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New synonyms and notes on some *Cassidinae* species, with description of *Laccoptera rotundicollis* n. sp. from West Africa (Coleoptera: Chrysomelidae)

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ABSTRACT. *Laccoptera rotundicollis* n. sp. is described from Burkina Faso, Ghana, Mali and Senegal for specimens identified hitherto as *Laccoptera cicatricosa* auct. not BOHEMAN, 1855. The following new synonyms are proposed: *Discomorpha caeruleata* (BOHEMAN, 1856) = *Dolichotoma chlorosoma* BOHEMAN, 1856; *Discomorpha languinosa* (BOHEMAN, 1850) = *Dolichotoma pubescens* BOHEMAN, 1856, = *Dolichotoma bihamata* BOHEMAN, 1856; *Agenysa guianiensis* (BOHEMAN, 1856) = *Calaspidea signaticollis* BOHEMAN, 1856; *Chelymorpha bullata* BOHEMAN, 1854 = *Chelymorpha amazona* WEISE, 1921; *Chelymorpha cribraria* (FABRICIUS, 1775) = *Cassida multipunctata* OLIVIER, 1790, = *Chelymorpha polysticha* BOHEMAN, 1854, = *Chelymorpha disconotata* BOHEMAN, 1854; *Chelymorpha infirma* BOHEMAN, 1854 = *Chelymorpha columbica* WEISE, 1921; *Chelymorpha inflata* BOHEMAN, 1854 = *Chelymorpha infaceta* BOHEMAN, 1854; *Chelymorpha nigricollis* BOHEMAN, 1854 = *Chelymorpha coeca* BOHEMAN, 1854; *Chelymorpha varians* (BLANCHARD, 1851) = *Chelymorpha variabilis* BOHEMAN, 1854, = *Chelymorpha tucumana* BOHEMAN, 1854; *Laccoptera cicatricosa* BOHEMAN, 1855 = *Laccoptera abyssinica* BOHEMAN, 1856; *Cassida denticulata* BOHEMAN, 1856 = *Cassida perpusilla* BOHEMAN, 1862; *Cassida dorsonotata* BOHEMAN, 1854 = *Cassida aspectabilis* SPAETH, 1914; *Cassida syratica* BOHEMAN, 1856 = *Cassida consors* SPAETH, 1938; *Chiridopsis bipunctata* (LINNAEUS, 1767) = *Coptocycla bipunctipennis* BOHEMAN, 1855; *Emdenia maxima* (BLACKBURN, 1896) = *Psolidonota australica* MJOBERG, 1917; *Ctenocassida vittigera* (BOHEMAN, 1855) n. comb. = *Coptocycla quinquevittata* BOHEMAN, 1862; *Deloyala guttata* (OLIVIER, 1790) = *Coptocycla glabricula* BOHEMAN, 1855; *Ischnocodia succincta* (BOHEMAN, 1855) n. comb. = *Ischnocodia flavofasciata* BOROWIEC, 1995; *Nuzonia cayennensis* (BOHEMAN, 1855) = *Coptocycla wallengreni* BOHEMAN, 1862. Type designation for *Cassida nigroflavens* BOROWIEC, 1988 and lectotype designations for 13 species are given.

Key words: Entomology, taxonomy, synonyms, new species, *Coleoptera*, *Chrysomelidae*, *Cassidinae*.

I have had an opportunity to examine BOHEMAN's, SPAETH's and WEISE's collections of *Cassidinae* preserved in Naturhistoriska Riksmuseet, Stockholm, and as a result of the study I propose below several new synonyms and discuss some taxonomic problems for a few species.

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***Discomorpha caeruleata* (BOHEMAN, 1856)**

- Dolichotoma caeruleata* BOHEMAN, 1856: 30; 1862: 78.
Oxynoderia caeruleata [sic]: SPAETH 1907: 144; 1914 b: 26.
Discomorpha caeruleata: BLACKWELDER 1946: 736.
Discomorpha (s. str.) *caeruleata*: VIANA 1964: 110.
Dolichotoma chlorosoma BOHEMAN, 1856: 31; 1862: 79; **n. syn.**
Oxynoderia chlorosoma: SPAETH 1907: 144; 1914 b: 26.
Discomorpha chlorosoma: BLACKWELDER 1946: 736.
Discomorpha (s. str.) *chlorosoma*: VIANA 1964: 110.

I have examined holotype of *D. caeruleata* BOH. with labels "Amazon" "Buquet" "Type" and holotype of *D. chlorosoma* BOH. with labels "Para" "Brit Mus" "Type" and both are conspecific. Nominotypical form is uniformly metallic blue while *D. chlorosoma* is metallic green. It is possible that both are only aberrations of *D. biplagiata* (GUÉRIN) close to the form described as *D. biplagiata* var. *coerulipennis* SPAETH, 1907.

***Discomorpha languinosa* (BOHEMAN, 1850)**

- Dolichotoma languinosa* BOHEMAN, 1850: 190; 1856: 30; 1862: 76.
Bia languinosa: WEISE 1896 b: 31.
Bia (ol. *Dolichotoma*) *languinosa*: SPAETH 1898: 273.
Oxynoderia languinosa: SPAETH 1914 b: 27.
Discomorpha languinosa: BLACKWELDER 1946: 736; BUZZI 1988: 565 (biology).
Discomorpha (s. str.) *languinosa*: VIANA 1964: 114.
Dolichotoma pubescens BOHEMAN, 1856: 30; 1862: 77; **n. syn.**
Dolichotoma languinosa var. *pubescens*: SPAETH 1898: 273; 1914 b: 27.
Discomorpha languinosa var. *pubescens*: BLACKWELDER 1946: 736.
Discomorpha (s. str.) *languinosa* var. *pubescens*: VIANA 1964: 114 (incl. photo).
Dolichotoma bihamata BOHEMAN, 1856: 31; 1862: 81; **n. syn.**
Oxynoderia bihamata: SPAETH 1907: 145; 1914 b: 26.
Discomorpha bihamata: BLACKWELDER 1946: 736.
Discomorpha (s. str.) *bihamata*: VIANA 1964: 108.

I have examined lectotype of *Dolichotoma languinosa* BOH., present designation, with labels "Columbia" "Sommer" "Type", Paralectotype "Columbia" "Dohrn", paralectotype "Columbia" "Thorey", lectotype of *Dolichotoma pubescens* BOH.,

present designation, with labels "Columbia" "Bhn" "Type", paralectotype "Columbia" "Dohrn" and holotype of *Dolichotoma bihamata* BOH. with labels "Brit Mus" "Type" and all are conspecific. *D. pubescens* is an aberration with complete reduced red elytral pattern, in *D. bihamata* it is reduced to small spot on explanate margin of elytra, in nominotypical form red occupies most part of disc and explanate margin.

***Agenysa guianensis* (BOHEMAN, 1856)**

Calaspidea guianensis BOHEMAN, 1856: 36.

Calaspidea guianensis [sic]: BOHEMAN 1862: 97.

Agenysa guianensis [sic]: SPAETH 1905: 91.

Agenysa guianensis [sic]: SPAETH 1914 b: 32; BLACKWELDER 1946: 737.

Agenysa guianensis: VIANA 1968: 83, 104 (incl. fig.).

Calaspidea signaticollis BOHEMAN, 1856: 36, 1862: 98; **n. syn.**

Agenysa signaticollis: SPAETH 1905: 91, 1914 b: 32; BLACKWELDER 1946: 737; VIANA 1968: 92, 106 (incl. fig.).

I have examined lectotype of *C. guianensis* BOH., present designation, with labels "Br Guyana" "M Berl" "Type", paralectotype, the same data, and holotype of *C. signaticollis* BOH. with labels "Brit Mus" "Type" and both are conspecific. The specimen of *C. signaticollis* is not fully sclerotized and pronotal yellow spots result from its immaturity.

***Chelymorpha bullata* BOHEMAN, 1854**

Chelymorpha bullata BOHEMAN, 1854: 19, 1856: 74, 1862: 197; SPAETH 1914 b: 58; BLACKWELDER 1946: 744.

Chelymorpha amazona WEISE, 1921: 194; BLACKWELDER 1946: 744, **n. syn.**

I have examined lectotype of *Ch. bullata* BOH., present designation, with labels "Brasil" "Type" and lectotype of *Ch. amazona* WEISE, present designation, with label "Manáos" "Amazon Roman" "Typ" and both are conspecific.

***Chelymorpha cribraria* (FABRICIUS, 1775)**

Cassida cribraria FABRICIUS, 1775: 90, 1781: 110, 1787: 63, 1792: 297, 1801: 396.

Chelymorpha cribraria: BOHEMAN 1854: 55, 1856: 80, 1862: 210; SPAETH 1914 b: 58, 1942: 30; TENENBAUM 1927: 37; MARQUES 1932: 6; WILCOX 1975: 152; VASCONCELLOS-NETO 1988: 217-232 (incl. figs., genetics); BUZZI 1988: 570 (biology).

Cassida multipunctata OLIVIER, 1790: 384, **n. syn.**

Chelymorpha multipunctata: SPAETH 1914 b: 59; VIRRKI et al. 1992: 36 (karyotype); BLACKWELDER 1946: 745; WILCOX 1975: 153.

Chelymorpha polysticha BOHEMAN, 1854: 56, 1856: 80, 1862: 210; SPAETH 1914 b: 59 (as syn. of *multipunctata*), **n. syn.**

Chelymorpha disconotata BOHEMAN, 1854: 47, 1856: 79, 1862: 208; SPAETH 1914 b: 58; BLACKWELDER 1946: 745, **n. syn.**

I have examined lectotype of *Ch. polysticha* BOH., present designation, with labels "St Barth" "Type" and it is conspecific with widespread and extremely variable *Ch. cribraria* (F.). SPAETH (1914) synonymized *Ch. polysticha* with *C. multipunctata* OL., whose type is unknown, but all specimens examined by me from Guadeloupe, Dominica, St. Vincent, Grenada and St. Barthelemy belong to *C. cribraria* (F.) and *C. multipunctata* is also junior synonym of FABRICIUS's species. I have examined also holotype of *Ch. disconotata* BOH. with labels "Cayen" "Buquet" and, in my opinion, it is only an aberration of *Ch. cribraria* (F.) with a dark band along elytron.

***Chelymorpha infirma* BOHEMAN, 1854**

Chelymorpha infirma BOHEMAN, 1854: 93, 1862: 221; SPAETH, 1914 b: 59; BLACKWELDER 1946: 745.

Chelymorpha infirma [sic]: BOHEMAN 1856: 85.

Chelymorpha columbica WEISE, 1921: 195; BLACKWELDER 1946: 744, **n. syn.**

I have examined holotype of *Ch. infirma* BOH. with labels "Columbia" "Milde" "Type" and four syntypes of *Ch. columbica* WEISE with labels "Columbia" "Thieme" and all are conspecific. In *Ch. infirma* dark pattern occupies basal half of pronotum, while in *Ch. columbica* it is reduced to two small spots.

***Chelymorpha inflata* BOHEMAN, 1854**

Chelymorpha inflata BOHEMAN, 1854: 12, 1856: 74, 1862: 197; SPAETH 1914 b: 59; TENENBAUM 1927: 36; BLACKWELDER 1946: 745.

Chelymorpha infaceta BOHEMAN, 1854: 17, 1856: 76, 1862: 197; BURMEISTER 1870: 277; DONCKIER 1884: Cl.IV; SPAETH 1914 b: 59; BLACKWELDER 1946: 745, **n. syn.**

I have examined lectotype of *Ch. inflata* BOH., present designation, with labels "Brasil" "Buquet" and holotype of *Ch. infaceta* BOH. with labels "Corrientes" "Guérin" "Type" and, in my opinion, *Ch. infaceta* is only pale aberration of *Ch. inflata* with only two small spots on pronotum and elytral punctures with dark centre.

***Chelymorpha nigricollis* BOHEMAN, 1854**

Chelymorpha nigricollis BOHEMAN, 1854: 80, 1856: 83, 1862: 217; SPAETH 1914 b: 59; TENENBAUM 1927: 36; BLACKWELDER 1946: 745.

Chelymorpha nigricollis [sic]: VASCONCELLOS-NETO 1988: 227.

Chelymorpha coeca BOHEMAN, 1854: 92; SPAETH 1914 b: 58, 1942: 30; BLACKWELDER 1946: 744, **n. syn.**

Chelymorpha caeca [sic]: BOHEMAN 1856: 85, 1862: 221.

I have examined lectotype of *Ch. nigricollis* BOH., present designation, with labels "Brasil" "Deyrolle" "Type" and lectotype of *Ch. coeca* BOH., present designa-

tion, with labels "Brasil" "Deyr" and both are conspecific. *Ch. coeca* is an aberration with pronotal pattern reduced to two spots, while in *Ch. nigricollis* almost whole pronotum is black.

***Chelymorpha varians* (BLANCHARD, 1851)**

Cassida varians BLANCHARD in GAY, 1851: 531.

Chelymorpha varians: BOHEMAN 1856: 81, 1862: 213; SPAETH 1914 b: 60; BLACKWELDER 1946: 745.

Chelymorpha variabilis BOHEMAN, 1854: 61, 1856: 81, 1862: 213; BURMEISTER 1870: 278; DOHRN 1880: 156; SPAETH 1914 b: 60; TENENBAUM 1927: 37; BLACKWELDER 1946: 745; WILCOX 1975: 153; BUZZI 1988: 570 (biology), **n. syn.**

Chelymorpha variabilis: THIBON 1915: 83 (biology).

Chelymorpha crucifera BOHEMAN, 1854: 87, 1856: 84, 1862: 220; BURMEISTER 1870: 278; SPAETH 1914 b: 58; TENENBAUM 1927: 37; BLACKWELDER 1946: 745.

Chelymorpha signaticollis BOHEMAN, 1854: 88.

Chelymorpha crucifera ab. *signaticollis*: SPAETH 1914 b: 58; BLACKWELDER 1946: 745.

Chelymorpha tucumana BOHEMAN, 1854: 64, 1856: 81, 1862: 215; BURMEISTER 1870: 278; BLACKWELDER 1946: 745, **n. syn.**

Chelymorpha variabilis var. ? *tucumana*: SPAETH 1914 b: 60; BLACKWELDER 1946: 745

Mesomphalia cribellata DOHRN, 1878: 455; SPAETH 1901: 346 (as syn. of *variabilis*).

Pseudomesomphalia cribellata: SPAETH 1901: 346.

I have examined syntype of *Cassida varians* BL. with label "Chili" and lectotype of *Chelymorpha variabilis* BOH., present designation, with labels "Buenos Ayres" "Mhm" "Type" and both are conspecific. It is a very variable species with many colour aberrations partly described as different taxa. I have examined also holotype of *Chelymorpha tucumana* BOH. with labels "Tucuman" "Mhm" "Type" and without doubt it is colour aberration of *Ch. varians* (BL.).

***Laccoptera cicatricosa* BOHEMAN, 1855**

Laccoptera cicatricosa BOHEMAN, 1855: 62; 1856: 154; 1862: 383; BOROWIEC 1986 a: 803.

Orphnoda cicatricosa: WEISE 1899: 253.

Orphnodella cicatricosa: SPAETH 1902: 20.

Laccoptera (*Orphnodella*) *cicatricosa*: SPAETH 1914 b: 85; 1932: 229.

Laccoptera (*Orphnodella*) [sic] *cicatricosa*: BOROWIEC 1994: 205.

Cassida Abyssinica BOHEMAN, 1856: 117; 1862: 285, **n. syn.**

Orphnodella abyssinica: SPAETH 1902: 20.

Laccoptera (*Orphnodella*) *abyssinica*: SPAETH 1909: 285; 1914 b: 84; 1922: 1001; 1924: 307; 1932: 229; 1938 b: 61; SHAW 1960: 370; TIBERGHEN 1976: 179.

Laccoptera (*Orphnodella*) [sic!] *abyssinica*: BOROWIEC 1994: 181.

Laccoptera abyssinica: SPAETH 1912 a: 508; BOROWIEC 1985 b: 239; 1985 c: 445, 1995 b: 369.

Laccoptera cicatricosa: CHAPUIS 1880: 31 (misidentification).

Laccoptera submetallica CHAPUIS, 1880: 31; SPAETH 1909d: 286 (as syn. of *abyssinica*).

Orphnodella submetallica: SPAETH 1902: 20.

Orphnoda submetallica: WEISE 1899: 253.

Laccoptera ferruginea LINELL, 1896: 696; SPAETH 1924: 308 (as syn. of *abyssinica*).

- Orphonodella ferruginea*: SPAETH 1902: 20.
Laccoptera (Laccoptera) ferruginea: SPAETH 1914 b: 84.
Laccoptera (Orphonodella) abyssinica ab. *ferruginea*: SPAETH 1922: 1001.
Orphonoda ruginosa var. *usambarica* WEISE, 1899: 254.
Orphonodella ruginosa var. *usambarica*: SPAETH 1902: 20.
Laccoptera (Orphonoda) usambarica: WEISE 1904: 57.
Laccoptera usambarica: SPAETH 1909: 285 (as syn. of *abyssinica*), 1924: 308 (as syn. of *ferruginea*).
Laccoptera abyssinica ab. *usambarica*: SPAETH 1912 a: 508.
Laccoptera (Orphonodella) abyssinica ab. *usambarica*: SPAETH 1914 b: 85; SHAW 1972: 71.
Laccoptera ruginosa v. *usambarica*: BOROWIEC 1987: 415.
Orphonoda ruginosa var. *atra* WEISE, 1899: 254.
Laccoptera usambarica var. *atra*: SPAETH 1909: 285 (as syn. of *abyssinica*).
Laccoptera (Orphonodella) aethiopica SPAETH, 1938 b: 59; SHAW 1972: 71; BOROWIEC 1994: 181 (as syn. of *abyssinica*).
Laccoptera (Orphonodella) minima SPAETH, 1932: 230; BOROWIEC 1994: 181 (as syn. of *abyssinica*).

Based on SPAETH's unpublished monograph of world *Cassidinae* preserved in Manchester Museum I treated in my monograph of Afrotropical species (BOROWIEC 1994) *Laccoptera cicatricosa* BOH. and *L. abyssinica* (BOH.) as distinct species. Now, I have examined holotype of *L. cicatricosa* with labels "Seneg." "Mhm" "Type" and it is conspecific with *L. abyssinica* redescribed in the monograph, so the name *abyssinica* is junior synonym of *cicatricosa*. It is common and widespread in whole tropical Africa especially in arid areas of the western, eastern and southern parts of the continent. The species, named in my monograph *Laccoptera cicatricosa*, became unnamed and its description is given below:

***Laccoptera rotundicollis* n. sp.**

ETYMOLOGY

Named after broadly rounded pronotal sides.

DIAGNOSIS

It belongs to the species group with almost parallelsided body and at first glance is very similar to *L. cicatricosa* BOH. but it differs from all species of the group in elliptical pronotum with broadly rounded sides and maximum width in the middle (in other species maximum width of pronotum is at base or slightly in front of the base). *L. rotundicollis* differs also in very long third antennal segment, more than 2.5 times longer than the second (always less than 2.5 times in other species), also pecten of tarsal claws in *L. rotundicollis* is distinctly shorter than in other elongate species. For detailed description and figures see BOROWIEC, 1994: pp. 205-209, figs. 327-331.

TYPES

Holotype: BURKHINA FASO: Ouagadougou, X 1970, P.C. FERNANDEZ; paratype: SENEGAL, "*cicatricosa*"; two paratypes: TOGO: Mangu, IX 1901, preserved in author's collection. For other examined specimens see BOROWIEC, 1994: pp. 208-209.

DISTRIBUTION

Senegal, Mali, Burkina Faso, Togo and Ghana. It was recorded also from Sudan but probably based on misidentified specimens of *L. cicatricosa* BOH.

***Cassida denticulata* BOHEMAN, 1856**

Cassida denticulata BOHEMAN, 1856: 137, 1862: 338; BOROWIEC 1990 b: 10 (incl. fig.).

Cassida (Cassida) denticulata: SPAETH 1914 b: 115.

Cassida perpusilla BOHEMAN, 1862: 335; BOROWIEC 1990 b: 9 (as syn. of *mera*), **n. syn.**

In my review of Australopapuan *Cassida* (BOROWIEC 1990) I synonymized *C. perpusilla* BOH. with *C. mera* GERMAR, 1848 based on a note in SPAETH's unpublished monograph of world *Cassidinae* species preserved in Manchester Museum. Now, I have examined holotype of *C. perpusilla* from "Mellbourne" and in fact it is synonym of *C. denticulata* BOHEMAN, 1856, not *C. mera* GERMAR, 1848.

***Cassida dorsonotata* BOHEMAN, 1854**

Cassida dorsonotata BOHEMAN, 1854: 409, 1856: 132, 1862: 329; SPAETH 1914 a: 552; MAULIK 1919: 383; KIMOTO and TAKIZAWA 1981: 64.

Odontionycha dorsonotata: WEISE 1897: 110.

Cassida (Cassida) dorsonotata: SPAETH 1914 b: 113.

Cassida aspectabilis SPAETH, 1914 a: 557; MAULIK 1919: 385 (incl. fig.); TAKIZAWA 1985 b: 571, **n. syn.**

Cassida (Cassida) aspectabilis: SPAETH 1914 b: 113.

I have examined two syntypes of *Cassida dorsonotata* BOH., one of them presently designated as lectotype: "Neelgh." "Guerin" "Type" and this name is senior synonym of well known *Cassida aspectabilis* SP. of which 13 syntypes from S India preserved in Manchester Museum I have also examined. Pale form with almost uniformly yellow elytra with only a few brown spots was described as *C. dorsonotata*.

***Cassida nigroflavens* BOROWIEC, 1988**

Because of typographical error in the description of *Cassida nigroflavens* (BOROWIEC 1988: 556) designation of types has been lost:

Holotype: [Madagascar]: "Piste Tsiroanomandidy, Ankavandra, XI-43 (Abadie)" (coll. Muséum National d'Histoire Naturelle, Paris); paratype: [Madagascar]: "Hera, Ankazoabo" (coll. Manchester Museum, University of Manchester).

***Cassida syrtica* BOHEMAN, 1856**

Cassida syrtica BOHEMAN, 1856: 129, 1862: 311; WEISE 1905: 123; SPAETH 1914 a: 548; MAULIK 1919: 388; KIMOTO and TAKIZAWA 1973: 180, 1981: 64, 1983: 96; KIMOTO 1981: 59; TAKIZAWA 1983: 78, 1985 a: 7, 1987: 526, 1988: 11, 1989: 326; GRUEV 1985: 44; BOROWIEC 1990 a: 697; BOROWIEC and TAKIZAWA 1991: 641.

Cassida (Cassida) syratica: SPAETH 1914 b: 114.

Cassida (Taiwania) syratica: BOROWIEC 1985 a: 33; MEDVEDEV and EROSHKINA 1988: 142.

Cassida consors SPAETH, 1938 a: 234, **n. syn.**

In Stockholm Museum there is one of two syntypes of *C. consors* SPAETH here designated as lectotype: "S. Shan States, Burma 1500 m Taunggyi, 1.VIII.-22.IX.34 Malaise" Typus" "*Cassida consors* Spaeth det." It is only colour aberration of *C. syratica* BOH. without pronotal spots and pattern of elytra reduced to only few small spots on second interval and postscutellar point. I have examined more specimens of this form from Darjeeling in India, a province close to type locality of *C. consors*, and also from southern India. Specimens of typical form from northern India and Nepal are usually darker coloured with three black pronotal spots.

***Chiridopsis bipunctata* (LINNAEUS, 1767)**

Cassida bipunctata LINNAEUS, 1767: 578; FABRICIUS 1775: 93 (2 *punctata*), 1781: 115, 1787: 66, 1792: 307, 1801: 408; OLIVIER 1790: 392; HERBST 1799: 271.

Coptocycla sexnotata var. *bipunctata*: BOHEMAN 1855: 115, 1856: 160, 1862: 394.

Chirida bipunctata: WEISE 1896 a: 14, 1905: 126; SPAETH 1914 b: 125; MAULIK 1919: 426.

Chirida bipustulata [sic]: WEISE 1897: 106.

Chiridopsis bipunctata: TAKIZAWA 1980: 30 (larva, pupa), 1985 a: 7, 1987: 526; BOROWIEC 1985 a: 30, 1990 a: 699; LIZHONG 1989: 87; BOROWIEC and TAKIZAWA 1991: 638.

Coptocycla bipunctipennis BOHEMAN, 1855: 118, 1856: 160, 1862: 396, **n. syn.**

Chirida bipunctipennis: WEISE 1905: 126; SPAETH 1914 b: 125; MAULIK 1919: 425.

I have examined a holotype of *Coptocycla bipunctipennis* BOH. from "Travancour" and it is only a colour aberration of *Chiridopsis bipunctata* (L.) with reduced anterior and posterior elytral spot. The type of *Cassida bipunctata* LINNAEUS, 1767 is unknown but this species has been well defined in many later papers and its specific status is unquestionable.

***Emdenia maxima* (BLACKBURN, 1896)**

Chirida maxima BLACKBURN, 1896: 104.

Metriona maxima: SPAETH 1914 b: 142.

Emdenia maxima: SPAETH 1915: 236; BOROWIEC 1991: 4 (incl. fig.).

Psalidonota australica Mjöberg, 1917: 17, **n. syn.**

In Stockholm Museum there is holotype of *Psalidonota australica* Mj. with labels "Atherton" "Queensl. Mjöberg". It is conspecific with *Chirida maxima* BLACKBURN, 1896 (type examined!, redescription see BOROWIEC 1991). The genus *Psalidonota* is exclusively Neotropical.

***Agroiconota judaica* (FABRICIUS, 1781)**

- Cassida judaica* FABRICIUS, 1781: 109, 1787: 63, 1792: 295 (*judaica*), 1801: 392; OLIVIER 1790: 381, 1808: 968; HERBST 1799: 280; ERICHSON 1847: 155; WAGENER 1877: 57.
- Coptocycla judaica*: BOHEMAN 1855: 293, 1856: 179, 1862: 441; KIRSCH 1876: 94; CHAMPION 1894: 209.
- Metriona judaica*: WEISE 1896 a: 14, 1921: 200; MAULIK 1916: 589; TENEBBAUM 1927: 37; MARQUES 1932: 6, 22 (biology, immature stag.).
- Metriona (Metriona) judaica*: SPAETH 1914 b: 139.
- Agroiconota judaica*: SPAETH 1936: 215, 1942: 39; BLACKWELDER 1946: 748; WILCOX 1975: 156; BUZZI 1988: 573 (biology), 1994: 208 (host plant); WINDSOR et al. 1992: 390.
- Coptocycla judaica* var. *operosa* BOHEMAN, 1855: 293, 1856: 179.
- Metriona (Metriona) judaica* ab. *operosa*: SPAETH 1914 b: 139.
- Agroiconota judaica* ab. *operosa*: BLACKWELDER 1946: 748.
- Coptocycla inedita* BOHEMAN, 1855: 356, 1856: 186, 1862: 454; SPAETH 1936: 214 (as syn. of *judaica*), part.
- Metriona (Metriona) inedita*: SPAETH 1914 b: 139.
- Metriona inedita*: BLACKWELDER 1946: 752.

SPAETH (1936) synonymized *Coptocycla inedita* with *Cassida judaica* and placed it in the genus *Agroiconota* SPAETH, 1913, but two syntypes of *C. inedita* represent two different species. Lectotype, present designation, with labels "Rio Jan" "F. Sahlb" "Type" is conspecific with *A. judaica* (F.) sensu SPAETH (1936), paralectotype with labels "Brasil" "Mhm" is conspecific with *Agroiconota punctipennis* (BOHEMAN, 1855). Specimens in BOHEMAN's collection labelled as *C. judaica* F. are not conspecific with *A. judaica* sensu SPAETH and belong probably to a new species. I have had no opportunity to examine types of *Coptocycla judaica* var. *operosa* BOHEMAN, 1855 but they may be conspecific with specimens labelled by him as *judaica* in Stockholm collection. In most collections I examined hitherto, specimens identified as *A. judaica* were conspecific with those of BOHEMAN's collection not in the sense of SPAETH (1936). Two syntypes of *C. judaica* F. are preserved in Copenhagen Museum and before examining them I treated *A. judaica* in the sense of SPAETH (1936).

***Ctenocassida vittigera* (BOHEMAN, 1855) n. comb.**

- Coptocycla vittigera* BOHEMAN, 1855: 434, 1856: 194, 1862: 469.
- Ctenochira vittigera*: WAGENER 1877: 76.
- Cteisella vittigera*: SPAETH 1914 b: 149; BLACKWELDER 1946: 755.
- Cteisella (Ctenocassida) vittigera*: SPAETH 1926: 11.
- Cteisella (Ctenocassida) vittigera* ab. *illateralis* SPAETH, 1926: 11.
- Cteisella vittigera* ab. *illateralis*: BLACKWELDER 1946: 755.
- Coptocycla quinquevittata* BOHEMAN, 1862: 469, n. syn.
- Ctenochira quinquevittata*: WAGENER 1877: 76.
- Cteisella quinquevittata*: SPAETH 1914 b: 149; BLACKWELDER 1946: 755.
- Cteisella* (?) *quinquevittata*: SPAETH 1926: 17.

I have examined holotype of *C. quinquevittata* BOH. with labels "Brasil" "Bhn" "Type" and it is conspecific with lectotype of *C. vittigera* BOH., present designation,

with labels "Brasil" "Ménér" "Mhm" "Type". *C. quinquevittata* is only a dark aberration of *C. vittigera* with elytral pattern completely black, forming three longitudinal bands on each elytron (in *C. vittigera* elytral pattern is mostly red with darker, brown to blackish, borders).

***Deloyala guttata* (OLIVIER, 1790)**

Cassida guttata OLIVIER, 1790: 383.

Coptocycla guttata: BOHEMAN 1855: 314, 1856: 181, 1862: 445; SUFFRIAN 1868: 251.

Chirida guttata: WEISE 1896 a: 14; BARBER 1916: 123; SPAETH 1936: 110.

Deloyala guttata: BLACKWELDER 1946: 748; BALSBAUGH and HAYS 1972: 195; WILCOX 1975: 156; RILEY and ENNS 1979: 81; NOGUERA 1988: 303; WINDSOR et al. 1992: 390; VIRKKI et al. 1992: 38 (karyotype); BUZZI 1994: 208 (host plant).

Coptocycla glabricula BOHEMAN, 1855: 341, 1856: 184, 1862: 451; SPAETH 1914 b: 132; BLACKWELDER 1946: 749; WILCOX 1975: 157, **n. syn.**

I have examined holotype of *Coptocycla glabricula* BOHEMAN, 1855 with labels "Domingo" "Type". It is only colour aberration of well known *D. guttata* (OL.) with uniformly yellow pronotum and elytra.

Ischnocodia succincta* (BOHEMAN, 1855) **n. comb.*

Coptocycla succincta BOHEMAN, 1855: 226, 1856: 172, 1862: 429; SPAETH 1914 b: 133; BLACKWELDER 1946: 750.

Ischnocodia flavofasciata BOROWIEC, 1995 a: 91, **n. syn.**

Coptocycla succincta was treated hitherto as "species dubium". I have examined two syntypes of it, lectotype with labels "Brasil" "Mhm" "Type", present designation; paralectotype with labels "Brasil" "Bhn". It is senior synonym of my *Ischnocodia flavofasciata* BOROWIEC newly described from Rio de Janeiro in Brazil (holotype in Carnegie Museum).

***Nuzonia cayennensis* (BOHEMAN, 1855)**

Coptocycla cayennensis BOHEMAN, 1855: 278, 1856: 177, 1862: 439.

Nuzonia cayennensis: SPAETH 1912 b: 6, 1914 b: 134; BLACKWELDER 1946: 750.

Coptocycla Wallengreni BOHEMAN, 1862: 410; SPAETH 1914 b: 133; BLACKWELDER 1946: 750, **n. syn.**

I have examined holotype female of *Coptocycla cayennensis* BOH. with labels "Cayen" "Buquet" "Type" and holotype female of *Coptocycla wallengreni* BOH. with labels "Cayen" "Deyrolle" "Type" and both are conspecific. I have also examined holotype male of *Coptocycla uniformis* BOHEMAN, 1855 with labels "Cayen" "Buquet" "Type" and it is probably only a colour aberration of *C. cayennensis* with completely reduced elytral pattern, but this problem needs further study.

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