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The entomological collection of Adalbert Takács deposited in Țării Crișurilor Museum, Oradea

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Abstract. The catalog lists the data on the 315 specimens of Palaearctic, Nearctic, Afrotropic, Neotropic, Australasian and Indo-Malayan insects from the collection of Adalbert Takács deposited in Țării Crișurilor Museum, Oradea, Romania. The collection consists of 56 species of Coleoptera (45 Carabidae, 3 Cerambycidae, 2 Lucanidae, 6 Scarabaeidae) and 9 species of Lepidoptera (6 Papilionidae and 3 Nymphalidae), including 20 endemic species and subspecies, one IUCN Red List species and 3 species of European community interest.

Introduction

On several occasions during 2002-2004, the amateur entomologist Adalbert Takács (b. 1924, Takács Béla in Hungarian) from Zalău, Sălaj County, in northwestern Romania, sold to the Țării Crișurilor Museum parts of his private entomological collection. The collection has been formed as a result of his many collecting trips in Romania (mainly in his native region around Zalău, but also in the north and southwest, in Dobruja, the Danube Delta and the Carpathians), and through exchanges of entomological materials with private collectors from 20 countries.

Adalbert Takács worked as economist, but his lifelong passion for nature and especially for insects allowed him to achieve a solid knowledge on Romanian carabids and to form a valuable collection of Coleoptera and Lepidoptera, which included a number of endemic and rare species. Other parts of his collection were sold to other Romanian museums (mostly in 1984 to the History and Art Museum in Zalău), or were included in temporary exhibitions at the natural history museums in Bucharest, Timișoara and Sibiu, proving once again the scientific interest for his valuable collected material (Pop et al. 2006). His enthusiasm for coleopterans was manifest also in his scientific publications in *Acta Musei Porolissensis*, in which he acted sometimes more like a “splitter” (e. g. Takács 2002a, 2002b).

The aim of the present paper was to revise the coleopterans and lepidopterans from the collection of Adalbert Takács deposited in Țării Crișurilor Museum, honoring thus the activity of an enthusiast amateur entomologist.

Materials and methods

The specimens were revised according to monographic and more recent publications (Panin 1955, Deloya & Moron 1994, Edmonds 1994, Price 2007, 2009, Rubio-G. et al. 2009, Vigna Taglianti 2009, Gillett & al. 2010, Paulsen & Smith 2010) and online databases (Anichtchenko et al. 2008, Paulsen 2008, Lucanidae of the World, www.cerambycoidea.com, www.lamiinae.org, www.phanaeionline.co.uk, www.scarabnet.org). The synonymies and other obsolete taxon names, such as forms and aberrations, were not mentioned. The original labels were transcribed and arranged in uniform manner and the localities names were corrected and updated when necessary. Some entries from the original labels were mentioned between quotation marks (“ ”). Months were transcribed in Roman numerals.

For the Romanian localities, the county names were included abbreviated in capital letters between round brackets. The numbers of specimens were included in square brackets.

Abbreviations

AB = Alba, AR = Arad, B = Bucharest, BH = Bihor, BM = Baia Mare, BT = Botoșani, BV = Brașov, CJ = Cluj, CS = Caraș-Severin, CT = Constanța, CV = Covasna, GR = Giurgiu, HD = Hunedoara, HR = Harghita, IF = Ilfov, MM = Maramureș, MS = Mureș, NT = Neamț, PH = Prahova, SJ = Sălaj, SM = Satu Mare, SV = Suceava, TM = Timiș, VL = Vâlcea.

I. = island, Mt. = mount(ains), Păd. = forest, V. = valley, Vf. = peak.

Systematic list**ORD. COLEOPTERA L. 1758****Subord. Adephaga Schellenberg 1806****Fam. Carabidae Latreille 1802****Subfam. Cicindelinae (Latreille 1802)****Tribus Cicindelini Latreille 1802**

Pseudoxyeila bipustulata (Latreille 1811)

Santo Domingo de los Colorados (Ecuador) II 1982 [1].

Subfam. Carabinae Latreille 1802**Tribus Carabini Latreille 1802**

Carabus (Archicarabus) montivagus montivagus Palliardi 1825

Mt. Zarand (AR) VI 1980 [2]; Râmnicu Vâlcea (VL) VII 1994 [1]; Gilău (CJ) VI 2001 [4].

C. (Archiplectes) apollo tenebricosus Kurnakov 1962

V. Aapsta, Mt. Caucasus (Abkhazia, Georgia) 12 V – 7 VII 1990 [1].

C. (Aulonocarabus) nangnimicus Blumenthal & Deuve 1984

Mt. Tchouma (?) (Korea) VII 1993 [1] ♀.

C. (Chaetocarabus) intricatus L. 1761

Herculane (CS) VII 1971 [1]; Mt. Carso, Trieste (Mt. Cucco) (Italy) 25 III 1982 [1]; Vişeu de Sus (MM) VII 1989 [1].

C. (Chrysocarabus) auronitens auronitens Fabricius 1792

St. Gilgen (Austria) X 1973 [2].

C. (Chrysocarabus) auronitens costellatus Gehin 1882

Neuville (France) 27 XII 1976 [2].

C. (Chrysocarabus) auronitens escheri Palliardi 1825

Mt. Breţcu (CV) VI 1980 [1]; Baia Borşa (MM) VI 1981 [1]; Detunata (AB) VI 1981 [1]; Mt. Gutâi (BM) VI 1984 [1]; Vatra Dornei (SV) VI 1988 [1]; Mt. Meseş (SJ) VI 1991 [2]; Mt. Gutâi (BM) VI 1993 [2], VI 1999 [1].

C. (Chrysocarabus) auronitens festivus Dejean 1826
Aude (France) 6 VI 1978 [3].

C. (Chrysocarabus) hispanus Fabricius 1787
Gard (France) I 1985 [1].

C. (Chrysocarabus) lineatus lineatus Dejean 1826
Valencia (Spain) XI 1987 [1].

C. (Chrysocarabus) lineatus lateralis Chevrolat 1840
León (Spain) VI 1987 [1]; Salamanca (Spain) VI 1987 [1].

C. (Chrysocarabus) rutilans rutilans Dejean 1826
Barcelona (Spain) VI 1987 [1].

C. (Chrysocarabus) solieri solieri Dejean 1826
Pélasque Le Suquet (France) 4 VI 1981 [2].

C. (Chrysocarabus) splendens Olivier 1790
Navarra (Spain) VI 1987 [1].

C. (Cytilocarabus) cribratus porrectangulus Gehin 1885
Izmir (Turkey) 18 VIII 1978 [2].

C. (Eucarabus) arcensis carpathus Born 1902
Cean (SM) VII 1982 [1]; Crişeni (SJ) V 1990 [2].

C. (Eucarabus) catenulatus catenulatus Scopoli 1763
Mt. Grisa (Slovenia) 22 VIII 1975 [2].

C. (Eucarabus) catenulatus fontanellae Reitter 1896
I. Cres (Croatia) 1 V 1982 [2].

C. (Eucarabus) deyrollei deyrollei Gory 1839
Oviedo (Spain) XI 1987 [1].

C. (Eucarabus) obsoletus obsoletus Sturm 1815
Trenčín (Slovakia) VI 1973 [4]; Mt. Gutâi (BM) VI 1976 [1]; Borşa (MM) VI 1979 [2],
V 1996 [1], VI 1999 [1]; Vişeu de Sus (MM) VII 1999 [1], VII 2001 [3].

C. (Eucarabus) obsoletus carpathicus Palliardi 1825

Mt. Zarand (AR) VI 1980 [1]; Pojoga (HD) VI 1988 [1]; Zlatna (AB) VI 1990 [2]; Mt. Tâmpa (BV) VII 1990 [2]; Mt. Semenici (CS) VII 2001 [2].

C. (Eucarabus) obsoletus fossulifer Fleischer 1893

Mt. Meseş (SJ) VI 1985 [5], V 1986 [1], VI 1988 [1], VI 1989 [1]; Păniceni (CJ) VII 1995 [3], VII 2001 [7].

C. (Eucarabus) obsoletus prunneri Mallasz 1901

Detunata (AB) VI 1981 [2].

C. (Eucarabus) ullrichii ullrichii Germar 1824

Bizusa (SJ) V 1972 [1]; Băneasa (B) V 1977 [1]; Comana (GR) VII 1981 [1]; Jibou (SJ) IX 1984 [1]; Gilău (CJ) VI 1991 [1]; Zalău (SJ) VIII 2001 [2].

C. (Eucarabus) ullrichi fastuosus Palliardi 1825

Herculane (CS) VI 1964 [1], VI 1979 [1]; Sasca Montană (CS) VI 1979 [2]; Herculane (CS) VI 1984 [2]; Mt. Domogled (CS) VI 1984 [1].

C. (Hygrocarabus) variolosus Fabricius 1787

Mt. Meseş (SJ) VI 1990 [3]; Gilău (CJ) VI 2001 [2].

C. (Macrothorax) morbillosus constantinus Kraatz 1899

I. Sardinia (Italy) XII 1973 [2].

C. (Megodontus) caelatus dalmatinus Duftschmid 1812

Mt. Velebit (Croatia) 28 VII 1982 [2].

C. (Megodontus) caelatus schreiberi Kraatz 1877

Postojna (Slovenia) 12 VIII 1971 [3].

C. (Megodontus) violaceus violaceus L. 1758

Mt. Gilău (CJ) VI 1988 [1]; Mt. Gutâi (BM) VI 1988 [1], VI 1999 [1]; Mt. Gilău (CJ) VII 1999 [1]; Răcăţiu (CJ) VII 1999 [1]; Zalău (SJ) VI 2001 [1]; Vişeu de Sus (MM) VII 2001 [3]; Zalău (SJ) VII 2002 [1].

C. (Megodontus) violaceus andrzejusci Fischer von Waldheim 1823

Hilişeu-Horia (BT) VI 1982 [1]; Râmnicu Vâlcea (VL) VII 1990 [1].

C. (Megodontus) violaceus azureus Dejean 1826

Mt. Velebit (Croatia) 20 VIII 1974 [2], 22 VIII 1974 [2].

C. (Megodontus) violaceus germarii Sturm 1815

Mt. Krim (Slovenia) 3 XI 1975 [2].

C. (Megodontus) violaceus wolffi Dejean 1826

Moldova Nouă (CS) VI 1976 [1]; Sasca Montană (CS) VI 1977 [1]; Baia Borșa (MM) VI 1981 [1]; Vatra Dornei (SV) VII 1982 [2], VII 1988 [2].

C. (Mesocarabus) lusitanicus brevis Dejean 1826

Sierra de Guadarrama (Spain) 29 V 1983 [2].

C. (Mesocarabus) lusitanicus molossoides Lasalle 1984

Cáceres (Spain) VI 1987 [1].

C. (Mesocarabus) macrocephalus macrocephalus Dejean 1826

Puerto de Ibañeta, Mt. Pyrenees (Spain) 22 V 1983 [1]; Oviedo (Spain) XI 1987 [1].

C. (Mesocarabus) problematicus problematicus Herbst 1786

Bicaz Gorge (NT) VII 1987 [2].

C. (Morphocarabus) comptus Dejean 1831

Nădrag (TM) VI 1982 [1]; Constantin Daicoviciu (Căvărnan) (CS) VI 1985 [1]; Mt. Gilău (CJ) VI 1987 [1], VI 1988 [2], VI 1998 [2].

C. (Morphocarabus) excellens Fabricius 1798

Hilișeu-Horia (BT) VI 1982 [2].

C. (Morphocarabus) hampei Kuster 1846

Mt. Meseș (SJ) V 1972 [1]; Oradea (BH) V 1973 [1]; Năsăud (BN) VI 1973 [2]; Pojoga (HD) VI 1985 [1]; Zalău (SJ) VI 1985 [1]; Groși (MM) alt. 400 m. VII 1985 [1]; Negrești (AB) VIII 1985 [1]; B. Felix (BH) VI 1986 [1]; Gligorești (AB) VII 1987 [1]; Mt. Gutâi (BM) VI 1989 [2]; Mt. Meseș (SJ) VI 1989 [1]; Bacea (Ilia, HD) VII 1989 [3]; Micula (SM) VI 1992 [2]; Zalău (SJ) VI 1992 [6]; Mt. Gutâi (BM) VI 1993 [1]; Păd. Crișeni (SJ) VI 1994 [1]; Mt. Gutâi (BM) VI 1999 [2].

C. (Morphocarabus) hampei incompus Kraatz 1880

Mt. Tâmpa (BV) 600 m. VI 1989 [1].

C. (Morphocarabus) kollari Palliardi 1825
Sasca Montană (CS) VI 1977 [4]; Mt. Locvei (CS) VI 1982 [1].

C. (Morphocarabus) regalis Fischer von Waldheim 1822
Mt. Altai (Russia) 10 VII 1992 [1] ♀.

C. (Morphocarabus) rothi rothi Dejean 1829
Nemeșești (TM) VI 1997 [3]; Vânători (MS) VIII no year, [1].

C. (Morphocarabus) rothi alutensis Săvulescu 1972
Râmnicu Vâlcea (VL) VII 1986 [1], VIII 1989 [1]; Călimănești (VL) VII 1994 [1];
Râmnicu Vâlcea (VL) VII 1994 [1].

C. (Morphocarabus) scheidleri scheidleri Panzer 1799
Český Krumlov (Czech Republic) VIII 1983 [6] (incl. 2 ♀).

C. (Morphocarabus) zawadzki seriatissimus Reitter 1896
Mt. Maramureș (MM) VII 1987 [2].

C. (Ohomopterus) dehaani dehaani Chaudoir 1848
Mt. Rokkō (Hyōgo, Japan) 23 III 1978 [2].

C. (Ohomopterus) lewisianus Breuning 1932
Atami (Japan) 26 XII 1976 [3].

C. (Oreocarabus) glabratus Paykull 1790
Broșteni (SV) VII 1982 [1]; Lacu Roșu (HR) VII 1988 [2]; Vatra Dornei (SV) VII 1988 [2].

C. (Oreocarabus) glabratus extensus Kraatz 1885
Crișeni (SJ) VI 1968 [1]; Tușnad (HR) VI 1983 [1]; Crișeni (SJ) VI 1987 [2], V 1989 [2].

C. (Orinocarabus) linnaei linnaei Panzer 1812
Vf. Caraiman (PH) alt. 2200 m. VIII 1969 [1]; Broșteni (SV) VII 1982 [5]; Mt. Považský Inovec (Slovakia) VII 1982 [4]; Mt. Gutâi (BM) VI 1984 [5].

C. (Orinocarabus) sylvestris transylvanicus Dejean 1826
Piatra Arsă (Mt. Bucegi) (PH) 2100 m VIII 1969 [1].

C. (Platycarabus) irregularis Fabricius 1792

Mt. Krim (Slovenia) 9 X 1971 [2].

C. (Platycarabus) irregularis montandoni Buysson 1882

Mt. Gutâi (BM) VI 1993 [1].

C. (Platycarabus) irregularis ramanus Sokolar 1909

Mt. Krim (Slovenia) 28 X 1976 [2].

C. (Procrustes) coriaceus coriaceus L. 1758

Mt. Locvei (CS) VI 1973 [1]; Herculane (CS) VI 1984 [2], VI 1990 [2].

C. (Procrustes) coriaceus cerisyi Dejean 1826

Neptun (CT) IX 1982 [2]; Mt. Pindos (Greece) 12 V 1985 [1].

C. (Procrustes) coriaceus rugifer (Kraatz 1877)

Comana (IF) VI 1977 [2]; Mt. Gilău (CJ) VI 1985 [1]; Borșa (MM) VI 1986 [4].

C. (Rhabdotocarabus) melancholicus submeridionalis Breuning 1975

Huelva (Spain) V 1985 [1].

C. (Tachypus) cancellatus cancellatus Illiger 1798

Sf. Gheorghe (CV) VIII 1974 [1]; Mt. Brețcu (CV) VI 1980 [1]; Borșa (MM) VI 1996 [2].

C. (Tachypus) cancellatus graniger Palliardi 1825

Mt. Locvei (CS) VI 1973 [1]; Florești (CJ) VIII 1978 [1]; Sasca Montană (CS) VI 1980 [1]; Comana (GR) V 1981 [1]; Balaureni (MS) VII 1982 [1]; Râmnicu Vâlcea (VL) VII 1989 [1].

C. (Tachypus) cancellatus tibiscinus Csiki 1905

Sighetu Marmăției (MM) VII 1982 [1]; Mt. Gutâi (BM) VI 1984 [2], VI 1985 [1], VI 1987 [1], V 1989 [1]; Micula (SM) VI 1990 [1]; Borșa (MM) V 1996 [1]; Vișeu de Sus (MM) VI-VII 1997 [3].

C. (Tachypus) cancellatus tuberculatus Dejean 1826

Mt. Meseș (SJ) V 1995 [1]; Păd. Crișeni (SJ) V 1995 [1]; Crișeni (SJ) V 1989 [1], V 1990 [1].

C. (Tomocarabus) convexus convexus Fabricius 1775

Păd. Crișeni (SJ) VI 1987 [1]; Mt. Meseș (SJ) VI 1990 [1].

C. (Tomocarabus) marginalis Fabricius 1794

Varghiș (HR) IX 1999 [1].

C. (Trachycarabus) scabriusculus lippii Dejean 1826

Groși (MM) VII 1986 [1]; Râmnicu Vâlcea (VL) VII 1986 [1].

Subfam. Harpalinae Bonelli 1810

Tribus Lebiini Bonelli 1810

Mormolyce phyllodes Hagenbach 1825

Cameron Highlands (Pahang, Malaysia), no other data [1].

Subord. Polyphaga Emery 1886

Fam. Cerambycidae Latreille 1802

Subfam. Lamiinae Latreille 1825

Tribus Batocerini Lacordaire 1869

Rosenbergia weiskei (Heller 1902)

Kerowagi (Papua New Guinea) VI 1990 [1].

Tribus Lamiini Latreille 1825

Celosterna pollinosa Buquet 1859

Suphan Buri (Thailand) VIII 1976 [1].

Tribus Petrognathini Blanchard 1845

Petrognatha gigas (Fabricius 1792)

Danyi prefecture (Plateaux region, Togo) („Plateau de Daye, Togo”) III 1988 [1] ♀.

Fam. Lucanidae Latreille 1804

Subfam. Lucaninae Latreille 1804

Tribus Chiasognathini Burmeister 1847

Chiasognathus latreillei Solier 1851

Cherquenco (Cautin province, Chile) 17 II 1978 [1].

Tribus Lucanini Latreille 1804*Hexarthrius parryi paradoxus* Mollenkamp 1897

I. Sumatra (Indonesia), no other data [1] ♂.

Fam. Scarabaeidae Latreille 1802**Subfam. Scarabaeinae Latreille 1802****Tribus Phanaeini MacLeay 1819***Phanaeus (Ph.) demon* Laporte-Castelnau 1840

„Brazil” (sic), no other data [1] ♂.

Ph. (Notiophanaeus) splendidulus (Fabricius 1781)

São Bento (Brazil) II 1991 [1] ♂.

Subfam. Cetoniinae Leach 1815*Coelorrhina aurata* Westwood 1841

Africa, no other data [1].

Mecynorrhina (Amaurodes) harrisi harrisi (Moser 1905)

Congo (formerly Zaire), no other data [1] ♂.

M. (Amaurodes) harrisi procera Kolbe 1894 (f. *haroldi*)

Katanga province (Congo) (formerly Shaba, Zaire) IV 1991 [1] ♂.

Subfam. Dynastinae MacLeay 1819*Eupatorus hardwickei cantori* Hope 1831 (black form)

Kaziranga National Park (?) („Khasi”) (Assam, India) VIII 1978 [2] ♂, ♀.

E. siamensis Laporte-Castelnau 1867

India, no other data [1] ♂.

ORD. LEPIDOPTERA L. 1758
Subord. Ditrysia Börner 1925
Fam. Papilionidae (Latreille 1802)
Subfam. Papilioninae Latreille 1802
Tribus Leptocircini Kirby 1896

Graphium endochus (Boisduval 1836)

No data [1].

Tribus Papilionini Latreille 1802

Papilio lormieri Distant 1874

“Nlong” (?) (Cameroon) 15 IV 1971 [1].

P. thoas brasiliensis (Rothschild & Jordan 1906)

Brazil, no other data [1] ♀.

Tribus Troidini Talbot 1939

Cressida cressida (Fabricius 1775)

Cairns (Queensland, Australia) 14 IV 1983 [1] ♂.

Ornithoptera (Schoenbergia) goliath proci (Rothschild 1914)

I. Seram (Maluku province, Indonesia) 1989 [2] ♂, ♀.

Subfam. Parnassiinae Duponchel 1835
Tribus Parnassiini Duponchel 1835

Parnassius phoebus (Fabricius 1793)

Albany (USA), no other data [1].

Fam. Nymphalidae Rafinesque 1815
Subfam. Satyrinae Boisduval 1833 (incl. Morphinae)
Tribus Brassolini (Boisduval 1836)

Caligo eurilochus (Cramer 1775)

Peru, no other data [1].

Tribus Morphini Newman 1834

Morpho thamyris Felder 1867

São Bento (Brazil) III 1992 [1].

Nymphalidae indet.

Cameron Highlands (Malaysia), no other data [2] ♂, ♀.

Discussion

The collection includes 315 specimens, mostly Carabinae (289 specimens): 21 Carabinae subgenera with 43 species and 53 subspecies, 1 Cicindelinae species, 1 Harpalinae species, 3 Cerambycidae (Lamiinae), 2 Lucanidae (Lucaninae), 6 Scarabaeidae species (2 Scarabaeinae, 2 Cetoniinae, 2 Dynastinae), and 9 Lepidoptera species: 6 Papilionidae and 3 Nymphalidae. For all the material from Romania the collector was Adalbert Takács, but for the exotic specimens the respective collectors remain unknown.

The best represented subgenera are *Eucarabus* (63 specimens) and *Morphocarabus* (60 specimens), while the most abundant species is *C. obsoletus* (41 specimens). The majority of the ground beetles specimens were collected by Adalbert Takács in Romania, mostly in the northwestern region around Zalău, but also in other regions, such as the Mediterranean-influenced Banat in the southwest, in the Carpathians or in the northern region Maramureş. The insects from abroad (Palaeartic, Nearctic, Afrotropic, Neotropic, Australasian and Indo-Malayan) were obtained by him through exchanges with private collectors. The known collecting data range between 1964 and 2002.

A number of remarkable species are represented, such as the mountaineous tiger beetle *Pseudoxycyella bipustulata* (distributed in Ecuador, Colombia, Bolivia, and Peru), the violin beetle *Mormolyce phyllodes* (Fig. 1) (distributed in Indonesia and Malaysia), the Lucanine stag beetle *Chiasognathus latreillei* (restricted to areas of southern Chile and southern Argentina), and the rainbow beetle *Phanaeus splendidulus* (distributed in Brazil and Argentina). *Ph. demon* is a Central American species, therefore the sole mention in its original label („Brazil”) is erroneous.

Among the remarkable Lepidoptera there are *Graphium endochus*, though with no data (the species is distributed in Madagascar and Mozambique), *Ornithoptera goliath proci* (Fig. 2) (the second largest butterfly of the world, endemic for the mountaineous area of the Island Seram, Indonesia, and included

in CITES Appendix II), and *Morpho thamyris* (distributed in Paraguay and Brazil).

The endemic and rare ground beetle taxa included are: *Carabus auronitens costellatus*, *C. auronitens festivus*, and *C. hispanus* (endemic for France); *C. lineatus lineatus*, *C. lusitanicus brevis*, and *C. lusitanicus molossoides* (endemic for Spain); the Iberic endemisms *C. lineatus lateralis*, *C. deyrollei deyrollei*, and *C. melancholicus submeridionalis*; *C. catenulatus fontanellae* (endemic for Croatia); *C. obsoletus fossulifer*, *C. comptus*, *C. hampei incompus*, *C. rothi rothi*, and *C. rothi alutensis* (endemic for Romania); *C. ullrichi fastuosus* and *C. kollari* (distributed in a limited area in southwestern Romania and Serbia); *C. macrocephalus macrocephalus* (distributed in the Pyrenees and Asturias, northwestern Spain); *C. zawadzkii seriatissimus* (endemic for Ukraine); *C. dehaani* and *C. lewisianus* (endemic for Japan); *C. irregularis ramanus* (restricted to Austria and former Yugoslavia); the Balkanic endemism *C. coriaceus cerisyi*; and *C. scabriusculus lippii* (restricted to Hungary, Romania and the Republic of Moldova).

The two Western and Central European subspecies *C. violaceus violaceus* and *C. problematicus problematicus* were collected by Adalbert Takács in northwestern Romania between 1988 and 2002, and in Bicaz gorge (Central Romania) in 1987, respectively, thus documenting a possible expansion of the two species.

The only IUCN Red List species in the collection is *C. intricatus* (Lower Risk/near threatened, according to the IUCN Red List ver. 2.3, assessed in 1996, needs updating). The collection includes three species of community interest, in need of strict protection, whose conservation requires the designation of special areas of protection: *C. hampei*, *C. variolosus*, and *C. zawadzkii*.

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The present paper is dedicated to Mr. Adalbert Takács.

References

- Anichtchenko A. et al., (editors) 2008. Carabidae of the World. <http://www.carabidae.ru>
Deloya C., Morón M. A. 1994. Listados faunísticos de México V. Coleópteros lamellicornios del distrito de Jojutla, Morelos, México (Melolonthidae, Scarabaeidae, Trogidae y Passalidae). UNAM, Instituto de Biología, Mexico City, 53 pp.

- Edmonds W. D. 1994. Revision of *Phanaeus* Macleay, a New World genus of scarabaeine dung beetles (Coleoptera: Scarabaeidae: Scarabaeinae). *Natural History Museum of Los Angeles County, Contributions in Science* **443**: 1-105.
- Gillett C. P. D. T., Gillett M. P. T., Gillett J. E. D. T., Vaz-de-Mello F. Z. 2010. Diversity and distribution of the scarab beetle tribe Phanaeini in the northern states of the Brazilian northeast (Coleoptera: Scarabaeidae: Scarabaeinae). *Insecta Mundi* **0118**: 1-19.
- Hegyessy G., Szél Gy. 2002. A Mátra Múzeum bogárgyűjteménye, Carabidae (Coleoptera). *Folia Historico-Naturalia Musei Matraensis* **26**: 189-220.
- Lie P. 1992. Bemerkungen zu *Carabus* (*Morphocarabus*) *hampei* Küster, 1846 aus Transsylvanien mit Beschreibung zweier neuen Unterarten. *Folia Entomologica Hungarica* **53**: 113-120.
- Maes J. M. Lucanidae of the World. <http://www.bio-nica.info/lucanidae/index.html>
- Panin S. 1955. Familia Carabidae (gen. *Cychnus* și gen. *Carabus*), Fauna R.P.R. Insecta, **10** (2):1-148 pp., Ed. Acad., București.
- Paulsen M. J. 2008. Annotated checklist of the New World Lucanidae (Coleoptera: Scarabaeoidea). <http://www-museum.unl.edu/research/entomology/Guide/Scarabaeoidea/Lucanidae/Lucanidae-Catalog/LucanidaeC.htm>
- Paulsen M. J., Smith A. B. T. 2010. Revision of the genus *Chiasognathus* Stephens of southern South America with the description of a new species (Coleoptera, Lucanidae, Lucaninae, Chiasognathini). *ZooKeys* **43**: 33-63.
- Pop F., Bălaș L., Bódis O. 2006. Oameni de seamă ai Sălajului. Dicționar biobibliografic, vol. II, L-Z. Biblioteca Județeană „Ioniță Scipione Bădescu”, Zalău, 369 pp.
- Price D. L. 2007. A phylogenetic analysis of the dung beetle genus *Phanaeus* (Coleoptera: Scarabaeidae) based on morphological data. *Insect Systematics & Evolution* **38** (1): 1-18.
- Price D. L. 2009. Phylogeny and biogeography of the dung beetle genus *Phanaeus* (Coleoptera: Scarabaeidae). *Systematic Entomology* **34** (1): 137-150.
- Rubio-G. J. D., Vallejo-E. L. F., Posada-F. F. J. 2009. *Pseudoxycheila bipustulata*, coleoptera de alta montaña en los Andes colombianos. *Boletín Científico del Centro de Museos de la Universidad de Caldas (Museo de Historia Natural)* **13** (2): 241-248.
- Săvulescu N. 1972. *Carabus* (*Morphocarabus*) *alutensis* nova sp. *Travaux du Musée d'Histoire Naturelle „Grigore Antipa”* **12**: 241-244.
- Takács A. 2002a. O valoroasă specie de *Carabus* în nordul țării: *Carabus seriatissimus* Reitter 1896. *Acta Musei Porolissensis* **24**: 735-737.
- Takács A. 2002b. Descoperirea coleopterului *Carabus hampei gutiiensis* Takács et Lie. *Acta Musei Porolissensis* **24**: 739-740.
- Vigna Taglianti A. 2009. An updated checklist of the ground beetles (Coleoptera: Carabidae) of Sardinia. *Zootaxa* **2318**: 169-196.
- <http://www.cerambycoidea.com>
- <http://www.lamiinae.org>
- <http://www.phanaeionline.co.uk>
- <http://www.scarabnet.org/>



Fig. 1. *Mormolyce phyllodes* Hagenbach 1825, Cameron Highlands (Pahang, Malaysia).

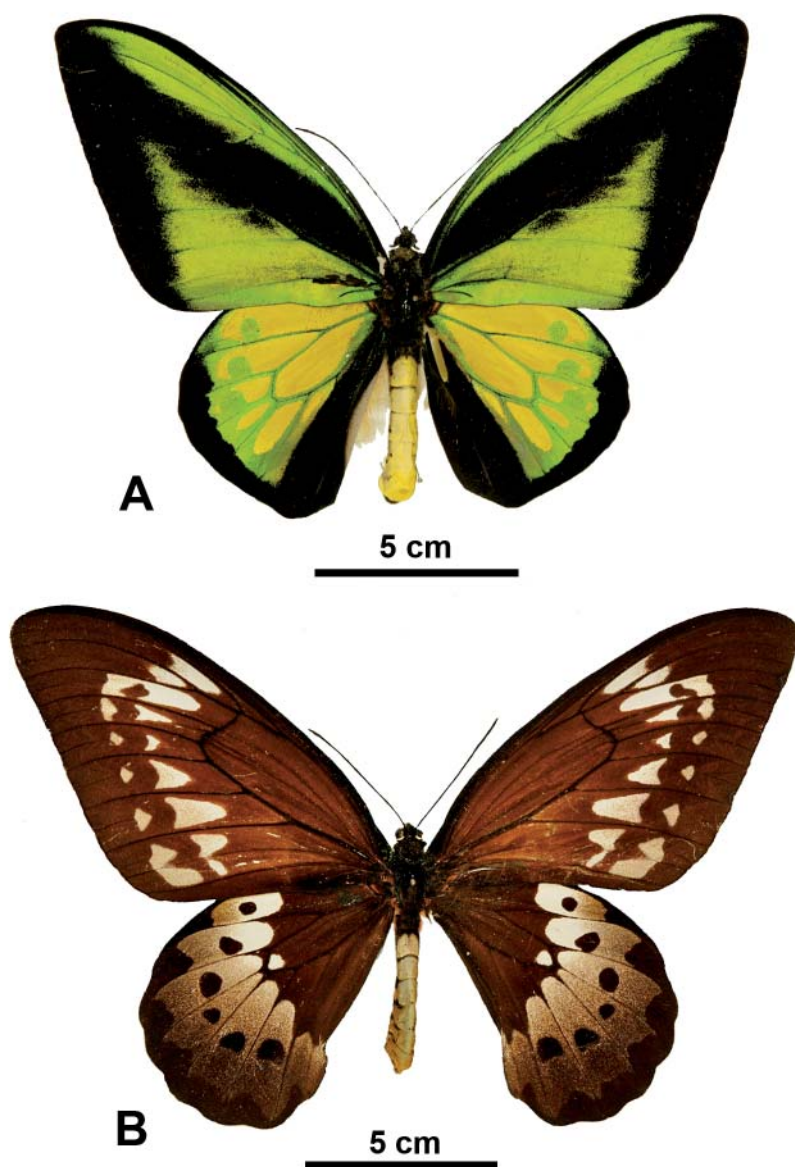


Fig. 2. *Ornithoptera (Schoenbergia) goliath procus* (Rothschild 1914), I. Seram (Maluku province, Indonesia) 1989: A – male, B – female.