

BUPRESTIS

A semi-annual newsletter devoted to the dissemination of information about buprestids and students of this group

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Dear friends,

You will find a long list of citations and an even longer list of new species, taxonomic changes etc. in this issue. But it could be more; the information for you could be better if I would have received reprints of all of your papers. It is an exhausting job to wait for news, to write and to get back nothing. All I still can do is to ask you to pass the list carefully and send me your reprints, you are missing in this compilation.

The new deadline for the next issue of BUPRESTIS will be 15. February 2007.

Hans Mühle
Editor

A. RESEARCH ACTIVITIES AND INTERESTS

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B. SPECIES WANTED FOR RESEARCH OR EXCHANGE

A revision of American *Polycesta* by T. Moore and V. Diéguez

Dear Colleagues:

Our *Polycesta* project is to put in order the American species, especially to clarify some doubts with the Cobos subgenera and species that they are in an "antinatural" position. Ex.: *aerolata*, *cubae*, *cortezi*, etc.

We think that *P. aerolata* could be a new species of *Pelycothorax* or a new genus for South America. (see photos of type, etc. [here](#))

About *P. dominicana* Cobos, it's not a *P.* (s. str.) because it has many special features and it's impossible to put it in a known subgenera.

The new species *P. (Nemaphorus) tamarugalis* Moore & Diéguez, lives in Tamarugo, on *Prosopis tamarugo* Phil. in the northern Chilean desert. It is a black species, like most of the American species. We are trying to put *P. excavata* in the *P. (Nemaphorus)* group, using more natural characteristics.

For all of that we need to study material and types of all the species and then decide the most natural possible grouping for them.

We enclose a list of the material we know or have studied ([PDF](#)).

Many thanks for your cooperation. I'll be hoping for your news.

cheers,

Tomás y Victor

specimens can be sent to:

Tomas Moore
El Vergel 2245, Depto. 28-D
Santiago - CHILE

email: tmoore@vtr.net

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C. REQUESTS FOR LITERATURE

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D. FORUM

I am very glad that I can introduce today a new book written by our colleague Shelley **Barker**. The title is: "*Castiarina* Australia's richest jewel beetle genus." For the first time we have a comprehensive work on this large genus represented by beautiful species.

The book is divided in the following chapters: Preface, Introduction, Distribution, Materials and Methods, Collectors, Structural specialisations in *Castiarina*, Mimicry in *Castiarina*, Conservation, Taxonomy, Acknowledgements, References and an appendix: Author & Illustrators and of course an Index of Names.

As one can see already from the chapters' titles every part of revision is treated, except a molecular based or cladistic analysis. I enjoyed reading the history of Australian buprestidology, starting with Joseph Banks of the James Cook expedition up to recent collectors (chapter: Collectors). The notes on mimicry paint a picture of environmental links, which underline the necessity of careful investigations in the field. Natural resource management and wildlife conservation is treated under Conservation. Unfortunately this topic becomes more and more importance.

The explanation of the structural specialisations in *Castiarina* is the basis to understand where there are differences in this genus and assist students of this group in the use of the keys. The chapter Taxonomy starts with a key to *Castiarina* species groups from where it leads to species keys. Detailed diagnostic features of each species, including information on the type, distribution and adult food plants, follow these. Unfortunately there is very little known about larval host plants consequently we are still missing information. But for the first time the descriptive part is accompanied by realistic colour renditions of every species and plates with the male genitalia photographs of nearly every species.

Now we do not have any longer an excuse not to determine the *Castiarina* in our collections. I am quite sure Shelley will be glad to hear the results of these investigations and we can give back data for a better knowledge of the Australian fauna.

It would mean to pour water into the ocean to recommend this book to you. It can be ordered by:

ABRS (Publications), GPO Box 787, Canberra ACT 2601 Australia. Email: abrs@deh.gov.au. Price: AUSS\$ 90.00.

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Sadahiro **Ohmomo** sent the following note:

I retired JIRCAS, Ministry of Agriculture, Forestry and Fisheries, Japan. From April (2006), please use following address and E-mail address to contact with me.

Dr. Sadahiro Ohmomo

Address: 1-chome 12-4, Sumiyoshi, Ami-machi, Inashiki-gun, Ibaraki-ken 300-1151, Japan

E-mail address: bupmomo@ruby.plala.or.jp

Best regards,

Sadahiro Ohmomo, Tsukuba, Japan

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Another letter came from Franco **Tassi**:

Rome, August 18th 2006

To all the Friends and Colleagues
Participants, Supporters and Sympathizers
BUPRESTONET MILLENNIUM MEETING

Dear Friends and Colleagues,

finally I am succeeding in recovering and trying to re-start some of my main activities, which were abruptly interrupted at the beginning of 2002 in Abruzzo National Park: a typical Italian plot (*coup = golpe*) occurring in a Kafkian climate, thanks to our well known political situation, in favour of real-estate developers, timber harvesters, hunters and poachers, low profile politicians and other vested interests, just at the moment I was in hospital for a delicate heart operation.

I beg your pardon for my long silence, hoping to be able to rescue papers, photos and collections, to publish interrupted proceedings and newsletters and to re-establish good relationships.

My struggle for re-installing all lost initiatives and resources is going on, according to the difficult procedures and very slow timing of national judiciary: I will be able to let you have more complete information about final results later on.

One of my first objectives is to complete and publish the Proceedings of many Conferences, Biodiversity Meetings, and Big Carnivores Groups Reports: among them, a special attention is paid to our 2000

Buprestonet Millennium Meeting, for which I can count on the precious help of my Italian Colleagues, and especially of Maurizio Gigli. He will get in touch with you on this subject very soon.

My best thanks for your attention and cooperation, you will receive more information at due time.

Best regards,

Professor Franco TASSI

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And finally there are two stories from Rick **Westcott**:

RICK'S RAMBLINGS, HAPPY WINTER HOLIDAYS 2005/2006

This year has been an eventful one for us, events both good and bad. During a weekend (March 12-13) at the beach, Kathy developed a strong urge to leave early Sunday. Well, that morning her mother died suddenly at home at the age of 81! It has been a rough year ever since, and of course especially so for Kathy's dad. He and Chelsea were married 61 years! He will be 84 on January 1! I think we have been back to the beach for only one weekend since. However, we had one exceptionally nice day trip there when our son, Derek, visited during early October. The weather was great, almost windless. We visited a couple of waterfalls on the way, including Munson Falls, near Tillamook, which is the highest falls (266 ft.) in the Coast Range. Afterwards we hunted agates on the beach, then stopped for dinner and brew at the Pelican Pub & Brewery in Cape Kiwanda. Their "Tsunami Stout" is delicious; it won gold medals this year in the U.S. and Australia.

In late May, Derek (from Seattle) and I flew to Salt Lake City, where we were met by our friend, Dale CHRISTENSON, for what seems to have become a yearly camping and photography outing to the Red Rock Country. As usual, we marveled over colorful and grotesque rock formations, slot canyons, petroglyphs and pictographs. The petroglyphs of the Hunters Panel were clearly the highlight in that category, but to reach them requires a long drive to seemingly nowhere. The same is true for the "Great Gallery", astounding pictographs in Canyonlands N. P. Check it out at <<http://www.nps.gov/cany/horseshoe/>> and be wowed. Other notables (and my favorites of the trip) were Little Wildhorse Canyon (slot) <http://www.outdoorutah.com/Articles/a_slot_hike.htm> and Goblin Valley <http://www.stateparks.utah.gov/park_pages/scenicparkpage.php?id=gvsp>. Dale and his wife, Sheila, live in Carefree, Arizona, and we returned there after being driven out of our last Utah destination at 4:30 a.m. by a rare early June storm (spawned from the Pacific Northwest, I think!): I don't know what was worse here, the storm or the no-see-ums the previous evening! Carefree living was nice; a great finish to the trip. Derek and I again enjoyed some good brew, this time at "Carlsbad Tavern" in Scottsdale.

Later in June, I visited Derek, and we did some hiking in the Cascades, notably to the beautiful and little known Perry Creek Falls. Few people get this view <<http://www.woodslore.org/perrycreek.htm>>, as it requires a steep bushwhack. Our beloved old (13-1/2) dog, Deeogee, led the way. This visit was my first and only long (well, sort of) road trip in my new car, a Toyota 'Echo', of which I took delivery at the end of April.

Unfortunately, I now share more bad news. Deeogee had been sneezing and snorting a fair amount, but nothing like what happened one night during our August visit to Moscow, Idaho. She was having trouble breathing, was wheezing, and this went on until we got her turned over. Nothing else seems wrong with her, and it still does not, but the sneezing and snorting got worse, until in October she expelled a strange glob. Kathy took it for analysis. Deeogee has nasal cancer. Kathy read that the general prognosis is a couple of months after diagnosis. So far, Deeogee has defied that. Perhaps the anti-inflammatory

medicine that was prescribed does more than “anti-inflame”. Her pharmacist thinks so. We shall see. Meanwhile, it looks like Derek will get to see his beloved old pooch at least one more time (for Christmas).

On September 1, a milestone was reached: Kathy retired! She has no regret whatsoever. However, she had a fear...she harbored it a long time: that I would start hanging around home more, be underfoot. Not to worry, I still go to “work” most every day. As I write this she and a friend are at a movie. No more alarm clock going off before 5 a.m. However, squeaky brakes on a school bus going down the street at 6:55 a.m. are her new alarm clock. Life of leisure. Deeogee appreciates it too, especially these cold days of winter.

In October, some friends and I traveled to Mexico, there to collect with a Mexican friend/colleague and one of his students on whose MS Committee I sit. And, quite literally, I did sit...at a Committee meeting. The primary goal of our trip was The “Los Tuxtlas” tropical biology station of the national university. This is five miles inland from Montepio, Veracruz, which area received a direct hit from Hurricane “Stan” just two-weeks prior to our arrival. The station had little damage, primarily from downed trees. We thought that would provide us with good collecting for woodboring beetles, but we were sorely mistaken. The collecting was very poor, at least from the standpoint of all but one of us. Thus are the dangers of specialization! However, the conditions were very comfortable, we were provided with good meals, and it was an interesting place to visit. Notably, this area is the northernmost range for howler monkeys. I heard them every day, but saw only one spider monkey!

During the first half of November, I flew to Carefee and again hooked up with Dale for another camping and photographic adventure. We started out in the lap of luxury, staying at a near-beachfront house in Puerto Peñasco, Sonora. The remainder of our time in Mexico was spent on the Baja California peninsula. The weather was quite good, for the most part, but a bit on the cool side (down to 42) some nights, and with heavy dew, on the Pacific side. The highlight of the trip was a visit to Malarrimo Beach <<http://www.oz.net/~geoffsi/baja20012002-web/Baja20012002-malarrimo.htm>>, which requires a 54-mile round trip jaunt on a road where one should not venture without 4-wheel drive.

Currently we are in the grip of a cool spell, the overnight low having dipped as far as 17, this (12/15) morning in Salem (though we were “only” 23 at the house. According to the forecast, this may go on for another week. Oh well, at least it is dry and we have had some nice sunny days. Some of you might even think it warm...but not me!

Happy holiDAZE! Have a Cule Yule, and a pleasant and prosperous 2006.

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A CAMPING ADVENTURE TO BAJA CALIFORNIA
by Rick WESTCOTT

During November 2005, I visited my old friend, Dale CHRISTENSON, and we went on a camping adventure to Baja California. It was a good trip, although I did not collect any beetles; only rocks, shells, and one little boojum. It was not the time of year for entomological endeavors, being too late for buprestid beetles except possibly in the Cape Region. We did not go there. We started the trip in luxury, stayed a couple of nights at Dale’s in-laws’ house near the beach in Puerto Peñasco, Sonora. The gringos call it “Rocky Point”, and one sees that all over on signs. It is just plain STUPID! “Puerto” does not mean point, and “Peñasco” does not mean rocky! Neither of us had been to that city. We don’t like it! There were lots and lots of shells on the beach, though. We had TV...and I even stole a bit of Drambuie — ha! The weather was quite comfortable, and I was surprised how the nights cooled off. I never turned on the ceiling fan in my bedroom.

We then returned to Sonoyta, just below the U.S. border, and took Hwy. 2 across to San Luis, which is still in Sonora. What a TERRIBLE town that is! We got a bit lost, and it is a good thing I know as much Spanish as I do. It was not all bad, however, as I found me a 6-pack of Negra Modelo beer! From San Luis we drove southwest through extensive agricultural lands (it is a wonder they do so well, since the U.S. takes most of the Colorado River water) and then on towards San Felipe. We camped at the base of

the Sierra Pinta, near an active mine. Beyond San Felipe (another “gringo village”), the notorious road from Puertecitos to join Hwy. 1 (the Transpeninsular Highway) has been much improved since the last time I was over it (1973!). Still, it is horribly washboarded and rocky most of the way. It drove Dale nuts. I don’t know what it might have done to his vehicle.

After taking so many trips on the peninsula, we finally found some new places to visit, and the highlight of our trip was a visit to the famous Malarrimo Beach (google it). It requires a 27-mile jaunt over a tertiary road where I would not venture without a 4 X 4. We had little difficulty in Dale’s 4Runner. On the way we went by a beautiful photogenic canyon. We saw nobody for two days...but we did see cows: they are everywhere! Also on the agenda was a drive all the way out on the Vizcaino peninsula to Punta Eugenia, northwest of Bahía Tortugas, where the elephant trees hug the ground, much more resembling octopuses than they do elephants. The road has been paved a good part of the way, and is a good graded road otherwise. It is accessed from Vizcaino, another heavily agriculturalized area thanks to the discovery of “fossil” water, which is about halfway between Guerrero Negro and San Ignacio. Incidentally, apparently there is only one bakery in Guerrero Negro (ones we had known appear to have gone out of business), but it is an excellent one. There I found some empanadas with guava paste filling...simply delicious! Usually they are filled with pineapple, though occasionally you will find them with *calabasa*, and that too is delicious. I do not have to go very far to find the latter, as a *panaderia* in Jefferson, near Salem, makes excellent ones. However, my favorite bakery item in Mexico remains the *pedra* (means “rock”). I found some delicious ones at a “Gigante” supermarket in Ensenada.

On our way north we camped near the turnoff to Bahía de Los Angeles, a beautiful spot replete with the vegetation that is so typical of the Central Desert region of Baja California. I love that area, with all its boojums, elephant trees, cacti and other strange plants. Nearer to the Pacific coast we had been experiencing quite heavy dew at night, but I did not expect it here. Wrong! At around 10 p.m., as the fire was no longer keeping me warm enough (it had dropped to 50° F or below), and heavy dew was about, I was moved to put up my tent. It amazed me how well I accomplished that with only the aid of my “Tikka” headlamp...I was motivated! Here, in the morning, we hunted about and found my “baby boojum”.

Our last night in Baja Calif. was spent at El Marmol, the abandoned onyx mine northwest of Cataviña. The onyx is beautiful and there are pieces of all shapes and sizes. Oh to be able to have some in our yard! Dale loaded several pieces into his 4Runner, and they will become part of his beautiful desert landscape. El Marmol was our coldest night, reaching 42° F, and the dew was quite heavy. This time I erected my tent well before dark! It was enjoyable camping in Baja California, but I prefer it at a time of year when there is more light in the evening. I did not like the dew, either, but it forced me to use my tent, which is more comfortable than the alternative.

Our last night camping was after we drove across the border at Tecate (after a 30+ minute wait) and on to El Centro for dinner, where I ate the only fish taco of the trip—go figure! We stopped around 9:30 or 10:00 p.m. near Mohawk (one of my historical collecting sites). It was a noisy place, with trains on both sides, trucks on the nearby dirt road, barking dogs and coyotes; and, in the morning, someone shooting repeatedly. From there we took back roads, some just farm roads, that more or less parallel I-8; and we visited the Painted Rocks petroglyphs, where the BLM has recently developed a nice interpretive area and camping/picnic site. It is an isolated small hill of volcanic rocks, many of which are densely “painted”...really very interesting. I was out of film at this point, but took a few photos with Dale’s camera.

I’ll be back—to both Baja California and Arizona!

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E. PUBLICATIONS

Akşit, T., I. Çakmak & F. Özsemerci. 2005. Some new xylophagus species on fig trees (*Ficus carica* cv. *Calymirna* L.) in Aydın, Turkey. Turkish Journal of Zoology 29:211-215.

Alexander, K. N. A. 2003. Provisional atlas of the Cantharoidea and Buprestoidea (Coleoptera) of Britain and Ireland. Huntingdon: Biological Records Centre. 81 pp.

- Alexeev**, N. A. 2002. Materialy po lichinkam zlatok tribi Psilopterini (Coleoptera, Buprestidae) [Materials of Psilopterini tribe larvae (Coleoptera, Buprestidae)]. Zoological Zhurnal 81(2):191-200. [in Russian with English summary].
- Alten**, R. L. 2005. Observations and field notes on the life history of *Juniperella mirabilis* Knull, 1947 (Coleoptera: buprestidae). The Pan-Pacific Entomologist 81(1/2):54-58.
- Arnáiz Ruiz**, L. & P. **Bercedo Páramo**. 2005. Dos nuevos Acmaeoderini Kerremans, 1893 para la fauna Ibérica (Coleoptera: Buprestidae). Boletín de la Sociedad Entomológica Aragonesa. N°:36:237-239.
- Arnáiz Ruiz**, L. & P. **Bercedo Páramo**. 2006. Biblioteca Entomológica. Fauna de Buprestidae de la Península Ibérica y Baleares. Antonio Verdugo. Boletín de la Sociedad Entomológica Aragonesa. N°:38:461-470.
- Arnáiz Ruiz**, L. & P. **Bercedo Páramo**. 2006a. Nota nomenclatural. Sobre la fecha de publicación de “Les Buprestides de France” de Léon Schaefer. On the date of the publication of “Les Buprestides de France” by Léon Schaefer. Boletín de la Sociedad Entomológica Aragonesa. N°:38:260.
- Arnáiz Ruiz**, L. & P. **Bercedo Páramo**. 2006b. Primera cita para la Península Ibérica de *Phaenops formaneki lavagnei* Théry, 1942 (Coleoptera: Buprestidae)”. Boletín de la Sociedad Entomológica Aragonesa. N°:38:287-289.
- Barker**, S. 2005. Nine new species of *Castiarina* Gory & Laporte, 1838 (Coleoptera: Buprestidae). Zootaxa 1062:57-68.
- Barker**, S. 2006. *Castiarina* Australia's richest jewel beetle genus. Australian Government. Department of the Environment and Heritage. ABRS (Publications) Canberra, 341 pp.
- Bellamy**, C. L. & M. G. **Volkovitsh**. 2005. Chapter 17. Buprestoidea Crowson, 1955. In: Beutel, R. G. & R. A. B. Leschen (eds.) Handbuch der Zoologie/Handbook of Zoology, Volume IV, Arthropoda: Insecta, Part 38. Coleoptera. Beetles. Volume 1: Morphology and Systematics. W. de Gruyter, Berlin, New York, 567 pp [pp. 461-468].
- Bellamy**, C. L. & T. **Moore Rodriguez**. 2006. A new replacement subgenus name in *Dactylozodes* Chevrolat, 1838 (Coleoptera: Buprestidae). The Pan-Pacific Entomologist 82(2): 160-165.
- Bellamy**, C. L. 2005a. Clarification of synonymy in three species of *Temognatha* Solier, 1833 (Coleoptera: Buprestidae). The Pan-Pacific Entomologist 81(1/2):99-100.
- Bellamy**, C. L. 2005b. The Philippine Coraebini Bedel, 1921 (Coleoptera: Buprestidae: Agrilini) Part 6: new and resurrected genera and new species. Zootaxa 1038:23-40.
- Bellamy**, C. L. 2006a. Studies on the Australian Chalcophorini: a new genus for *Chalcophora subfasciata* Carter, 1916 and a review of the *Pseudotaenia* Kerremans, 1903 generic-group (Coleoptera: Buprestidae). Zootaxa 1206:23-46.
- Bellamy**, C. L. 2006b. The systematic position of certain South American buprestid genera (Coleoptera: Buprestidae). The Coleopterists Bulletin 60(2):192-196.
- Bellamy**, C. L. 2006c. In Memoriam Gayle H. Nelson (1926-2005). The Pan-Pacific Entomologist 82(2): 115.
- Bellamy**, C. L. 2006d. A new subtribe for *Trichinorhipis* Barr, 1948 (Coleoptera: Buprestidae). The Pan-Pacific Entomologist 82(2): 139-143.
- Bellamy**, C. L. 2006e. A new species of *Acmaeodera* Eschscholtz, 1829 from Jamaica (Coleoptera: Buprestidae). The Pan-Pacific Entomologist 82(2): 250-257.
- Bernhard**, D., G. **Fritsch**, P. **Glöckner** & C. **Wurst**. 2005. Molecular insights into speciation in the *Agrilus viridis* – complex and the genus *Trachys* (Coleoptera: Buprestidae). European Journal of Entomology 102:599-605.
- Bíly**, S. & M. G. **Volkovitsh**. 2005. Larvae of Australian Buprestidae (Coleoptera). Part 3. Genera *Maoraxia* and *Anthaxoschema* with a revision of larval characters of known anthaxiine taxa. Folia Heyrovskyana. Serie A, 13(1-2): 29-48.

- Bílý, S. & R. L. Westcott.** 2005. A new species of *Agrilaxia* from Mexico, with notes on related species (Coleoptera: Buprestidae: Anthaxiini). *Folia Heyrovskyana* 13(1-2):1-6.
- Bílý, S.** 2004. A new species of the genus *Paratassa* Marseul, 1882 from Morocco (Coleoptera: Buprestidae: Paratassini). *Elytron* 17-18 (2003-2004):11-14.
- Bílý, S.** 2005. A revision of the subgenus *Thailandia* (Coleoptera: Buprestidae: *Anthaxia*). *Folia Heyrovskyana* 13(1-2):35-43.
- Bílý, S.** 2005a. Two new species of *Anthaxia* from Yemen (Coleoptera: Buprestidae). *Acta Entomologica musei nationalis Pragae* 45:65-70.
- Bílý, S.** 2006. Two new species in the *Anthaxia* (*Anthaxia*) *candens* (Panzer, 1793) species-group from Iran and Turkey, with taxonomic notes on the group (Coleoptera: Buprestidae). *Zootaxa* 1309:25-35.
- Bílý, S.** 2006a. *Philanthaxia nelsoni* sp. nov. from Indonesia (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 144-146.
- Bílý, S., G. Curletti & H.-P. Aberlenc.** 2006. Entomofauna of Vanikoro (Solomon Islands). Part 1. Introduction and Coleoptera: Buprestidae. *Folia Heyrovskyana. Serie A*, 13(4): 163-172.
- Corona, A. Ma. & J. J. Morrone.** 2005. Track analysis of the species of *Lampetis* (*Spinthoptera*) Casey, 1909 (Coleoptera: Buprestidae) in North America, Central America, and the West Indies. *Caribbean Journal of Science* 41(1):37-41.
- Curletti, G, H.-P., Aberlenc, H. Barrios & Y. Basset.** 2006. Progetto IBISCA in Panama: Considerazioni sul genere *Agrilus* Curtis, 1825. *Rivista Piemontese di Storia Naturale* 27:339-348.
- Curletti, G. & A. v. Harten.** 2004. A further contribution to the knowledge of the genus *Agrilus* Curtis (Coleoptera: Buprestidae) in Yemen. *Zoology in the Middle East* 32:69-73.
- Curletti, G. & G. Magnani.** 2006. Considerazioni su alcuni taxa appartenenti al gruppo di *Agrilus* (*Paralophotus*) *sordidans* Obenberger, 1931 (Coleoptera: Buprestidae). *Biocosme Mésogéen* 23(1):17-20.
- Curletti, G.** 2005. Notes about the genus *Agrilus* Curtis, 1825 in Panama. *Lambillionea* CV(4):545-571.
- Davidson, J. M. & J. P. Davidson.** 2005. Notes and comments on hosts, temporal distribution and behavior of Buprestidae from the sand dune environment in west Texas (Coleoptera). *The Pan-Pacific Entomologist* 81(1/2):34-40.
- Davidson, J. M.** 2006. A new species from southern California and taxonomic change in *Acameoderopsis* (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 213-222.
- Denton, J.** 2004. *Empicoris baehrungsprungi* (Dohrn) (Hem: Reduviidae), *Agrilus biguttatus* F. (Col: Buprestidae) and *Rhinocyllus conicus* Frölich (Col:Curculionidae) in Gloucestershire. *British Journal of Entomology and Natural History* 17:76.
- Gottwald, S. & M. Hornburg.** 2005. *Anthaxia podolica* Mannerheim, 1837 – neu für Brandenburg, nebst weiteren Bemerkungen zu einigen Prachtkäfern aus unserem Faunengebiet (Coleoptera: Buprestidae). *Märkische Entomologische Nachrichten* 7(2):103-108.
- Grove, S. & B. Yaxley.** 2004. A species of jewel beetle (Coleoptera: Buprestidae) new to Tasmania. *The Tasmanian naturalist* 126:29-30.
- Gutowski, J. M.** 2004. *Agrilus pseudocyanus* KIESENWETTER, 1857. Opietek białowieski. In: GLOWACINSKI, Z. & J. NOWACKI (eds.). Polish Red Data Book of Animals. Invertebrates [in Polish]. Inst. Ochrony Przyr. PAN, Kraków, Akademia Rolnicza, Poznan, 109-110 pp.
- Gutowski, J. M.** 2004. *Buprestis splendens* FABRICIUS, 1775. Bogatek wspaniały. In: GLOWACINSKI, Z. & J. NOWACKI (eds.). Polish Red Data Book of Animals. Invertebrates [in Polish]. Inst. Ochrony Przyr. PAN, Kraków, Akademia Rolnicza, Poznan, 107-109 pp.
- Gutowski, J. M.** 2004. *Buprestis splendens* FABRICIUS, 1775. Bogatek wspaniały [in Polish]. In: ADAMSKI, P., R. BARTEL, A. BERESZYNSKI, A. KEPPEL & Z. WITKOWSKI. (eds.). Gatunki zwierząt (z

wyjatkami ptaków). Poradniki ochrony siedlisk i gatunków Natura 2000 - podręcznik metodyczny. Ministerstwo Środowiska, Warszawa. Tom 6: 71-74.

Gutowski, J. M. 2004. *Eurythyrea quercus* (HERBST, 1780). Pysznik debowiec. In: GLOWACINSKI, Z. & J. NOWACKI (eds.). Polish Red Data Book of Animals. Invertebrates [in Polish]. Inst. Ochrony Przyr. PAN, Kraków, Akademia Rolnicza, Poznań, 106-107 pp

Gutowski, J. M. 2005. Bogatkowate (Buprestidae). In: Fauna of Poland - characteristics and checklist of species [in Polish]. Volume I. (eds. BOGDANOWICZ, W., E. CHUDZICKA, I. PILIPIUK, E. SKIBINSKA). MiIZ PAN, Warszawa, 2004, 114-118, 132-133.

Hattori, T. 2005. Studies on the Buprestidae (Coleoptera) of Asia. 6) A new species of the genus *Tokaranodicerca* from Amamiyoshima Is. of the Ryukyu Archipelago. *Elytra* 33(2):443-450.

Hespenheide, H. A. 2006. New species and new records of *Neotrachys* Obenberger, 1923, from Central America and the Antilles (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 223-241.

Holyński, R. B. 2003a. Systematic position of *Sommaia gibber* Tma. (Coleoptera: Buprestidae). *Annals of the Upper Silesian Museum (Entomology)* 12:5-14.

Holyński, R. B. 2003b. New subgenus and five new species of Agrilinae Cast. from the Indo-Pacific and Australian regions (Coleoptera: Buprestidae). *Annals of the Upper Silesian Museum (Entomology)* 12:15-27.

Holyński, R. B. 2003c. Punctuated equilibria from the point of view of an entomologist. *Annals of the Upper Silesian Museum (Entomology)* 12:29-35.

Holyński, R. B. 2005a. Philosophy of science from a taxonomist's perspective. *Genus* 16(4):469-502.

Holyński, R. B. 2005b. Taxonomical, zoogeographical and phylogenetical relations among Indo-Pacific *Dicerca* Esch. and *Poecilonota* Esch. (Coleoptera: Buprestidae). *Munis, Entomology & Zoology* 1(1):1-50.

ICZN. Opinion 2083. (Case 3205). 2004. *Cyphosoma* Mannerheim, 1837 (Insecta, Coleoptera): conserved. *Bulletin of Zoological Nomenclature* 61(3):188.

Jendek, E. 2006. Taxonomic and nomenclatural notes on the genera *Sarawakita* Obenberger and *Agrilus* Curtis (Coleoptera: Buprestidae: Agrilinae). *Zootaxa* 1153:33-42.

Jendek, E. 2006a. Two new genera of the subtribe Agrilina (Coleoptera: Buprestidae, Agrilinae). *The Pan-Pacific Entomologist* 82(2): 147-153.

Kalashian, M. Yu. & M. G. Volkovitsh. 2006. Two new species of the buprestid genus *Sphenoptera* Dejean (Coleoptera: Buprestidae) from Tajikistan and Iran. *Proceedings of the Russian Entomological Society St. Petersburg* 77:132-136.

Kalashian, M. Yu., M. G. Volkovitsh & M. Niehuis. 2005a. Taxonomic notes on some Palaearctic species of *Sphenoptera* from the subgenus *Chilostetha* (Coleoptera: Buprestidae). *Zoosystematica Rossica* 14(1): 77-86.

Kalashian, M. Yu., M. G. Volkovitsh & M. Niehuis. 2005b. Taxonomic notes on some Palaearctic species of *Sphenoptera* from subgenera *Deudora* and *Sphenoptera* s.str. (part) (Coleoptera: Buprestidae). *Zoosystematica Rossica* 14(1): 87-100.

Karagyan, G. H. & M. Yu. Kalashian. 2006. Morphological peculiarities of the male internal reproductive organs of jewel-beetles (Coleoptera, Buprestidae). *Euroasian entomological journal* 5(1):47-52. [in Russian].

Korotyaev, B. A., A. S. Konstantinov, S. W. Lingafelter, M. Y. Mandelshtam & M. G. Volkovitsh. 2005. Gall-inducing coleoptera- Pp. 239-271. In: **Raman, A., C. W. Schaefer & T. M. Withers** (eds.). *Biology. Ecology and evolution of gall-inducing arthropods*. Science Publishers, Inc., Enfield (NH), USA, Plymouth, UK. ? Pp.

Królik, R. & T. Janicki. 2005. *Agrilus scythius*, a new species from Ukraine (Coleoptera: Buprestidae). *Genus* 16(3):349-353.

- Lander**, T. 2003. Une surprenante variete de *Metaxymorpha* (Coleoptera: Buprestidae). *Lambillionea* 103:697.
- Lawson**, E. T., T. A. **Mousseau**, R. **Klaper**, M. D. **Hunter** & J. H. **Werren**. 2001. *Rickettsia* associated with male-killing in a buprestid beetle. *Heredity* 86:497-505.
- Lissak**, F. 2006. Kleine Mitteilungen 145. Wiederfund von *Scintillatrix rutilans* Fabricius, 1777 (Col., Buprestidae) auf der Mittleren Schwäbischen Alb. Mitteilungen des Entomologischen Vereins Stuttgart 41(1/2):152.
- MacRae**, T. C. 2006. Distributional and biological notes on North American Buprestidae (Coleoptera), with comments on variation in *Anthaxia* (*Haplantaxia*) *cyanella* Gory and *A. (H.) viridifrons* Gory. *The Pan-Pacific Entomologist* 82(2): 166-199.
- Makihara**, H. 2004. Biological notes on two buprestid beetles in East Kalimantan, Indonesia (Coleoptera, Buprestidae). *Gekkan-Mushi* 395:14-15 [in Japanese].
- Masada**, E. 2002. Records of food plants of adult of *Nipponobuprestis amabilis* (Snellen van Vollenhoven, 1864) (Coleoptera, Buprestidae). *Gekkan-Mushi* 380:28-35. [in Japanese].
- Masada**, E. 2003. Notes on food habit of *Anthaxia primorjensis* Obenberger. *Gekkan-Mushi* 392:30-31. [in Japanese].
- Mastro**, V. & R. **Reardon** (eds.). 2004. Emerald Ash Borer. Research and technology development meeting, Port Huron, Michigan, September 30 – October 1, 2003. Forest Health Technology Enterprise Team, Morgantown, West Virginia, 44 pp.
- Moore Rodriguez**, T. & T. **Lander**. 2004. Género y especie nuevas de la tribu Stigmoderini (Coleoptera: Buprestidae) en América. *Revista Chilena de Entomología* 30(1):17-19.
- Moore**, T. & V. M. **Diéguez**. 2006. A new genus for *Polycesta areolata* (Perty, 1830) (Coleoptera: Buprestidae: Polycestinae). *The Pan-Pacific Entomologist* 82(2):136-138.
- Muñoz Batet**, J., J. **Blasco Zumeta** & A. **Viñolas**. 2003. Nuevas aportaciones a la corología de los buprestidos Ibéricos y de las Islas Baleares (Coleoptera: Buprestidae). *Boletín de la Sociedad Entomológica Aragonesa*. N°32:161-167.
- Murria Beltrán**, F. & A. **Murria Beltrán**. 2005a. Los buprestidos (Coleoptera: Buprestidae) de la Comunidad Autónoma de Aragón (España). *Catalogus de la Entomofauna Aragonesa*. 33:3-26.
- Nadai**, J. de, N. dos **Anjos**, R. **Molinário de Souza** & R. **Diniz Silveira**. 2005. Dimorfismo sexual em *Lampetis* spp. (Coleoptera: Buprestidae). *Acta Biologica Leopoldensia* 27(1):43-46.
- Nelson**, G. H. 2006. *Neoargante* Nelson, a replacement name for *Argante* Gistel (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 272.
- Nylander**, U. 2006a. The New Guinean species of the genus *Castiarina*. *Lambillionea* 106(2) (Supplément II):3-14.
- Nylander**, U. 2006b. Description of a new species of *Calodema* (Gory & Laporte, 1838) from Milne Bay Province, Papua New Guinea. *Lambillionea* 106(2):303-305.
- Ohmomo**, S. 2004. Informations of insects from Thailand (Part 5). *Otoshibumi*, Tsukuba 24:53-59. [in Japanese with English summary].
- Ohmomo**, S. 2005a. Four new Asian species of the genus *Ovalisia* (Coleoptera: Buprestidae). *Entomological Review of Japan* 60(2):227-234.
- Ohmomo**, S. 2005b. Buprestid beetles (Coleoptera: Buprestidae), new to Japanese fauna (Part 3). *Entomological Review of Japan* 60(2):235-242.
- Ohmomo**, S. 2006. Buprestid beetles new to the Japanese fauna: Part 4 (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 242-249.
- Özdikmen**, H. 2006. A new replacement name for *Castaliella* Cobos, 1981 (Coleoptera: Buprestidae). *The Pan-Pacific Entomologist* 82(2): 273.

- Petrakis**, P. V. 2004. Space allocation in *Melanophila knoteki knoteki* (Reitt.) var. *hellenica* (Obenberger) (Col., Buprestidae) in the attack of Greek fir (*Abies cephalonica* Loud. var. *graeca* (Fraas) Liu): A pattern to process approach. *Journal of Applied Entomology* 128(1):70-80.
- Picot Manuel**, M. 2003. *Julodis onopordi* ssp. *sommeri*: Evolution des populations en France et synthèse des connaissances. *Bulletin de la Société Linnéenne de Provence* 54 :69-79.
- Räuschl**, G. 2002. Biotop-Management in der Wachau (Niederösterreich): *Poecilonota variolosa* – eine Rarität als Graspfleger der Landschaft (Coleoptera: Buprestidae). *Beiträge zur Entomofaunistik* 3:189-190.
- Sakalian**, V. & M. **Langourov**. 2004. Colour traps a method for distributional and ecological investigations of Buprestidae (Coleoptera) *Acta Societatis Zoologicae Bohemicae* 68:53-59.
- Sakalian**, V. P. 2004. Contribution to the knowledge of the jewel beetles (Coleoptera: Buprestidae) of the Balkan Peninsula. I. *Acta Zoologica Bulgarica* 56(2):175-179.
- Sánchez Sobrino**, M. & L. **Tolosa Sánchez**. 2003. *Agrilus* (*Anambus*) *albogularis* ssp. *perisi* Cobos, 1986 y *Sphenoptera* (*Chilostetha*) *bedeli* Abeille, 1909, dos buprestidos endémicos de la península Ibérica (Coleoptera: Buprestidae). *Boletín de la Sociedad Entomológica Aragonesa*. N°. 32:249-250.
- Sánchez Sobrino**, M. A. & L. **Tolosa Sánchez**. 2005. *Agrilus* (s.str.) *ibericus* sp. n. de la fauna Española (Coleoptera: Buprestidae). *Boletín de la Sociedad Entomológica Aragonesa*. N°. 37:99-102.
- Smith**, B. J., C. **Reid** & T. **Gordon**. 2004. Rediscovery of the Miena jewel beetle (*Castiarina insculpta* Carter, 1934), formerly listed as extinct. *The Tasmanian naturalist* 126:31-34.
- Verdugo Paez**, A. 2003. Contribución a un mejor conocimiento de los buprestidos Ibéricos (Coleoptera, Buprestidae). *Boletín de la Sociedad Entomológica Aragonesa*. N°.32:197-200.
- Volkovitsh**, M. G. 2004b. Comments on the proposed precedence of the specific names *Acmaeodera oaxacae* Fisher, 1949 and *Polycesta deserticola* Barr, 1974 (Insecta, Coleoptera) over those of *Acmaeodera philippinensis* Obenberger, 1924 and *Polycesta aruensis* Obenberger, 1924 respectively. Case 3257. *Bulletin of Zoological Nomenclature* 61(1):46.
- Volkovitsh**, M. G. 2004c. Comments on the proposed conservation of *Lius* Deyrolle, 1865 (Insecta, Coleoptera). Case 3194. *Bulletin of Zoological Nomenclature* 61(1):46.
- Volkovitsh**, M. G. 2005. *Acmaeodera* (*Acmaeodera*) *lopatini* sp. n. – New species of buprestidae (Coleoptera) from Kyrgyzstan. Pp. 357-363. In: **Konstantinov**, **Tishechkin** & **Penev** (eds.). Contribution to systematics and biology of beetles. Papers celebrating the 80th birthday of Igor Konstantinovich Lopatin. Pensoft Publishers, Sofia, Moscow. ?? pp.
- Volkovitsh**, M. G. 2006. A new subgenus and a new species of the buprestid tribe Acmaeoderini (Coleoptera: Buprestidae: Polycestinae) from the Palaearctic and Oriental regions. *Proceedings of the Russian Entomological Society St. Petersburg* 77:34-43.
- Walters**, JR. G. C., R. L. **Westcott**, S. G. **Wellso**, J. M. **Cicero**, T. C. **MacRae** & C. L. **Bellamy**. 2006. Gayle H. Nelson (1926-2005): Biography and memories. *The Pan-Pacific Entomologist* 82(2):116-135.
- Wellso**, S. G. & J. A. **Jackman**. 2006. A new species of *Anthaxia* (*Haplanthaxia*) Reitter (Coleoptera: Buprestidae) and new North American buprestid distributional and host records. *The Pan-Pacific Entomologist* 82(2): 262-268.
- Westcott**, R. L. & R. L. **Alten**. 2006. A new species of *Eriogonum*-feeding *Chrysobothris* Eschscholtz, 1829 (Coleoptera: Buprestidae) from Utah and California. *The Pan-Pacific Entomologist* 82(2): 208-212.
- Westcott**, R. L. 2005. A new species of *Chrysobothris* Eschscholtz from Oregon and Washington, with notes on other Buprestidae (Coleoptera) occurring in the United States and Canada. *Zootaxa* 1044:1-15.
- Westcott**, R. L. 2005. Correct year of publication for Hatch, Beetles of the Pacific Northwest, parts III and V. *Coleopterists Bulletin* 59(2):166.

Westcott, R. L. 2006. Buprestidae (Coleoptera) of the West Indies: a new species of *Spectralia* Casey and notes on *Acmaeodera* Eschscholtz, *Chrysobothris* Eschscholtz and *Peronaemis* Waterhouse. The Pan-Pacific Entomologist 82(2): 154-159.

Westcott, R. L., J. R. **LaBonte**, G. L. **Parsons** & P. J. **Johnson**. 2006. New records and other notes for Oregon Coleoptera. Zootaxa 1142:1-33.

Yoshikawa, K. & Y. **Nagahata**. 2002. Notes on *Nipponobuprestis amabilis* (Coleoptera, Buprestidae) in Yamagata, Japan. Gekkan-Mushi 380:36-37. [in Japanese].

Zuzarte, A., A. R. M. **Serrano**, M. **Boeiro** & C. **Aguiar**. 2001. Contribuição para o conhecimento dos Buprestídeos (Coleoptera, Buprestidae) de Portugal. Boletim da Sociedade Portuguesa de Entomologia, Vol. VII-15, nº 197:169-178.

F. NEW TAXA

(In the first column the name, author, year of publication and page number of the new taxon is shown; the second column indicates the type locality, state and province; and the third column the collection where the type is deposited)

In BUPRESTIS 45 I did not include the taxonomic and nomenclatural changes of Edo Jendek's paper (Jendek, E. 2005. Taxonomic and nomenclatural notes on the genus *Agrilus* Curtis (Coleoptera: Buprestidae: Agrilini). Zootaxa 1073:1-29.), these changes are added here.

Abbreviations:

CASC	California Academy of Sciences, San Francisco/U.S.A.
CBHG	Fritz Brechtel collection, Knittelsheim/Germany
CSCA	California State Collection of Arthropods, Sacramento/U.S.A.
EJCB	Eduard Jendek collection, Bratislava/Slovakia
GMCC	Gianluca Magnani collection, Cesena/Italy
INBC	Instituto Nacional de Biodiversidad, Santo Domingo de Heredia/Costa Rica
ISEK	Institute of Systematic and Evolution of Animals, Kraków/Poland
IZCAS	Institute of Zoology, Chinese Academy of Sciences; Beijing/China
KBIN	Koninklijk Belgisch Instituut voor Natuurwetenschappen, Bruxelles/Belgium
MCCI	Museo Civico di Storia Naturale, Carmagnola/Italy
MHCF	M. Hudson collection, Florida/U.S.A.
MNHN	Muséum national d'Histoire naturelle, Paris/France
NMPC	Narodni Muzeum, Praha/Czech Republic
NSMT	National Science Museum (Nat.Hist.), Tokyo/Japan
SAMA	South Australian Museum, Adelaide/Australia
SBPC	Svatopluk Bílý collection, Prague/Czech Republic
TICP	TAMMIN, Insecta collection, Brno/Czech Republic
TLCG	Thierry Lander collection, Geneve/Switzerland
TLCS	Thierry Lander collection, Geneve/Switzerland
TSCZ	Tolosa Sánchez collection, Zaragoza/Spain
UNAM	Universidad Nacional Autónoma, Mexico/Mexico
UNCV	Ulf Nylander collection, Valbo/Sweden
USNM	United States National Museum of Natural History, Smithsonian Institution, Washington D.C./U.S.A.
ZIN	Zoological Institute, Russian Academy of Sciences, St.Petersburg/Russia

New species and subspecies

2004

<i>Agrilus (Bubagrilus) brechteli</i> Curletti & van Harten, 2004	Yemen	CBHG
<i>Agrilus (Diplolophotus) galiberti levantinus</i> Curletti & van Harten, 2004	Yemen	MCCI
<i>Agrilus (Robertius) kettneri</i> Curletti & van Harten, 2004	Yemen	MCCI

<i>Paratassa agadeziaca</i> Bílý, 2004	Morocco	NMPC
<i>Semiognatha sainvali</i> Moore & Lander, 2004	Brasil	TLCG
2005		
<i>Acmaeodera (Acmaeodera) lopatini</i> Volkovitsh, 2005	Kyrgyzstan	ZIN
<i>Agrilaxia alticola</i> Bílý & Westcott, 2005	Mexico	UNAM
<i>Agrilus (Agrilus) adinocephalus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) atlanticus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) baili</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) bothrops</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) centunculus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) cizeki</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) colonicus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) faganae</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) hectori</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) incredulus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) ingae</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) melanocerus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) metropolitanus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) odegardi</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) perososo</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) rossanae</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) rufuscapite</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) schmidli</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) tynnanthi</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) unus</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) viridiaeris</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (Agrilus) yvesi</i> Curletti, 2005	Panama	MCCI
<i>Agrilus (s.str.) ibericus</i> Sánchez Sobrino & Tolosa Sánchez, 2005	Spain	TSCZ
<i>Agrilus komareki emisi</i> Ohmomo, 2005b	Japan	NSMT
<i>Agrilus makiharai</i> Ohmomo, 2005b	Japan	NSMT
<i>Agrilus melanolucidus</i> Ohmomo, 2005b	Japan	NSMT
<i>Agrilus scythicus</i> Krolík & Janicki, 2005	Ukraine	ISEK
<i>Anthaxia (Haplanthaxia) crotonivora</i> Bílý, 2005a	Yemen	NMPC
<i>Anthaxia (Haplanthaxia) kabateki</i> Bílý, 2005a	Yemen	NMPC
<i>Anthaxia (Thailandia) siamensis</i> Bílý, 2005	Thailand	NMPC
<i>Anthaxia (Thailandia) svobodai</i> Bílý, 2005	Thailand	NMPC
<i>Brachycoraebus basilanensis</i> Bellamy, 2005b	Phillipines	USNM
<i>Brachycoraebus mindanaoensis</i> Bellamy, 2005b	Phillipines	USNM

<i>Brachycoraebus minutus</i> Bellamy, 2005b	Phillipines	USNM
<i>Castiarina allensundholmi</i> Barker, 2005	Australia	SAMA
<i>Castiarina jacki</i> Barker, 2005	Australia	SAMA
<i>Castiarina keyzeri</i> Barker, 2005	Australia	SAMA
<i>Castiarina lycida</i> Barker, 2005	Australia	SAMA
<i>Castiarina macarthuri</i> Barker, 2005	Australia	SAMA
<i>Castiarina michaelpowelli</i> Barker, 2005	Australia	SAMA
<i>Castiarina purcellae</i> Barker, 2005	Australia	SAMA
<i>Castiarina setifera</i> Barker, 2005	Australia	SAMA
<i>Castiarina suehasenpushae</i> Barker, 2005	Australia	SAMA
<i>Chrysobothris eriogoni</i> Westcott, 2005	USA	CASC
<i>Dicerca</i> (s.str.) <i>corrugata thibetana</i> Holynski, 2006b	China	KBIN
<i>Lumawigia gibbicephala</i> Bellamy, 2005b	Phillipines	USNM
<i>Ovalisia</i> (Palmar) <i>pseudovirgata</i> Ohmomo, 2005a	Taiwan	NSMT
<i>Ovalisia</i> (Palmar) <i>shirozui</i> Ohmomo, 2005a	Taiwan	NSMT
<i>Ovalisia</i> (Poecilisia) <i>saitohi</i> Ohmomo, 2005a	Philippines	NSMT
<i>Ovalisia</i> (Zykovisia) <i>kunioi</i> Ohmomo, 2005a	Vietnam	NSMT
<i>Philppscelus panayensis</i> Bellamy, 2005b	Phillipines	TLCS
<i>Sibuyanella boudanti</i> Bellamy, 2005b	Phillipines	CSCA
<i>Sibuyanella mimica</i> Bellamy, 2005b	Phillipines	CSCA
<i>Tokaranodicerca shimonoii</i> Hattori, 2005	Japan	NSMT

2006

<i>Acmaeodera</i> (<i>Loepotethya</i>) <i>tibetica</i> Volkovitsh, 2006	China	IZCAS
<i>Acmaeodera</i> (<i>Medvedevera</i>) <i>burmanica</i> Volkovitsh, 2006	Myanmar	TICB
<i>Acmaeodera obrienorum</i> Bellamy, 2006e	Jamaica	CSCA
<i>Acmaeoderella</i> (<i>Carininota</i>) <i>medvedevi</i> Volkovitsh, 2006	China	TICB
<i>Acmaeoderella</i> (<i>Euacmaeoderella</i>) <i>holocyanea</i> Volkovitsh, 2006	Morocco	SBPC
<i>Acmaeoderopsis prosopis</i> Davidson, 2006	U.S.A.	CSCA
<i>Agrilus</i> (<i>Agrilus</i>) <i>funebri vanikorensis</i> Bílý, Curletti & Aberlenc, 2006	Solomon Isl.	MNHN
<i>Agrilus</i> (<i>Paralophotus</i>) <i>uromastix</i> Curletti & Magnani, 2006	Algeria	GMCC
<i>Agrilus</i> (<i>Wallaceilus</i>) <i>papua</i> Holynski, 2006	New Guinea	NMPC
<i>Agrilus nelsonodaimio</i> Ohmomo, 2006	Japan	NSMT
<i>Agrilus tsutsumiuchii</i> Ohmomo, 2006	Japan	NSMT
<i>Anthaxia</i> (<i>Anthaxia</i>) <i>jenisi</i> , Bílý, 2006	Iran	NMPC
<i>Anthaxia</i> (<i>Anthaxia</i>) <i>pyrosoma</i> , Bílý, 2006	Turkey	NMPC
<i>Anthaxia</i> (<i>Haplanthaxia</i>) <i>carya</i> , Wellso & Jackman, 2006	U.S.A.	USNM
<i>Calodema vicksoni</i> Nylander, 2006b	Papua New Guinea	MHCF
<i>Castiarina holynskii</i> Nylander, 2006a	Papua New Guinea	UNCV

<i>Castiarina shelleybarkeri</i> Nylander, 2006a	Papua New Guinea	UNCV
<i>Chrysobothris nelsoni</i> Westcott & Alten, 2006	U.S.A.	CASC
<i>Dorochoviella kunashirensis</i> Jendek, 2006a	Russia	ZIN
<i>Endelus carteri</i> Hołyński, 2006	Australia	NMPC
<i>Habroloma glyphica</i> Hołyński, 2006 originally described as <i>Trachys</i> (<i>Habroloma</i>) <i>glyphica</i> sp.n., but as <i>Habroloma</i> is still treated as valid genus I list it as <i>Habroloma</i> (Hans Mühle)	New Guinea	NMPC
<i>Habroloma</i> (<i>Parahabroloma</i>) <i>gnoma</i> Hołyński, 2006 originally described as <i>Trachys</i> (<i>Parahabroloma</i>) <i>gnoma</i> sp.n., but as <i>Parahabroloma</i> is still treated as subgenus to <i>Habroloma</i> I list it under <i>Habroloma</i> (Hans Mühle)	New Guinea	NMPC
<i>Habroloma</i> (<i>Parahabroloma</i>) <i>minotaurus</i> Hołyński, 2006 originally described as <i>Trachys</i> (<i>Parahabroloma</i>) <i>gnoma</i> sp.n., but as <i>Parahabroloma</i> is still treated as subgenus to <i>Habroloma</i> I list it under <i>Habroloma</i> (Hans Mühle)	China	NMPC
<i>Maoraxia borgeoisi</i> Bílý, Curletti & Aberlenc, 2006	Solomon Isl.	NMPC
<i>Nelsonagrilus bambula</i> Jendek, 2006a	Laos	EJCB
<i>Nelsonagrilus suzannae</i> Jendek, 2006a	Indonesia	EJCB
<i>Nelsonagrilus typicus</i> Jendek, 2006a	Laos	EJCB
<i>Neotrachys andrewsi</i> Hespenheide, 2006	Costa Rica	INBC
<i>Neotrachys bellamyi</i> Hespenheide, 2006	Panama	USNM
<i>Neotrachys chiriquiensis</i> Hespenheide, 2006	Panama	USNM
<i>Neotrachys cuprascens</i> Hespenheide, 2006	Costa Rica	INBC
<i>Neotrachys mariae</i> Hespenheide, 2006	Costa Rica	INBC
<i>Neotrachys nelsoni</i> Hespenheide, 2006	Panama	USNM
<i>Neotrachys refulgens</i> Hespenheide, 2006	Costa Rica	INBC
<i>Neotrachys solisi</i> Hespenheide, 2006	Costa Rica	INBC
<i>Philanthaxia nelsoni</i> Bílý, 2006a	Indonesia	NMPC
<i>Spectralia nelsoni</i> Westcott, 2006	Virgin Islands	USNM
<i>Sphenoptera</i> (<i>Chrysoblemma</i>) <i>medvedevi</i> Kalashian & Volkovitsh, 2006	Tajikistan	ZIN
<i>Sphenoptera</i> (<i>Sphenopterella</i>) <i>vlastae</i> Kalashian & Volkovitsh, 2006	Iran	NMPC

New subgenus

2004

<i>Medvedevera</i> Volkovitsh, 2006	type species: <i>Acmaeodera</i> (<i>Medvedevera</i>) <i>burmanica</i> Volkovitsh, 2006
<i>Nelsonozodes</i> Bellamy & Moore, 2006	type species: <i>Stigmodera conjunctus</i> Chevrolat, 1838
<i>Wallaceilus</i> Hołyński, 2006	type species: <i>Agrilus scutellaris</i> Deyrolle, 1864

New genus

2004

<i>Semiognatha</i> Moore & Lander, 2004	type species: <i>Semiognatha sainvali</i> Moore & Lander, 2004
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2005

<i>Lumawigia</i> Bellamy, 2005b	type species: <i>Lumawigia gibbicephala</i> Bellamy, 2005b
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Zoolrecordia Holynski, 2005b type species: *Dicercomorpha cupreomaculata* Saunders, 1867

2006

Dorochoviella Jendek, 2006a type species: *Dorochoviella kunashirensis* Jendek, 2006a

Nelsonagrilus Jendek, 2006a type species: *Nelsonagrilus typicus* Jendek, 2006a

Tyndarimorpha Moore & Diéguez, 2006 type species: *Buprestis areolata* Perty, 1830

New subtribe

2006

Trichinorhipidina Bellamy, 2006d type genus: *Trichinorhipis* Barr, 1948

G. Nomenclatural changes

Synonyma (the second name is the valid one)

2005

Acmaeodera bouvieri Kerremans, 1906 = *Acmaeodera haemorrhoea* LeConte, 1858 Westcott, 2005

Acmaeodera thoracica Kerremans, 1910 = *Acmaeodera solitaria* Kerremans, 1897 Westcott, 2005

Agrilus afghanistanicus Alexeev, 1992 = *Agrilus decoloratus decoloratus* Kerremans, 1892 Jendek, 2005

Agrilus agilis Kerremans, 1894 = *Agrilus cyanipennis* Gory & Laporte, 1837 Jendek, 2005

Agrilus amabilicolor Obenberger, 1936 = *Agrilus cyanipennis* Gory & Laporte, 1837 Jendek, 2005

Agrilus araxicola Abeille de Perrin, 1897 = *Agrilus moerens* Saunders, 1873 Jendek, 2005

Agrilus barmensis Obenberger, 1936 = *Agrilus erythrosticktus* Bourgoin, 1922 Jendek, 2005

Agrilus beppuensis Obenberger, 1936 = *Agrilus marginicollis* Saunders, 1873 Jendek, 2005

Agrilus bidentellus Obenberger, 1924 = *Agrilus ocellaris* Deyrolle, 1864 Jendek, 2005

Agrilus cairnsensis Curletti, 2001 = *Agrilus cairnensis* Obenberger, 1959 Jendek, 2005

Agrilus chalybaeus Deyrolle, 1864 = *Agrilus tricolor* Deyrolle, 1864 Jendek, 2005

Agrilus conjectus Obenberger, 1936 = *Agrilus confusus* Obenberger, 1936 Jendek, 2005

Agrilus csikii Gebhardt, 1925 = *Agrilus dignus* Kerremans, 1912 Jendek, 2005

Agrilus cyaneoniger melanopterus Solsky, 1875 = *Agrilus cyaneoniger* Saunders, 1873 Ohmomo, 2005b

Agrilus davaoensis Fisher, 1921 = *Agrilus vilis* Saunders, 1874 Jendek, 2005

Agrilus falsulus Obenberger, 1924 = *Agrilus adonis* Deyrolle, 1864 Jendek, 2005

Agrilus friwaldskyi Marseul, 1866 = *Agrilus turcicus* Marseul, 1866 Jendek, 2005

Agrilus gracilicornis Ganglbauer, 1890 = *Agrilus ecarinatus* Marseul, 1866 Jendek, 2005

Agrilus hainesi Hespeneheide, 1974 = *Agrilus (Agrilus) jenningsi* Fisher, 1938 Curletti, 2005

Agrilus japanensis Obenberger, 1935 = *Agrilus convergens* Fisher, 1930 Jendek, 2005

Agrilus kabakovi Alexeev, 1992 = *Agrilus monogrammus* Thomson, 1879 Jendek, 2005

Agrilus kayan Fisher, 1930 = *Agrilus dignus* Kerremans, 1912 Jendek, 2005

Agrilus kinoshitae Obenberger, 1936 = *Agrilus sospes* Lewis, 1893 Jendek, 2005

Agrilus komiyai Toyama, 1987 = *Agrilus seladon* Obenberger, 1940 Jendek, 2005

Agrilus kumamotoi Toyama, 1987 = *Agrilus subrobustus* Saunders, 1873 Jendek, 2005

<i>Agrilus kurosawai</i> Obenberger, 1940 = <i>Agrilus fleischeri</i> Obenberger, 1925	Jendek, 2005
<i>Agrilus laeticeps</i> Semenov, 1890 = <i>Agrilus angustulus</i> (Illiger, 1803)	Jendek, 2005
<i>Agrilus lama</i> Obenberger, 1935 = <i>Agrilus quadrisignatus</i> Marseul, 1866	Jendek, 2005
<i>Agrilus lasiolus</i> Obenberger, 1935 = <i>Agrilus ussuricola</i> Obenberger, 1924	Jendek, 2005
<i>Agrilus legitimus</i> Obenberger, 1936 = <i>Agrilus birmanicus</i> Kerremans, 1892	Jendek, 2005
<i>Agrilus nepos</i> Kerremans, 1900 = <i>Agrilus albopunctatus</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus ohbayashii</i> Toyama, 1987 = <i>Agrilus acastus</i> Kerremans, 1913	Jendek, 2005
<i>Agrilus opulentus</i> Kerremans, 1900 = <i>Agrilus maculiventris</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus ornativentris</i> Saunders, 1866 = <i>Agrilus cyanipennis</i> Gory & Laporte, 1837	Jendek, 2005
<i>Agrilus perniciosus</i> Obenberger, 1924 = <i>Agrilus perniciosus</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus pisanus</i> Curletti, 1980 = <i>Agrilus paganettii</i> Obenberger, 1913	Jendek, 2005
<i>Agrilus punctiventris</i> Kerremans, 1900 = <i>Agrilus discicollis</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus quadristictulus</i> Obenberger, 1940 = <i>Agrilus sospes</i> Lewis, 1893	Jendek, 2005
<i>Agrilus roswitha</i> Bellamy, 2003 = <i>Agrilus viridicaerulans rubi</i> Schaefer, 1937	Jendek, 2005
<i>Agrilus semivittatus</i> Toyama, 1985 = <i>Agrilus chekiangensis</i> Gebhardt, 1929	Jendek, 2005
<i>Agrilus serbicus</i> Obenberger, 1927 = <i>Agrilus croaticus</i> Abeille de Perrin, 1897	Jendek, 2005
<i>Agrilus singaporensis</i> Obenberger, 1924 = <i>Agrilus perviridis</i> Kerremans, 1894	Jendek, 2005
<i>Agrilus subperniciosus</i> Obenberger, 1936 = <i>Agrilus perniciosus</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus subpubescens</i> Fisher, 1921 = <i>Agrilus viridanus</i> (Kerremans, 1900)	Jendek, 2005
<i>Agrilus tscherepanovi</i> Stepanov, 1954 = <i>Agrilus fleischeri</i> Obenberger, 1925	Jendek, 2005
<i>Agrilus viridissimus</i> Cobos, 1964 = <i>Agrilus maculiventris</i> Deyrolle, 1864	Jendek, 2005
<i>Agrilus woodlarkianus</i> Kerremans, 1900 = <i>Agrilus maculiventris</i> Deyrolle, 1864	Jendek, 2005
<i>Sphenoptera (Chilostetha) aestivalis</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) basalis basalis</i> Morawitz, 1861	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) arcas</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) basalis basalis</i> Morawitz, 1861	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) arethusa</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) basalis basalis</i> Morawitz, 1861	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) balthasari</i> Obenberger, 1928 = <i>Sphenoptera (Chilostetha) popovi</i> Mannerheim, 1852	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) belenois</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) insidiosa</i> Mannerheim, 1852	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) blatnyi</i> Obenberger, 1926 = <i>Sphenoptera (Chilostetha) syriaca</i> Jakovlev, 1908	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) calosoma</i> Obenberger, 1926 = <i>Sphenoptera (Chilostetha) syriaca</i> Jakovlev, 1908	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) carinivertex</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) basalis basalis</i> Morawitz, 1861	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) cataonia</i> Obenberger, 1926 = <i>Sphenoptera (Chilostetha) puberula</i> Jakovlev, 1887	Kalashian et al., 2005a
<i>Sphenoptera (Chilostetha) chankae</i> Obenberger, 1952 = <i>Sphenoptera (Chilostetha) basalis basalis</i> Morawitz, 1861	Kalashian et al., 2005a

- Sphenoptera (Chilostetha) chariessa* Obenberger, 1920 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) comita* Obenberger, 1952 = *Sphenoptera (Chilostetha) laportei* Saunders, 1871 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) damascena* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta cauta* Jakovlev, 1904 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) diffusa* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) divnogorskii* Obenberger, 1952 = *Sphenoptera (Chilostetha) canescens canescens* Motschulsky, 1860 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) dryadis* Obenberger, 1926 = *Sphenoptera (Chilostetha) cauta cauta* Jakovlev, 1904 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) elisa* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) erratrix* Obenberger, 1920 = *Sphenoptera (Chilostetha) insidiosa* Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) flora* Obenberger, 1952 = *Sphenoptera (Chilostetha) canescens eximia* Jakovlev, 1886 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) forceps* Jakovlev, 1908 = *Sphenoptera (Chilostetha) insidiosa* Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) hero* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) improbula* Obenberger, 1952 = *Sphenoptera (Chilostetha) insidiosa* Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) inderiensis* Obenberger, 1926 = *Sphenoptera (Chilostetha) puberula* Jakovlev, 1887 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) iphis* Obenberger, 1952 = *Sphenoptera (Chilostetha) insidiosa* Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) jagdievi* Alexeev, 1979 = *Sphenoptera (Chilostetha) vestita* Jakovlev, 1887 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) karavajevi* Obenberger, 1952 = *Sphenoptera (Chilostetha) canescens eximia* Jakovlev, 1886 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) laevigatula* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) maja* Jakovlev, 1908 = *Sphenoptera (Chilostetha) cauta cauta* Jakovlev, 1904 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) nogaica* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) oeneis* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta cauta* Jakovlev, 1904 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) permixta* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) persephone* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis* Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) petriceki* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta cauta* Jakovlev, 1904 Kalashian et al., 2005a

- Sphenoptera (Chilostetha) phoebia* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) phyllis* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) pseudoforceps* Obenberger, 1952 = *Sphenoptera (Chilostetha) insidiosa*
Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) rauda* Jakovlev, 1908 = *Sphenoptera (Chilostetha) puberula* Jakovlev, 1887
Kalashian et al., 2005a
- Sphenoptera (Chilostetha) sareptana* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) seriatosetosa* Obenberger, 1926 = *Sphenoptera (Chilostetha) puberula*
Jakovlev, 1887 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) shansiana* Obenberger, 1952 = *Sphenoptera (Chilostetha) insidiosa*
Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) subcylindrica* Marseul, 1865 = *Sphenoptera (Chilostetha) insidiosa*
Mannerheim, 1852 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) sublica* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) trebinjensis* Obenberger, 1916 = *Sphenoptera (Chilostetha) substriata*
Krynicky, 1834 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) urania* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) ussuriensis* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta palea*
Obenberger, 1952 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) verecunda* Obenberger, 1952 = *Sphenoptera (Chilostetha) jugoslavica*
Obenberger, 1926 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) vernalis* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis basalis*
Morawitz, 1861 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) xantho* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta palea*
Obenberger, 1952 Kalashian et al., 2005a
- Sphenoptera (Chilostetha) zubaci* Obenberger, 1952 = *Sphenoptera (Chilostetha) insidiosa* Mannerheim,
1852 Kalashian et al., 2005a
- Sphenoptera (Deudora) addenda* Jakovlev, 1900 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b
- Sphenoptera (Deudora) aeneofulgens* Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882 Kalashian et al., 2005b
- Sphenoptera (Deudora) agilis* Obenberger, 1952 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b
- Sphenoptera (Deudora) ahriman* Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) aladaghensis* Obenberger, 1920 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882 Kalashian et al., 2005b
- Sphenoptera (Deudora) alaiensis* Jakovlev, 1893 = *Sphenoptera (Deudora) sulciventris* Jakovlev, 1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) allecta* Jakovlev, 1900 = *Sphenoptera (Deudora) simplex* Jakovlev, 1893
Kalashian et al., 2005b

- Sphenoptera (Deudora) alma* Obenberger, 1929 = *Sphenoptera (Deudora) koenigi* Jakovlev, 1891
Kalashian et al., 2005b
- Sphenoptera (Deudora) alutaceiceps* Obenberger, 1929 = *Sphenoptera (Deudora) sculpticollis* Heyden,
1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) amasiae* Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) anchorifera* Obenberger, 1952 = *Sphenoptera (Deudora) pilipes* Jakovlev, 1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) ankarana* Obenberger, 1952 = *Sphenoptera (Deudora) simplex* Jakovlev, 1893
Kalashian et al., 2005b
- Sphenoptera (Deudora) anxia* Jakovlev, 1900 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b
- Sphenoptera (Deudora) araxicola* Obenberger, 1929 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b
- Sphenoptera (Deudora) arsinoue* Obenberger, 1952 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b
- Sphenoptera (Deudora) assuricola heliochaera* Obenberger, 1929 = *Sphenoptera (Deudora) arcana*
Jakovlev, 1908
Kalashian et al., 2005b
- Sphenoptera (Deudora) assuricola* Obenberger, 1920 = *Sphenoptera (Deudora) arcana* Jakovlev, 1908
Kalashian et al., 2005b
- Sphenoptera (Deudora) aucta* Jakovlev, 1902 = *Sphenoptera (Deudora) sulciventris* Jakovlev, 1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) bactriana* Jakovlev, 1902 = *Sphenoptera (Deudora) bucharica* Jakovlev, 1900
Kalashian et al., 2005b
- Sphenoptera (Deudora) baghdadensis* Obenberger, 1929 = *Sphenoptera (Deudora) arcana* Jakovlev,
1908
Kalashian et al., 2005b
- Sphenoptera (Deudora) baicalensis* Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) binominata* Kerremans, 1913 = *Sphenoptera (Deudora) micans* Jakovlev, 1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) breiti* Obenberger, 1920 = *Sphenoptera (Deudora) demissa* Marseul, 1865
Kalashian et al., 2005b
- Sphenoptera (Deudora) buresi* Obenberger, 1933 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b
- Sphenoptera (Deudora) callimicra* Obenberger, 1929 = *Sphenoptera (Deudora) misella* Jakovlev, 1900
Kalashian et al., 2005b
- Sphenoptera (Deudora) captiosa* Jakovlev, 1902 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b
- Sphenoptera (Deudora) caspica* Jakovlev, 1904 = *Sphenoptera (Deudora) curta* Jakovlev, 1885
Kalashian et al., 2005b
- Sphenoptera (Deudora) cassia* Obenberger, 1929 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b
- Sphenoptera (Deudora) confusa* Kerremans, 1913 = *Sphenoptera (Deudora) incerta* Jakovlev, 1887
Kalashian et al., 2005b
- Sphenoptera (Deudora) congrua* Jakovlev, 1900 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) delicata Kerremans, 1909 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) destitua Obenberger, 1929 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) detrita Jakovlev, 1902 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) dives Jakovlev, 1902 = *Sphenoptera (Deudora) sulciventris* Jakovlev, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) dolens Jakovlev, 1893 = *Sphenoptera (Deudora) incerta* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) earo Obenberger, 1929 = *Sphenoptera (Deudora) antiqua* (Illiger, 1803)
Kalashian et al., 2005b

Sphenoptera (Deudora) escalerae Obenberger, 1929 = *Sphenoptera (Deudora) micans* Jakovlev, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) fabichi Obenberger, 1952 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b

Sphenoptera (Deudora) fleischeri Obenberger, 1952 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882
Kalashian et al., 2005b

Sphenoptera (Deudora) fraterna Jakovlev, 1900 = *Sphenoptera (Deudora) simplex* Jakovlev, 1893
Kalashian et al., 2005b

Sphenoptera (Deudora) glabricollis Obenberger, 1929 = *Sphenoptera (Deudora) hypocrita* Mannerheim,
1837
Kalashian et al., 2005b

Sphenoptera (Deudora) gyaurdagensis Obenberger, 1955 = *Sphenoptera (Deudora) signata* Jakovlev,
1887
Kalashian et al., 2005b

Sphenoptera (Deudora) heliobia Obenberger, 1929 = *Sphenoptera (Deudora) rauca* (Fabricius, 1841)
Kalashian et al., 2005b

Sphenoptera (Deudora) hierosolymitana Obenberger, 1946 = *Sphenoptera (Deudora) signata* Jakovlev,
1887
Kalashian et al., 2005b

Sphenoptera (Deudora) hoberlandti Obenberger, 1952 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882
Kalashian et al., 2005b

Sphenoptera (Deudora) integripennis Obenberger, 1929 = *Sphenoptera (Deudora) koenigi* Jakovlev,
1891
Kalashian et al., 2005b

Sphenoptera (Deudora) irritatrix Obenberger, 1929 = *Sphenoptera (Deudora) micans* Jakovlev, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) isfahanensis Obenberger, 1929 = *Sphenoptera (Deudora) parysatis* Obenberger,
1929
Kalashian et al., 2005b

Sphenoptera (Deudora) jaxartis Obenberger, 1929 = *Sphenoptera (Deudora) sulciventris* Jakovlev, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) jejuna Jakovlev, 1900 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) joukli Obenberger, 1929 = *Sphenoptera (Deudora) incerta* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) julia Obenberger, 1929 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) jureceki Obenberger, 1946 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) kraatzi Jakovlev, 1887 = *Sphenoptera (Deudora) sulciventris* Jakovlev, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) kuliabensis Obenberger, 1952 = *Sphenoptera (Deudora) sulciventris* Jakovlev,
1886 Kalashian et al., 2005b

Sphenoptera (Deudora) liliputana Obenberger, 1929 = *Sphenoptera (Deudora) misella* Jakovlev, 1900
Kalashian et al., 2005b

Sphenoptera (Deudora) maronita Obenberger, 1929 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) megarauca Obenberger, 1952 = *Sphenoptera (Deudora) manifesta* Jakovlev,
1900 Kalashian et al., 2005b

Sphenoptera (Deudora) migriensis Obenberger, 1916 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) moganensis Obenberger, 1952 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882 Kalashian et al., 2005b

Sphenoptera (Deudora) morgani Obenberger, 1929 = *Sphenoptera (Deudora) sculpticollis* Heyden, 1886
Kalashian et al., 2005b

Sphenoptera (Deudora) morgani Obenberger, 1929 = *Sphenoptera (Deudora) arcana* Jakovlev, 1908
Kalashian et al., 2005b

Sphenoptera (Deudora) nephele Obenberger, 1929 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) nikitalliae Obenberger, 1952 = *Sphenoptera (Deudora) antilibanensis*
Obenberger, 1952 Kalashian et al., 2005b

Sphenoptera (Deudora) obsoleta Jakovlev, 1891 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) persica Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b

Sphenoptera (Deudora) plavilscikovi Obenberger, 1952 = *Sphenoptera (Deudora) curta* Jakovlev, 1885
Kalashian et al., 2005b

Sphenoptera (Deudora) proserpina Obenberger, 1952 = *Sphenoptera (Deudora) parysatis* Obenberger,
1929 Kalashian et al., 2005b

Sphenoptera (Deudora) pseudomicans Obenberger, 1929 = *Sphenoptera (Deudora) micans* Jakovlev,
1886 Kalashian et al., 2005b

Sphenoptera (Deudora) pseudorauca Obenberger, 1952 = *Sphenoptera (Deudora) smyrneensis* Gory,
1841 Kalashian et al., 2005b

Sphenoptera (Deudora) raucooides Obenberger, 1920 = *Sphenoptera (Deudora) gemmata gemmata*
(Olivier, 1790) Kalashian et al., 2005b

Sphenoptera (Deudora) salomonis Obenberger, 1952 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b

Sphenoptera (Deudora) samarkanda Obenberger, 1929 = *Sphenoptera (Deudora) varia* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) samotica Obenberger, 1929 = *Sphenoptera (Deudora) simplex* Jakovlev, 1893
Kalashian et al., 2005b

Sphenoptera (Deudora) satelles Jakovlev, 1898 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

Sphenoptera (Deudora) satelletes Kerremans, 1913 = *Sphenoptera (Deudora) signata* Jakovlev, 1887
Kalashian et al., 2005b

- Sphenoptera (Deudora) serena* Jakovlev, 1900 = *Sphenoptera (Deudora) antiqua* (Illiger, 1803)
Kalashian et al., 2005b
- Sphenoptera (Deudora) shah* Obenberger, 1929 = *Sphenoptera (Deudora) micans* Jakovlev, 1886
Kalashian et al., 2005b
- Sphenoptera (Deudora) stella* Obenberger, 1952 = *Sphenoptera (Deudora) arcana* Jakovlev, 1908
Kalashian et al., 2005b
- Sphenoptera (Deudora) subsulcata* Kerremans, 1909 = *Sphenoptera (Deudora) smyrneensis* Gory, 1841
Kalashian et al., 2005b
- Sphenoptera (Deudora) teheranica* Obenberger, 1952 = *Sphenoptera (Deudora) arcana* Jakovlev, 1908
Kalashian et al., 2005b
- Sphenoptera (Deudora) unidentata* Jakovlev, 1891 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) ushinskii* Obenberger, 1929 = *Sphenoptera (Deudora) aeneomicans* Kraatz,
1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) veselyi* Obenberger, 1915 = *Sphenoptera (Deudora) aeneomicans* Kraatz, 1882
Kalashian et al., 2005b
- Sphenoptera (Deudora) zarawshanensis* Obenberger, 1929 = *Sphenoptera (Deudora) hamata* Jakovlev,
1899
Kalashian et al., 2005b
- Temognatha brevifasciata* (Carter, 1931) = *Temognatha secularis* (Thomson, 1857) Bellamy, 2005a

2006

- Acmaeoderopsis peninsularis* Barr, 1972 = *Acmaeoderopsis junki peninsularis* Barr, 1972 Davidson, 2006
- Agrilus (Paralophotus) elgonicus* Obenberger, 1931 = *Agrilus (Paralophotus) sordidans* Obenberger,
1931
Curletti & Magnani, 2006
- genus *Tristria* Holynski, 2001 = genus *Zoolrecordia* Holynski 2006 Holynski, 2006b
- Sarawakita latifrons* Obenberger, 1924 = *Sarawakita hewitti* Kerremans, 1912 Jendek, 2006
- subgenus *Arquagrilus* Alexeev, 1998 = subgenus *Robertius* Théry, 1947 Jendek, 2006
(this synonymy was already published by Mühle, Brandl & Niehuis, 2000 (Catalogus Faunae Graeciae))
- subgenus *Parazodes* Cobos, 1959 = *Dactylozodes* Chevrolat, 1838 Bellamy & Moore, 2006

Status novus (new combination)

2005

- Agrilus hewitti* Kerremans, 1912 = *Sarawakita hewitti* Jendek, 2006
- Sphenoptera (Chilostetha) eximia* Jakovlev, 1886 = *Sphenoptera (Chilostetha) canescens eximia*
Jakovlev, 1886
Kalashian et al., 2005a
- Sphenoptera (Chilostetha) palea* Obenberger, 1952 = *Sphenoptera (Chilostetha) cauta palea*
Obenberger, 1952
Kalashian et al., 2005a
- Sphenoptera (Chilostetha) pirazzolii* Obenberger, 1952 = *Sphenoptera (Chilostetha) basalis pirazzolii*
Obenberger, 1952
Kalashian et al., 2005a

Status novus (reestablished)

2005

- Agrilus ulaangomiensis* Cobos, 1972 Jendek, 2005
- Sphenoptera (Deudora) smyrneensis* Gory, 1841 Kalashian et al., 2005b

Status novus (upgraded to genus rank)

2006

Achardella Obenberger, 1926 (type species : *Buprestis americana* Herbst, 1801) Bellamy, 2006b

Status novus (reestablished and new combination)

2002

Obenbergerula bakeri (Fisher, 1924) = *Sibuyanella bakeri* (Type species) Bellamy, 2005b

Replacement names

2005

Agrilus lineatus Kerremans, 1899 = *Agrilus lineariformis* Jendek, 2005 Jendek, 2005

2006

Agrilus makiharai Ohmomo, 2005 = *Agrilus makiharaiellus* Ohmomo, 2006 Ohmomo, 2006

Argante Gistel, 1834 = *Neoargante* Nelson, 2006 Nelson, 2006

Castaliella Cobos, 1981 = *Cobosella* Özdikmen, 2006 Özdikmen, 2006

Justified emendations

2005

Amorphosomina Majer, 2001 = *Amorphosomatina* Majer, 2001 Bellamy, 2005b

Philippscelis Bellamy, 1998 = *Philippscelus* Bellamy, 1998 Bellamy, 2005b

Unavailable names

2006

subgenus *Aridagrilus* Alexeev, 1998 Jendek, 2006

subgenus *Arquaagrilus* Alexeev, 1979 Jendek, 2006

subgenus *Austragrilus* Alexeev, 1998 Jendek, 2006

subgenus *Dentagrilus* Alexeev, 1998 Jendek, 2006

subgenus *Epinagrilus* Stepanov, 1954 Jendek, 2006

subgenus *Quercagrilus* Alexeev, 1998 Jendek, 2006

subgenus *Sinuatiagrilus* Alexeev, 1998 Jendek, 2006

subgenus *Xeragrilus* Alexeev, 1998 Jendek, 2006