</i>	+							+					
Total number of species	5	13	6	20	4	3	1	10	1	2	1	3	1