

A checklist of Greek reptiles. II. The snakes

Liste der Reptilien Griechenlands. II. Schlangen

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ABSTRACT: The systematic status and the geographical distribution of the 30 snake taxa occurring in Greece are presented. Compared to lizards, the Greek snakes show a rather reduced tendency to form subspecies; from the total of 21 species listed, only 5 are represented by more than one subspecies. No endemic species has been recorded, though at the subspecific level 8 endemisms are known in the Aegean area. Many new locality records are provided.

KURZFASSUNG: Der systematische Status und die geographische Verbreitung der 30 in Griechenland vorkommenden Schlangentaxa wird behandelt. Verglichen mit den Eidechsen zeigen die Schlangen in Griechenland eher eine geringe Tendenz zur Ausbildung von Unterarten; von insgesamt 21 aufgeführten Arten sind nur 5 durch mehr als eine Unterart repräsentiert. Keine endemische Art wurde bisher beschrieben, obwohl auf subspezifischem Niveau 8 Endemismen im Raum der Ägäis bekannt sind. Zahlreiche neue Fundorte werden angegeben.

KEYWORDS: Ophidia, Checklist, Greece

INTRODUCTION

The Greek snake fauna consists of 21 species belonging to 4 families: Typhlopidae (1 species), Boidae (1 species), Colubridae (14 species) and Viperidae (5 species). Sixteen species are either monotypic or each one is represented in Greece by only one subspecies while the remaining rest is divided into a sum of 14 subspecies. Thus, a total of 30 snake taxa has been recorded in Greece up to now. Among these taxa there are 8 endemic ones indicated by an asterisk (*) in the species account; all of them occur on the Aegean islands. The numbers above are clearly smaller than those given for the Greek lizards (CHONDROPOULOS 1986).

As in the other groups of the Greek herpetofauna, the various taxa of the snake fauna show remarkable variation as far as their geographical origin is concerned. There are European and Eurosiberian elements (*Coronella austriaca*, *Elaphe longissima*, *Natrix natrix*, *Vipera berus*, *V. ursinii*), Asiatic and Asiatic-mediterranean elements (*Typhlops vermicularis*, *Coluber caspius*, *C. jugularis*, *C. najadum*, *C. nummifer*, *Eirenis modestus*, *Elaphe quatuorlineata*, *E. situla*, *Natrix tessellata*, *Telescopus fallax*, *Vipera ammodytes*, *V. lebetina*,

B. P. CHONDROPOULOS

V. xanthina), African-asiatic elements (*Eryx jaculus*), Mediterranean elements (*Malpolon monspessulanus*) and Balkan elements (*Coluber gemonensis*). In the present work besides the information coming from the study of an extensive literature, a lot of new locality records concerning most of the taxa are listed. These records have been derived from the examination of museum material as well as from my own field observations and collections. In addition, reliable unpublished data of other researchers are taken into account. These sources of data and their abbreviations are the following:

- a. The material of the Zoological Museum of Patra University (ZMUP).
- b. The material of the Zoological Museum of Athens University (ZMUA).
- c. The material of the Goulandris Natural History Museum (GNHM).
- d. The author's unpublished data derived from field observations and private collections (BC obs., BC coll. respectively).
- e. The field observations made by A. DIMITROPOULOS, Goulandris Natural History Museum, Athens (AD obs.).
- f. The field observations made by S. VALAKOS, Athens University (SV obs.).
- g. The field observations made by G. CHIRAS, Sea Turtle Protection Society, Patra (GC obs.)
- h. The field observations made by J. IOANNIDIS and D. BOUSBOURAS, biologists, Athens (JI & DB obs.).

The way of the taxa arrangement and the geographical divisions of the Greek area used here are the same as in the first part of the checklist (CHONDROPOULOS 1986). For each new locality record the abbreviation of the museum or of the collector/observer is given followed by the locality of collection/observation and the date. Some of these records are the first distribution data of the species concerned, either at the level of a large geographical department of Greece (e. g. the records of *Coluber g. gemonensis* and *Coronella a. austriaca* for Macedonia, that of *Telescopus f. fallax* for Thrace, etc.) or at the level of a smaller part (i. e. prefecture and island). All the other new records cited concern restricted areas and localities.

The information given in this work throws some new light on the subjects of composition and distribution of the snake fauna of Greece. However, there are still many gaps in our knowledge regarding the systematics and the exact range of most taxa (especially in the central and northern parts of the country). Also, there are some snakes (i. e. *Vipera berus*, *V. ursinii*, *Coronella austriaca* and *Elaphe longissima*) for which very limited data on their distribution in Greece are available so far. Furthermore, it is necessary to be clarified whether several taxa already recorded from adjacent Balkan areas are

A checklist of Greek reptiles. II. The snakes

distributed in northeastern parts of the country as well (i. e. *Coluber rubri-eps*, *Vipera ammodytes montandoni* etc.).

SPECIES ACCOUNT

Class: REPTILIA, Order: SQUAMATA, Suborder: OPHIDIA or SERPENTES

Family: TYPHLOPIDAE GRAY, 1825

Genus: *Typhlops* OPPEL, 1811

Typhlops vermicularis MERREM, 1820

Mainland

Thrace: Prefecture of Evros (STEPÁNEK 1944)

Macedonia: Prefectures of Grevena (BRINGSØE 1985), Imathia (STEPÁNEK 1944), Thessaloniki (STEPÁNEK 1944; KATTINGER 1972; BRINGSØE 1985), Serres (BC obs., Alistrai/19.5.80), Drama (BC obs., Prosotsani/21.5.80), Kavala (CYRÉN 1941).

Thessaly: Prefectures of Larissa (BURESCH & ZONKOW 1934; BRINGSØE 1985), Magnesia (WERNER 1927).

Epirus: Prefectures of Ioannina (WERNER 1938a, 1938b; BRINGSØE 1985), Arta (ZMUP 1009, Arta town/11.8.87).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888; WERNER 1912; SZIJJ, 1983; KEYMAR 1986b; BC coll., Kamaroula/10.10.87), Fokida (BOETTGER 1888; WERNER 1912; BURESCH & ZONKOW 1934), Boeotia (WERNER 1938b), Attica (BOETTGER 1888, BURESCH & ZONKOW 1934; WERNER 1938b; STEPÁNEK 1944; BRINGSØE 1985; DIMITROPOULOS & GAETHLICH 1986; SV obs., Kaessariani/5.4.87).

Peloponnese: Prefectures of Achaia (STEPÁNEK 1944; IN DEN BOSCH & MUSTERS 1981; BRINGSØE 1985; ZMUP 962, 963, 964, 965, 966, Ano Kastritsi/31.5.71, 995, 996, Magoula/10.5.81; BC obs., Platani/5.5.82, Elekistra/28.4.85, Ziria/30.6.85), Ilia (WERNER 1938b; BC obs., Dafniotissa/11.5.81, between Loutra Kyllinis and Kastro/16.7.82), Messinia (WERNER 1912; BURESCH & ZONKOW 1934; CYRÉN 1935, 1941; STEPÁNEK 1944; IN DEN BOSCH & MUSTERS 1981; MEYER 1985; BC obs., Soulinari/11.7.83), Laconia (IN DEN BOSCH & MUSTERS 1981; BRINGSØE 1985; BUTTLE 1987; BC obs., Kelefas/2.8.85), Arcadia (BRINGSØE 1985), Argolida (BOETTGER 1888; CLARK 1968a; EWALD 1980; BRINGSØE 1985; BUTTLE 1987; BC obs., Metochi/16.5.83), Corinthia (BOETTGER 1888; WERNER 1912, 1930; BURESCH & ZONKOW 1934; BRINGSØE 1985).

Ionian islands

Kerkyra (BOETTGER 1888; WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961, 1968; MAHNERT 1973; KEYMAR 1984, 1986b; WÜTSCHERT 1984), Lefkada (WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961; KEYMAR 1986b; BC coll., between Exanthia and Agios Nikitas/29.7.86).

B. P. CHONDROPOULOS

Aegean islands

Argo-saronic islands: Salamina (BOETTGER 1888; WERNER 1912, 1937, 1938a; WETTSTEIN 1953; BRINGSØE 1985).

Cyclades: Andros (BIRD 1935; WERNER 1938a; WETTSTEIN 1953), Naxos (BOETTGER 1888; WERNER 1912, 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BUCHHOLZ 1955; MERTENS & WERMUTH 1960; BARAN 1976).

North Sporades: Skyros (BURESCH & ZONKOW 1934; BUCHHOLZ & SCHULTZE-WESTRUM 1964).

Dodecanese: Patmos (CLARK 1968a), Kos (WERNER 1930, 1938a; BURESCH & ZONKOW 1934, WETTSTEIN 1953), Rhodos (BURESCH & ZONKOW 1934; MERTENS & WERMUTH 1960; BARAN 1976).

Euboea: (BOETTGER 1888, 1891; WERNER 1912, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; CLARK 1968a; WESTRIN 1976b), Kythera (WERNER 1912, 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; PIEPER 1970), Lesvos (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BROGGI 1978; SV obs., Moria/11.5.85), Samos (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953).

Family: BOIDAE GRAY, 1825

Genus: *Eryx* DAUDIN, 1803

Eryx jaculus (LINNAEUS, 1758)

E. j. turcicus (OLIVIER, 1801)

Mainland

Macedonia: Prefectures of Pieria (BC obs., between Kitros and Alonia/24.5.79), Thessaloniki (BURESCH & ZONKOW 1934; KATTINGER 1972), Serres (BC obs., Vamvakophyto/17.5.80), Drama (BC obs., between Drama and Prosotsani/21.5.80).

Thessaly: Prefecture of Larissa (CLARK 1968a).

Epirus: Prefecture of Thesprotia (KEYMAR 1986b).

Sterea: Prefectures of Aetoloacarnania (CYRÉN 1941; KEYMAR 1986b), Fokida (BOETTGER 1888), Attica (BOETTGER 1888; WERNER 1930, 1935; BURESCH & ZONKOW 1934, CYRÉN 1935).

Peloponnese: Prefectures of Achaia (GNHM 48, outskirts of Aegio/4.1.87), Messinia (BURESCH & ZONKOW 1934; WERNER 1937), Laconia (CYRÉN 1941; BRINGSØE 1985; KEYMAR 1986a), Argolida (WERNER 1937; CLARK 1967a, 1968a, KEYMAR 1986a), Corinthia (KEYMAR 1986a).

A checklist of Greek reptiles. II. The snakes

Ionian islands

Kerkyra (BOETTGER 1888; WERNER 1912, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS & WERMUTH 1960; MERTENS 1961, 1968; MAHNERT 1973; KEYMAR 1984, 1986b; WÜTSCHERT 1984).

Aegean islands

Argo-saronic islands: Spetses (CLARK 1967a, 1968a, 1970).

Cyclades: Tinos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953), Kimolos (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953), Polyegos (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953), Milos (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935), Folegandros (WERNER 1935, 1938a), Sikinos (WERNER 1935, 1938a; WETTSTEIN 1953), Ios (WERNER 1935, 1938a; WETTSTEIN 1953; BUCHHOLZ 1955; CLARK 1968a; LOTZE 1973), Paros (WERNER 1935, 1938a; WETTSTEIN 1953; BUCHHOLZ 1955; GRUBER & FUCHS 1977), Antiparos (GRUBER & FUCHS 1977), Naxos (BOETTGER 1888; WERNER 1899, 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; LOTZE 1973; SV obs., Moutsouna/19.5.84), Heraklia (LOTZE 1973), Schinoussa (LOTZE 1973), Epano Koufonissi (LOTZE 1973), Keros (WETTSTEIN 1953; LOTZE 1973), Antikeros (WETTSTEIN 1953; LOTZE 1973), Amorgos (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BUCHHOLZ 1955; CLARK 1968a; LOTZE 1973; LIEFTINCK 1974).

Dodecanese: Leros (GNHM 63, Lakki/18.8.87), Kalymnos (SCHNEIDER 1983), Kos (WERNER 1930, 1935; BURESCH & ZONKOW 1934; WETTSTEIN 1953; PIEPER 1970; GRUBER 1979).

Limnos (SCHNEIDER 1986), Chios (GNHM 15, Chios town/15.9.86).

Family: COLUBRIDAE GRAY, 1825

Genus: *Coluber* LINNAEUS, 1758

Coluber caspius GMELIN, 1789

Mainland

Thrace: Prefecture of Rhodopi (WÜTSCHERT 1984).

Macedonia: Prefectures of Florina (ZMUP 1006, Microlimni/21.4.87; JI & DB obs., Prespa Lake Reserve/1986), Imathia (BURESCH & ZONKOW 1934), Pieria (CLARK 1968a), Thessaloniki (KATTINGER 1972), Kilkis (BURESCH & ZONKOW 1934), Serres (BC obs., outskirts of Prosotsani/21.5.80), Kavala (CLARK 1968a).

Thessaly: Prefectures of Karditsa (ZMUP 802, Sofades/15.7.66, 997 Mitropoli/7.6.65), Larissa (WERNER 1938b; BRINGSØE 1985), Magnessia (WETTSTEIN 1957; BUCHHOLZ & SCHULTE-ZE-WESTRUM 1964).

Epirus: Prefectures of Thesprotia (KEYMAR 1986b), Ioannina (CLARK 1968a; BC obs., 5km N of Konitsa/20.5.79).

B. P. CHONDROPOULOS

Sterea: Prefectures of Fthiotida (BC obs., Ypati/2.6.81), Fokida (BC obs., Tichio/14.5.77), Boeotia (WERNER 1938b), Attica (WERNER 1938b).

Ionian islands

Kerkyra (BOETTGER 1888; WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; CYRÉN 1941; WETTSTEIN 1953; MERTENS 1961, 1968; MUDDE 1982; WÜTSCHERT 1984; BRINGSØE 1985; KEYMAR 1986b).

Aegean islands

Argo-saronic islands: Aegina (BRINGSØE 1985), Spetses (CLARK 1967a, 1968a, 1970).

Cyclades: Andros (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1937, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; BEUTLER & FRÖR 1980; SV obs., Ami/24.5.82), Syros (CLARK 1968a; BEUTLER & FRÖR 1980), Tinos (BOETTGER 1888; WERNER 1930; BURESCH & ZONKOW 1934; BIRD 1935; CLARK 1968a; BEUTLER & FRÖR 1980; BOHLMANN & al. 1981), Kea (BIRD 1935; WERNER 1938a; WETTSTEIN 1953), Kythnos (WERNER 1935, 1938a; BIRD 1935; WETTSTEIN 1953; ZINGG 1968; CLARK 1968a; GRILLITSCH & TIEDEMANN 1984), Serifos (BOETTGER 1888, WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BUCHHOLZ 1955; CLARK 1968a), Sifnos (WERNER 1935, 1938a; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; GRILLITSCH & TIEDEMANN 1984), Thera (CLARK 1968a; but FRÖR & BEUTLER 1978 and GRUBER 1979 doubt the occurrence of this taxon on Thera).

FRÖR & BEUTLER (1978) and BEUTLER & FRÖR (1980) mention that this snake may also live on Mykonos.

North Sporades: Lechoussa or Lykoremma islet (near Peristeri island) (BUCHHOLZ & SCHULTE-ZE-WESTRUM 1964).

According to WETTSTEIN (1957) it is probable that this taxon also occurs on Youra.

Dodecanese: Kalymnos (CLARK 1968a), Karpathos (WETTSTEIN 1953; PIEPER 1970; BRINGSØE 1985).

Euboea (CLARK 1968a; BRINGSØE 1985), Thassos (CYRÉN 1933, 1941; BURESCH & ZONKOW 1934; WERNER 1938a; WETTSTEIN 1953; KATTINGER 1972; BRINGSØE 1985), Samothraki (WERNER 1935, 1938a; CYRÉN 1941; WETTSTEIN 1953; BRINGSØE 1985), Limnos (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; CYRÉN 1941; WETTSTEIN 1953; BRINGSØE 1985; SCHNEIDER 1986), Chios (BURESCH & ZONKOW 1934; WERNER 1935, 1938a; WETTSTEIN 1953; DIMITROPOULOS 1987; GNHM 19, 20, 21, Lavrina near Chalkio/20.9.86), Samos (BURESCH & ZONKOW 1934; WERNER 1935, 1938a; WETTSTEIN 1953; CLARK 1968a), Ikaria (BURESCH & ZONKOW 1934; WERNER 1935, 1938a; WETTSTEIN 1953, 1957; CLARK 1968a; SV obs., near Panagia/14.5.85).

Coluber gemonensis (LAURENTI, 1768)

C. g. gemonensis (LAURENTI, 1768)

Mainland

Macedonia: Prefecture of Imathia (ZMUP 352, 670, Alexandria/26.4.71, 18.7.71).

A checklist of Greek reptiles. II. The snakes

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1986b), Preveza (REYNOLDS 1984), Ioannina (BC obs., Dodoni/24.8.87).

Thessaly: Prefecture of Larissa (BOETTGER 1888).

Sterea: Prefectures of Aetoloacarnania (CYRÉN 1941; Bc coll., between Paliampela and Vonitsa/26.7.86), Evrytania (ZMUA 7, Tymphristos/1862; ZMUP 272, Karpenissi/6.7.81; BC obs., Pappa-rousi/10.10.87), Fokida (BOETTGER 1888), Boeotia (BEDRIAGA 1882), Attica (BOETTGER 1888; ZMUP 460, Kastri/13.8.72).

Peloponnese: Prefectures of Achaia (HATZIRVASANIS 1987; ZMUP 638, Patra University Campus/1.6.70, 986, Ano Kastritsi/3.6.71, 994 Vassiliko/3.2.70; BC obs., Ziria/20.5.83, Zastova/17.5.85, Strofilia Wood/19.5.85), Ilia (ZMUP 1004, Douneika/16.8.65; BC obs., Loutra Kyllinis/18.7.82, Peristeri/21.7.82; GC obs., Andravida/5.9.85), Messinia (WERNER 1912; CYRÉN 1935, 1941; MEYER 1985; BRINGSØE 1985; BUTTLE 1987; ZMUP 578, Valyra/14.4.71), Laconia (CLARK 1968a; BRINGSØE 1985), Arcadia (CYRÉN 1941; CLARK 1968a; HATZIRVASANIS, 1987; BC coll., Karytena/2.6.82), Argolida (CLARK 1968a; BRINGSØE 1985; BUTTLE 1987), Corinthia (WERNER 1935; LINDFORS 1976; BUTTLE 1987; BC obs., 2km S of Solomos/12.6.87).

Ionian islands

Kerkyra (WERNER 1912, 1938a; CYRÉN 1941; MERTENS 1961, 1968; KOCK 1979; MUDDE 1982; STAFFORD 1984; WÜTSCHERT 1984; KEYMAR 1986b), Lefkada (BC obs., Hortata/23.6.86), Kephallonia (KOCK 1979; KEYMAR 1986b; BC obs., Agia Efimia/20.9.82, 2,5km E of Razata/21.9.82), Zakynthos (MAHNERT 1973; KOCK 1979; KEYMAR 1986b; GNHM 51, Laganas/13.8.80; BC coll., Agios Leon/20.5.81; GC obs., outskirts of Vassiliko/9.6.85).

The occurrence of this snake on Ithaki island is possible (KEYMAR 1986b).

Aegean islands

Argo-saronic islands: Aegina (WERNER 1938a; WETTSTEIN 1953; CLARK 1970; KOCK 1979), as well as the Argolic Gulf islets Psili (CLARK 1972; KOCK 1979), Platia (KOCK 1979) and Romvi (CLARK 1972).

North Sporades: Aspro or Aspronissi islet (near Skiathos island) (BUCHHOLZ & SCHULTZE-WESTRUM 1964).

Euboea (CYRÉN 1935, 1941; WERNER 1938a; WETTSTEIN 1953; MERTENS & WERMUTH 1960; KOCK 1979) Kythera (WERNER 1899, 1912, 1930, 1938a; WETTSTEIN 1953; MERTENS & WERMUTH 1960; PIEPER 1970; KOCK 1979), Crete (BOETTGER 1888; WERNER 1912, 1930, 1935, 1938a; WETTSTEIN 1931, 1953, 1968; STEPÁNEK 1934, 1944; CYRÉN 1941; MERTENS & WERMUTH 1960; PIEPER 1970; KOCK 1979; STRIBOSCH 1984; SOWIG 1985; ZMUP 290, Melesses, Pref. of Iraklio/29.7.67, 660 Myrtos, Pref. of Lasithi/25.5.66; BC obs., Geropotamos River estuary, Pref. of Iraklio/6.4.87, 3km S of Sivas, Pref. of Iraklio/5.6.87, between Krya Vryssi and Akoumia, Pref. of Rhethymno/6.6.87), as well as the adjacent islands and islets Dia (STEPÁNEK 1940, 1944; WETTSTEIN 1953; KOCK 1979), Gavdos (KOCK 1979), Dionysiades group (KOCK 1979), Gramvousa (KOCK 1979) and Theodoros (WETTSTEIN 1953).

B. P. CHONDROPOULOS

* *C. g. gyarosensis* MERTENS, 1968

Aegean islands

Cyclades: Yaros (WETTSTEIN 1953; MERTENS 1968; KOCH 1979; BEUTLERR & FRÖR 1980).

Coluber jugularis LINNAEUS, 1758

C. j. jugularis LINNAEUS, 1758

Aegean islands

Dodecanese: Patmos (GNHM 85, Moni Agiou Ioannou/13.8.82), Leros (CLARK 1968a; DIMITROPOULOS 1987; GNHM 25, 26, Alynta/16., 17.8.86), Kalymnos (CLARK 1968a), Kos (WERNER 1930, 1935; BEUTLER 1979), Tilos (CLARK 1972), Symi (CLARK 1972), Rhodos (WERNER 1930, 1935; WETTSTEIN 1953, 1965; CLARK 1968a; PIEPER 1970; LAMBERT 1970; BARAN 1976).

Coluber najadum (EICHWALD, 1831)

C. n. najadum (EICHWALD, 1831)

Aegean islands

Dodecanese: Rhodos (WERNER 1930; BURESCH & ZONKOW 1934; WETTSTEIN 1953, 1965; ONDRIAS 1968; BARAN 1976).

C. n. dahlii SCHINZ, 1833

Mainland

Thrace: Prefecture of Evros (WERNER 1938a; CLARK 1968a).

Macedonia: Prefectures of Grevena (BC obs., Vatolakkos/2.9.78), Imathia (BURESCH & ZONKOW 1934), Thessaloniki (KATTINGER 1972), Kilkis (CLARK 1968a), Serres (BC obs., 3km E of Nea Zihni/20.5.80).

Thessaly: Prefecture of Larissa (BURESCH & ZONKOW 1934; CYRÉN 1941).

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1984), Preveza (CLARK 1968a; REYNOLDS 1984), Ioannina (CLARK 1968a; MALAKOU & al., 1986; BC obs., Perama/20.8.86), Arta (CLARK 1968a; SZIJJ 1982).

Sterea: Prefectures of Aetoloacarnania (CYRÉN 1941; KEYMAR 1986b; SZIJJ 1983; BC obs., between Paliampela and Vonitsa/26.7.86), Fthiotida (BRINGSØE 1985), Fokida (CYRÉN 1941; BC obs., Sergoula/20.8.87), Boeotia (BURESCH & ZONKOW 1934; WERNER 1938b; ZMUP 1002, Eleonas/15.5.67), Attica (WERNER 1912, 1930, 1938b; BURESCH & ZONKOW 1934; CYRÉN 1941; DIMITROPOULOS & GAETHLICH 1986; GNHM 22, 23 Paenaria/4, 6.8.80).

A checklist of Greek reptiles. II. The snakes

Peloponnese: Prefectures of Achaia (ZMUP 157, Magoula/10.5.81; BC obs., Kato Kastritsi/20.9.77, between Alissos and Loussika/17.9.81, Pititsa/20.5.83), Ilia (CYRÉN 1941; BC coll., Andravida/21.7.82), Messinia (MEYER 1985), Laconia (WERNER 1912; BURESCH & ZONKOW 1934; CLARK 1968a; BRINGSØE 1985), Arcadia (HATZIRVASANIS 1987), Argolida (WERNER 1938a; CLARK 1968a), Corinthia (LINDFORS 1976; EWALD 1980; BRINGSØE 1985).

Ionian islands

Kerkyra (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; CYRÉN 1941; MERTENS 1961, 1968; MUDDE 1982; HANGER 1984; STAFFORD 1984; WÜTSCHERT 1984; KEYMAR 1986b), Kalamos (CYRÉN 1935, 1941; WERNER 1938a; KEYMAR 1986b), Kastos (CYRÉN 1935, 1941; WERNER 1938a; KEYMAR 1986b), Karlonissi (CYRÉN 1935, 1941; KEYMAR 1986b), Provati (CYRÉN 1935, 1941; WERNER 1938a; KEYMAR 1986b), Oxia (WERNER 1938a; CYRÉN 1935, 1941; KEYMAR 1986b).

Aegean islands

Argo-saronic islands: Salamina (CLARK 1970; GC obs., outskirts of the Navy Yard/4.10.85), Aegina (CLARK 1968a, 1970), Poros (CLARK 1967a, 1968a, 1970), Spetses (CLARK 1967a, 1968a, 1970), as well as the islet Romvi in the Argolic Gulf (CLARK 1972).

Cyclades: Kea (WERNER 1935, 1938a; WETTSTEIN 1953; CLARK 1967a; GRILLITSCH & TIEDEMANN 1984; DUSEJ 1986), Kythnos (GRILLITSCH & TIEDEMANN 1984).

Dodecanese: Patmos (CLARK 1968a), Leros (CLARK 1968a; GNHM 86, Lakki/6.8.84), Kos (WERNER 1930; BURESCH & ZONKOW 1934; WETTSTEIN 1953; CLARK 1968a).

Euboea (CLARK 1968a; WESTRIN 1976b; SV obs., Stira/15.10.87), Thassos (CYRÉN 1933, 1941; BURESCH & ZONKOW 1934; WERNER 1938a; WETTSTEIN 1953), Samothraki (WERNER 1935), Limnos (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; SCHNEIDER 1986), Lesvos (VALAKOS 1987), Chios (DIMITROPOULOS 1987; GNHM 24, outskirts of the Chios town/16.9.86), Samos (DAAN 1967).

* *C. n. kalymnensis* SCHNEIDER, 1979

Aegean islands

Dodecanese: Kalymnos (SCHNEIDER 1979, 1983).

Coluber nummifer REUSS, 1834

Aegean islands

Dodecanese: Patmos (GNHM 83, Skala/10.8.82), Lipsi (GNHM 84, near the Lipsi village/8.8.84), Leros (DIMITROPOULOS 1987; GNHM 27, 28, Alynta/15, 6.9.86), Kalymnos (SCHNEIDER 1983), Kos (LOTZE 1974, 1977; BEUTLER 1979), Symi (CLARK 1972), Rhodos (WERNER 1935; WETTSTEIN 1953, 1965, 1967; BARAN 1976), Kastellorizo (VALAKOS & PAPAPANAGIOTOU 1985).

B. P. CHONDROPOULOS

So far all Greek populations of this snake were classified as *Coluber ravergeri nummifer* REUSS, 1834; but according to SCHÄTTI & AGASIAN (1985) this taxon must be considered a distinct species, *C. nummifer* REUSS, 1834, well separated from *C. ravergeri* MÉNÉTRIES, 1832.

Genus: *Coronella* LAURENTI, 1768

Coronella austriaca LAURENTI, 1768

C. a. austriaca LAURENTI, 1768

Mainland

Macedonia: Prefecture of Florina (JI & DB obs., Prespa Lake Reserve/1986; SV obs., Psarades/26.4.84).

Thessaly: Prefecture of Larissa (WERNER 1938a; CYRÉN 1941).

Epirus: Prefecture of Ioannina (NILSON & ANDRÉN 1988).

Sterea: Prefectures of Evrytania (CYRÉN 1935, 1941; WERNER 1938a; ZMUP 987, Karpenissi/10.6.81), Fthiotida (STEPÁNEK 1944; WETTSTEIN 1957; BC obs., Moni Agathona/1.6.81), Fokida (STEPÁNEK 1944; BC obs., Tichio/14.5.77), Boeotia (WERNER 1938b; STEPÁNEK 1944).

Peloponnese: Prefectures of Achaia (BRINGSØE 1985; KEYMAR 1986a), Arcadia (HATZIRVASANIS 1987), Corinthia (WETTSTEIN 1953; BRINGSØE 1985; KEYMAR 1986a).

Aegean islands

Samothraki (WERNER 1938b; GRUBER 1979).

GRUBER (1979) believes that this species "..... could with certainty be expected also on Thassos". This snake is a mountain dweller, especially in the central and southern parts of its Greek range.

Genus: *Eirenis* JAN, 1863

Eirenis modestus (MARTIN, 1838)

E. m. modestus (MARTIN, 1838)

Aegean islands

Dodecanese: Leros (PIEPER 1970; DIMITROPOULOS 1987), Kalymnos (CLARK 1968a; SCHNEIDER 1983), Symi (CLARK 1972), Kastellorizo (VALAKOS & PAPAPANAGIOTOU 1985).

Lesvos (WERNER 1930, 1935, 1938a; CYRÉN 1941; WETTSTEIN 1953; MERTENS & WERMUTH 1960; PIEPER 1970; BROGGI 1978), Chios (BOETTGER 1888; WERNER 1930, 1935, 1938a; CYRÉN 1941; WETTSTEIN 1953; MERTENS & WERMUTH 1960; PIEPER 1970; DIMITROPOULOS 1987; ZMUP 1010, 1011, -/1986), Samos (BOETTGER 1888; WERNER 1930, 1935, 1938a; CYRÉN 1941; WETTSTEIN 1953; MERTENS & WERMUTH 1960; CLARK 1968a; PIEPER 1970), as well as the islet Alazonissi or Alatonissi (Furni archipelago) (WETTSTEIN

A checklist of Greek reptiles. II. The snakes

1937, 1953; WERNER 1938a; CYRÉN 1941; PIEPER 1970; BARAN 1976).

According to WERNER (1938a) *E. modestus* possibly exists on the island Agios Efstratios (S of Limnos island). The Alazonissi population was originally described by WETTSTEIN (1937) as a separate subspecies, *E. m. wernerii*, but according to BARAN (1976) this name must be considered as a synonym of *E. m. modestus*.

Genus: *Elaphe* FITZINGER, 1833

Elaphe longissima (LAURENTI, 1768)

E. l. longissima (LAURENTI, 1768)

Mainland

Macedonia: Prefectures of Florina (JI & DB obs., Prespa Lake Reserve/1986), Imathia (BURESCH & ZONKOW 1934), Pieria (SCHMIDT 1982), Thessaloniki (BURESCH & ZONKOW 1934), Serres (BC coll., Ano Vrontou/18.5.80).

Thessaly: Prefectures of Trikkala (ZMUP 1003, Fiki/20.9.66; BC obs., 2km NE of Pertouli/5.9.78), Larissa (BURESCH & ZONKOW 1934; CYRÉN 1941; SCHMIDT 1982).

Epirus: Prefectures of Thesprotia (KEYMAR 1986b), Preveza (WERNER 1912; BURESCH & ZONKOW 1934).

Sterea: Prefectures of Aetoloacarnania (WERNER 1912; BURESCH & ZONKOW 1934; CYRÉN 1941; BC obs., Moni Prodromou, N of Nafplaktos/10.9.80), Fthiotida (CLARK 1972), Fokida (ZMUP 29, Glyfada/12.5.82; BC obs., between Tichio and Palaeoxari/14.5.77), Boeotia (WERNER 1912, 1938b; BURESCH & ZONKOW 1934).

Peloponnese: Prefectures of Achaia (ZMUP 813, Kalanos/12.5.86; BC coll., Kerpini/27.5.83), Messinia (CLARK 1972; KEYMAR 1986a), Argolida (KEYMAR 1986a).

Ionian islands

Kerkyra (WÜTSCHERT 1984; KEYMAR, 1986b), Paxi (REYNOLDS 1984).

Elaphe quatuorlineata (LACÉPÈDE, 1789)

E. q. quatuorlineata (LACÉPÈDE, 1789)

Mainland

Macedonia: Prefectures of Florina (JI & DB obs., Prespa Lake reserve/1986), Thessaloniki (KATTINGER 1972), Serres (BURESCH & ZONKOW 1934; BC obs., 10,5km SW of Ano Vrontou/18.5.80), Drama (BURESCH & ZONKOW 1934).

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1986b), Preveza (SZIJJ 1982; REYNOLDS 1984), Ioannina (WERNER 1938b; BC obs., Zitsa/19.5.79), Arta (SZIJJ 1983).

Sterea: Prefectures of Aetoloacarnania (WERNER 1930, 1938b); BURESCH & ZONKOW 1934; CYRÉN 1941; SZIJJ 1983; KEYMAR 1986b; ZMUP 999, Thermo/29.5.80; ZMUA 101, Acarnania/1884), Evrytania (WERNER 1938b), Fokida (BURESCH & ZONKOW 1934; BC obs., Filothei/

B. P. CHONDROPOULOS

11.9.80), Boeotia (BURESCH & ZONKOW 1934), Attika (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930; WETTSTEIN 1953; KRATZER 1973; DIMITROPOULOS & GAETHLICH 1986; ZMUP 420, Kastrí/15.8.72).

Peloponnese: Prefectures of Achaia (WERNER 1929, 1930; BURESCH & ZONKOW 1934; KEYMAR 1986a; ZMUP 998, Tsoukaleica/16.6.70; BC obs., Strofilia Wood/5.6.83, Fteri/1.5.85; SV obs., near Kalavryta/27.5.83), Ilia (WERNER 1899; BURESCH & ZONKOW 1934; BC obs., Panopoulos Wood/25.4.86, 4km SW of Lala/25.4.86), Messinia (WERNER 1930; STEPÁNEK 1944), Laconia (WERNER 1899, 1930; BURESCH & ZONKOW 1934; CYRÉN 1941; KRATZER 1973), Argolida (WERNER 1938a).

Ionian islands

Kerkyra (WERNER 1912, 1927, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961, 1968; KÜCHLER 1979; MUDDE 1982; WÜTSCHERT 1984; BRINGSØE 1985; KEYMAR 1986b; HOPKINS, pers. comm.), Kephalonia (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; BRINGSØE 1985; KEYMAR 1986b), Zakynthos (KEYMAR 1986b), Kalamos (WERNER 1938a; KEYMAR 1986b), Karlonissi (CYRÉN 1935, 1941), Provati (CYRÉN 1935, 1941).

Aegean islands

Argo-saronic islands: Spetses (CLARK 1967a, 1967b, 1968a, 1970; BRINGSØE 1985).

Cyclades: Kea (WERNER 1935, 1938a; WETTSTEIN 1953; CLARK 1967b; KRATZER 1973; GRILLITSCH & TIEDEMANN 1984; SV obs., Koundouros/6.6.87), Tinos (BEUTLER & FRÖR 1980), Mykonos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; MERTENS & WERMUTH 1960; BUCHHOLZ 1961; CLARK 1967b, 1968a; KRATZER 1973; WESTRIN 1976a; BEUTLER & FRÖR 1980), Paros (CLARK 1967b, 1968a, 1971; LOTZE 1973; KRATZER 1973; GRUBER & FUCHS 1977), Naxos (WETTSTEIN 1957; BUCHHOLZ 1961; CLARK 1967b; LOTZE 1973; KRATZER 1973; SV obs., Moutsouna/19.5.84), Heraklia (LOTZE 1973; KRATZER 1973), Schinoussa (LOTZE 1973), Milos (WETTSTEIN 1953; KRATZER 1973), Antimilos (WERNER 1935, 1938a; SCHWEIZER 1935; WETTSTEIN 1957; BUCHHOLZ 1961; KRATZER 1973), Ios (WERNER 1935, 1938a; WETTSTEIN 1953; BUCHHOLZ 1955, 1961; MERTENS & WERMUTH 1960; CLARK 1967b, 1968a; LOTZE 1973; KRATZER 1973), Thera [CLARK 1967b, 1968a; LOTZE 1973; KRATZER 1973; but FRÖR & BEUTLER (1978), GRUBER (1979) and BEUTLER & FRÖR (1980) dispute the existence of this taxon on Thera].

North Sporades: Skiathos (BUCHHOLZ & SCHULTZE-WESTRUM 1964), Skyros (WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934).

Euboea (BURESCH & ZONKOW 1934; CLARK 1968a; WESTRIN 1976b; GRUBER 1979; BRINGSØE 1985; AD obs., Agia Anna/16.8.84).

* *E. q. rechingeri* WERNER, 1932

Aegean islands

Cyclades: Amorgos (BIRD 1935; WETTSTEIN 1953; BUCHHOLZ 1961; CLARK 1967b, 1968a, 1971; LOTZE 1970, 1973; KRATZER 1973; GRUBER 1979; BRINGSØE 1985; AD obs./3.9.84).

A checklist of Greek reptiles. II. The snakes

E. q. sauromates (PALLAS, 1814)

Mainland

Thrace: Widespread (BURESCH & ZONKOW 1934; MERTENS & WERMUTH 1960; CLARK 1967b; BC obs., 3,5km SW of Echinos, Pref. of Xanthi/23.5.80, Pandrosos, Pref. of Rhodopi/25.5.80).

Macedonia: Eastern part (CLARK 1967b).

Aegean islands

Thassos (GRUBER 1979; BRINGSØE 1985), Samothraki (WETTSTEIN 1953; BRINGSØE 1985).

Elaphe situla (LINNAEUS, 1758)

Mainland

Macedonia: Prefectures of Florina (JI & DB obs., Prespa Lake Reserve/1986), Pieria (BC obs., between Kolindros and Kastanea/25.5.79), Thessaloniki (BURESCH & ZONKOW 1934; KATTINGER 1972), Chalkidiki (BC coll., Paliouri/29.7.84), Serres (BC obs., Vamvakophyto/17.5.80), Drama (BURESCH & ZONKOW 1934), Kavala (BURESCH & ZONKOW 1934).

Thessaly: Prefectures of Trikkala (BURESCH & ZONKOW 1934), Larissa (BRUNO 1969), Magnesia (BOETTGER 1888; WERNER 1927; WETTSTEIN 1953).

Epirus: Prefectures of Thesprotia (BURESCH & ZONKOW 1934; KEYMAR 1986b), Ioannina (CLARK 1968a), Arta (SZIJJ 1982; BC obs., Petas/26.8.84).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888; KEYMAR 1986b), Evrytania (ZMUP 637, Chrysso/29.8.67; BC obs., An. Frangista/10.10.87), Fthiotida (ZMUP 571, Kallithea/18.4.66), Fokida (BC obs., 2km S of Tichio/2.5.80), Boeotia (BURESCH & ZONKOW 1934; BRINGSØE 1985), Attica (BOETTGER 1888; WERNER 1912; CYRÉN 1935; BRUNO 1969; DIMITROPOULOS & GAETHLICH 1986; ZMUP 464, Kastri/13.8.72; ZMUA 8, Athens/1937, 19, Athens/-, 80, Athens/27.5.34; GNHM 31, Varnavas/10.4.83, 32, Marathon/4.6.81, 33, Paenia/18.5.81).

Peloponnese: Prefectures of Achaia (WERNER 1929; CYRÉN 1935, 1941; BRUNO 1969; BRINGSØE 1985; HATZIRVASANIS 1987; ZMUP 294, Tsoukaleica/29.9.82, 658, Ano Kastritsi/15.2.73, 817, Patra University Campus/4.6.84, 820, Proastio/30.10.83, Ano Kastritsi/14.10.71; BC obs., Strofilia Wood/5.6.83), Ilia (BRUNO 1969; BC coll., Sella/5.5.83, Elekistra/28.4.85), Messinia (BOETTGER 1888; WERNER 1912; WETTSTEIN 1953; BRUNO 1969; IN DEN BOSCH & MUSTERS 1981; BRINGSØE 1985; KEYMAR 1986a; ZMUP 816, Yalova/1.3.84), Laconia (BOETTGER 1888; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BRUNO 1969; BRINGSØE 1985; KEYMAR 1986a; ZMUP 297, Vrontamas/13.5.82), Arcadia (BRINGSØE 1985; HATZIRVASANIS 1987; ZMUP 993, Kastanochori/2.5.67; BC obs., between Kalonera and Langadia/26.4.86), Argolida (CLARK 1967a, 1968a; BRUNO 1969; BRINGSØE 1985), Corinthia (BRUNO 1969; LINDFORS 1976; BUTTLE 1987; ZMUP 463, Elliniko/1970, 477, Moulki/9.8.72).

B. P. CHONDROPOULOS

Ionian islands

Kerkyra (BOETTGER 1888; BURESCH & ZONKOW 1934; WERNER 1912, 1929, 1930, 1938a; MERTENS 1961, 1968; WÜTSCHERT 1984; KEYMAR 1986b), Kephallonia (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961; KOCH 1979; KEYMAR 1986b), Ithaki (KEYMAR 1986b), Zakynthos (GC obs., Vassiliko/3.8.83).

Aegean islands

Argo-saronic islands: Salamina (GC obs., outskirts of the Navy Yard/26, 30.1.86), Spetses (CLARK 1967a, 1968a, 1970).

Cyclades: Andros (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BRUNO 1969; BEUTLER & FRÖR 1980; SIGG 1984; SV obs., Ami/24.5.82), Syros (BOETTGER 1888; WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; BRUNO 1969; BEUTLER & FRÖR 1980; SIGG 1984), Tinos (BEUTLER & FRÖR 1980; BOHLMANN & al. 1981), Kea (DUSEJ 1986), Kythnos (WERNER 1935, 1938a; WETTSTEIN 1953; BRUNO 1969; SIGG 1984; GRILLITSCH & TIEDEMANN 1984), Serifos (CLARK 1968a; BRUNO 1969), Sifnos (GRILLITSCH & TIEDEMANN 1984), Milos (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1953, 1957; BUCHHOLZ 1955; BRUNO 1969; SIGG 1984; STUBBS 1985; VAN MOOK 1986; GNHM 30, Apollonia/4.8.80), Kimolos (AD obs., near the Kimolos town), Paros (BUCHHOLZ 1955; GRUBER & FUCHS 1977), Thera (WERNER 1938a; CLARK 1972; FRÖR & BEUTLER 1978; GRUBER 1979).

North Sporades: Skopelos (WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BUCHHOLZ & SCHULTZE-WESTRUM 1964; BRUNO 1969; SIGG 1984), Skyros (WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BRUNO 1969; SIGG 1984).

Dodecanese: Kos (ZAVATTARI 1929; BRUNO 1969; SIGG 1984), Rhodos (WERNER 1930; BURESCH & ZONKOW 1934; WETTSTEIN 1953, 1965, 1967; BRUNO 1969; SIGG 1984).

Euboea (BURESCH & ZONKOW 1934; WERNER 1938a; WETTSTEIN 1953; BRUNO 1969; SIGG 1984), Kythera (WERNER 1929, 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BRUNO 1969; PIEPER 1970; SIGG 1984), Lesvos (BROGGI 1978; SV obs., Sykamia/19.7.87), Chios (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; BRUNO 1969; BROGGI 1978; SIGG 1984; DIMITROPOULOS 1987), Samos (BURESCH & ZONKOW 1934; WERNER 1938a; WETTSTEIN 1953; BRUNO 1969; BROGGI 1978; SIGG 1984), Crete (BOETTGER 1888; WERNER 1912, 1929, 1930, 1938a; WETTSTEIN 1931, 1953; BURESCH & ZONKOW 1934; STEPÁNEK 1944; MERTENS & WERMUTH 1960; BRUNO 1969; PIEPER 1970; FUCHS 1979; SIGG 1984; STRIJBOSCH 1984; SOWIG 1985; ZMUP 276, Xidas, Pref. of Iraklio/15.7.67, 324, 992, Messeleri, Pref. of Lassithi/23.7.66, 25.8.66, 378, 576, Peza, Pref. of Iraklio/24.7.83, 1.8.73, 394, Korakovouni, Pref. of Iraklio/7.6.67, 459, 704, Epano Chorio, Pref. of Lassithi/24.10.66, 22.3.67, 585, Chania town, Pref. of

A checklist of Greek reptiles. II. The snakes

Chania/10.8.73, 604, Kritsa, Pref. of Lassithi/-8.66, 1013, Falassarna, Pref. of Chania/18.10.87; GNHM 29, 53, Fournes, Pref. of Chania/13, 8.9.87; BC obs., 4km N of Therisso/9.4.87, Kavoussi/18.10.87, both localities in the Pref. of Chania).

Genus: *Malpolon* FITZINGER, 1826

Malpolon monspessulanus (HERMANN, 1804)

M. m. insignitus (GEOFFROY, 1827)

Mainland

Macedonia: Prefectures of Florina (JI & DB obs., Prespa Lake Reserve/1986), Pieria (BC obs., between Kitros and Alonia/24.5.79), Thessaloniki (KATTINGER 1972), Kilkis (CLARK 1968a), Serres (CLARK 1968a; BC obs., 3km NW of Alistrati/19.5.80).

Thessaly: Prefectures of Trikkala (BRINGSØE, 1985), Magnesia (BOETTGER 1888; BC obs., 1.5km N of Rhizomylos/22.5.79).

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1986b), Preveza (SIZIJJ 1982; REYNOLDS 1984), Ioannina (CLARK 1968a; ZMUP 224, Bourazani/14.2.81), Arta (SIZIJJ 1982).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888; WERNER 1899; CYRÉN 1935, 1941; SIZIJJ 1982; KEYMAR 1986b; BC coll., Katochi/6.6.86), Fthiotida (CLARK 1968a; ZMUP 341, 386, Kallithea, 25.8.66; BC obs., Moni Agathona/1.6.81), Fokida (BC obs., between Tichio and Palaeoxari/14.5.77), Attica (WERNER 1938b; CYRÉN 1941; STEPÁNEK 1944; CLARK 1968a; BRINGSØE 1985; DIMITROPOULOS & GAETHLICH 1986; ZMUP 603, Varkiza/15.5.66; ZMUA 103/1867, 10/1895; GNHM 18, 54, Dionysos/18.6.86, 3.4.84).

Peloponnese: Prefectures of Achaia (CYRÉN 1935; CLARK 1968a; BRINGSØE 1985; HATZIRVASANIS 1987; ZMUP 235, 299, 772, Patra University Campus/31.5.82, 19.10.82, 22.10.82, 248, Roupakia/5.12.82, 737, Kalavryta/16.5.71, 985, Elekistra/10.3.71; BC coll., Platani/6.9.83, Strofilia Wood/19.5.85), Ilia (CLARK 1968a; ZMUP 805, Douneika/-), Messinia (CYRÉN 1935, 1941; STEPÁNEK 1944; CLARK 1968a; IN DEN BOSCH & MUSTERS 1981; MEYER 1985; ZMUP 10, 584, Valyra/14.4.71), Laconia (CYRÉN 1941; CLARK 1968a; SCHLEICH 1982; BRINGSØE 1985; HATZIRVASANIS 1987), Arcadia (CLARK 1968a; BRINGSØE 1985; HATZIRVASANIS 1987; BUTTLE 1987), Argolida (CYRÉN 1941; CLARK 1968a; BUTTLE 1987), Corinthia (CLARK 1968a; LINDFORS 1976; BUTTLE 1987).

Ionian islands

Kerkyra (BOETTGER 1888; WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; CYRÉN 1941; MERTENS 1961, 1968; MAHNERT 1973; KÜCHLER 1979; HANGER 1984; STAFFORD 1984; WÜTSCHERT 1984; KEYMAR 1986b), Lefkada (BC obs., between Agios Petros and Komilio/23.6.86), Kephallónia (WERNER 1912, 1927, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; KOCK 1979; KEYMAR 1986b), Zakynthos (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; KEYMAR 1986b; GNHM 16, Keri/20.8.80; BC obs., 1km

B. P. CHONDROPOULOS

E of Anafonitria/20.5.81), Oxia (KEYMAR 1986b), as well as the islet Vido (near the east coast of Kerkyra)(WÜTSCHERT 1984).

Aegean islands

Argo-saronic islands: Salamina (CLARK 1970; BRINGSØE 1985; GC coll., outskirts of the Navy Yard/16.5.85), Poros (CLARK 1967a, 1968a, 1970), Hydra (CLARK 1967a, 1968a, 1970), as well as the islet Psili, in the Argolic Gulf (CLARK 1972).

North Sporades: Skiathos (BUCHHOLZ & SCHULTZE-WESTRUM 1964), Skopelos (WERNER 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; MERTENS & WERMUTH 1960; BUCHHOLZ & SCHULTZE-WESTRUM 1964).

Dodecanese: Kos (CLARK 1968a), Kastellorizo (VALAKOS & PAPAPANAGIOTOU 1985).

Euboea (BOETTGER 1891; BURESCH & ZONKOW 1934; WERNER 1938a, CYRÉN 1941; WETTSTEIN 1953; CLARK 1968a; ZMUP 81, Aliveri/5.5.67; GNHM 17, Psachna/13.9.83; SV obs., Stira/15.10.87), Thassos (CYRÉN 1933; BURESCH & ZONKOW 1934; ARNOLD & al. 1978), Samothraki (BURESCH & ZONKOW 1934; ARNOLD & al. 1978), Chios (BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; DIMITROPOULOS 1987).

Genus: *Natrix* LAURENTI, 1768

Natrix natrix (LINNAEUS, 1758)

Natrix n. persa (PALLAS, 1814)

Mainland

Thrace: Prefectures of Xanthi (BURESCH & ZONKOW 1934), Evros (BURESCH & ZONKOW 1934; ZMUP 575, Giaour Ada islet/11.5.72).

Macedonia: Prefectures of Florina (ZMUP 226, 325, 4km SE of Psarades/2.7.68; GNHM 34, Biol. Station near Microlimni/10.9.81; BC obs., Psarades and Microlimni/20.8.84; JI & DB obs., Prespa Lake Reserve/1986), Kozani (CLARK 1968a), Imathia (IN DEN BOSCH & MUSTERS 1981; ZMUP 368, Alexandria/20.4.71), Pieria (SCHMIDT 1982; BC obs., Korinos/24.5.79), Thessaloniki (KATTINGER 1972; ZMUP 702, Anatolia College/6.10.63), Chalkidiki (BRINGSØE 1985; BC obs., 5km S of Polygyros/19.8.84), Serres (BC obs., 1km S of Sidirokastro/17.5.80), Drama (CYRÉN 1941), Kavala (CLARK 1968a).

Thessaly: Prefectures of Karditsa (ZMUP 7, 989, Karditsa town/15.7.72, 8.7.72, 586, 587, Sofades/3.9.66, 20.7.66), Larissa (SCHMIDT 1982), Magnessia (SCHMIDT 1982).

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1986b), Preveza (CLARK 1968a; SZIJJ 1982; REYNOLDS 1984), Ioannina (CYRÉN 1935, 1941; CLARK 1968a; ZMUP 1, Louros River springs/15.5.71; ZMUA 88, Ioannina Lake/10.6.38), Arta (CLARK 1968a; SZIJJ 1982).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888; WERNER 1899; CYRÉN 1935, 1941; SZIJJ 1983; KEYMAR 1986b; BC obs., Katochi/6.6.86), Fokida (ZMUP 295, Lidoriki/19.5.66; BC

A checklist of Greek reptiles. II. The snakes

obs., Sergoula/20.8.87), Boeotia (CLARK 1968a; ZMUA 99, Mt. Parnassos/1872), Attica (BOETTGER 1888; WERNER 1912; CYRÉN 1941; DIMITROPOULOS & GAETHLICH 1986; GNHM 35, Athens airport area/13.8.84).

Peloponnese: Prefectures of Achaia (BRINGSOE 1985; ZMUP 581, 990, Patra University Campus/7.4.71, 2.6.80, 1008, Strofilia Wood/28.5.87; BC obs., Kertezi/12.5.86, Souli/2.9.86), Ilia (BRINGSØE 1985; BC obs., Krestena/2.6.82), Messinia (WERNER 1912; CYRÉN 1935, 1941; STEPÁNEK 1944; CLARK 1968a; KEYMAR 1986a), Laconia (CLARK 1968a; BRINGSØE 1985; BUTTLE 1987; BC obs., Peristeri/9.8.85), Arcadia (WETTSTEIN 1953; CLARK 1968a; IN DEN BOSCH & MUSTERS 1981; HATZIRVASANIS 1987; BUTTLE 1987; ZMUP 279, Astros/17.4.66), Argolida (STEPÁNEK 1944; CLARK 1968a; BUTTLE 1987), Corinthia (CLARK 1968a; LINDFORS 1976; EWALD 1980; ZMUP 547, Xylokastro/5.3.67, 1005, Archaea Corinthos/18.4.87).

Ionian islands

Kerkyra (BOETTGER 1888; WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961, 1968; MUDD 1982; WÜTSCHERT 1984; STAFFORD 1984; HANGER 1984; KEYMAR 1986b), Lefkada (ONDRIAS 1968), Kephallonia (HECHT 1930; ONDRIAS 1968), Zakynthos (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961; KEYMAR 1986b).

Aegean islands

Dodecanese: Leros (CLARK 1968a), Kos (WERNER 1930; BURESCH & ZONKOW 1934; PIEPER 1970), Rhodos (WERNER 1930; BURESCH & ZONKOW 1934; WETTSTEIN 1953, 1965; PIEPER 1970; TORTONESE 1973), Karpathos (PIEPER 1970).

Euboea (BOETTGER 1888, 1891; HECHT 1930; CYRÉN 1935; WERNER 1938a, 1938b; WETTSTEIN 1953, CLARK 1968a; WESTRIN 1976b; GRUBER 1979), Petalii archipelago (near the SW end of Euboea)(ZMUA 105/1870), Thassos (KATTINGER 1972; GRUBER 1979), Samothraki (WERNER 1935, 1938a; WETTSTEIN 1953), Limnos (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; SCHNEIDER 1986), Lesvos (WERNER 1935, 1938a; WETTSTEIN 1953; BROGGI 1978; ZMUP 572, Palaeokipos/29.10.64), Chios (BOETTGER 1888; WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; WETTSTEIN 1953; DIMITROPOULOS 1987; ZMUP 11, Volissos/19.5.67), Samos (WERNER 1938a; CLARK 1968a).

* *N. n. schweizeri* MÜLLER, 1932

Aegean islands

Cyclades: Milos (WERNER 1930, 1935, 1938a; MÜLLER 1933; BURESCH & ZONKOW 1934; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1957; MERTENS & WERMUTH 1960; PIEPER 1970; GRUBER 1979; STUBBS 1985; VAN MOOK 1986), Kimolos (SCHWEIZER 1935; MERTENS & WERMUTH 1960; PIEPER 1970), Polyaegos (STUBBS 1985).

B. P. CHONDROPOULOS

N. n. persa x *N. n. schweizeri*

Aegean islands

Cyclades: Andros (BIRD 1935; WERNER 1938a; BEUTLER & FRÖR 1980), Syros (BOETTGER 1888; HECHT 1930; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BEUTLER & FRÖR 1980), Tinos (BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BEUTLER & FRÖR 1980), Mykonos (WERNER 1930; BURESCH & ZONKOW 1934; CLARK 1968a; FRÖR & BEUTLER 1978; BEUTLER & FRÖR 1980), Paros (BUCHHOLZ 1955; CLARK 1968a; LOTZE 1973; GRUBER & FUCHS 1977), Antiparos (GRUBER & FUCHS 1977), Despotico (GRUBER & FUCHS 1977), Naxos (WERNER 1899, 1930, 1938a; BURESCH & ZONKOW 1934; LOTZE 1973).

North Sporades: Skyros (WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BUCHHOLZ & SCHULTZE-WESTRUM 1964).

Natrix tessellata (LAURENTI, 1768)

N. t. tessellata (LAURENTI, 1768)

Mainland

Thrace: Prefecture of Evros (BURESCH & ZONKOW 1934; ZMUP 426, 673, Giaour Ada islet/11.5.72).

Macedonia: Prefectures of Florina (KÜHNELT 1981; BC obs., Microlimni/20.8.84; JI & DB obs., Prespa Lake Reserve/1986), Kastoria (CYRÉN 1941), Grevena (BC obs., 2km N of Eleftherochori/2.9.78), Imathia (BURESCH & ZONKOW 1934; IN DEN BOSCH & MUSTERS 1981), Pieria (CLARK 1968a; BC obs., Alyki Kitrous/26.5.79), Kilkis (CLARK 1968a), Serres (BC obs., Strymonochori/17.5.80).

Thessaly: Prefectures of Karditsa (ZMUP 636, outskirts of the Karditsa town/10.7.72), Magnesia (SCHMIDT 1982).

Epirus: Thesprotia (KEYMAR 1986b), Preveza (CLARK 1968a; SZIJJ 1982; BC obs., Petra/7.8.86), Ioannina (CYRÉN 1935, 1941; SOCHUREK 1956; CLARK 1968a; MALAKOU & al. 1986), Arta (CLARK 1968a; SZIJJ 1982; BC obs., Kommeno/9.8.86).

Sterea: Actoloacarnania (BOETTGER 1888; BURESCH & ZONKOW 1934; WERNER 1938b; CYRÉN 1941; SZIJJ 1983; KEYMAR 1986b; GNHM 58, Kleissova islet, near Messolongi/4.3.84), Evrytania (BOETTGER 1888), Fthiotida (CYRÉN 1935, 1941), Fokida (BURESCH & ZONKOW 1934), Boeotia (CLARK 1968a), Attica (BOETTGER 1888; WERNER 1938b; CYRÉN 1941; DIMITROPOULOS & GAETHLICH 1986).

Peloponnese: Prefectures of Achaia (BURESCH & ZONKOW 1934; KEYMAR 1986a; BC obs., Strofilia Wood/5.6.83, 19.5.85, 5.9.85), Ilia (WETTSTEIN 1953; KEYMAR 1986a), Messinia (BRINGSØE 1985), Laconia (BRINGSØE 1985; KEYMAR 1986a; BUTTLE 1987; BC obs., Elos/

A checklist of Greek reptiles. II. The snakes

10.8.85), Corinthia (WETTSTEIN 1953; CLARK 1968a; LINDFORS 1976; BRINGSØE 1985; KEYMAR 1986a).

Ionian islands

Kerkyra (MERTENS 1961, 1968; KÜCHLER 1979; STAFFORD 1984; WÜTSCHERT 1984; KEYMAR 1986b), Lefkada (BEDRIAGA 1882; BOETTGER 1888; WERNER 1912, 1929, 1930, 1938a; MERTENS 1961; KEYMAR 1986b).

Aegean islands

Cyclades: Tinos (BOETTGER 1888; WERNER 1930, 1938a; BIRD 1935), Serifos (WERNER 1935, 1938a; BUCHHOLZ 1955; CLARK 1968a; WESTRIN 1976a; GRUBER 1979).

Dodecanese: Rhodos (BOETTGER 1888; WERNER 1930; CLARK 1968a; GRUBER 1979).

Euboea (WERNER 1938a; GRUBER 1979), Kythera (ARNOLD & al. 1978), Lesvos (SV obs., Larissos/13.4.86), Samos (SV obs., near Pythagorio/6.8.84), Crete (BOETTGER 1888; WERNER 1912, 1930, 1938a; WETTSTEIN 1931, 1953; BURESCH & ZONKOW 1934; CLARK 1968a; PIEPER 1970; ARNOLD & al. 1978; GRUBER 1979; FUCHS 1979; STRIJBOSCH 1984; SOWIG 1985; ZMUP 169, Skalani, Pref of Iraklio/3.6.66, 425, Myrtos, Pref. of Lassithi/18.6.66, 980, Platanias, Pref. of Chania/12.4.87; BC obs., Almiros Marsh, Pref. of Lassithi/5.4.87, Kournas Lake, Pref. of Chania/11.4.87, Ayia, Pref. of Chania/12.4.87, Geropotamos River estuary, Pref. of Iraklio/6.6.87).

Genus: *Telescopus* WAGLER, 1830

Telescopus fallax (FLEISCHMANN, 1831)

T. f. fallax (FLEISCHMANN, 1831)

Mainland

Thrace: Prefecture of Xanthi (BC obs., between Kimmeria and Selero/26.5.80).

Macedonia: Prefectures of Imathia (BRINGSØE 1985), Pieria (BC obs., Aeginio/25.5.79), Chalkidiki (BC obs., 2km NW of Nea Skioni/26.7.84, Neos Marmaras/4.8.84).

Thessaly: Prefectures of Larissa (BC coll., Vryotopos/24.5.79), Magnesia (BOETTGER 1888; BC obs., Rhizomylos/22.5.79).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888; SZIJJ 1983; KEYMAR 1986b), Fokida (WETTSTEIN 1953), Attica (BOETTGER 1888; WERNER 1938b; ZMUP 263, Polygono, Athens/28.8.67).

Peloponnese: Prefectures of Achaia (CYRÉN 1935, 1941; ZMUP 640, 1001, Patra University Campus/14.8.72, 29.7.70; BC obs., between Lappas and Metochi/5.6.85; GC obs., 2km N of Araxos/27.3.87), Ilia (BC obs., near Manolada/19.5.85, Neochori/25.5.87), Messinia (WERNER 1912; WETTSTEIN 1953; IN DEN BOSCH & MUSTERS 1981; MEYER 1985), Laconia (WERNER

B. P. CHONDROPOULOS

1912, 1938b; WETTSTEIN 1953; CLARK 1968a; IN DEN BOSCH & MUSTERS 1981), Arcadia (CLARK 1968a; BC obs., between Karkalou and Dimitsana/26.4.86), Argolida (CLARK 1968a; BC obs., Astros/12.6.87), Corinthia (CLARK 1968a; LJNDFORS 1976).

Ionian islands

Kephallonia (KOCK 1979; GITTIENBERGER & HOOGMOED 1985; KEYMAR 1986b), Zakynthos (GC obs., outskirts of Vassiliko/2.8.80), as well as the Strophades islet group, W of Pelopon-nese (WERNER 1899, 1912, 1930, 1938a; KOCK 1979; KEYMAR 1986b).

Aegean islands

Argo-saronic islands: Spetses (CLARK 1968a, 1970; KOCK 1979).

Cyclades: Andros (BIRD 1935; WERNER 1938a; KOCK 1979; BEUTLER & FRÖR 1980), Syros (CLARK 1968a; KOCK 1979; BEUTLER & FRÖR 1980), Tinos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BIRD 1935; KOCK 1979; BEUTLER & FRÖR 1980), Mykonos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; FRÖR & BEUTLER 1978; KOCK 1979; BEUTLER & FRÖR 1980), Delos (DAAN 1967; BEUTLER & FRÖR 1980; GNHM 37, near the antiquities/20.8.83), Kea (BOETT-GER 1888; WERNER 1930, 1935, 1938a; BIRD 1935; KOCK 1979; GRILLITSCH & TIEDE-MANN 1984), Sifnos (BUCHHOLZ 1955; KOCK 1979), Kimolos (WERNER 1935, 1938a; SCHWEIZER 1935; CLARK 1968a; KOCK 1979; STUBBS 1985), Milos (BOETTGER 1888; WERNER 1899, 1912, 1930, 1935, 1938a; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1953, 1957; CLARK 1968a; GRUBER 1974; LIEFTINCK 1974; KOCK 1979; STUBBS 1985; VAN MOOK 1986), Polyaegos (STUBBS 1985), Paros (WERNER 1935, 1938a; WETTSTEIN 1953; GRUBER & FUCHS 1977; KOCK 1979), Antiparos (GRUBER 1974; GRUBER & FUCHS 1977; KOCK 1979), Amorgos (WERNER 1938a; KOCK 1979), as well as the islet Tourlos (between Paros and Antiparos) (GRUBER 1974; GRUBER & FUCHS 1977).

North Sporades: Skyros (WERNER 1930, 1938a; WETTSTEIN 1953; BUCHHOLZ & SCHULT-ZE-WESTRUM 1964; GRUBER 1974, 1979; KOCK 1979).

Dodecanese: Kalymnos (SCHNEIDER 1983).

Euboea (BOETTGER 1891; WERNER 1938a; CLARK 1968a; GRUBER 1974, 1979; KOCK 1979; BRINGSØE 1985), Kythera (WERNER 1912, 1930, 1938a; WETTSTEIN 1953; PIEPER 1970; KOCK 1979), Samos (DAAN 1967; WETTSTEIN 1968).

* *T. f. intermedius* GRUBER, 1974

Aegean islands

Antikythera (GRUBER 1974, 1979; KOCK 1979).

A checklist of Greek reptiles. II. The snakes

* *T. f. multisquamatus* WETTSTEIN, 1952

Aegean islands

Koufonissi (S of E. Crete) (WETTSTEIN 1952, 1953; MERTENS & WERMUTH 1960; GRUBER 1979; KOCK 1979).

* *T. f. pallidus* STEPÁNEK, 1944

Aegean islands

Cyclades: Thera (WERNER 1938a; WETTSTEIN 1953; FRÖR & BEUTLER 1978; GRUBER 1974, 1979; KOCK 1979), as well as the islet Christiani (SW of Thera) (BUCHHOLZ 1955; MERTENS & WERMUTH 1960; GRUBER 1974, 1979; KOCK 1979).

Dodecanese: Kassos (BOETTGER 1888; WERNER 1930, 1935; PIEPER 1970; KOCK 1979). PIEPER (1970) mentions that *T. fallax* possibly exists on the Karpathos island too; he also suggests that Kassos and Karpathos populations must be considered as a separate subspecies.

Crete (BOETTGER 1888; WERNER 1912, 1930, 1938a; WETTSTEIN 1931, 1953, 1968; CYRÉN 1941; MERTENS & WERMUTH 1960; PIEPER 1970; GRUBER 1979; KOCK 1979; STRIJ-BOSCH 1984; SOWIG 1985; ZMUP 8, Melesses, Pref. of Iraklio/5.7.67, 573, Messeleri, Pref. of Lassithi/15.7.66, 988, Peza, Pref. of Iraklio/30.7.73; SV obs., Varnos, Pref. of Chania/28.3.85), Gavdos (S of W. Crete) (STEPÁNEK 1940, 1944; WETTSTEIN 1953; MERTENS & WERMUTH 1960; PIEPER 1970; KOCK 1979; SV obs., near Vatsiana/10.5.87), as well as the islet Elassa (near the NE end of Crete) (BOETTGER 1888; WETTSTEIN 1953; MERTENS & WERMUTH 1960; KOCK 1979).

* *T. f. rhoducus* WETTSTEIN, 1952

Aegean islands

Dodecanese: Rhodos (BOETTGER 1888; WERNER 1930; WETTSTEIN 1952, 1953, 1965; BARAN 1976; GRUBER 1979).

Family: VIPERIDAE GRAY, 1825

Genus: *Vipera* LAURENTI, 1768

Vipera ammodytes (LINNAEUS, 1758)

V. a. meridionalis BOULENGER, 1903

Mainland

Thrace: Prefectures of Xanthi (WERNER 1938b; BC obs., near Echinos/23.5.80), Rhodopi (WERNER 1938b).

B. P. CHONDROPOULOS

Macedonia: Prefectures of Florina (SMUP 393, Mikri Prespa Lake/17.5.67), Grevena (BC obs., between Elatos and Kalirachi/3.9.78; JI & DB obs., Prespa Lake Reserve/1986), Pieria (CLARK 1968a; BC obs., near Alonia/24.5.79), Thessaloniki (KATTINGER 1972), Serres (BC obs., near Charopo/15.8.80), Kavala (WERNER 1938b).

Thessaly: Prefectures of Trikala (ZMUP 991, Neraidochori/1.7.67), Larissa (BURESCH & ZONKOW 1934; CYRÉN 1941).

Epirus: Prefectures of Thesprotia (REYNOLDS 1984; KEYMAR 1986b), Preveza (REYNOLDS 1984; BC obs., Zalongo/13.8.87), Ioannina (MALAKOU & al., 1986; BC obs., near Monodendri/20.5.79), Arta (SIZIJJ 1982).

Sterea: Prefectures of Aetoloacarnania (BOETTGER 1888, WERNER 1899; BURESCH & ZONKOW 1934; CLARK 1968a; SIZIJJ 1983; KEYMAR 1986b; BC obs., between Ano Vassiliki and Kato Vassiliki/29.4.77; GC obs., Agrilia/25.8.84), Evrytania (BOETTGER 1888; ZMUP 1012, near the ski center on Mt. Timfristos, alt. 1475m/10.10.87), Fthiotida (ZMUP 1007, Lichno/24.5.87), Fokida (BOETTGER 1888; BRINGSØE 1985), Boeotia (CLARK 1968a; ZMUP 5,354, Eleonas/10.6.67, 5.6.67; ZMUA 34, Mt. Parnassos/1879), Attica (BOETTGER 1888; WERNER 1912, 1930; CLARK 1968a; WESTRIN 1976b; DIMITROPOULOS & GAETHLICH 1986; GNHM 43, Kato Souli/6.4.82).

Peloponnese: Prefectures of Achaea (HATZIRVASANIS 1987; ZMUP 247, Strofilia Wood/26.5.81; BC obs., Fteri/1.5.83), Ilia (BC obs., near Lalas/25.4.86), Messinia (WERNER 1912; BURESCH & ZONKOW 1934; MEYER 1985; BRINGSØE 1985; HATZIRVASANIS 1987), Lakonia (BURESCH & ZONKOW 1934; CLARK 1968a; BRINGSØE 1985; HATZIRVASANIS 1987), Arcadia (CYRÉN 1941; CLARK 1968a; BRINGSØE 1985; HATZIRVASANIS 1987; ZMUP 804, Megalopoli/4.5.67), Argolida (CLARK 1968a), Corinthia (CLARK 1968a; LINDFORS 1976; EWALD 1980; BRINGSØE 1985).

Ionian islands

Kerkyra (WERNER 1927, 1929, 1930, 1938a; MERTENS 1961, 1968; MUDDE 1982; HANGER 1984; KEYMAR 1984, 1986b; STAFFORD 1984; WÜTSCHERT 1984; ZMUA 39, -/1860; HOPKINS pers. comm.), Lefkada (WERNER 1927, 1938a; MERTENS 1961; KEYMAR 1986b), Kephallonia (WERNER 1912, 1927, 1929, 1938a; BURESCH & ZONKOW 1934; MERTENS 1961; KOCH 1979; GITTEMBERGER & HOOGMOED 1985; KEYMAR 1986b), Ithaki (WERNER 1912, 1929, 1930, 1938a; BURESCH & ZONKOW 1934; CYRÉN 1935, 1941; MERTENS 1961; MAHNERT 1973; KEYMAR 1986b).

Aegean islands

Cyclades: Andros (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BEUTLER & FRÖR 1980; SV obs., Batsi/22.5.82), Syros (BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a, 1968b; BEUTLER & FRÖR 1980), Tinos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935;

A checklist of Greek reptiles. II. The snakes

WETTSTEIN 1953; CLARK 1968a; BEUTLER & FRÖR 1980; BOHLMANN & al. 1981), Mykonos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; FRÖR & BEUTLER 1978; BEUTLER & FRÖR 1980), Delos (BEDRIAGA 1882; BOETTGER 1888; WERNER 1912, 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; WESTRIN 1976a; BEUTLER & FRÖR 1980; GNHM 42, Mt. Kynthos/19.8.83), Paros (CLARK 1968a, 1968b; GRUBER & FUCHS 1977), Antiparos (BUCHHOLZ 1955; GRUBER & FUCHS 1977), Strongylo (GRUBER & FUCHS 1977), Naxos (BOETTGER 1888; WERNER 1899, 1930, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; CLARK 1968a; GC obs., 4km S of the Naxos town/7.7.81; SV obs., Moutsouna/11.5.85), Heraklia (WETTSTEIN 1953; LOTZE 1973), Epano Koufonissi (LOTZE 1973), Ios (WERNER 1930, 1935, 1938a; BURESCH & ZONKOW 1934; BIRD 1935; WETTSTEIN 1953; BUCHHOLZ 1955; CLARK 1968a, 1968b; LOTZE 1973), Sikinos (WERNER 1935, 1938a, 1941; WETTSTEIN 1953; BUCHHOLZ 1955).

North Sporades: Skiathos (BUCHHOLZ & SCHULTZE-WESTRUM 1964), as well as the islets Adelfi and Adelfopoula (SE of Alonnisos) (BUCHHOLZ & SCHULTZE-WESTRUM 1964).

Euboea (BOETTGER 1891; BURESCH & ZONKOW 1934; WERNER 1938a; CLARK 1968a; WESTRIN 1976b; ZMUP 580, Monodri/4.7.66; SV obs., Stira/17.10.87), Petalii archipelago (near the SW end of Euboea) (BOETTGER 1888), Thassos (CYRÉN 1933, 1941; BURESCH & ZONKOW 1934; KATTINGER 1972; GRUBER 1979), Samothraki (WERNER 1938b; GRUBER 1979).

Vipera berus (LINNAEUS, 1758)

* *V. b. bosniensis* BOETTGER, 1889

Thrace: Prefecture of Evros (area of Didymoticho) (DIMITROPOULOS, pers. comm.).

Macedonia: Prefectures of Thessaloniki (area of Thessaloniki and Rentina) (DIMITROPOULOS, pers. comm.), Drama (DIMITROPOULOS 1985).

KEYMAR (1986b) mentions the occurrence of *V. b. bosniensis* in NW Epirus (Pref. of Thesprotia), but he considers this record not fully documented. Furthermore, this taxon possibly exists in other localities along the Greek border zone, as well as in some isolated areas of the northern country (CHONDROPOULOS & DIMITROPOULOS in prep.).

Vipera lebetina (LINNAEUS, 1758)

* *V. l. schweizeri* WERNER, 1935

Aegean islands

Cyclades: Milos (WERNER 1899, 1930, 1935, 1938a; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1953, 1957; MERTENS & WERMUTH 1960; ZINGG 1968; CLARK 1968a; LIEFTINCK 1974; WESTRIN 1976a; GRUBER 1979; ZWINENBERG 1979; STUBBS 1985; VAN MOOK

1986; GNHM 4,-/9.8.83), Kimolos (WERNER 1935, 1938a; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1953; MERTENS & WERMUTH 1960; ZINGG 1968; CLARK 1968a; ZWINENBERG 1979; STUBBS 1985; VAN MOOK 1986), Polyaegos (WERNER 1935, 1938a; BIRD 1935; SCHWEIZER 1935; WETTSTEIN 1953; BUCHHOLZ 1955; MERTENS & WERMUTH 1960; ZINGG 1968; CLARK 1968a; ZWINENBERG 1979; STUBBS 1985), Siphnos (WERNER 1935, 1938a; WETTSTEIN 1953; BUCHHOLZ 1955; MERTENS & WERMUTH 1960; ZINGG 1968; CLARK 1968a; GRUBER 1979; GRILLITSCH & TIEDEMANN 1984).

The possible existence of this snake on Kythnos island (WERNER 1935; MERTENS & WERMUTH 1960; ARNOLD & al. 1978, etc.) has not been confirmed so far.

Vipera ursinii (BONAPARTE, 1835)

Up to now this species has been found in subalpine meadows of three mountains of the north-central Greece, i. e. on Lakmos or Peristeri (DIMITROPOULOS 1985; NILSON & ANDRÉN 1988) on Athamanika or Tzoumerka (DIMITROPOULOS 1985) (both in the borders between Epirus and Thessaly) and on Kerketio or Koziakas (western Thessaly) (DIMITROPOULOS 1985; GNHM 38, near the Game Reserve on Mt. Kerketio/12.5.82). All three mountains are included to the Pindos mountain chain which runs down the Greek mainland. Some observation records have also been made on the mountains Akamanika and Oeti (in northwestern and central Sterea, respectively), but they need further verification (DIMITROPOULOS, pers. comm.).

According to Dimitropoulos (1985) *V. ursinii* perhaps occurs on Rhodopi mountain chain (along the Greek-Bulgarian borders) and possibly is more distributed on Pindos mountain chain.

The subspecific status of the Greek populations of this snake is rather uncertain. Although NILSON & ANDRÉN (1988) have proposed the classification of the Greek *V. ursinii* into a new subspecies, *V. u. graeca*, there are data indicating that this is not the definitive solution of the classification problem of this snake in the Greek area (CHONDROPOULOS & DIMITROPOULOS, in prep.).

Vipera xanthina (GRAY, 1849)

Mainland

Thrace: Prefecture of Evros (GÄRDENFORS 1980; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986).

Aegean islands

Dodecanese: Patmos (CLARK 1968a; PIEPER 1970; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986), Lipsi (NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986), Leros (CLARK 1968a; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986), Kalymnos (SCHNEIDER 1983; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986), Kos (NILSON & ANDRÉN 1986; AD obs., outskirts of the Kos town/4.8.87), Symi (CLARK 1972; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986), Chalki (BOETTGER 1888; TIEDEMANN & GRILLITSCH 1986).

A checklist of Greek reptiles. II. The snakes

Lesvos (NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986), Chios (ONDRIAS 1969; NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986; ZMUP 827, Volissos/-), Oenousses (AD obs., between the Oenousses village and Kastro/ 22.9.87), Samos (NILSON & ANDRÉN 1986; TIEDEMANN & GRILLITSCH 1986; VAN WINGERDE 1986).

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B. P. CHONDROPOULOS

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ADDENDUM

Since submitting the manuscript of this work there were made further observation records. During the same period some new articles have been published giving additional data on the distribution of the snake taxa in Greece.

A checklist of Greek reptiles. II. The snakes

All of this new information is summarized below together with a few older personal and bibliographic data which were overlooked in writing the manuscript.

Typhlops vermicularis MERREM, 1820

Mainland

Peloponnese: Prefectures of Corinthia (BUTTLE 1988), Argolida (BUTTLE 1988) and Arcadia (BUTTLE 1988).

Eryx jaculus turcicus (OLIVIER, 1801)

Aegean islands

Argo-saronic islands: Spetses (CLARK 1989).

Coluber caspius GMELIN, 1789

Mainland

Thrace: Prefecture of Evros (BC obs., Evros River delta / 16.4.89).

Macedonia: Prefecture of Thessaloniki (BC obs., 2 km N of Langadikia / 10.6.88; BC obs., 0.5 km NW of Rentina / 17.4.89; BC obs., between Micri Volvi and Megali Volvi / 17.4.89; BC obs., 1.5 km S of Scholario / 17.4.89).

Thessaly: Prefecture of Larissa (BC obs., outskirts of Larissa town / 7.11.88).

Sterea: Prefecture of Fokida (BC obs., near Mariolata / 2.7.89).

Aegean islands

Lesvos (HAGEDOORN 1988 b).

Coluber g. gemonensis (LAURENTI, 1768)

Mainland

Epirus: Prefecture of Ioannina (CRUCITTI & TRINGALI 1987).

Peloponnese: Prefectures of Laconia (CLARK 1989) and Arcadia (BUTTLE 1988).

Aegean islands

Argo-saronic islands: Dhokos (CLARK 1989), as well as the islets Stavronissos and Trikkeri (CLARK 1989).

B. P. CHONDROPOULOS

Coluber najadum dahlii SCHINZ, 1833

Mainland

Peloponnese: Prefectures of Achaia (BC obs., Romanos / 20.5.89), Ilia (BUTTLE 1988), Messinia (BUTTLE 1988), Arcadia (BUTTLE 1988), Argolida (BUTTLE 1988).

Coronella a. austriaca LAURENTI, 1768

Mainland

Epirus: Prefecture of Ioannia (CRUCITTI & TRINGALI 1987).

Elaphe q. quatuorlineata (LACÉPÉDE, 1789)

Mainland

Peloponnese: Prefectures of Ilia (BUTTLE 1988), Arcadia (BUTTLE 1988), Argolida (BUTTLE 1988; CLARK 1989).

Aegean islands

Argo-saronic islands: Islet Spetsopoula, near Spetses (CLARK 1989).

Elaphe situla (LINNAEUS, 1758)

Mainland

Peloponnese: Prefectures of Argolida (CLARK 1989) and Corinthia (BUTTLE 1988).

Aegean islands

Argo-saronic islands: Salamina (CLARK 1989), Aegina (CLARK 1989), Poros (CLARK 1989), Spetses (CLARK 1989).

Malpolon monspessulanus insignitus (GEOFFROY, 1827)

Mainland

Macedonia: Prefecture of Thessaloniki (BC obs., Panorama / 10, 11.6.88).

Epirus: Prefecture of Preveza (HAGEDOORN 1988 a).

Sterea: Prefecture of Fthiotida (BC obs., 4 km NE of Kato Bralos / 15.7.88).

Peloponnese: Prefectures of Achaia (BC coll., Patra University Campus / 23.5.88), Messinia (BUTTLE 1988), Laconia (BUTTLE 1988), Arcadia (BUTTLE 1988), Argolida (BUTTLE 1988), Corinthia (BUTTLE 1988).

A checklist of Greek reptiles. II. The snakes

Aegean islands

North Sporades: Alonnisos (CRUCITTI & TRINGALI 1987).

Natrix natrix persa (PALLAS, 1814)

Mainland

Thessaly: Prefecture of Trikkala (HAGEDOORN 1988 a).

Epirus: Prefectures of Preveza (HAGEDOORN 1988 a) and Ioannina (CRUCITTI & TRINGALI 1987).

Peloponnese: Prefectures of Achaia (BC obs., Kalogria Wood / 9.4.89), Messinia (BUTTLE 1988), Laconia (BUTTLE 1988), Argolida (CLARK 1989).

Natrix t. tessellata (LAURENTI, 1768)

Mainland

Macedonia: Prefecture of Thessaloniki (BC obs., outskirts of Nymfopetra / 17.9.89).

Epirus: Prefecture of Ioannina (CRUCITTI & TRINGALI 1987; HAGEDOORN 1988 a).

Peloponnese: Prefectures of Arcadia (BUTTLE 1988) and Corinthia (BC obs., Stymfalia Lake / 14.5.88).

Aegean islands

Lesvos (HAGEDOORN 1988 b).

Telescopus f. fallax (FLEISCHMANN, 1831)

Ionian islands

Strophades islet group, W of Peloponnese (WARNECKE 1988).

Vipera ammodytes meridionalis BOULENGER, 1903

Mainland

Peloponnese: Prefectures of Ilia (BUTTLE 1988), Messinia (BUTTLE 1988), Argolida (BUTTLE 1988).

Vipera berus bosniensis BOETTGER 1889

Mainland

Macedonia: On the mountains Rhodopi, Voras and Varnoundas, near the Greek-Bulgarian and

B. P. CHONDROPOULOS

Greek-Yugoslavian frontiers, as well as on Tsouka-Karali (North Pindos mountain range) (IOANNIDIS & BOUSBOURAS 1989).

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