A catalogue of type specimens of the Tortricidae described by
V. I. Kuznetzov from Vietnam and deposited in the
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by
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Abstract: 67 species described by V. Kuznetzov from Vietnam are listed with short comments on the type series including descriptions of their labels. Colour images of the holotypes are given (col. pl. 7-9). Descriptions of ♀♀ of five species are provided and their genitalia are figured.


Introduction: Vladimir Ivanovich Kuznetzov (1929-2008) (figs 1-5) is one of the most famous modern Russian lepidopterologists. He was born 28.II.1929 in Kingsiepp, Leningrad Region. His father was née Egorov and he was born into the family of a smith. Therefore he was known at school as a smith’s son, in Russian transcription as Kuznetzov (=Kuznetz’s son). Thus, the family name Kuznetzov is in some sense a pseudonym. During The Second World War Kuznetzov lost his mother and lived in an orphanage until his father came back from the War. After that, Vladimir Kuznetzov finished secondary school in Leningrad and entered the biological faculty of Leningrad State University in 1946. He finished there in 1951 and completed his PhD in 1954. In 1955 Kuznetzov became a staff member at the Zoological Institute of the Russian Academy of Sciences in Leningrad, Russia (ZISP) where he worked for 52 years. He took part in several expeditions and published more than 200 papers devoted to Lepidoptera, especially Tortricidae. Most of his works dealt with the Palearctic fauna, but some of them were based on material from the Oriental Region. In total, Kuznetzov described 394 taxa, 295 of them Tortricidae. He died 22.VIII.2008 in St. Petersburg and was cremated at Smolenskoe Cemetery.

Twice in his lifetime, in 1986 and 1988, Kuznetzov visited Vietnam as a member of Soviet-Vietnamese zoological expeditions. The first field trip was carried out in spring and all material was collected in the Northern provinces: Son La, Vinh Phuc and Thái Nguyên (earlier Bùc Thái). The second trip was in autumn (9.XI.-22.XII.) and during this time Kuznetzov visited the south of the country in the Gia Lai (earlier Gia Lai-Kon Tum) province. A huge amount of lepidopterous material was collected by Kuznetzov in Vietnam and all of it is now deposited in the collection of ZISP. As a result of his expeditionary work, Kuznetzov published 13 papers devoted to Tortricidae of Vietnam but only one of them was in English. In these works he listed 225 species, described 67 of them as new, and established 5 new genera.

Investigation of the type material is an important part of all taxonomic studies but detailed descriptions of the species, with figured genitalia of both sexes and coloured images of the moths, make the work much easier. Descriptions of Tortricidae from Vietnam published by Kuznetzov in 1988-2003 are quite full and figures of genitalia structures are very good. Unfortunately, he gave no photos of the type specimens and all his descriptions were published in Russian. So the work with Kuznetzov’s papers is very complicated without knowledge of the Russian language.

In recent years the volume of newly collected material from South-East Asia has really increased; a lot of new species are described recently from this region. At the same time, coloured images are very important for the comparison of new material with the species already described to avoid making synonyms. Since Kuznetzov’s types have never been examined by other workers, almost all of them are placed now in the same genera as in the original description. Very few of them were synonymized and mentioned by other workers at all. The reason is probably the difficulty in interpreting species described by Kuznetzov without images. Another problem is that some species were described by Kuznetzov based on a single specimen, in most cases ♀♀, and ♀♀ are unknown.

All Vietnamese Tortricidae collected by Kuznetzov were arranged taxonomically within the main collection of ZISP. Each specimen has a standard white printed label with the name of the locality (in English). Most of them have a label with the name of the species written in ink by Kuznetzov’s hand. All type specimens kept in the main collection have a red label with printed text “Holotypus” or “Paratypus” and the name of the species written in ink by Kuznetzov’s hand. Kuznetzov never made genitalia slides and all genitalia preparations are mounted with sugar on the paper plates and put on the species needles under the locality labels. Surprisingly, types of several species described by Kuznetzov were not found in the main collection. However, three drawers of Vietnamese Tortricidae were found in the cabinet where Kuznetzov deposited all material he currently worked on. Some of those Tortricidae were determined by him and marked with the species name on a label. Others are undetermined or bear handwritten labels with the name of the genus or different comments (in Russian). All missing types were found in these drawers, but only a few of them were marked with red type labels. So specimens belong to the type series were discovered by comparison of their labels with the original descriptions. Names of localities mentioned on Kuznetzov’s labels often differ from modern names and in some cases it is difficult to find them on the map. Therefore the list of collecting localities by Kuznetzov is given below with notes on real names and coordinates of corresponding places.

1. Prov. Sonla, Naniu - According to the map published by Kuznetzov in 2000, this locality is situated between 22° 07’ and 22° 11’ N, 102° 59’ and 103° 09’ E. Probably this point on the map was identified by Kuznetzov inexacty and actually corresponds to Bàn Nâm Nhi.setHeader 22° 08’ N, 102° 45’ E.
2. Prov. Sonla, Chiengkhouan or Chienghouan - Province Son La, Bân Chiêng Khoang, 21° 33’ N, 103° 40’ E.
Plate 1: (1) Vladimir Ivanovich Kuznetsov nearly in 1950th. (2) Lepidopterologists in the laboratory of the Zoological Institute of the Russian Academy of Sciences in Leningrad, Russia, 1968; from the left: Alexander Sergeevich Danilevsky, Alexey Nikolaevich Diakonoff, Mark Isaakovich Falkovitsch, Vladimir Ivanovich Kuznetsov, Alexey Konstantinovich Zagulaev. (3) V. I. Kuznetsov (on the left) working with collected material in expeditionary trip with Wojiek Pulawski (on the right) to Tadjikistan, ravine Kondara, July of 1976. (4) V. I. Kuznetsov in his office, the end of 1980th. (5) V. I. Kuznetsov (on the left) with Clas M. Naumann who visited Leningrad, Russia in 1992.
3. Prov. Vinhphu, Tamdao - Province Vinh Phuc, Tam Đảo, 21° 27' N, 105° 37' E.
4. Prov. Vinhphu, Hanoi - Province Vinh Phuc, Hanoi, 21° 01' N, 105° 50' E.
5. Prov. Bacthai, ThaiNguyen - Province Thái Nguyên (earlier Bắc Thái), Thái Nguyên, 21° 33' N, 105° 51' E.
6. Prov. Gialai or Gialai-Kontum, Kannak - Province Gia Lai (earlier Gia Lai-Kon Tum), Kannack, 14° 07' N, 108° 36' E.
7. Prov. Gialai or Gialai-Kontum, Tramlap - Province Gia Lai (earlier Gia Lai-Kon Tum), Tram Lap, 14° 26' N, 108° 32' E.

In this paper I provide images of species described by Kuznetzov from Vietnam. All are listed in alphabetical order. For each species the following information is given:
1. Original reference.
2. Types: number of specimens included in the type series according to the original description and their labels.
3. Comments: additional data concerning the type series and number of the type specimens actually deposited in the collection of ZISP.
4. Distribution of the species according to the published data and the material deposited in ZISP and collected by V. Kuznetzov, V. Zolotuhin and the author of the present paper.

If necessary, taxonomic notes are given also for several species. They include the principal works concerning the status of the species name, or transferring the species into another genus. In cases of taxonomic changes, the present status of the species is given based on recent publications. Descriptions of ¶ of five species, unknown until now, are given in the taxonomic appendix under the list of Kuznetzov's species.

**Tortricidae described by V. I. Kuznetzov from Vietnam**

1. **abstrusana** Kuznetzov, 1988 (colour plate 8: 36)
   - Temnothorax abstrusana Kuznetzov, 1988, Trudy vesnyozvunogo entomologicheskogo obshchestva 70: 172, fig. 5: 2.
   - Comments: The ♀ of this species is still unknown. Distribution: North Vietnam: Hanoi, Tam Đảo.

2. **albitegulana** Kuznetzov, 1997 (colour plate 7: 4)
   - Comments: The ♀ is unknown. Distribution: Known only from the type locality.

3. **ancyloides** Kuznetzov, 1988 (colour plate 7: 18)
   - Comments: The ♀ of this species is described in the same paper: Kuznetzov (1988a: 630, fig. 20).
   - Distribution: Known only from the type locality.

4. **anteellana** Kuznetzov, 1988 (colour plate 7: 9)
   - Rhopobota anteellana Kuznetzov, 1988, Entomologichesko Obozrenie 67 (3): 627, fig. 16.
   - Comments: The ♀ of this species is described in the same paper: Kuznetzov (1988a: 627, fig. 17). Although 7 ♂♂, 9 ♀♀ were designated by Kuznetzov as paratypes, in the collection of ZISP are deposited only 5 ♂♂, 7 ♀♀ and one specimen without an abdomen which is not marked with a red type label. Probably the rest of the paratypes were lost or the number of types in the original description was given erroneously.
   - Distribution: Vietnam: Tam Đảo, Tram Lap (Kuznetzov, 2000), Thái Nguyên.

5. **apertana** Kuznetzov, 1988 (colour plate 7: 10)
   - Comments: The ♀ is still unknown. Forewings of the holotype were broken.
   - Distribution: Known only from the type locality.

6. **aquilana** Kuznetzov, 1988 (colour plate 7: 5)
   - Bipartivalva aquilana Kuznetzov, 1988, Trudy zoologicheskogo Instituta, Leningrad, 176: 80, fig. 16.
   - Comments: The ♀ is still not described. Distribution: Known only from the type locality.

7. **arcuatana** Kuznetzov, 1992 (colour plate 7: 3)
   - Comments: The ♀ of this species was described in the same paper: Kuznetzov, 1992a: 851, fig. 5. Although Kuznetzov designated 11 ♂♂, 56 ♀♀ from Naniu as paratypes, in the collection of ZISP there are 19 ♂♂, 18 ♀♀ collected 9.V.1986 from this locality and marked with Kuznetzov's handwritten red labels “Paratype”. The remaining 37 specimens (15 ♂♂, 20 ♀♀ and 2 specimens without an abdomen) collected in Naniu 9.V.1986 have no red labels. It is impossible to determine which of them are actually paratypes. One other specimen with the same red label is a ♀ collected in Bàn Chưởng Khoang and 2 ♀♀ collected on 8. and 10.V.1986 were not found.
   - Distribution: North Vietnam: Naniu, Bàn Chưởng Khoang.
8. armatana Kuznetzov, 1988 (colour plate 7: 8)  
*Neoptopania armatana* Kuznetzov, 1988, Entomologicheskoe Obozrenie 67 (3): 617, fig. 2.  
Comments: The ♂ of this species is figured in the same paper: *Kuznetzov*, 1988a: 617, fig. 3.  
Distribution: North Vietnam: Sa-Pa, Fan-Si-Pan (Razowski, 2008), Hanoi, Tam Dao.  

9. arquata Kuznetzov, 1988 (colour plate 7: 13)  
*Semnostola arquata* Kuznetzov, 1988, Entomologicheskoe Obozrenie 67 (3): 620, fig. 9.  
Comments: The ♂ of this species is figured in the same paper: *Kuznetzov*, 1988a: 622, fig. 10.  
Distribution: Known only from the type locality.  

10. aspersana Kuznetzov, 1988 (colour plate 7: 17)  
Comments: The ♂ of this species is still unknown. Distribution: Known only from the type locality.  

11. assimulatana Kuznetzov, 1997 (colour plate 7: 21)  
Comments: The ♂ is unknown. The Holotype was not found in the main collection of ZISP. However, in the drawer with Kuznetzov’s material was found a single specimen collected 22.XI.1988 in Tram Lap and bearing Kuznetzov’s original handwritten label “Herpystis ve mica” [Herpystis not mica]. Externally this specimen completely corresponds with the original description of *H. assimulatana* Kuzn. The abdomen of the specimen was removed and there was neither genitalia preparation nor a number of the genitalia slide on the specimen’s pin or elsewhere in the drawer. So the genitalia of the specimen were probably lost. At the same time, this specimen is probably the holotype of *H. assimulatana* Kuzn., so I marked it with the red printed label “HOLOTYPUS, Herpystis assimulatana Kuznetzov, 1997”. The specimen is figured here on the col. pl. 7: 21).  
Distribution: Known only from the type locality.  

12. asymmetrana Kuznetzov, 2003 (colour plate 7: 1)  
Comments: The ♂ of this species is still unknown. The Holotype was not found in the main collection of ZISP, but in the drawer with Kuznetzov’s material was found a single specimen collected 13.XI.1988 in Kannack and bearing Kuznetzov’s original handwritten label “Sorolopha asymmetrana sp. n.”. This specimen was considered as the holotype and marked by me with the red label “HOLOTYPUS, Sorolopha asymmetrana Kuznetzov, 2003” and figured here on the col. pl. 7: 1. Distribution: Known only from the type locality.  

13. atrana Kuznetzov, 1988 (colour plate 7: 6)  
*Semnostola atrana* Kuznetzov, 1988, Entomologicheskoe Obozrenie 67 (3): 622, fig. 11.  
Comments: The ♂ of this species is not described yet. Unfortunately, the holotype was destroyed probably by dermestid beetles. The single remaining part of it is the forewing glued to the pinned paper plate by Kuznetzov. Distribution: Known only from the type locality.  

14. australis Kuznetzov, 1988 (colour plate 7: 19)  
Comments: The ♂ is still unknown. Distribution: Known only from the type locality.  

15. beatana Kuznetzov, 2003 (colour plate 7: 22)  
Comments: The ♂ of this species is still unknown. The holotype was not found in the main collection of ZISP. However, in Kuznetzov’s drawer was a single specimen collected 6.XII.1988 in Tram Lap and bearing Kuznetzov’s original handwritten label “Syvacantha c obsosol. ппом на панк. ыпы кукуклуу” [Syvacantha with isolated thorn on the lower part of cucullus]. The genitalia of this species completely correspond with the drawing by Kuznetzov in the original description. This specimen was considered as the holotype and marked by me with the red label “HOLOTYPUS, Syvacantha beatana Kuznetzov, 2003” and is figured here on the col. pl. 7: 22.  
Distribution: Known only from the type locality.  

16. bellana Kuznetzov, 1988 (colour plate 7: 4)  
Comments: The ♂ is still not described. Distribution: Known only from the type locality.  

17. biancana Kuznetzov, 1997 (colour plate 7: 7)  
Types: Holotype ♂, N. Vietnam, prov. Gialai-Kontum, Tram Lap, 20 km N Buenluoi, 900 m, 27.XI.1988, V. Kuznetzov leg. - Paratypes: 1 ♂, the same locality, 12.XII.1988, V. Kuznetzov leg.  
Comments: The ♂ of this species was described in the same paper by Kuznetzov (1997b: 807, fig. 13). The type specimens were absent.
from the collection of ZISP, but in the drawer with KUZNETZOV’s material 2 specimens were found: One of them bears KUZNETZOV’s handwritten red label “Holotypos, Peridaedala biuncana KUZ.” and the second bears KUZNETZOV’s handwritten white label “Peridaedala biuncana s.p. n.”. The second specimen was considered as a paratype and marked with a red printed label by me: “PARATYPUS, Peridaedala biuncana KUZNETZOV, 1997”.

Distribution: Vietnam, Tram Lap; Thailand; Indonesia (KUZNETZOV, 2000).

18. **blanditana** KUZNETZOV, 1988 (colour plate 7: 11)

*Gracloisla* *blanditana* KUZNETZOV, 1988, Entomologichesko Obozrenie 67 (3): 622, fig. 12.


Comments: The ♀ of this species is still unknown. Taxonomic notes: Characters of forewing pattern and coloration are very similar to those of *G. blanditana KUZ.*. The genitalia of this specimen completely correspond with those figured in the original description (KUZNETZOV, 1988c: 96, fig. 36). Although KUZNETZOV designated 10 ♀♀ from Tam Đảo as paratypes, only 6 of them were found in the collection of ZISP. Besides that, 2 ♀♀, 2 ♂♂ were mentioned by KUZNETZOV from Hanoi but actually 3 ♀♀, 1 ♂♂ of them are present in the collection.

20. **confinana** KUZNETZOV, 2003 (colour plate 7: 12)

*Semniotes confinana* KUZNETZOV, 2003, Entomologichesko Obozrenie 82 (3): 727, fig. 11.


Comments: The ♀ is still unknown. The holotype was not found in the main collection of ZISP, but in the drawer with KUZNETZOV’s material was one specimen collected 26.XI.1988 in Tram Lıp. This specimen bears KUZNETZOV’s handwritten white label “ne abrupta u ne hapalanta” [not abrupta and not hapalanta]. On the other side of this label KUZNETZOV wrote: “Semniotes hapalantoides KUZ. sp. n., holotype”. Probably “hapalanta” is the incorrect name of *Semniotes halantha* MEYRICK, 1909. At the same time, in the original description KUZNETZOV mentioned that the narrow valva of *S. confinana* KUZ. differs from those of *S. halantha* MEYRICK, 1909 and S. abrupta DIACKOFF, 1973 (KUZNETZOV, 2003: 729). The genitalia of the single specimen completely correspond with the original description of *S. confinana* KUZ. Thus, in spite of the specimen was marked by KUZNETZOV as hapalantoides, it was considered to be a holotype of *confinana* and marked by me with a red printed label: “HOLOTYPUS, Semniotes confinana KUZNETZOV, 2003”. The holotype has no hindwings and one of the forewings was glued to the thorax.

Distribution: Known only from the type locality.

21. **dentiuncana** KUZNETZOV, 2003 (colour plate 7: 2)

*Drachmobola dentiuncana* KUZNETZOV, 2003, Entomologichesko Obozrenie 82 (3), 722, fig. 2.


Comments: The ♀ is still unknown. The holotype was not found in the main collection of ZISP. However, in the drawer with KUZNETZOV’s material was one specimen collected 1.XII. 1988 in Tram Lıp. This specimen bears KUZNETZOV’s handwritten white label “Drachmobola s.p. n.”. The genitalia of this specimen completely correspond with those figured in the original description of *dentiuncana*. So it was considered to be a holotype of *dentiuncana* and marked by me with a red printed label: “HOLOTYPUS, Drachmobola dentiuncana KUZNETZOV, 2003”. The holotype has no hindwings and one of the forewings was glued to the thorax.

Distribution: Known only from the type locality.

22. **diakonoffi** KUZNETZOV, 1988 (colour plate 7: 15)

*Statherotis diakonoffi* KUZNETZOV, 1988, Trudy vsesoyuznogo entomologicheskogo obshestva 70: 168, fig. 3: 3.


Comments: In the collection of ZISP there are also 2 ♀♀ specimens determined by KUZNETZOV as *diakonoffi* and labelled “N. Vietnam, Чиангкхон, 13.V.1986, V. KUZNETZOV leg.”. The descriptions of the ♀ genitalia of *S. diakonoffi* KUZ. are given below in the Taxonomic appendix for the first time.

Taxonomic notes: Characters of forewing pattern and coloration are very similar to those of *Statherotis ?anaehoea* (LOWER, 1896) on the photograph in HORA, 2006: 192, fig. 394. However, she noted that the identity of this Australian species has generally been misconstrued because it was based on the series of specimens from New Guinea determined by MEYRICK and not on LOWER’s type. Unfortunately the single holotype ♀ of *anaehoea* lacks the abdomen and there is no additional material from the type locality (HORA, 2006: 193).

Distribution: North Vietnam: Tam Đảo, Bán Chiếng Khoáng.
23. **dubitana** Kužnetzov, 1992 (colour plate: 7; 20)  
Comments: In the collection of ZISP two additional specimens (1 ♂, 1 ♀) were found. A ♀ was collected 10.IV.1986 in Tam Dao and bears a red Kužnetzov’s handwritten label “Metatyopus *Ricula dubitana* Kužn.” A ♀ was collected 11.IV.1986 at the same place. Kužnetzov identified it as *Ricula 'dubitana'* and noted on its label that the genitalia of this specimen was lost. Thus, ♀ genitalia of *R. dubitana* Kužn. remain unknown. Distribution: Known only from the type locality.

24. **dulcedana** Kužnetzov, 1992 (colour plate: 8; 28)  
Comments: The ♂ of this species was described in the same paper by Kužnetzov (1992a: 859, fig. 18). Metathorax with hindwings of the holotype are separated. Hindwings of paratype were damaged and one of the forewings was glued to the thorax. Distribution: Known only from the type locality.

25. **figurana** Kužnetzov, 1997 (colour plate: 8: 35)  
Comments: The ♀ is still unknown. In the original description fig. 9 was erroneously named as *Eucosmomorpha segregana* sp. n., holotype. South Vietnam, Tramlap. Actually, this figure belongs to the holotype of *E. figurana* Kužn.  
Taxonomic notes: In Brown et al. (2005) the original combination was given erroneously as *Eunomia figurana* Kužn. Distribution: Known only from the type locality.

26. **finitimana** Kužnetzov, 1997 (colour plate: 8: 37)  
Comments: The ♀ is unknown. Distribution: Known only from the type locality.

27. **flavescens** Kužnetzov, 1988 (colour plate: 8: 31)  
Comments: The ♀ of this species is described in the same paper by Kužnetzov (1988a: 620, fig. 8). Although Kužnetzov mentioned 4♀♀ as paratypes, only 3 of them were found in the collection of ZISP. Distribution: North Vietnam: Bân Chiêng Khoang, Naniu.

28. **finitimana** Kužnetzov, 1992 (colour plate: 8: 42)  
Taxonomic notes: The species was described in the genus *Falciferia* but Kužnetzov (1997) transferred it to *Metriophlebia*. Later *Metriophlebia* was synonymized with *Thaumatotibia* (e.g. Brown et al., 2005). Distribution: Vietnam: Bân Chiêng Khoang, Kan-nack (Kužnetzov, 2003).

29. **fumidana** Kužnetzov, 1997 (colour plate: 8: 32)  
Comments: In the original description Kužnetzov noted that the holotype has no cornuti in aedeagus (p. 808). During our study we collected a series of specimens at the Mé Linh biological station (North Vietnam, Vinh Phuc Prov., Ngọc Thanh vill.) which completely corresponded to the description and the figure by Kužnetzov (1997: Plate 2, fig. 12a), except for a strong bundle formed by long and slender cornuti in the vesica. Their length is approximately as the length of the aedeagus (Plate 2, fig. 12b). Therefore the cornuti in the genitalia of the holotype were probably lost during preparation of the genitalia.  
The original description was based on a single ♂ specimen; the ♀ is unknown. In the series of specimens from Mé Linh several ♀ clearly correspond to the ♂♂ of *D. fumidana* Kužn. They are therefore considered as ♀♂ of this species. The ♀ genitalia is given below in the taxonomic appendix. Distribution: North Vietnam, Kannak, Mé Linh biol. station.

30. **ghilaravi** Kužnetzov, 1988 (colour plate: 8: 34)  
*Sorolopha ghilaravi* Kužnetzov, 1988, Trudy vsesoyuznogo entomologicheskogo obschestva 70: 178, fig. 9: 1.  
Comments: The ♀ of this species was described in the same paper by Kužnetzov (1988b: 180, fig. 9: 2). Although Kužnetzov noted 11♂♂, 11♀♀ from Tam Dao as paratypes, 16♂♂, 13♀♀ with Kužnetzov’s handwritten red label “Paratype: Sorolopha ghilaravi Kužn.” were found in the collection of ZISP. All of them were collected in Tam Dao 10.-13.IV.1986. Besides that, only 4 paratype♂♂ from Hanoi were found in the collection. One other ♂ and one ♀ from Hanoi mentioned as paratypes in the original description were probably lost. Distribution: Vietnam, Fun-Si-Pan, Mai-Chau, Mt. NgocLinh (Razowski, 2008), Hanoi, Tam Dao.

31. **inauditana** Kužnetzov, 1988 (colour plate: 8: 33)  
*Hoplitendemis inauditana* Kužnetzov, 1988, Trudy vsesoyuznogo entomologicheskogo obschestva 70: 170, fig. 3: 5.  
Comments: The original description was based on ♂♂ specimen and ♀ genitalia were described later in Kužnetzov (2003: 729, fig. 12). Kužnetzov (2003) noted that *Hoplitendemis ereboides* registered in Thailand (Kaware, 1989) probably was determined erroneously and actually belongs to *H. inauditana* Kužn. Distribution: Vietnam: Tam Dao; Thailand (Kužnetzov, 2003).
32. *incompertana* Kuznetzov, 2003 (colour plate 8: 26)
*Mineoecysis incompertana* Kuznetzov, 2003, Entomologichesko Obozrenie 82 (3), 724, fig. 7.
Types: Holotype †, S. Vietnam, prov. Gialai, Tramlap, 20 km N Buenluoi, 900 m, 24.XI.1988, V. Kuznetzov leg. - Paratypes: 5 ††, the same locality, 30.XI., 1., 3., 5.XII.1988, V. Kuznetzov leg.
Comments: The υ is still unknown. All type specimens were found among Kuznetzov's material in a separate drawer. The holotype bears Kuznetzov's original handwritten label "*Mineoecysis incompertana* sp. n., голотип, темнопятн. форма" [Mineoecysis *incompertana* sp. n., holotype, dark-spot form]. One of the paratypes bears Kuznetzov's label "*Mineoecysis incompertana* sp. n., паратип, светлопятн. форма" [Mineoecysis *incompertana* sp. n., paratype, light-spot form]. Holotype and paratypes were marked by me with standard red printed labels “HOLOTYPUS, *Mineoecysis incompertana* Kuznetzov, 2003” and “PARATYPUS, *Mineoecysis incompertana* Kuznetzov, 2003”, correspondingly. Externally, two paratypes differ from the holotype by the absence of dark scales in the costal spot of the forewing. However, genitalia structures confirm that they are conspecific with the holotype. Distribution: Known only from the type locality.

33. *infuscana* Kuznetzov, 1988 (colour plate 8: 30)
*Gyspopsina infuscana* Kuznetzov, 1988, Entomologichesko Obozrenie 67 (3): 625, fig. 15.
Comments. The υ is unknown. Distribution: Known only from the type locality.

34. *insignata* Kuznetzov, 1997 (colour plate 8: 27)
Comments: The υ of this species is described in the same paper by Kuznetzov (1997b: 799, fig. 2). All type specimens were deposited in Kuznetzov's drawer. The holotype bears Kuznetzov's original handwritten label "*Rhopaliriopsis insignata* Kuzn.,” 1 †, 1 υ collected 26. and 27. XI.1988 in Tram Lap also bear red Kuznetzov's labels "Paratypus, *Rhopaliriopsis insignata* Kuzn." In the same place as the types, between holotype and paratypes, marked by Kuznetzov, there were 24 specimens collected 21.XI.-14.XII.1988 in Tram Lap but without any labels showing that they belong to the type series. As their quantity exceeds the quantity of paratypes designated in the original description it is impossible to recognize which of them were included in the type series by Kuznetzov. Distribution: Known only from the type locality.

35. *inssequana* Kuznetzov, 1997 (colour plate 8: 29)
*Nodulifera inssequana* Kuznetzov, 1997, Entomologichesko Obozrenie 76 (4): 809, fig. 16.
Comments. The υ is not described. Distribution: Known only from the type locality.

36. *laetana* Kuznetzov, 1988 (colour plate 8: 41)
*Statheromantis laetana* Kuznetzov, 1988, Trudy vsesoyuznogo entomologicheskogo obschestva 70: 170, fig. 3: 5.
Comments: The υ of this species is still unknown. The left forewing of the holotype was damaged. Distribution: Known only from the type locality.

37. *levatana* Kuznetzov, 1997 (colour plate 8: 44)
Comments: The υ of this species is unknown. A single specimen was found among Kuznetzov’s material and bears Kuznetzov’s handwritten label “*Eucoenogenes levatana* Kuzn., V. Kuznetzov det.” This specimen was considered to be the holotype and marked with red printed label “HOLOTYPUS *Eucoenogenes levatana* Kuznetzov, 1997”. Distribution: Known only from the type locality.

38. *limainoides* Kuznetzov, 1992 (colour plate 8: 40)
Types: Holotype †, S. Vietnam, prov. Gialai-Kontum, Kannak, 600 m, 11.XI.1988, V. Kuznetzov leg.
Comments: The υ is still not described. The date of collection of the holotype was not mentioned in the original description. Distribution: Known only from the type locality.

Comments: The υ of this species was described in the same paper by Kuznetzov (1992a: 851, fig. 7). Although 4 ††, 3 ‡‡ were designated as paratypes in the original description, 4 ††, 4 ‡‡ with Kuznetzov’s original red labels “Paratypus, *Parapammene longipalpana* Kuzn.” are deposited in the collection of ZISP. Distribution: Known only from the type locality.

40. *maculifera* Kuznetzov, 1992 (colour plate 8: 43)
*Trophocosta maculifera* Kuznetzov, 1992, Trudy zooligicheskogo Instituta, Leningrad 245 (4): 112, fig. 3.
Comments: The υ of this species is unknown. As was mentioned in the original description, the genitalia slide of the holotype was destroyed by dermestid beetles. Taxonomic notes. Kuznetzov (2000) noted that *T. maculifera* KUZN. displays a close relationship with *Trophocosta tucki* Razowski, 1986 from Nepal and might be its junior synonym. Investigation of the type specimen of *T. tucki* Razowski is needed to confirm or disprove this synonymy.
Distribution: Known only from the type locality.

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41. *maculosana* Kuznetzov, 1997 (colour plate 8: 35)


Types: Holotype ♀, S. Vietnam, prov. Gialai-Kontum, Tram Lap, 20 km N Buenlui, 900 m, 30.XI.1988, V. Kuznetzov leg. - Paratype: 1 ♂, the same locality, 7.XII.1988, V. Kuznetzov leg.

Comments: The ♀ is unknown. Two specimens were found in Kuznetzov’s drawer. One of them was marked by him with an original red label “Holotypus, *Phaeaciophora maculosana* Kuz.,” Another specimen was collected at the same place as the holotype, 7.XII.1988 and has no labels except geographic. This specimen was considered to be a paratype and marked with a red printed label “PARATYPUS, *Phaeaciophora maculosana* Kuznetzov, 1997”.

Distribution: Known only from the type locality.

42. *magnana* Kuznetzov, 1988 (colour plate 8: 23)

*Grapholita magnana* Kuznetzov, 1988, Trudy zoologicheskogo Instituta, Leningrad, **176**: 91, fig. 33.

Types: Holotype ♀, prov. Vinhphu, Tamdao, 10.IV.1986, V. Kuznetzov leg. - Paratype: 1 ♂, the same locality, 11.IV.1986, V. Kuznetzov leg.

Present status: *Grapholita sechsgana* (Walker, 1866).

Comments: The ♂ of this species is still unknown. Unfortunately, a paratype was not found in the collection of ZISP.

Taxonomic notes: Described in *Grapholita* but Razowski (1992) transferred the species to *Cydia*. However, his opinion was ignored by later reusers (e.g. Kuznetzov, 2000; Brown et al., 2005). At the same time Kuznetzov (2000) synonymized the taxon with *Grapholita sechsgana* (Walker, 1866).

Distribution: Vietnam: Tam Dao; Indonesia; New Guinea (Kuznetzov, 2000).

43. *metallicana* Kuznetzov, 1992 (colour plate 8: 58)

*Asymmetresta metallicana* Kuznetzov, 1992, Entomologicheskoe Obozrenie **71** (4): 858, fig. 16.


Comments: The ♀ is not described. The metathorax with the hindwings was removed and glued to the mesothorax. Distribution: Known only from the type locality.

44. *meridiana* Kuznetzov, 1992 (colour plate 8: 38)


Types: Holotype ♀, S. Vietnam, prov. Gialai-Kontum, Kannak, 600 m, 16.XI.1988, V. Kuznetzov leg. - Paratypes: 1 ♂, 1 ‡, the same locality, 11. and 15.XI.1988, V. Kuznetzov leg.

Present status: *Thaumatotibia meridiana* (Kuznetzov, 1992)

Comments: The ♂ of this species is described in the same paper by Kuznetzov (1992a: 854, fig. 8). In the original description, the legends to figures 8 and 9 were confused: fig. 8 was named as *Leguminivora meridiana* sp. n., ♂, holotype and fig. 9 was named as the same species, ♀, paratype. Actually the holotype ♂ was figured on fig. 9 and the paratype ♂ was on the fig. 8. The holotype ♂ is in very poor condition. Probably it was damaged by dermestid beetles and only 2 forewings glued to the paper plate are present. The paratype ♂ was destroyed by dermestid beetles entirely and only the genitalia preparation of it exists in the collection.

Taxonomic notes: The species was described in the genus *Leguminivora* but in his list of Vietnamese Tortricidae Kuznetzov (2000) mentioned it in *Metriophlebia*. Brown et al. (2005) treated *Metriophlebia* as a junior synonym of *Thaumatotibia*, but, at the same time, listed *meridiana* in *Leguminivora*. We follow Kuznetzov (2000) and place *meridiana* in *Thaumatotibia*.

45. *mica* Kuznetzov, 1988 (colour plate 8: 24)

*Herpys mica* Kuznetzov, 1988, Entomologicheskoe Obozrenie **67** (3): 630, fig. 22.


Comments: The ♂ of this species is still unknown. Unfortunately, the holotype was entirely destroyed by dermestid beetles, only the genitalia preparation of it was kept safe. In the collection of ZISP there is one other specimen determined by Kuznetzov as *Herpys mica* Kuz. This specimen was collected in Tam Dao, 11.IV.1986, and was not included in the type series. However, probably after destroying the holotype, Kuznetzov marked this non-type species with a handwritten red label “Topotypus, *Herpys mica* Kuz.” This specimen is figured here on colour plate 8: 24.

Kuznetzov (2000) mentioned that *H. mica* Kuz. was collected also in Tam Lap, 22.XI.1988. Unfortunately, specimens determined as *H. mica* Kuz. from Tam Lap were not found in the collection of ZISP. Distribution: Vietnam: Tam Dao, Tam Lap (Kuznetzov, 2000).

46. *miratorana* Kuznetzov, 1988 (colour plate 9: 67)


Comments: The ♀ is not described. Kuznetzov (2000) noted that *M. miratorana* Kuz. was collected also in Tam Lap, 26.XI.1988.

Distribution: Vietnam: Tam Dao, Tam Lap (Kuznetzov, 2000).

47. *modificana* Kuznetzov, 1997 (colour plate 9: 52)


Types: Holotype ♂, S. Vietnam, prov. Gialai-Kontum, Tram Lap, 20 km N Buenlui, 900 m, 26.IX.1988, V. Kuznetzov leg. - Paratype: 1 ♂, the same locality, 27.XI.1988, V. Kuznetzov leg.

Comments: The ♂ of this species is still unknown. Distribution: Known only from the type locality.

48. *nabokovi* Kuznetzov, 1997 (colour plate 9: 54)

*Cincliomorpha nabokovi* Kuznetzov, 1997, Entomologicheskoe Obozrenie **76** (4): 801, fig. 7.

Types: Holotype ♂, S. Vietnam, prov. Gialai-Kontum, Tram Lap, 20 km N Buenlui, 900 m, 1.XII.1988, V. Kuznetzov leg. - Paratype: 1 ♂, the same locality, 24.XI.1988, V. Kuznetzov leg.

Comments: In the original description two type specimens were mentioned, both were ♂♂; the ♀ of *C. nabokovi* Kuz. was unk-
nown. During our research in A Ruang (Central Vietnam, Thua Thien Hue Prov.) a single ♀ was collected, which, morphologically, completely corresponds to the holotype. This single specimen was considered as the ♀ of C. nabokovi Kuzn. The description of its genitalia is given here in the taxonomic appendix for the first time. A paratype of C. nabokovi Kuzn. was not found in the collection of ZISP and it was probably lost.

Distribution: South and Central Vietnam, Tram Lap, A Ruang.

49. nigroneviana Kuznetzov, 1988 (colour plate 9: 65)
Acroclita nigroneviana Kuznetzov, 1988, Trudy zoologicheskogo Institutsa, Leningrad, 176: 88, fig. 27.
Types: Holotype ♂, prov. Vinhphu, Tamdao, 11.IV.1986, V. Kuznetzov leg. - Paratypes: 4 ♂♂, 1 ♀, the same locality, 10.-13.IV.1986, V. Kuznetzov leg.
Comments: The ♀ of this species was described in the same paper by Kuznetzov (1988c: 88, fig. 28).

Distribution: Vietnam: Tam Dao; known also from Southern Japan (Kuznetzov, 2000).

50. novitana Kuznetzov, 1992 (colour plate 9: 51)
Stathignatha novitana Kuznetzov, 1992, Entomologicheskoe Obozrenie 71 (4): 856, fig. 15.
Comments: The ♀ is still unknown. Distribution: Known only from the type locality.

51. obtundana Kuznetzov, 1988 (colour plate 9: 57)
Sycacantha obtundana Kuznetzov, 1988, Entomologicheskoe Obozrenie 67 (3): 615, fig. 1.
Comments: The ♂ of this species is not described.

Distribution: North and Central Vietnam: Tam Dao, Pu Mat National Park (Thac Kham).

52. obumbrana Kuznetzov, 1992 (colour plate 9: 53)
Cydia obumbrana Kuznetzov, 1992, Entomologicheskoe Obozrenie 71 (4): 854, fig. 11.

53. omittana Kuznetzov, 1988 (colour plate 9: 50)
Grapholita omittana Kuznetzov, 1988, Trudy zoologicheskogo Institutsa, Leningrad, 176: 91, fig. 32.
Comments: The ♂ is unknown.

Taxonomic notes: The species was described in the genus Grapholita but Razowski (1992) transferred it to Cydia. However, his opinion was ignored by later revisers (e.g. Kuznetzov, 2000; Brown et al., 2005). We follow the opinion by Kuznetzov and treat omittana in Grapholita.

Distribution: Known only from the type locality.

54. opulentica Kuznetzov, 1992 (colour plate 9: 61)
Comments: The ♀ was described in the same paper by Kuznetzov (1992a: 850, fig. 2).


55. orbipex Kuznetzov, 1988 (colour plate 9: 62)
Grapholita orbipex Kuznetzov, 1988, Trudy zoologicheskogo Institutsa, Leningrad, 176: 90, fig. 31.
Comments: The ♂ of this species is still unknown.

Taxonomic notes: The species was described by Kuznetzov in the genus Grapholita. Razowski (1992) transferred this species to the genus Cydia but his opinion was ignored by later revisers (e.g. Kuznetzov, 2000; Brown et al., 2005). Here we follow the opinion by Kuznetzov and treat orbipex in Grapholita.

Distribution: Known only from the type locality.

56. oxychrysoïdes Kuznetzov, 1997 (colour plate 9: 66)
Lepteucosma oxychrysoïdes Kuznetzov, 1997, Entomologicheskoe Obozrenie 76 (4): 805, fig. 11.
Comments: The ♀ is unknown. In Kuznetzov’s drawer two specimens were found: one of them was marked by Kuznetzov with a red label “Holotypus, Lepteucosma oxychrysoïdes Kuzn.” and another bears a white label written in Kuznetzov’s hand: “Lepteucosma oxychrysoïdes sp. n.”. This specimen was collected in Tram Lap 30.XI.1988 and according to all these data it was considered as a paratype of Lepteucosma oxychrysoïdes and marked with standard red label “PARATYPE, Lepteucosma oxychrysoïdes Kuznetzov, 1997”.

Distribution: Known only from the type locality.

57. perexiguana Kuznetzov, 1988 (colour plate 9: 64)
Loxoterma perexiguana Kuznetzov, 1988, Trudy vsesoyuznogo entomologicheskogo obshchestva 70: 174, fig. 6: 5.
Comments: The ♀ of this species is still unknown. As was mentioned in the original description, the abdomen of the paratype was lost.
Present status: *Syricoris perexiguana* (Kuznetzov, 1988).

Taxonomic notes: The species described in *Loxoterma* was transferred by Brown et al. (2005) in *Syricoris*. Distribution: Known only from the type locality.


*Rhopobota punctiferana* Kuznetzov, 1988, Entomologicheske Obozrenie 67 (3): 627, fig. 18.


Comments: The ♀ genitalia were described later in Kuznetzov (2003: 739, fig. 24). The ♀ was collected 5.XII.1988 in Tram Lap. Distribution: Vietnam: Tam Đảo, Tram Lap (Kuznetzov, 2003).

59. *secunda* Kuznetzov, 1997 (colour plate 9: 55)


Comments: The ♀ is unknown. Distribution: Known only from the type locality.

60. *segregana* Kuznetzov, 1997 (colour plate 9: 63)


Comments: The ♀ is unknown. As was erroneously named in the original description, the paratype specimen collected 8.XII.1988, lacks the abdomen.

In the original description fig. 9 was erroneously named as *Eucosmonomorpha segregana* sp. n., holotype, South Vietnam, Tramlap. Actually, this figure belongs to the holotype of *Eucosmonomorpha figurana* Kuznetzov, 1997. Three specimens of *segregana* were found in the separate drawer with Kuznetzov’s material. One of them bears Kuznetzov’s original red label “Holotypus, *Eucoenogenes segregana* Kuzn.” and a white handwritten label “куричка на тонкой жиле Eucosm. или Olethreutini.” [cucullus with slender neck, Eucoosm. or Olethreutini]. The second specimen with damaged wings, almost without any scales, was collected in Tram Lap 8.XII.1988 and has no abdomen. It bears Kuznetzov’s handwritten label “*Eucoenogenes segregana* sp. n. Kuzn.” The third specimen was collected 24.XI.1988 in Tram Lap and bears Kuznetzov’s handwritten white label “*Eucoenogenes с тонкой усикой* [Eucoenogenes with slender neck]. The last two specimens were considered to be paratypes and were marked with red printed labels “PARATYPE, *Eucoenogenes segregana* Kuznetzov, 1997.” Distribution: Known only from the type locality.


Comments: Although in the original description Kuznetzov mentioned 15 paratypes (7♂♂, 8♀♀), in the collection of ZISP only 6 of them were found (4♂♂, 2♀♀). In spite of 8♀♀ being mentioned as paratypes in the original description, the ♀ of *N. sodaliana* Kuzn. was not described. A description of the ♀ is given below in the taxonomic appendix for the first time.

Distribution: Known only from the type locality.


Comments: Kuznetzov mentioned 6 paratypes in the original description, but in the collection of ZISP are deposited only 5 specimens, except the holotype, determined by Kuznetzov as *Homona superbana*. Five of them (3♂♂, 1♀♀) bear red labels written by Kuznetzov’s hand “Paratypus *Homona superbana* Kuzn.” One other specimen without an abdomen and one hindwing was collected in Tram Lap 30.XI.1988 and marked by Kuznetzov’s handwritten label “*Homona superbana* sp. n.” In spite of the fact that 2♀♀ were mentioned as paratypes of *N. sodaliana* Kuzn. in the original description, Kuznetzov does not provide a description of the ♀. Therefore, the description of the ♀ is given below in the taxonomic appendix for the first time.

Distribution: Known only from the type locality.

63. *svetlanae* Kuznetzov, 2003 (colour plate 9: 60)


Comments: The ♀ is unknown. The holotype of *R. svetlanae Kuzn.* was found in one of Kuznetzov’s drawers. It bears a white label written in ink by Kuznetzov’s hand “N. 14. *Rhopobota svetlanae* sp. n., holotype.” It was marked with a red standard label “HOLOTYPE, *Rhopobota svetlanae* Kuznetzov, 2003” by us. Distribution: Known only from the type locality.

64. *tonkinana* Kuznetzov, 1988 (colour plate 9: 49)


Comments: The ♀ was described in the same paper by Kuznetzov (1988c: 80, fig. 14). One non-type specimen in a very poor condition determined by Kuznetzov as *Perideaedala tonkinana* was found in the collection of ZISP. It was collected in Tram Lap, 9.XII.1988. Distribution: Vietnam, Tam Đảo, Tram Lap (Kuznetzov, 2000).

65. *tricolorana* Kuznetzov, 2000 (colour plate 9: 45)


Comments: The ♀ is unknown.

Taxonomic notes: By foregoing pattern, *P. tricolorana* Kuzn. is very similar to those of *P. albomaculatis* Liu & Bat, 1985 and might
be its junior synonym. Investigation of the type material of *P. albonaculatis* Liu & Bai is needed to clarify the status of *P. tricolourana* Kuznezov. Distribution: Known only from the type locality.

66. **tropicana** Kuznetzov, 1992 (Colour plate 9: 56)  
Comments: The ‡ is still unknown. Distribution: Known only from the type locality.

67. **valens** Kuznetzov, 1988 (colour plate 3, fig. 47)  
*Grapholita valens* Kuznetzov, 1988, Trudy zoologicheskogo Instituta, Leningrad, 176: 93, fig. 34.  
Comments: The ‡ is unknown. Distribution: Known only from the type locality.

**Taxonomic appendix**

**Statherotis diakonoffi** Kuznetzov, 1988  
Description of ♀: Forewing length 9 mm. Fore- and hindwing coloration are similar to the ♂.

Genitalia (plate 2: 9-10): Papilae anales subtriangular. Apophyses posteriores and apophyses anteriores approximately similar in length. Sterigma sclerotized and form two processes perpendicular to the plane of sterigma. Distal ends of processes are rounded. Upper margin of sterigma form a short conical prominence. Colliculum long and bipartite, similar or somewhat shorter than sternum 7. Ductus bursae long and narrow, corpus bursae ovate. Two strong signa formed by dense rows of punctuation of increasing size. One signum is somewhat smaller than another. Signa size is a little variable. Form of signa is rather elongated.

Comments: In the original description of *Statherotis diakonoffi* Kuznetzov mentioned that, based on ♀ genitalia, *S. diakonoffi* Kuzn. is close to *S. discana* (Felder & Rogenshoffer, 1874) and *S. discana f. saturata* Diakonoff, 1973, an infra-subspecific taxon. The ♀ genitalia also shows close relation but it is a very different form. In ♀ genitalia, signa of elongated form, whereas in *S. discana* (Felder & Rogenshoffer) sterigma flattened, signa rather rounded (Diakonoff, 1973: 244-245). The description given by Diakonoff for *saturata* does not correspond completely to the ♀ of *S. diakonoffi* Kuzn. sterigma aciculate, upper angles extended and pointed (Diakonoff, 1973: 246, fig. 355).


**Dicnecidia fumidana** Kuznetzov, 1997  
Description of ♀: Forewing length 7-8 mm. Forewing coloration does not differ from the ♂.


Comments: The genus *Dicnecidia* includes two species: *D. cataclasta* Diakonoff, 1982 and *D. fumidana* Kuznetzov. Diakonoff described *cataclasta* based on a single ♂ species. Unfortunately I cannot find a description of the ♀ of this species. Probably the ♀ is not described yet.


**Cimeliomorpha nabokovi** Kuznetzov, 1997  
Description of ♀: Forewing length 8 mm. Characters of forewing pattern and coloration are the same as in the ♂ but the brown spot on the hindwing is somewhat larger.

Genitalia (plate 2: 8): Papilae anales elongate. Apophyses posteriores slender and about 1.5 times shorter than apophyses anteriores. Sterigma membranous and ostium bursae indistinct. Sternum 7 small, with a deep cavity on the distal margin. Colliculum small, narrow and ring-shaped with a deep cavity on its hind side. Ductus bursae long and wide. Corpus bursae small, at least 1.5 times as wide as the ducus bursae. Single signum small, rounded and concave to the corpus bursae.

Comments: The genus *Cimeliomorpha* includes three species: *C. cymbalora* Meyrick, 1907 and *C. nabokovi* Kuznetzov, 1997. The ♀ of *C. nabokovi* Kuzn., shows close relation to *C. cymbalora* (Meyrick) (plate 2: 7) but differs from it by indistinct ostium bursae, shape of sternum 7 and colliculum, wide ductus bursae, size of corpus bursae, size and shape of single signum. All these features additionally confirm the status of *C. nabokovi* Kuzn., as bona species.

Material: 1 ♀, C. Vietnam, Thu Thien Hue Prov., A Ruang, h=663m, 16º04' N, 107º29' E., 24.-27.IV.2009, S. Nedoshivina leg. GS. SVN09055.

**Neoalcyptis sodaliana** Kuznetzov, 1992  
Description of ♀: Forewing length 5. Coloration of the fore- and hindwings as in the ♂.


Comments: As very few species of *Neoalcyptis* have♀ figured and described in literature, it is difficult to give a differential diagnosis for the *N. sodaliana* Kuzn. ♀.


**Homona superbana** Kuznetzov, 1992  
Description of ♀: Forewing length 12 mm. Main colour of the forewings light pale with two indistinct light brown stripes. Colour of
At present, 351 species of Tortricidae are listed for Vietnam and 67 of them were described by Kužnetzov. Unknown 59 of five Kužnetzov’s species were described in this paper.

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