

<i>Travaux du Muséum National d'Histoire Naturelle «Grigore Antipa»</i>	Vol. L	pp. 221–230	© Octobre 2007
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**THE CATALOGUE OF THE PALAEARCTIC SPECIES
OF SPONDYLIDINAE (COLEOPTERA: CERAMBYCIDAE) FROM
THE PATRIMONY OF „GRIGORE ANTIPA” NATIONAL
MUSEUM OF NATURAL HISTORY (BUCHAREST) (Part III)**

To Dr. Nicolae Săvulescu's memory

RODICA SERAFIM

Abstract. The catalogue consists of data on ten Palaeartic Cerambycidae coleopteran species of the subfamily Spondylidinae preserved in the collections of „Grigore Antipa” National Museum of Natural History of Bucharest.

Résumé. Le catalogue présente des données sur 10 espèces de coléoptères paléarctiques de la famille Cerambycidae, sousfamille Spondylidinae, préservés dans les collections du Muséum National d'Histoire Naturelle „Grigore Antipa” de Bucarest.

Key words: Coleoptera, Cerambycidae, catalogue, collections, “Grigore Antipa” National Museum of Natural History, Bucharest.

INTRODUCTION

In the first part of the Catalogue of the Cerambycidae species preserved in “Grigore Antipa” National Museum of Natural History (Bucharest), data concerning 25 species of the subfamilies Prioninae (tribes Prionini and Aegosomatini) and Lepturinae (tribes Oxymirini, Xylosteini, Rhamnusiini and Rhagiini) were published (Serafim, 2005).

In the second part, 53 Palaeartic species of the subfamily Lepturinae, tribe Lepturini, are presented (Serafim, 2006).

In the third part, ten Palaeartic species of the subfamily Spondylidinae are presented.

The collection consists of:

- material from the old coleopteran collection from the Palaeartic area (which gather specimens from Richard Canisius, Deszö Kenderessy, Eduard Fleck, Fridrich Deubel, Arnold Lucien Montandon collections, acquired between 1883 – 1923) (7.77%);
- lots of material from Dr. Nicolae Săvulescu's collection acquired between 1961 – 1982 and material from the same collection, which were included in the Museum patrimony in 1992, after Dr. Nicolae Săvulescu's death (both of them 54.40%);
- specimens obtained by echange with foreign specialists and collectors (7.77%);
- material collected in the field by the specialists of the “Grigore Antipa” Museum and by their collaborators, during 1960 – 2005 (30.06%).

English translation by Mihaela Barcan Achim.

A large part of the information given by the specimens from the collections was evaluated by scientific papers.

The first data on the material of the old collections, which now belong to the Museum patrimony, were published by Fleck (1905).

Panin and Săvulescu (1961) evaluated the material collected till 1960, in the fascicle of Romanian fauna.

A part of the data were published by Negru & Roșca (1967), Serafim (1985, 1997, 2004, 2007), Serafim & Maican (2004).

The catalogue presents ten Palaearctic Cerambycidae species of the subfamily Spondylidinae (tribes Anisarthronini, Asemini, Saphanini, Spondylidini) represented by 222 specimens. Most part of the material originates in Romania. In collection, also there is material from Czech Republic (*Notorrhina muricata*, *Tetropium gabrieli*, *Spondylis buprestoides*), Austria (*Tetropium fuscum*), Bulgaria (*Tetropium fuscum*), Italy (*Arhopalus syriacus*), Spain (*Arhopalus rusticus*, *Spondylis buprestoides*), France (*Spondylis buprestoides*), Greece (*Asemum striatum*), Algeria (*Arhopalus rusticus*).

Nomenclature and systematical order are according to those used by Sama (2004) in "Fauna Europaea" and Danilevsky (2005) in the Cerambycidae list of former USSR.

Abbreviations

f.h. – forest house; Mt./Mts - Mountain/s; spec. (s) – specimen (s); coll. - collection

Collector's name:

A.A.M. – Andrei Ada Maria; B.F. – Bajet F.; B.J. – Balazuc J.; C.R. – Canisius Richard; D.Fr. – Deubel Fridrich; F.Ed. – Fleck Eduard; G.C. – Gonzalez C.; K.D. – Kenderessy Deszo; M.I. – Matache Ioana; M.B.P. – Matei Bogdan Petre; M.A.L. – Montandon Arnold Lucien; N.I. – Negoescu Ileana; N.St. – Negru Ștefan; N.J. – Niedl J.; P.C. – Părvu Corneliu; P.G.A. – Popescu-Gorj Aurelian; P.S.M. – Procheș Șerban Mihai; R.A. – Roșca Atena; R.D. – Ruști Dorel; S.G. – Sama Gianfranco; S.N. – Săvulescu Nicolae; S.R. – Serafim Rodica; S.I. – Stanciu Ionela; S.A. – Stănescu Aurora; S.M. – Stănescu Mihaela; S.L. – Szekely L.; Ș.M. – Șerban Mircea; T.M. – Taloi Marilena; T.E. – Teleki E.; T.R. – Tiță Rada; T. – Teleki; V.A. – Văraru Adriana.

Abbreviations of the county names

AB – Alba; AG – Argeș; AR – Arad; BN – Bistrița Năsăud; BT – Botoșani; BV – Brașov, CS – Caraș Severin; CT – Constanța; CV – Covasna; DJ – Dolj; GR – Giurgiu; HR – Harghita; HD – Hunedoara; IS – Iași; MH – Mehedinți; MS – Mureș; NT – Neamț; PH – Prahova; SB – Sibiu; SV – Suceava; VL – Vâlcea;

MATERIAL

Superfamily Chrysomeloidea

Family Cerambycidae

Subfamily Spondylidinae

Tribe Anisarthronini

Anisarthron Dejean, 1835

Anisarthron barbipes (Schrank, 1781)

Comana (GR), 2 specs 24.06.1954, S.N., 2 specs 26-29.06.1955, S.N.; 4 specs Tuzla (CT), 12.06.1958, S.N.; 1 spec. Băile Herculane (CS), 2.07.1967, S.N. (Fig. 1 A).

Tribe Asemini

Arhopalus Serville, 1834(syn. *Criocephalus* Mulsant, 1839)*Arhopalus rusticus* (Linnaeus, 1758)(syn. *tristis* Fabricius)

1 spec. Crucea, Bistrița Mts (SV), 08.1879, M.A.L.; 1 spec. Algeria, Alger, without other data, M.A.L.; 1 spec. without data, K.D.; 1 spec. undecipherable data; 1 spec. Căpâlnaș (AR), 1.08.1937, T.E.; 1 spec. Jigodin Băi, Miercurea Ciuc (HR), 11.08.1953, P.G.A.; 1 spec. Botoșani (BT), 25.05.1955, S.N.; 2 specs Pojoga (HD), 11-15.07.1955 S.N.; 2 specs Răstolnița (MS), 17.07.1956, S.N.; 1 spec. Drobeta – Turnu Severin (CS), 27.07.1963, S.N.; 4 specs Craiova, 5.05.1964, N.St.; 8 specs Gârla Mare (MH), 29.06.1964, N.St.; 1 spec. Băile Herculane (CS), 19.07.1966, S.N.; 1 spec. Spain, Taragona, 26.07.1972, G.C.; Spain, Soria, Navaleno, 2 specs 21.08.1975, G.C. and 4 specs 22.08.1976, G.C.; 1 spec. București, 05.1982, T.R.; 1 spec. Cheile Bicazului (NT), 13.08.1982, S.L.; 1 spec. Piatra Craiului Mts, Vlădușca Valey, 23.08.1990, S.R.; 1 spec. Voineasa (VL), 1.08.1996, P.S.M.; 3 specs Hagieni forest, Limanu (CT), 15-21.07.1997, S.M., S.I., V.A.; 1 spec. Dumbrăveni forest, Furnica (CT), 18.07.1997, A.A.M. (Figs 1 B; 2, aedeagus).

Arhopalus syriacus (Reitter, 1895)

4 specs Italy, Romagna, Ravenna, Pineta s. Vitale, 7.07.1975, S.G. (Fig. 1 C).

Asemum Eschscholtz, 1830*Asemum striatum* (Linnaeus, 1758)

2 specs Azuga (PH), without other data, F.Ed.; 1 spec. Moinești (BC), without other data, C.R.; 1 spec. Karpathes, Moldavie, without other data, M.A.L.; 1 spec. Greece, Paros Island, without other data, K.D.; 2 specs without data, K.D.; 1 spec. Germany, Prusia, without other data, K.D.; Bârnova (IS), 2 specs 05.1950 S.N., 1 spec. 2.06.1953, S.N., 5 specs 4.06.1954, S.N., 5 specs 19.05.1956, S.N.; Băile Herculane (CS), 1 spec. 29.05.1956, S.N., 3 specs 2.07.1967, S.N.; 2 specs Dumbrăveni forest, Furnica (CT), 12.05.1997, P.C. (Fig. 3 A).

Notorrhina Redtenbacher, 1845*Notorrhina muricata* Dalman, 1817(syn. *punctata* auct.)

Czech Republic, Bohemia, Chlum u Tržboně 3 specs 06.1950, 2 specs 06.1951, 1 spec. 06.1952, N.J. (S.N. coll.) (Fig. 3 B).

Tetropium Kirby, 1837(syn. *Isarthron* Dejean, 1835)*Tetropium castaneum* (Linnaeus, 1758)

4 specs Azuga (PH), 20.06. F.Ed.; 3 specs Moinești (BC), without other data, C.R.; 2 specs Crucea, Bistrița Mts (SV), without other data, M.A.L.; 1 spec. Karpathes, without other data, M.A.L.; 1 spec. Rășinari (SB), 3.06.1954, S.N.; Rarău Mts (SV), 4 specs 12.06.1954, S.N., 4 specs 19.08.1955, S.N.; 2 specs Rarău Mts, Zlătuia (SV), 27.07.1956 S.N., 6 specs Răstolnița (MS), 16.06.1956 S.N.;

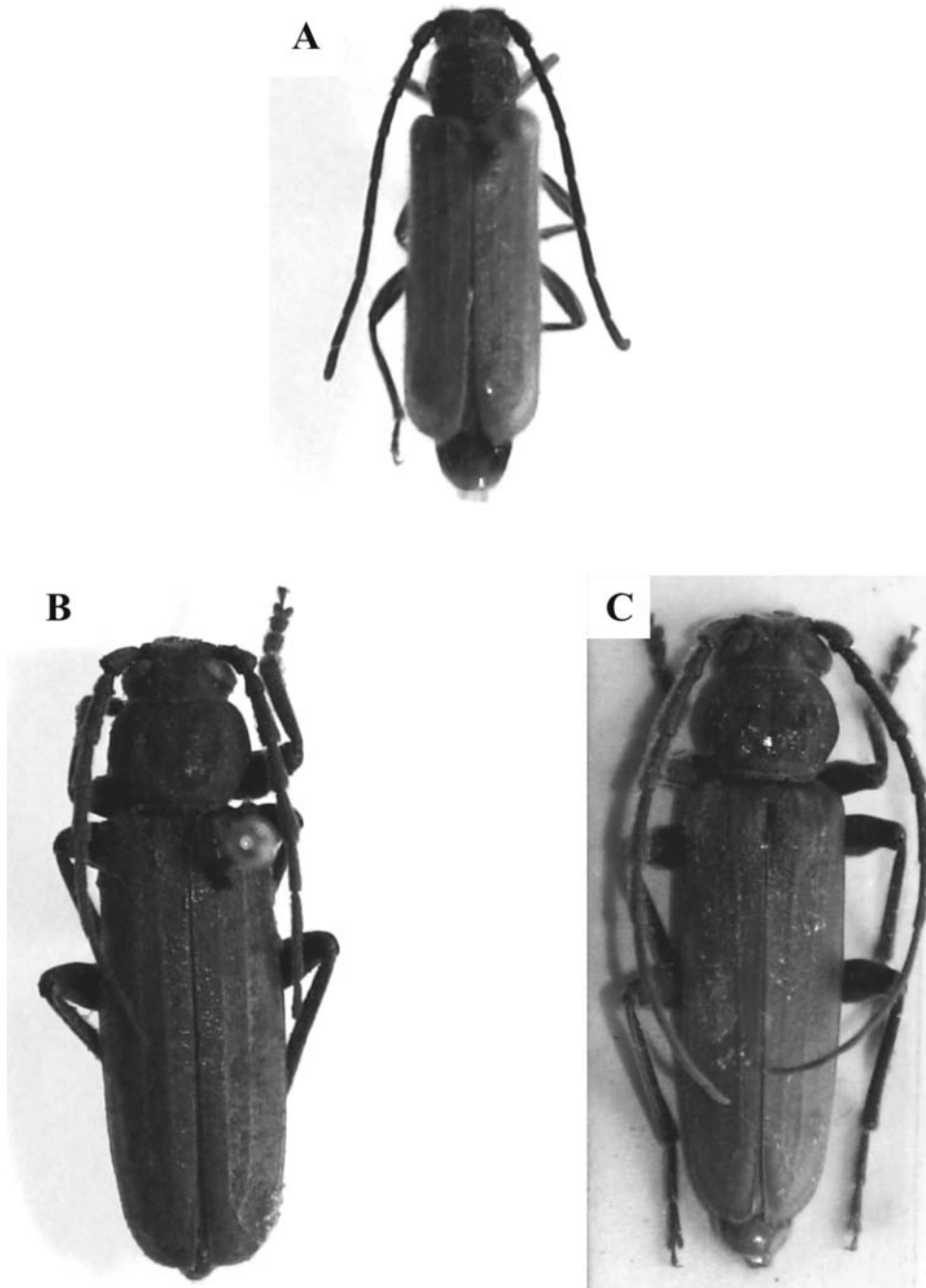


Fig. 1 - A, *Anisarthron barbipes*; B, *Arhopalus rusticus*; C, *Arhopalus syriacus*.

Făgăraş Mts, Capra Peak, 5 specs 28.06.1957, S.N., 1 spec. 17.08.1959, S.N.; 1 spec. Făgăraş Mts, Otic Peak, 15.08.1959, S.N.; 2 specs Făgăraş Mts, Buda Peak, 12.08.1959, S.N.; 1 spec. Craiova (DJ), 30.05.1960; 1 spec. Pălteniș, Cindrel Mts (SB), 2.07.1962, S.N.; 1 spec. Rodna Mts, Pietrosu Rodnei Peak (MM), 18.06.1963, S.N.; 2 specs Râncea, Parâng Mts (GJ), 18.07.-1.08.1964, P.G.A.; 3 specs Sinaia, Bucegi Mts (PH), 27-29.06.1971, S.N.; 1 spec. Lacul Sărat (GL), 8.05.1979, P.G.A.; 1 spec. valley of Vaser river, Maramureş Mts (MM), 20.08.1982, I.A.; 1 spec. Făgăraş Mts, Poiana Neamțului, 15.05.1986, M.I.; 19 specs Bârnova (IS), 27-29.08.1988, S.N.; 1 spec. Piatra Craiului Mts, Tămașul Mare (BV), 11.07.1990 N.I.; 1 spec. București, 10.03.1994, T.M.; 1 spec. Gurghiu Mts (MS), 10.07.1994, M.B.P.; 5 specs Smereceni clearing, 7 km upstream Repedea (MM), 24-27.06.1997, S.R., S.A., S.M.; 1 spec. Elmo clearing, 2 km upstream Repedea (MM), 24.06.1997, P.C.; 1 spec. Poienile de sub Munte (MM), 500 m downstream the confluence of the Rica and Budescu rivers, 14.06.1997, S.R.; 1 spec. Repedea, 500 m upstream Repedea f.h. (MM), 18.06.2003, S.R.; 2 specs Dragomirești (MM), 22.06.2003, P.C.; 1 spec. Săliște, valley of Idișor rivulet (MM), 22.06.2003, S.R.; 1 spec. Piatra Craiului Mts, Valea Seacă, upstream Brusturet chalet (AG), 21.06.2005, S.R., 2 specs Piatra Craiului Mts, Valea cu Apă, upstream Brusturet chalet, 23.06.2005, S.R. (Fig. 3 C).

Tetropium fuscum (Fabricius, 1787)

1 spec. Postăvaru Mt., Braşov (BV), without other data, D.Fr.; 1 spec. Rodna Mts, without other data, D.Fr.; 1 spec. Austria, Alps, Levanttal, without other data, (S.N. coll.); 1 spec. Bulgaria, Sofia, without other data, (S.N. coll.); 1 spec. Răstolnița (MS), 16.06.1956, S.N.; 4 specs Mții Retezat, valley of Zlătuia rivulet, 27.07.1956, S.N.; 1 spec. Făgăraş Mts, Capra Peak, 28.07.1957, S.N.; 1 spec. Bichigiu (BN), 27.05.1985, R.D.; 2 specs Predeal (BV), 28.09.1993, P.S.M.; 1 spec. Voineasa resort (VL), 1.08.1996, P.S.M.; 2 specs București, „Grigore Antipa” Museum parc, 23-25.03.1994, T.M., Ș.M.; 1 spec. Țibleș Mts, Dragomirești f.h. (MM), 15.06.2003, P.C.; 1 spec. Baicu f.h., Dragomirești (MM), 22.VI. 2003, S.R. (Fig. 3 D).

Tetropium gabrieli Weise, 1905

Czech Republic, Bohemia, Chlum u Tržboně 1 spec. 06.1950, 7 specs 05.-06.1951, 1 spec. 06.1952, N.J. (S.N. coll.) (Fig. 3 E).

Tribe Saphanini

Saphanus Serville, 1834

Saphanus piceus piceus (Laicharting, 1784)

1 spec. Azuga (PH), without other data, F.Ed.; Retezat Mts, 2 specs 11.06.1946, 1 spec. 25.06.1950; 2 specs Pojoga (HD), 27.06.1957, S.N.; 1 spec. Făgăraş Mts, Bârcaciu, 10.08.1958, S.N.; 1 spec. Bucegi Mts, Poiana Stâni, 15.08.1969, R.A.; Băile Herculane (CS), 1 spec. 2.08.1971, S.N., 1 spec. 2.08.1971, S.N.; 1 spec. Bucegi Mts, Sinaia (PH), 1.07.1994, P.S.M. (Fig. 4 A).

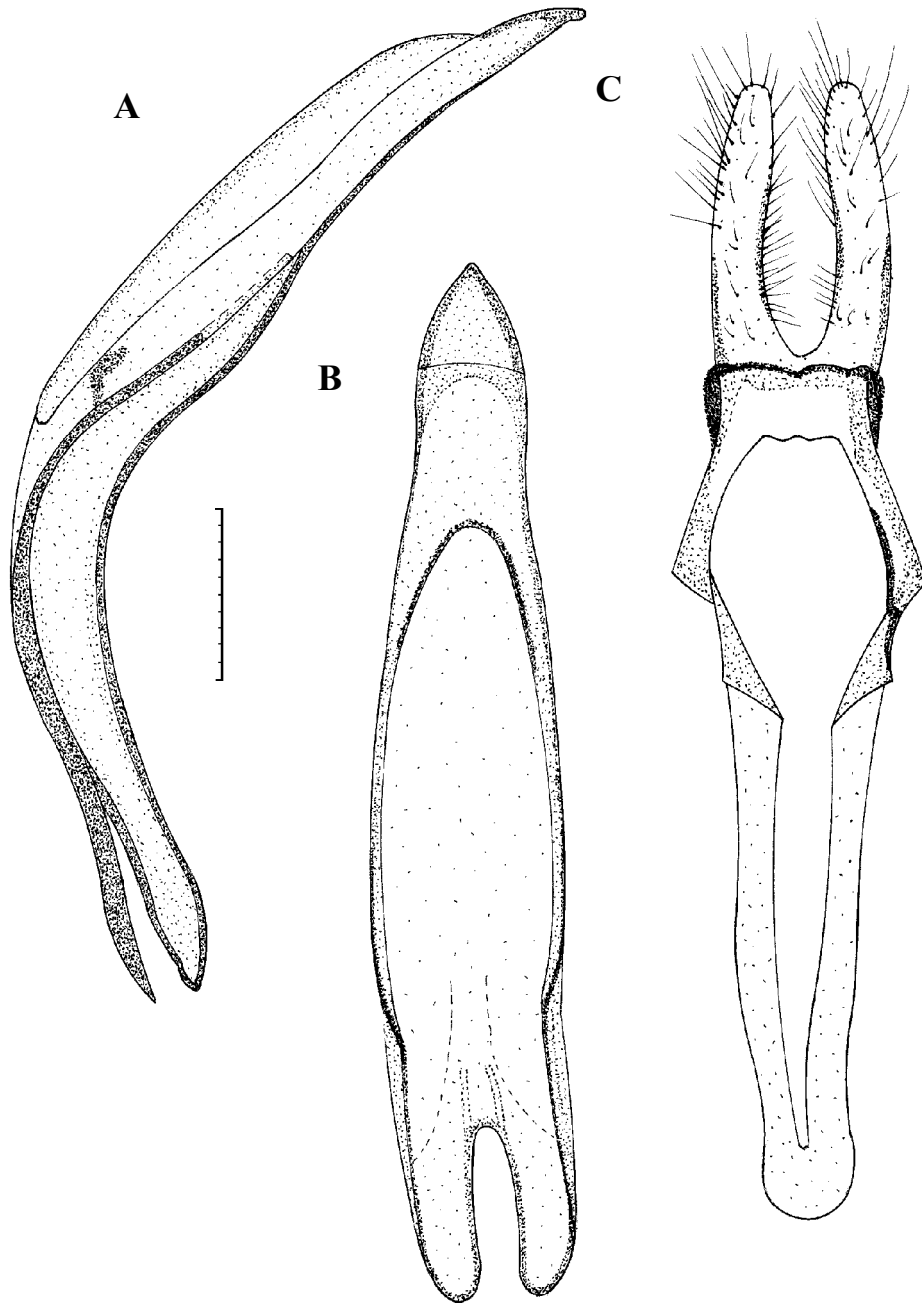


Fig. 2 – *Arhopalus rusticus*, aedeagus: A, penis lateral view; B, penis ventral view; C, parameres ventral view. Scala: 0.5 mm.

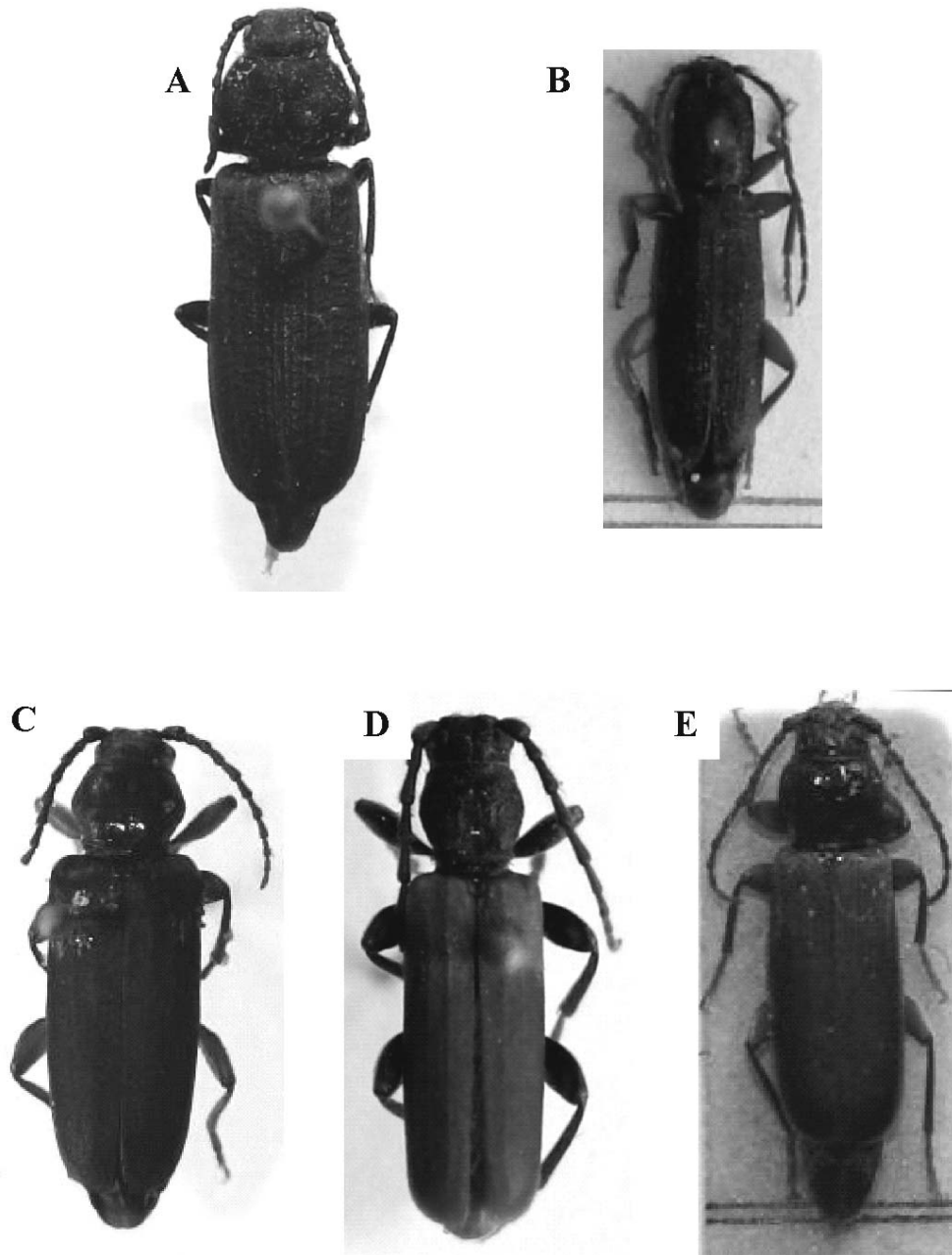


Fig. 3 – A, *Asemum striatum*; B, *Notorrhina muricata*; C, *Tetropium castaneum*, D, *Tetropium fuscum*; E, *Tetropium gabrieli*.

Tribe Spondylidini

Spondylis Fabricius, 1775*Spondylis buprestoides* (Linnaeus, 1758)

1 spec. without data, K.D.; Retezat Mts, Gura Zlata, 1 spec. 1933, T.E., 1 spec. 10.IX.1952, S.N.; 3 specs Czech Republic, Bohemia, Chlum u Tržebně, 1.07.-10.08.1949 (S.N. coll.); Băile Herculane (CS), 1 spec. 17.06.1953, S.N., 2 specs 2.IX.1955, S.N., 2 specs 4.07.1964, S.N.; 2 specs Făgăraș Mts, Cumpăna, 17.08.1957, S.N.; 3 specs France, Planzolles, Ardèche, 9.07.1970, B.J.; 1 spec. Spain, Olmedillo de Roa, Burgos, 1.07.1980, B.F. (Fig. 4 B).

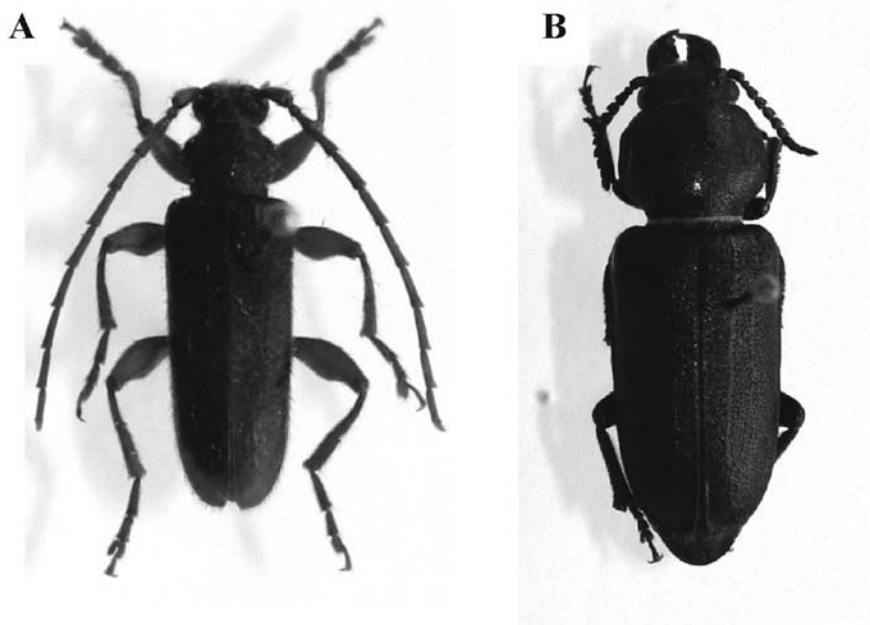


Fig. 4 – A, *Saphanus piceus*; B, *Spondylis buprestoides*.

DISCUSSIONS

The specimens of the acquired collections at the end of the 19th century and the beginning of the 20th are preserved for their historical value, although not all of them have collecting data. The specimens of Deszö Kenderessy collection were collected at the end of the 19th century from Hațeg Depression. The materials of Eduard Fleck's collection were collected especially from the Bucegi Mountains, most of them from Azuga. A large number of the specimens of the Friedrich Deubel collection originates in the surroundings of Brașov. Arnold Lucien Montandon collection consists of coleopterans collected at the end of the 19th century from the royal estate from Bistrița mountains.

From the old collections, specimens collected by Richard Canisius, painter and entomologist, who worked in the Museum during 1907-1934, are also included. On the labels of the material from these collections only the localities are mentioned, without specifying the day, month and year of collecting.

Seven species of the subfamily Spondylidinae, reported for Romania, are present in collections. The species *Notorrhina muricata* Dalman and *Tetropium gabrieli* Weise are represented by the material from Czech Republic. *Notorrhina muricata* (syn. *punctata* auct.) is distributed in Europe and Near East. *Tetropium gabrieli* Weise is an European species.

Tetropium castaneum (Linnaeus) and *Arhopalus rusticus* (Linnaeus), common species, are well represented in collections. The Mediterranean species *Arhopalus syriacus* (Reitter) is represented by the material from Italy.

In Romania, there is a single report for *Arhopalus fesus* (Mulsant) from Cindrel (Cibin) Mountains, Păltiniș (Panin & Săvulescu, 1961). This species occurs in the coniferous forests. Its presence in Romanian fauna has to be confirmed.

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CATALOGUL SPECIILOR PALEARCTICE DE SPONDYLIDINAE (COLEOPTERA: CERAMBYCIDAE) DIN PATRIMONIUL MUZEULUI NAȚIONAL DE ISTORIE NATURALĂ „GRIGORE ANTIPA” (BUCUREȘTI) (Partea a III-a)

REZUMAT

Catalogul cuprinde datele referitoare la 10 specii de coleoptere cerambycide din subfamilia Spondylidinae, păstrate în colecțiile Muzeului Național de Istorie Naturală „Grigore Antipa” (București). 7 specii, dintre cele 8 cunoscute ca făcând parte din fauna României, sunt prezente în colecțiile Muzeului. Specia *Arhopalus syriacus* este reprezentată în colecție prin material provenind din Italia, iar speciile *Notorrhina muricata* și *Tetropium gabrieli* prin material din Republica Cehă.

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