

CATALOGUE OF THE TYPE SPECIMENS OF THE “PROF. IOAN NEMEȘ” LEPIDOPTERA COLLECTION, THE MUSEUM OF NATURAL SCIENCES DOROHOI (BOTOȘANI COUNTY, ROMANIA)

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Abstract. The collection which belonged to the Prof. Ioan Nemeș (1924-2009), currently curated at the Museum of Natural Sciences Dorohoi (Botoșani County), is one of the most important and valuable collections of Lepidoptera preserved in a Romanian museum. Within this collection, a number of 47 type specimens have been identified, on which the descriptions of 28 species and other infraspecific taxa from 5 Lepidoptera families: Nepticulidae, Coleophoridae, Tortricidae, Crambidae and Geometridae have been based. All these specimens were collected from the territory of Romania. Some of the identified type specimens belong to taxa with doubtful status, whose original descriptions are poor and superficial. The discovery of these type specimens finally allowed assessing the status of several taxa, and the following new synonymies are proposed: *Ancylis uncella* (Denis & Schiffermüller, 1933) = *Ancylis bucovinella* Peiu & Nemeș, 1969 nov. syn.; *Epiblema foenella* (Linnaeus, 1758) = *Epiblema foenella* f. *fracta* Popescu-Gorj & Nemeș, 1965 nov. syn.; *Pelochrista decolorana* (Freyer, 1842) = *Pseudeucosma alexinschiana* Peiu & Nemeș, 1968 nov. syn.; *Nascia ciliaris* (Hübner, 1796) = *Calamotropha olarui* Nemeș, 1972 nov. syn.; *Scopula (Calothysanis) subpunctaria* (Herrich-Schäffer, 1847) = *Scopula peiui* Olaru, 1973 nov. syn.; *Idaea pallidata* (Denis & Schiffermüller, 1775) = *Sterrha constantineanui* Olaru, 1973 nov. syn.; *Idaea elongaria* (Rambur, 1833) = *Sterrha nemesi* Olaru, 1973 nov. syn.

Résumé. La collection qui appartenait au Prof. Ioan Nemeș (1924-2009), actuellement préservée dans le Musée des Sciences Naturelles de Dorohoi (département du Botoșani) est l'une des collections les plus importantes et les plus précieuses de lépidoptères conservé dans un musée roumain. Dans cette collection, un nombre de 47 de spécimens types ont été identifiées, sur lesquels ont été fondées les descriptions des 28 espèces et d'autres taxons infraspécifiques de 5 familles de lépidoptères: Nepticulidae, Coleophoridae, Tortricidae, Crambidae et Geometridae. Tous ces spécimens ont été prélevés sur le territoire de la Roumanie. Quelques-uns des spécimens types identifiés appartiennent à des taxons avec le statut douteux, dont les descriptions originales sont faibles et superficielles. La découverte de ces spécimens types a finalement permis d'évaluer l'état de plusieurs taxons ce qui a permis la proposition des nouvelles synonymies suivantes: *Ancylis uncella* (Denis & Schiffermüller, 1933) = *Ancylis bucovinella* Peiu & Nemeș, 1969 nov. syn.; *Epiblema foenella* (Linnaeus, 1758) = *Epiblema foenella* f. *fracta* Popescu-Gorj & Nemeș, 1965 nov. syn.; *Pelochrista decolorana* (Freyer, 1842) = *Pseudeucosma alexinschiana* Peiu & Nemeș, 1968 nov. syn.; *Nascia ciliaris* (Hübner, 1796) = *Calamotropha olarui* Nemeș, 1972 nov. syn.; *Scopula (Calothysanis) subpunctaria* (Herrich-Schäffer, 1847) = *Scopula peiui* Olaru, 1973 nov. syn.; *Idaea pallidata* (Denis & Schiffermüller, 1775) = *Sterrha constantineanui* Olaru, 1973 nov. syn.; *Idaea elongaria* (Rambur, 1833) = *Sterrha nemesi* Olaru, 1973 nov. syn.

Key words: Lepidoptera, museum collection, type specimens.

INTRODUCTION

During the last decades, major efforts have been made towards a better use of the natural history collections, in particular with regard to the needs of modern systematic studies. Pressures due to an increased need for more reliable systematic and faunistic data are facing the decreasing of the resources allocated for these studies as well as the significantly reduced amount of new specimens arrived from the recent collections made in the field. Within this new framework, collections that are

held in various categories of specialized institutions are gaining a new importance, and an increasing interest surrounds the recovery of the body of information that is associated with each specimen preserved in a natural history collection. Modern catalogues are becoming a useful tool of discovery, and not infrequently their achievement is the starting point for building in depth studies on the distribution and systematics of various taxa. In this respect, special attention is given to the type specimens associated with the scientific descriptions, the only capable to sustain a coherent and consistent revision work. Given the increased number of systematic catalogues and monographs, localization and proper documentation of the type specimens has become a critical task within the activities that characterizes the everyday work of a present-day museum curator.

As part of the Museum of Natural Sciences from Dorohoi patrimony, there are several entomological collections. Undoubtedly, the “Prof. Ioan Nemeş” Lepidoptera collection is by far the largest and, at the same time, the most important collection curated at Museum of Natural Sciences from Dorohoi. Currently, this collection hold about 105.000 specimens of Lepidoptera, mostly Microlepidoptera collected on the territory of Romania. This huge amount of specimens is a valuable piece of “ex situ” biodiversity that where incorporated into the patrimony of the above mentioned museum following a long series of acquisitions and donations which began in December 1974 and lasted until December 2008. The type specimens came into the possession of the Museum of Natural Sciences from Dorohoi in two phases, one in December 1975 and the other one in December 2008. These type specimens are covered by the present catalogue, which aims to be equally an accounting of the types deposited in the Museum of Natural Sciences from Dorohoi as well as a consistent and coherent basis for the studies regarding the systematic groups which include taxa whose types are found in the “Prof. Ioan Nemeş” Lepidoptera collection.

Further on, we present the catalogue of the type specimens from the “Prof. Ioan Nemeş” Lepidoptera collection. Within it, families are arranged in systematic order, while inside each family the taxa are arranged alphabetically. For each specimen, extensive information is provided regarding the kind of type, sex and wingspan, collecting place and conditions, genital slide (if present) and conservation status. Given that the retrieving of a number of type specimens allowed the reevaluation of the systematic status for several species, when necessary, a redescription followed by taxonomical comments is provided.

Family Nepticulidae

Original name: *Stigmella (Fomoria) niculescui* Nemeş, 1970.

Original description: Bulletin de la Société Entomologique de Mulhouse, 26: 33-35.

Current status: junior synonym of *Ectoedemia (Ectoedemia) klimeschi* (Skala, 1933) (van Nieukerken, 1985).

Specimens: holotype (catalogue number 23367) – 1 ♂ (5 mm wingspan), Suceava, Iţcani, 16.VI.1966, leg. Ioan Nemeş; gen. slide no. 1182, prep. Ioan Nemeş; paratype#1 (catalogue number 23366) – 1 ♂, (6 mm wingspan), Suceava, Iţcani, 16.VI.1966, leg. Ioan Nemeş; gen. slide no. 1182, prep. Ioan Nemeş; paratype#2 (catalogue number 23368) – 1 ♂, (5 mm wingspan), Suceava, Iţcani, 16.VI.1966, leg. Ioan Nemeş; paratype#3 (catalogue number 23369) – 1 ♂ (6 mm wingspan), Suceava, Iţcani, 16.VI.1966, leg. Ioan Nemeş; gen. slide no. 1181, prep. Ioan Nemeş.

Remarks. The holotype and the paratype#3 are in a relatively good condition, only lacking abdomen. The other two paratypes are severely damaged, without abdomina and lacking second pair of wings.

Original name: *Stigmella (Fomoria) peiuii* Nemeș, 1972.

Original description: Studii și Comunicări, Muzeul de Științele Naturii Bacău, 5: 153-156, fig. 1.

Current status: junior synonym of *Ectoedemia (Zimmermannia) longicaudella* Klimesch, 1953 (van Nieukerken, 1985).

Specimens: holotype (catalogue number 23370) – 1 ♂ (6 mm wingspan), Galați, Gârboavele forest, 7.VII.1968, leg. Ioan Nemeș; gen. slide no. 1299, prep. Ioan Nemeș; paratype#1 (catalogue number 23372) – 1 ♂, (5 mm wingspan), Galați, Gârboavele forest, 7.VII.1968, leg. Ioan Nemeș; paratype#2 (catalogue number 23373) – 1 ♂, (5 mm wingspan), Galați, Gârboavele forest, 7.VII.1968, leg. Ioan Nemeș; paratype#3 (catalogue number 23374) – 1 ♂, (6 mm wingspan), Galați, Gârboavele forest, 21.VII.1967, leg. Ioan Nemeș; paratype#4 (catalogue number 23375) – 1 ♂, (6 mm wingspan), Galați, Gârboavele forest, 21.VII.1967, leg. Ioan Nemeș; paratype#5 (catalogue number 23376) – 1 ♂, (6 mm wingspan), Galați, Gârboavele forest, 21.VII.1967, leg. Ioan Nemeș; paratype#6 (catalogue number 23377) – 1 ♂, (6 mm wingspan), Galați, Gârboavele forest, 21.VII.1967, leg. Ioan Nemeș.

Remarks. The holotype, the paratype#1, the paratype#2 and the paratype#5 are not spread and in relatively good condition (only the holotype's abdomen is lacking). The other three paratypes are damaged: paratype#3 has the left forewing broken, paratype#4 has the right forewing broken and the paratype#6 lacks both forewings.

Family Coleophoridae

Original name: *Amseliphora (Amselgia) assisti* Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 22-23; plate I, fig. 4; plate IV, fig. 20; plate XIII, fig. 75.

Current status: junior synonym of *Coleophora serpylletorum* Hering, 1889 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30349) – 1 ♂ (12 mm wingspan), Suceava, orchard in the town's outskirts, on the balcony of a mansion, 27.VII.1967, collected at 500 W mercury-vapour lamp, leg. Ioan Nemeș; gen. slide no. 2595, prep. Ioan Nemeș.

Remarks. The holotype is damaged, lacking the abdomen and both hindwings.

Original name: *Amseliphora (Amseliphora) seghedinii* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 18-19; plate I, fig. 5; plate IV, fig. 22; plate XVIII, fig. 102.

Current status: junior synonym of *Coleophora svenssoni* Baldizzone, 1985 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30.338) – 1 ♂ (6 mm wingspan), Cumpărătura (Suceava County), century-old hayfields from Ponoare reserve, about 11 km south of Suceava, 15.VII.1972, leg. Ioan Nemeș; gen. slide no. 2477, prep. Ioan Nemeș; paratype (catalogue number 33306) – 1 ♂ (6 mm wingspan), Cumpărătura (Suceava County), century-old hayfields from Ponoare reserve, about 11 km south of Suceava, 16.VI.1972, leg. Ioan Nemeș; gen. slide no. 2269, prep. Ioan Nemeș.

Remarks. Both the holotype and the paratype are not spread, but relatively well preserved, lacking only the abdomen.

Original name: *Aureliania (Nosyrislia) bucovinensis* Nemeş, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Muşatinii, Suceava: 41-42; plate II, fig. 9; plate XV, fig. 83; plate XIX, fig. 107.

Current status: junior synonym of *Coleophora saxicolella* (Duponchel, 1843) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30345) – 1 ♀ (7 mm wingspan), Cumpărătura (Suceava County), Century-old hayfields from Ponoare reserve, about 12 km south of Suceava, 16.VIII.1969, collected at light of incandescent light bulb, leg. Ioan Nemeş; gen. slide no. 2568, prep. Ioan Nemeş.

Remarks. The holotype is not spread, but relatively well preserved, lacking only the abdomen.

Original name: *Coleophora danilae* Nemeş, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Muşatinii, Suceava: 32-33; plate II, fig. 8; plate XIII, fig. 75; plate XIX, fig. 106.

Current status: junior synonym of *Coleophora auricella* (Fabricius, 1794) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30344) – 1 ♀ (7 mm wingspan), Galaţi, Gârboavele forest, “Căprioara” chalet, about 12 km north of Galaţi, 6.VII.1971, collected at 250 W mercury-vapour lamp, leg. Ioan Nemeş; gen. slide no. 2346, prep. Ioan Nemeş.

Remarks. The holotype is not spread, in a relatively good condition, lacking only the abdomen.

Original name: *Damophila moldaviella* Nemeş, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Muşatinii, Suceava: 9-10; plate I, fig. 2; plate XI, fig. 62; plate XVIII, fig. 99.

Current status: junior synonym of *Coleophora mayrella* (Hübner, 1813) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30341) – 1 ♀ (10 mm wingspan), Tazlău (Neamţ County), Tazlău river floodplain, about 25 km south of Piatra Neamţ, 12.VII.1972, collected by entomological net, leg. Ioan Nemeş; gen. slide no. 2821, prep. Ioan Nemeş.

Remarks. The holotype is well spread and in a relatively good condition, lacking only the abdomen.

Original name: *Hamuliella capusiella* Nemeş, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Muşatinii, Suceava: 42-43; plate II, fig. 10; plate X, fig. 59; plate XIII, fig. 76.

Current status: junior synonym of *Coleophora bagorella* Falkovitsh, 1977 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30352) – 1 ♀ (13 mm wingspan), Letea forest (Tulcea County), about 3-4 km south-west of C. A. Rosetti, 1.IX.1967, collected by shaking the bushes, leg. Ioan Nemeş; gen. slide no. 2644, prep. Ioan Nemeş.

Remarks. The holotype is well spread and in a relatively good condition, lacking only the distal half of the abdomen.

Original name: Hamuliella patrasculi Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 40-41; plate II, fig. 9; plate X, fig. 55; plate XIV, fig. 78.

Current status: junior synonym of *Coleophora pseudociconiella* Toll, 1952 (Baldizzone, 2005)

Specimen: holotype (catalogue number 30356) – 1 ♀ (8 mm wingspan), Gura Văii (Mehedinți County), about 6 km to north-west, the hydroelectric power plant's dam, 2.VII.1967, leg. Ioan Nemeș; gen. slide no. 2466, prep. Ioan Nemeș.

Remarks. The holotype is not spread, but relatively well preserved, lacking only the abdomen.

Original name: Hamuliella tanasella Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 39-40; plate II, fig. 8; plate V, fig. 28; plate XIV, fig. 77.

Current status: junior synonym of *Coleophora aestuariella* Bradley, 1984 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30351) – 1 ♂ (10 mm wingspan), Letea (Tulcea County), about 4 km west from C. A. Rosetti, 30.VII.1975, collected at Petromax paraffin lamp, leg. Ioan Nemeș; gen. slide no. 2514, prep. Ioan Nemeș.

Remarks. The holotype is damaged, lacking the abdomen and both left wings. Two male paratypes syntopic with the holotype were collected at the same location, on 31.VII.1975. These specimens haven't been found in Prof. Ioan Nemeș's collection.

Original name: Ischnophanes davidii Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 13-14; plate I, fig. 1; plate III, fig. 11; plate XIII, fig. 72.

Current status: junior synonym of *Coleophora partitella* Zeller, 1849 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30346) – 1 ♂ (9 mm wingspan), Păltinoasa (Suceava County), the edge of the forest between Ilișești and Păltinoasa, near the road E-576, 22.VI.1967, collected by entomological net, leg. Ioan Nemeș; gen. slide no. 2645, prep. Ioan Nemeș.

Remarks. The holotype is not spread, but in relatively good condition, lacking only the abdomen.

Original name: Klinzigedia litorella Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 32-33; plate I, fig. 5; plate XI, fig. 64; plate XIV, fig. 81.

Current status: junior synonym of *Coleophora onopordiella* Zeller, 1849 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30350) – 1 ♀ (10 mm wingspan), Eforie Sud (Constanța County), on ruderal vegetation along the road E-87, 12.VII.1971, collected by entomological net, leg. Ioan Nemeș; gen. slide no. 2237, prep. Ioan Nemeș.

Remarks. The holotype is damaged, lacking the abdomen and left forewing.

Original name: Kuznetzovvlia vicolii Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 20-21; plate I, fig. 3; plate IV, fig. 17; plate XIII, fig. 74.

Current status: junior synonym of *Coleophora conyzae* Zeller, 1868 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30348) – 1 ♂ (9 mm wingspan), Ivești (Galați County), about 21 km southeast of Tecuci, 7.VII.1971, leg. Ioan Nemeș; gen. slide no. 2332, prep. Ioan Nemeș.

Remarks. The holotype is not spread, but in a relatively good condition, lacking only the abdomen.

Original name: *Lavaria graurii* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 30-31; plate II, fig. 7; plate VII, fig. 36; plate XIX, fig. 105.

Current status: junior synonym of *Coleophora filaginella* Fuchs, 1881 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30343) – 1 ♂ (8 mm wingspan), Galați, Gârboavele forest, about 16 km north of Galați, 23.VI.1970, leg. Ioan Nemeș; gen. slide no. 2330, prep. Ioan Nemeș.

Remarks. The holotype is almost completely destroyed, lacking the abdomen, left forewing and both hindwings.

Original name: *Membrania (Longibacillia) stanoiuii* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 15-16; plate I, fig. 4; plate IV, fig. 19; plate XVIII, fig. 101.

Current status: junior synonym of *Coleophora colutiella* (Fabricius, 1794) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30339) – 1 ♂ (7 mm wingspan), Galați, Gârboavele forest, “Căprioara” chalet, about 14 km north of Galați, 6.VII.1971, collected at mercury-vapour lamp, leg. Ioan Nemeș; gen. slide no. 2219, prep. Ioan Nemeș.

Remarks. The holotype is not spread, but in a relatively good condition, lacking only the abdomen.

Original name: *Metriotes bucovinella* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 6-7; plate I, fig. 1; plate XI, fig. 58; plate XVIII, fig. 98.

Current status: junior synonym of *Metriotes lutarea* (Haworth, 1828) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30340) – 1 ♀ (10 mm wingspan), Cumpărătura (Suceava County), century-old hayfields from Ponoare reserve, about 12 km south of Suceava, 23.IV.1972, collected by entomological net, leg. Gheorghe Pătrașcu; gen. slide no. 2572, prep. Ioan Nemeș.

Remarks. The holotype is almost completely destroyed, lacking the abdomen, left forewing and both hindwings.

Original name: *Multicoloria alexinschiella* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 25-26; plate I, fig. 6; plate VI, fig. 30; plate XVIII, fig. 103.

Current status: junior synonym of *Coleophora ballotella* (Fischer von Röslerstamm, 1839) (Baldizzone, 2005).

Specimen: holotype (catalogue number 30342) – 1 ♂ (7 mm wingspan), Tâtarca (Galați County), about 25 km north of Galați, on the side of the national

road 26, on ruderal vegetation, 21.VII.1967, collected by entomological net, leg. Ioan Nemeș; gen. slide no. 2321, prep. Ioan Nemeș.

Remarks. The holotype is mounted on a poor quality pin, which, in time, has slightly bent under the specimen. Even not spread, the holotype is in a good condition, lacking only the abdomen.

Original name: *Patzakia dragusanii* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 48-50; plate II, fig. 11; plate XVI, fig. 91; plate XIX, fig. 109.

Current status: junior synonym of *Coleophora silenella* Herrich-Schäffer, 1855 (Baldizzone, 2005)

Specimen: holotype (catalogue number 30330) – 1 ♀ (8 mm wingspan), Șendreni (Galați County), about 15 km west of Galați, on the side of the road E-581, on ruderal vegetation, 6.VII.1968, leg. Ioan Nemeș; gen. slide no. 2323, prep. Ioan Nemeș.

Remarks. The holotype is damaged – it lacks the abdomen and left forewing.

Original name: *Quadratia bucovinae* Nemeș, 2004.

Original description: Coleophoridae din România, Nota VII, Edit. Mușatinii, Suceava: 14-15; plate I, fig. 3; plate XII, fig. 66; plate XVIII, fig. 100.

Current status: junior synonym of *Coleophora fuscociliella* Zeller, 1849 (Baldizzone, 2005).

Specimen: holotype (catalogue number 30337) – 1 ♀ (5 mm wingspan), Cumpărătura (Suceava County), Century-old hayfields from Ponoare reserve, 11.VI.1971, collected at Petromax paraffin lamp, leg. Ioan Nemeș; gen. slide no. 2703, prep. Ioan Nemeș.

Remarks. The holotype is not spread, but in relatively good condition, lacking only the abdomen.

Original name: *Stollia lygia* Nemeș, 2003.

Original description: Coleophoridae din România, Nota VI, Edit. Mușatinii, Suceava: 45-46; plate II, fig. 6; plate VIII, fig. 46; plate XII, fig. 71; plate XIV, fig. 80.

Current status: junior synonym of *Coleophora binotapennella* (Duponchel, 1843) (Baldizzone, 2005).

Specimens: holotype (catalogue number 30353) – 1 ♂ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen. slide no. 2691, prep. Ioan Nemeș; paratype#1 (catalogue number 33307) – 1 ♀ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen. slide no. 2688, prep. Ioan Nemeș; paratype#2 (catalogue number 33308) – 1 ♀ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen. slide no. 2694, prep. Ioan Nemeș; paratype#3 (catalogue number 33309) – 1 ♀ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen. slide no. 2695, prep. Ioan Nemeș; paratype#4 (catalogue number 33310) – 1 ♀ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen. slide no. 2696, prep. Ioan Nemeș; paratype#5 (catalogue number 33311) – 1 ♂ (7 mm wingspan), Lespezi (Iași County), near the Siret river floodplain, 1.VIII.1966, collected at incandescent light bulb, leg. Ioan Nemeș; gen.

slide no. 2697, prep. Ioan Nemeş; paratype#6 (catalogue number 33354) – 1 ♀ (7 mm wingspan), Lespezi (Iaşi County), near the Siret river floodplain, 1.VIII.1966, collected at the light of a incandescent light bulb, leg. Ioan Nemeş; gen. slide no. 2573, prep. Ioan Nemeş.

Remarks. The holotype is relatively well preserved, lacking only the abdomen. The paratypes are not spread. Whilst the paratypes#01, #02 and #06 are in relatively good condition, lacking only the abdomina, the rest of the paratypes are severely damaged: the paratype#03 is lacking both right wings and the abdomen, the paratype#04 is lacking the right forewing, both hindwings and the abdomen and the paratype#05 is lacking the left forewing and the abdomen.

Family Tortricidae

Original name: *Ancylis bucovinella* Peiu & Nemeş, 1969.

Original description: Comunicări de Zoologie, Prima Consfătuire Națională de Biologie, Bucureşti, 7 (2): 166.

Current status: junior synonym of *Ancylis uncella* (Denis & Schiffermüller, 1933) nov. syn.

Specimen: holotype (catalogue number 23390) – 1 ♂ (17 mm wingspan), Poiana Stampei (Suceava County), 10.VI.1962, leg. Ioan Nemeş; gen. slide no. 209, prep. Mihai Peiu.

Remarks. This species was described only on the basis of a single specimen. In the revised systematic list of Microlepidoptera reported from Romania, Popescu-Gorj (1984) mentions this taxon as being of uncertain status. The catalogue of Lepidoptera of Romania (Rákosy & all., 2003) states that the validity of this species requires confirmation. Razowski (2003) mentions *bucovinella* Peiu & Nemeş, 1969 as *species incertae sedis* within genus *Ancylis* Hübner, 1825 (page 56, number 151). He also points out that he was unable to locate the types and the published description does not allow drawing any conclusion.

The specimen (Fig. 1) is slightly damaged and without abdomen. Its external morphology provides only few useful characters for proper identification. Forewings are pale brownish, most of pattern elements being rather elusive. Nevertheless, other characters are easily recognizable, such as the falcate apex of the forewing, brown markings mixed with rusty scales and the costal strigulae, of which the last two pairs are white. The hindwings are grey-brown with lighter cilia.

Several useful characters are well visible in the structure of the male genitalia (Fig. 2). The arms of the uncus are larger and stronger in comparison with the closely related species *Ancylis unguicella* (Linnaeus, 1758). The cucullus is slender and relatively elongated, without prominent apico-ventral bend. In all, if compared with Razowski, 2003 (Plate 13, fig. 129), the morphology of the male genitalia leaves no doubt that the specimen in question is indeed a male of *Ancylis uncella* (Denis & Schiffermüller, 1933).

Original name: *Epiblema foenella* f. *fracta* Popescu-Gorj & Nemeş, 1965.

Original description: Travaux du Muséum d'Histoire Naturelle "Grigore Antipa", 5: 166, fig. 3.

Current status: junior synonym of *Epiblema foenella* (Linnaeus, 1758) nov. syn.

Specimens: paratype#1 (catalogue number 23394) – 1 ♂ (21 mm wingspan), 28.VI.1964. There are no data on the label concerning the locality where the



Fig. 1 - *Ancylys bucovinella* Peiu & Nemeș, 1969, holotype: ♂, Poiana Stampei (Suceava County), 10.VI.1962, leg. Ioan Nemeș, Prof. Ioan Nemeș collection, the Museum of Natural Sciences Dorohoi, Botoșani County.

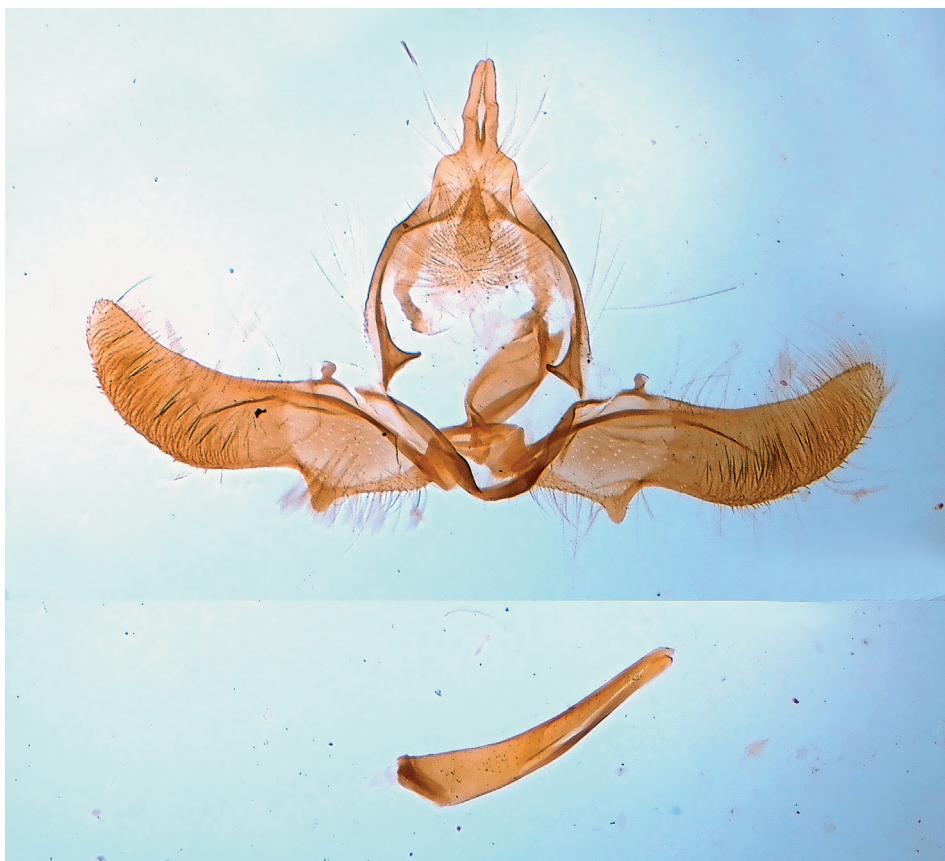


Fig. 2 - *Ancylys bucovinella* Peiu & Nemeș, 1969, holotype's genitalia: genital slide no. 209, prep. Mihai Peiu.

specimen was collected; paratype#2 (catalogue number 23395) – 1 ♂ (22 mm wingspan), 18.VIII.1967. There are no data on the label concerning the locality where the specimen was collected; paratype#3 (catalogue number 23396) – 1 ♂ (19 mm wingspan), Suceava, 21.VII.1966, leg. Ioan Nemeş.

Remarks. All three specimens are well spread and in good condition.

The original description is extremely brief and refers to only two specimens: two males, both of them captured at Suceava, on 20.VII.1959 (holotype) and 26.VI. (paratype). Also, it states that the holotype, presented in the figure 3 of the paper, is found in the collection of the “Grigore Antipa” National Museum of Natural History. The holotype was completely destroyed, and only two labels remained on its pin: the collecting label (“Suceava, 20.VII.1959”) and a label handwritten in red with the remark “the type in (the) Gr.(igore) Antipa (National Museum of Natural History) collection” (?!?). Also, possible omissions and mistakes in the original description as well as in labeling the specimens can be considered.

Original name: *Pseudeucosma alexinschiana* Peiu & Nemeş, 1968.

Original description: Revue roumaine de biologie, Série de Zoologie, 13 (5): 337-343, figs 3 a, b, 5, 6.

Current status: junior synonym of *Pelochrista decolorana* (Freyer, 1842) nov. syn.

Specimen: holotype (catalogue number 23391) – 1 ♂ (15 mm wingspan), Gropeni, Balta Brăilei (Brăila County), 13.VI.1967, leg. Ioan Nemeş; gen. slide no. 1287, prep. Ioan Nemeş.

Remarks. The description of this species was based on two specimens. It was omitted from the revised systematic list of the Microlepidoptera reported for Romania (Popescu-Gorj, 1984). In the catalogue of Lepidoptera of Romania, Rákossy & all. (2003) states that the validity of this species requires confirmation; however, they assume that the presence of this species in Dobrogea is possible (!?!). Razowski (2003) states that *alexinschiana* Peiu & Nemeş, 1968 is known to him from the literature only, and considers the taxon as *species incertae sedis* within genus *Pelochrista* Lederer, 1859 (page 84, number 258). He also points out that “the illustrations of the genitalia are too superficial to assess the characters”, but he mentions that “externally it resembles much *decolorana* or *obscurana*”.

The specimen (Fig. 3) is slightly damaged and without abdomen. Forewings are creamy brownish sprinkled, dotted and suffused brownish. Costal strigulae are creamy, small. Speculum is slightly paler than the adjacent parts, with weaker and reduced, but clearly discernible inner pattern elements. Remnants of the postbasal fascia tend to form a median spot. The hindwings are creamy paler with cilia brownish grey.

In the male genitalia (Fig. 4), the uncus is rounded and the sacculus is somewhat shorter than half of the length of the valva, the neck is slender medially. The cucullus is short, rounded, with 4-5 ventral spines. If compared with Razowski, 2003 (Plate 22, fig. 225), the morphology of the male genitalia distinctly resembles those of *Pelochrista decolorana* (Freer, 1842), which is an undisputed evidence for the new synonymy.



Fig. 3 - *Pseudeucosma alexinschiana* Peiu & Nemeș, 1968, holotype: ♂, Gropeni, Balta Brăilei (Brăila County), 13.VI.1967, leg. Ioan Nemeș, Prof. Ioan Nemeș collection, the Museum of Natural Sciences Dorohoi, Botoșani County.



Fig. 4 - *Pseudeucosma alexinschiana* Peiu & Nemeș, 1968, holotype's genitalia: genital slide no. 1287, prep. Ioan Nemeș.

Family Crambidae

Original name: *Calamotropha olarui* Nemeş, 1972.

Original description: Studii și Comunicări, Muzeul de Științe ale Naturii Dorohoi, 1972: 165-168.

Current status: junior synonym of *Nascia ciliaris* (Hübner, 1796) nov. syn.

Specimen: holotype (catalogue number 23398) – 1 ♀ (24 mm wingspan), Sulina (Tulcea County), 9.VII.1971, leg. Ioan Nemeş; gen. slide no. 1856, prep. Ioan Nemeş.

Remarks. This species has a highly controversial status. Described after a single female specimen, it was omitted both by Popescu-Gorj (1984) and by Ganey (in Karsholt & Razowski, 1996). Rákosy & all. (2003) states that the drawing of the female genitalia submitted by Nemeş in its paper differs from other known species, considering that a confusion with an aberrant specimen of *Calamotropha aureliellus* (Fischer von Röslerstamm, 1841) seems to be excluded. Nevertheless, recalling the opinion of Rákosy & all. (2003), Slamka (2008) considers that the female specimen used for the description of *Calamotropha olarui* Nemeş, 1972 may be (?!?) an abnormal specimen of *Calamotropha aureliellus* (Fischer von Röslerstamm, 1841).

The specimen (Fig. 5) is slightly damaged, lacking both antennae and abdomen, and is badly spread. The ground colour of the forewings is yellow-orange, with slightly silky gloss. All over the forewing's upper side, the pattern is rather indistinct; all that remains is a slight suffusion of dark carmine scales, more intense along the costal margin. Hindwings are yellowish-white with oily gloss; their fringes are whitish.

The genitalia (Fig. 6) have a narrow, rectangular VIII tergite, with the lateral margins folded. Anal papillae are elongated, with parallel and slightly



Fig. 5 - *Calamotropha olarui* Nemeş, 1972, holotype: ♀, Sulina (Tulcea County), 9.VII.1971, leg. Ioan Nemeş, Prof. Ioan Nemeş collection, the Museum of Natural Sciences Dorohoi, Botoșani County.



Fig. 6 - *Calamotropha olarui* Nemeș, 1972, holotype's genitalia: genital slide no. 1856, prep. Ioan Nemeș.

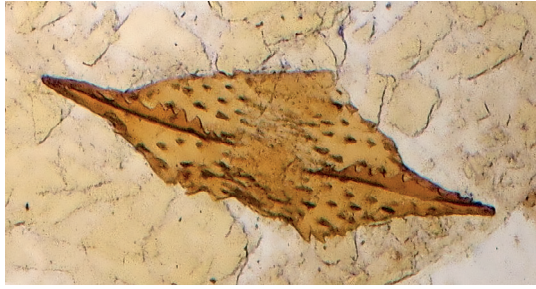


Fig. 7 - *Calamotropha olarui* Nemeş, 1972, holotype's genitalia: signum.

curved sides. Anterior apophyses are about 2.5 longer than the width of VIII tergite, posterior apophyses short. Antrum and ostium bursae are relatively large. Ductus bursae is simple, thin and elongated. Bursa copulatrix is almost spherical, slightly elongated; close to its bottom, a single almost lenticular singum with transversal position is presented. Although the original drawing (Nemeş, 1972b) does not reveal any structural details except for a great number of tiny spines, the signum (Fig. 7) shows a strong, longitudinal dentate ridge, broken in the middle; however, the surface of the signum is, covered with multiple tiny spines indeed. If compared with both Kirpichnikova (*in* Ler, 1999) and Slamka (2013), the morphology of the female genitalia shows insignificant differences with the genitalia of *Nascia ciliaris* (Herrich-Schäffer, 1847).

Family Geometridae

Original name: *Cyclophora pupillaria* f. *bucovinaria* Nemeş, 1970.

Original description: Studii și comunicări de Științe Naturale, Muzeul Județean Suceava: 78; plate I, fig. 1.

Current status: junior synonym of *Cyclophora* (*Cyclophora*) *pupillaria* (Hübner, 1799) (see Hausmann, 2004, page 410).

Specimen: holotype (catalogue number 23405) – 1 ♀ (22 mm wingspan), Suceava, 14.VIII.1961, leg. Ioan Nemeş.

Remarks. The specimen is well spread and in good condition.

Original name: *Scopula peiui* Olaru, 1973.

Original description: Studii și Comunicări de Ocrotirea Naturii, Muzeul Județean Suceava, 3: 466-467, fig. 3.

Current status: junior synonym of *Scopula* (*Calothysanis*) *subpunctaria* (Herrich-Schäffer, 1847) nov. syn.

Specimens: holotype (catalogue number 23401) – 1 ♂ (20 mm wingspan), Galați, Gârboavele forest, 15.VII.1967, leg. Vladimir Olaru; gen. slide no. 1650, prep. Vladimir Olaru; paratype (catalogue number 23401) – 1 ♂ (27 mm wingspan), Galați, Gârboavele forest, 15.VII.1967, leg. Vladimir Olaru.

Remarks. The description of this species was based on two male specimens. Ever since the publication of its description, neither Vladimir Olaru nor any other author have reported it. The species lacks from any systematic list or catalogue concerning Romanian (Popescu-Gorj, 1987; Stănescu, 1997; Rákósy & all., 2003), European (Müller *in* Karsholt & Razowski, 1996; Hausmann, 2004) or worldwide fauna (Scoble, 1999). Moreover, for many years nothing was known about the type

specimens, since it is not in the Dr. Vladimir Olaru's collection, currently preserved at the Natural Sciences Museum Complex Galați (Marcu & Rákósy, 2002).

The holotype is not spread and lacks the abdomen, whilst the paratype (Fig. 8) is well spread and intact. Ground colour is glossy white, with transverse lines yellowish grey. On forewing costa, medial and postmedial lines slightly bent towards the base of the wing. Discal spots are distinct on both pairs of wings.

In the male genitalia (Olaru, 1973), the saccus is broad and round. The socii are very long, terminally curved, flag-shaped. The aedeagus bears a sclerite at its tip. Sternum A8 has both cerata symmetrical, long and curved. If compared with Hausmann, 2004, the morphology of the male genitalia demonstrates that the specimen in question is a male of *Scopula (Calothyranis) subpunctaria* (Herrich-Schäffer, 1847).

Original name: *Sterrha constantineanui* Olaru, 1973.

Original description: Studii și Comunicări de Ocrotirea Naturii, Muzeul Județean Suceava, 3: 464, fig. 1.

Current status: junior synonym of *Idaea pallidata* (Denis & Schiffermüller, 1775) nov. syn.

Specimen: holotype (catalogue number 23400) – 1 ♂ (17 mm wingspan), Galați, Gârboavele forest, 21.VII.1967, leg. Vladimir Olaru; gen. slide no. 124, prep. Vladimir Olaru.

Remarks. This species was described after a single specimen and the holotype is the only known specimen belonging to this taxon. Similar to the previous species, it was not reported in any systematic list or catalogue concerning Romanian (Popescu-Gorj, 1987; Stănescu, 1997; Rákósy & all., 2003), European (Müller *in*



Fig. 8 - *Scopula peiui* Olaru, 1973, paratype: ♂, Galați, Gârboavele forest, 15.VII.1967, leg. Vladimir Olaru, Prof. Ioan Nemeș collection, the Museum of Natural Sciences Dorohoi, Botoșani County.

Karsholt & Razowski, 1996; Hausmann, 2004) or worldwide fauna (Scoble, 1999). Moreover, for many years nothing was known about the type specimen, since it is not present in the collection of Dr. Vladimir Olaru, currently preserved at the Natural Sciences Museum Complex Galați (Marcu & Rákosy, 2002).

The holotype (Fig. 9) is damaged, with the right forewing half broken. Ground colour is sandy. The forewings have a slight black suffusion towards costa. On both wings, the transverse lines are pale brown; there are two pale distally from the postmedial line, concolorous with the ground colour. There are no discal spots and fringe dots.

In the male genitalia (Olaru, 1973), the uncus is slender, digitiform and the gnathos is slightly broader. The saccus is narrow, distinctly projecting. The valva is long, with a sharp triangular dorsal process at its two-thirds. The aedeagus is slender, with weakly sclerotised needle-shaped cornutus in the middle and a stout hook at its tip. In all, if compared with Hausmann, 2004, the morphology of the male genitalia leaves no doubt that the specimen in question is a male of *Idaea pallidata* (Denis & Schiffermüller, 1775). Besides, in the original description, Olaru himself admits that the new species is closely related to *Idaea pallidata* (Denis & Schiffermüller, 1775), from which "... it does not differ but the (ground) colour slightly lighter, straw yellow, with a slight pink hue...".

Original name: *Sterrrha nemesi* Olaru, 1973.

Original description: Studii și Comunicări de Ocrotirea Naturii, Muzeul Județean Suceava, 3: 465-466, fig. 2.

Current status: junior synonym of *Idaea elongaria* (Rambur, 1833) nov. syn.

Specimen: holotype (catalogue number 23402) – 1 ♂ (15 mm wingspan), Galați, Gârboavele forest, 20.V.1967, leg. Vladimir Olaru.

Remarks. This species was described also after a single specimen; hence, the holotype is the only known specimen belonging to this taxon. As with the previous two species, it lacks from any systematic list or catalogue concerning Romanian (Popescu-Gorj, 1987; Stănescu, 1997; Rákosy et al., 2003), European (Müller in Karsholt & Razowski, 1996; Hausmann, 2004) or worldwide fauna (Scoble, 1999). Moreover, for many years nothing was known about the type specimen, since it lacks from Dr. Vladimir Olaru's collection, currently preserved at the Natural Sciences Museum Complex Galați (Marcu & Rákosy, 2002).

The holotype (Fig. 10) is slightly damaged, with the apex of the left forewing broken. The apex of the forewing is pointed. The ground colour is dirty white. The transverse lines are straight, parallel to each other, oblique; the postmedial line is slightly dentate. Even hardly discernible, discal spots are presented on both wings.

In the male genitalia (Olaru, 1973), the uncus is bottle-shaped. The valva is bent in the last fourth, slightly dilated subterminally. The aedeagus is short and broad, with a single cornutus. If compared with Hausmann, 2004, it is hard to find any differences with the male genitalia of *Idaea elongaria* (Rambur, 1833).

Trying to find the place of the newly described species within its genus, in the original description, Olaru considers that, according to its habitus, *Sterrrha nemesi* is similar to *Idaea dilutaria* (Hübner, 1799), but "...the genitalia are entirely different". Taking into account the structure of the male genitalia, Olaru believes that *Sterrrha nemesi* is similar to *Idaea inornata* Haworth, 1809 – currently a junior synonym of *Idaea straminata* (Borkhausen, 1794) – and *Idaea obsoletaria* (Rambur, 1833). *Idaea elongaria* (Rambur, 1833) is included in the *obsoletaria* species group



Fig. 9 - *Sterrha constantineanui* Olaru, 1973, holotype: ♂, Galați, Gârboavele forest, 21.VII.1967, leg. Vladimir Olaru, Prof. Ioan Nemeș collection, the Museum of Natural Sciences Dorohoi, Botoșani County.



Fig. 10 - *Sterrha nemesi* Olaru, 1973, holotype: ♂, Galați, Gârboavele forest, 20.V.1967, leg. Vladimir Olaru, Prof. Ioan Nemeș collection, the Museum of Natural Sciences Dorohoi, Botoșani County.

(von Sterneck, 1940; Hausmann, 2004), but the other two species are, speaking in terms of systematics, relatively distant.

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CATALOGUL EXEMPLARELOR TIP DIN COLECȚIA DE LEPIDOPTERE "PROF. IOAN NEMEȘ" DE LA MUZEUL DE ȘTIINȚELE NATURII DOROHOI (JUDEȚUL BOTOȘANI, ROMÂNIA)

REZUMAT

Colecția care a aparținut Prof. Ioan Nemeș (1924-2009), conservată în prezent la Muzeul de Științele Naturii din Dorohoi (județul Botoșani) este una dintre cele mai importante și mai valoroase colecții de lepidoptere conservate într-un muzeu din România. În cadrul acestei colecții au fost identificate 47 exemplare tip care au servit la descrierea unui număr de 28 specii și alți taxoni infraspecifici din 5 familii de lepidoptere: Nepticulidae, Coleophoridae, Tortricidae, Crambidae și Geometridae. Toate aceste exemplare provin din colectări realizate pe teritoriul României. Unele dintre exemplarele tip identificate aparțin unor taxoni cu poziție controversată, a căror descriere originală este superficială și deficitară. Descoperirea acestor exemplare tip a permis, în sfârșit, evaluarea statutului unor taxoni și stabilirea următoarelor noi sinonimii: *Ancylis uncella* (Denis & Schiffermüller, 1933) = *Ancylis bucovinella* Peiu & Nemeș, 1969 nov. syn.; *Epiblema foenella* (Linnaeus, 1758) = *Epiblema foenella* f. *fracta* Popescu-Gorj & Nemeș, 1965 nov. syn.; *Pelochrista decolorana* (Freyer, 1842) = *Pseudeucosma alexinschiana* Peiu & Nemeș, 1968 nov. syn.; *Scopula (Calothysanis) subpunctaria* (Herrich-Schäffer, 1847) = *Scopula peiui* Oлару, 1973 nov. syn.; *Idaea pallidata* (Denis & Schiffermüller, 1775) = *Sterrrha constantineanui* Oлару, 1973 nov. syn.; *Idaea elongaria* (Rambur, 1833) = *Sterrrha nemesi* Oлару, 1973 nov. syn.

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