

**Data of Hesperioidea and Papilionoidea (Lepidoptera)
from the Korean Peninsula in the collections
of the Hungarian Natural History Museum***

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Abstract – Data of 22 species of hesperioid (Hesperiidae: 22) and 134 papilionoid (Lycaenidae: 29, Nymphalidae: 79, Papilionidae: 9 and Pieridae: 17) butterfly taxa collected in Korea are presented. Almost four decades of entomological exploration by the Hungarian Natural History Museum in the Korean Peninsula yielded the 1900 specimens listed here with a full list of the 263 relevant collecting events. 1771 specimen data (93%) exclusively originate from the northern part of the Peninsula. *Colias chrysotheme andre* HEMMING, 1933, turned to be new for the fauna of the entire Korean Peninsula. With 6 figures.

Key words – Hesperiidae, Lycaenidae, Nymphalidae, Papilionidae, Pieridae, faunistics, new records, Korean Peninsula, *Colias chrysotheme*.

INTRODUCTION

The purpose of this work is to publish data for Korean hesperioid and papilionoid butterflies as they are represented in the Hungarian Natural History Museum. This supplements previous efforts on other lepidopteran groups (BÁLINT & KATONA 2011). There is no doubt that butterflies belong to the best known arthropod groups in Korea, too, where the southern part of the country has been more intensively studied. Therefore the data

* Zoological Collectings by the Hungarian Natural History Museum in Korea No. 2002

set available for scientists is often not balanced as the northern part is in need for conducting further investigations to answer ecological, taxonomical or zoogeographical questions.

MATERIALS AND METHODS

For the list of collecting events the most important information is compiled from the expeditions carried out in Korea by the staff members of the Hungarian Natural History Museum (HNHM) (see BÁLINT & KATONA 2011). Collecting events are listed according to their serial number in ascending sequence. In addition there are specimens, which have been collected by Hungarian or Korean scientists not in the frame of the expeditions but were donated to the HNHM. The collecting events of these specimens are abbreviated by anagrams and placed in the end of the HNHM list in alphabetical, then numerical order. These abbreviations are resolved under the heading List of Collecting Events.

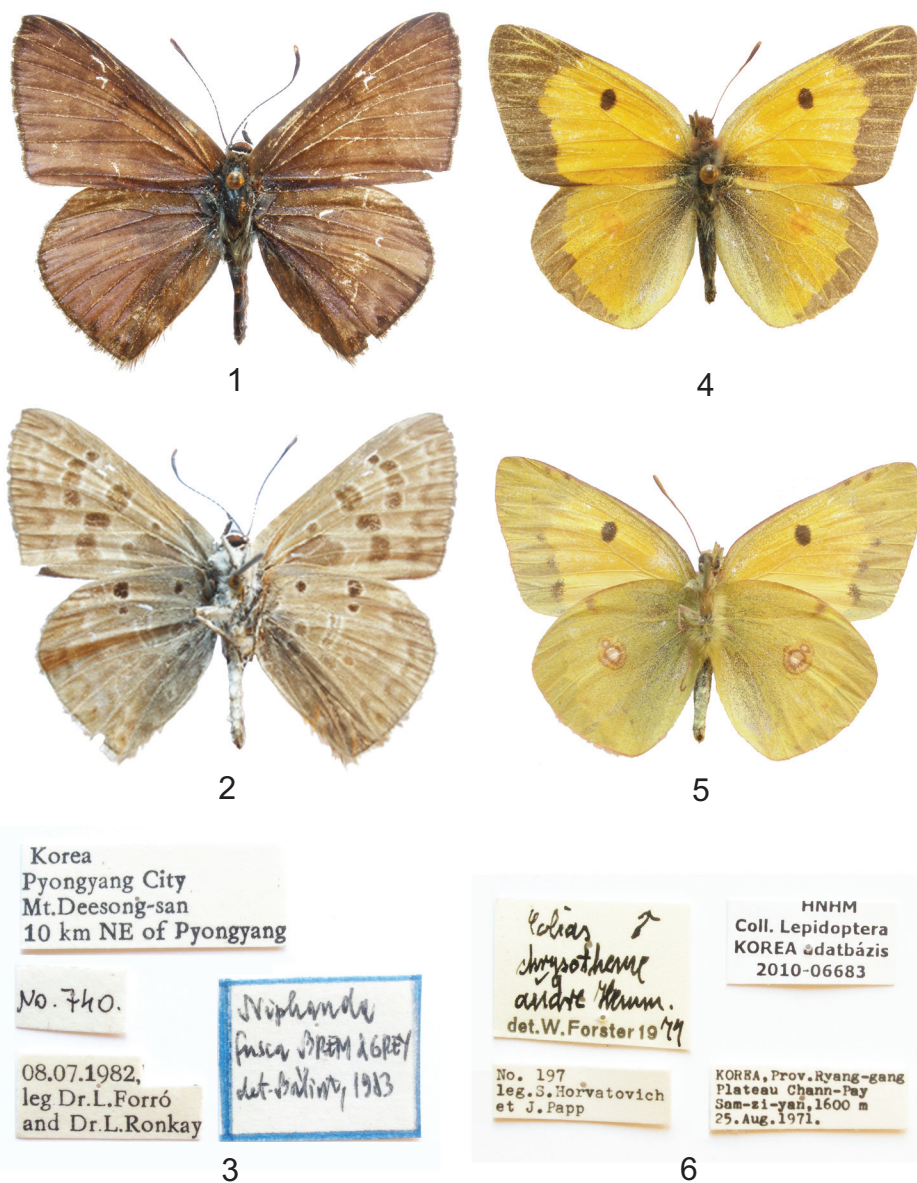
Some species were identified previously by the late WALTER FORSTER (1910–1986) and the senior author (Figs 1–6). The material was revised subsequently in 2011 and determined using contemporary nomenclature (HOONG-ZAE *et al.* 1997: 402–413).

Each identified specimen was electronically databased in the “HNHM, coll. Lepidoptera, Korea adatbázis” using the program Microsoft Office Excel 2003. From the specimen database a list of species was generated, and the databased specimens are listed according to their families, subfamilies, genera and species in alphabetical order. After the scientific binomen, the serial numbers of the collecting events are given (in parenthesis with the specimens recorded) in ascending sequence.

LIST OF COLLECTING EVENTS

Each entry provides the following information: number or abbreviation of the collecting event (used as reference number in List of Species), province name, local name of collecting site (sometimes with distance to another settlement or/and altitudinal elevation), date of collecting, comment (on habitat type and/or collecting methods, as appeared in the original report), collector names, country (NK = Democratic People’s Republic of Korea, SK = Republic of Korea), expedition serial number.

Abbreviations – 2010-# = expedition carried out in South Korea by HNHM staff members in 2010; AP = material collected by the Hungarian zoologist PÁL AGÓCSY; IHA = material collected by the Korean zoologist IM HONG AN; SML = material collected by Korean zoologist SEUNG MO LEE; SZD = material collected by the Hungarian botanists GYÖRGY SZOLLÁT and KONSTANTIN DOBOLYI; XX = no collector indicated; ZL = material collected by the Hungarian zoologist LAJOS ZOMBORI.



Figs 1–6. Korean butterfly specimens and their labels, deposited in the Hungarian Natural History Museum. 1–3: *Niphanda fusca* (BREMER et GREY, 1853), male, forewing length: 18 mm, 1 = dorsal view, 2 = ventral view, 3 = labels (identification label from the senior author); 4–6: *Colias chrysotheme andre* HEMMING, 1933, male, forewing length: 21 mm, 4 = dorsal view, 5 = ventral view, 6 = labels (identification label from the late WALTER FORSTER)

- 136 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 3.VIII.1971, singled material at lamp, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 137 – Prov. South Pyongan, city park between river Te-dong and Pyongyang Hotel, Pyongyang, 4.VIII.1971, netting in grass and bushes of the park, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 139 – Prov. South Pyongan, Mang-yong-dae, 25 km W Pyongyang, 5.VIII.1971, singled material on rudimental vegetation, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 144 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 5–6.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 146 – Prov. South Pyongan, De-sang san, 12 km NE Pyongyang, 7.VIII.1971, singled material in coniferous forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 150 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 7–8.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 151 – Prov. South Pyongan, De-sang san, 12 km NE Pyongyang, 8.VIII.1971, singled in deciduous-coniferous forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 154 – Prov. South Pyongan, Lyong-ak san, 25 km W Pyongyang, 9.VIII.1971, singled material in deciduous-coniferous forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 156 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 9–10.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 158 – Prov. South Pyongan, Lyong-ak san, 25 km W Pyongyang, 10.VIII.1971, singled material in deciduous-coniferous forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 159 – Prov. South Pyongan, Lyong-ak san, 14 km W Pyongyang, 11.VIII.1971, singled material in coniferous-deciduous forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 162 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 11.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 166 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 12.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 168 – Prov. South Pyongan, Chang-lyong san, 15 km E from Sa-gam, 50 km N Pyongyang, 13.VIII.1971, singled material from rudimentary vegetation and bushes on slope facing SW. PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 174 – Prov. South Pyongan, Nung-ra do (an island in the river Te-dong), Pyongyang, 14.VIII.1971, singled material, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 176 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 16.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 177 – Prov. South Pyongan, Pyongyang Hotel garden, Pyongyang, 15.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 178 – Prov. South Pyongan, Bongwa-ri, on the riverside Te-dong, ~45 km E Pyongyang, 16.VIII.1971, singled material of rudimental vegetation, PAPP J. & HORVATOVICH S., NK, exp. no. 2.

- 181 – Prov. South Pyongan, Bongwa-ri, on the riverside Te-dong, ~45 km E Pyongyan, 16–17.VIII.1971, in rudimental vegetation with *Robinia pseudacacia* trees and shrubs, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 186 – Prov. South Pyongan, Za-mo san, 60 km NE Pyongyan, 18.VIII.1971, singling in a sweet chestnut (*Castania crenata*) forest in nature conservancy field, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 190 – Prov. South Pyongan, Pyongyan Hotel garden, Pyongyan, 20–21.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 193 – Prov. Ryanggang, Hyesan Hotel garden, Hyesan, 23.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 195 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1500 m, 24.VIII.1971, singled material in the vegetation of a devastated forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 197 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1600 m, 25.VIII.1971, singled material on flowers of *Larix-Betula* forest, along a road, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 206 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1700 m, 27.VIII.1971, singling in *Larix-Betula* forest along a pathway, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 216 – Prov. Ryanggang, Mt. Pektusan, 1900 m, 28.VIII.1971, singled material in clearings with *Aconitum* flowers in *Larix-Betula* forest near the upper forest level, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 219 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1600 m, 28.VIII.1971, singling at the lamps in *Larix-Betula* forest, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 225 – Prov. South Pyongan, Pyongyan Hotel garden, Pyongyan, 31.VIII.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 229 – Prov. South Pyongan, Pyongyan Hotel garden, Pyongyan, 1.IX.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 230 – Prov. South Pyongan, Za-mo san, 60 km NE Pyongyan, 2.IX.1971, singling in sweet chestnut (*Castania crenata*) forest in nature conservancy field, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 241 – Prov. South Pyongan, Mts Guk-san-bong, 10 km NE Nam-po, 5.IX.1971, singled in *Castania-Pinus* wood with oak bushes, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 243 – Prov. South Pyongan, Pyongyan Hotel garden, Pyongyan, 6–7.IX.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 244 – Prov. North Hwanghae, Mts. Pakyon, Pakyon popo, 27 km NE Kaesong, 8.IX.1971, singled material, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 250 – Prov. North Hwanghae, Mts Pakyon, Pakyon popo, 27 km NE Kaesong, 500 m, 9.IX.1971, singled from the vegetation near the waterfall, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 254 – Prov. North Hwanghae, Mts Pakyon, both sides of and near to the road between Kaesong and Pakyon popo, 20 km NE Kaesong, 10.IX.1971, singled in bushy and grassy vegetation, PAPP J. & HORVATOVICH S., NK, exp. no. 2.

- 257 – Prov. North Hwanghae, Mts Pakyon, Pakyon popo, garden of Pakyon rest home, 27 km NE Kaesong, 10–12.IX.1971, caught in Malaise-trap, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 260 – Prov. North Hwanghae, Mts Pakyon, both sides of and near to the road between Kaesong and Pakyon popo, 20–21 km NE Kaesong, 11.IX.1971, singled on bushy and grassy vegetation, PAPP J. & HORVATOVICH S., NK, exp. no. 2.
- 266 – Prov. South Pyongan, garden of the Embassy of the Hungarian People's Republic, Pyongyang, 16–18.VII.1975, caught in Malaise-trap, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 275 – Prov. Ryanggang, Mt. Ze-dong, Hyesan, 1150 m, 22.VII.1975, singled material on the edge of a *Larix* wood with shrubby level, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 277 – Prov. Ryanggang, Chann-Pay plateau, on the road between Hyesan and Sam-zi-yan, 15 km SSW Sam-zi-yan, 1600 m, 23.VII.1975, cloudy weather, vegetation wet, singled material along the road with rich vegetation, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 280 – Prov. Ryanggang, Chann-Pay plateau, along the road to Mt. Pektusan, 24 km NW Sam-zi-yan, 2000 m, 24.VII.1975, sunny weather with cloudy sky, 24–26°C, singled in more or less devastated clearings of *Larix-Betula* forest, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 283 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1700 m, 24.VII.1975, sunny weather with cloudy sky, 22–24°C, singled material in a clearing of *Larix-Betula* forest, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 284 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1700 m, 23–24.VII.1975, caught in Malaise-trap in *Larix-Betula* forest, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 285 – Prov. Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1700 m, 24.VII.1975, cloudy weather with full moonlight, 20°C, singled material at Mv lamp, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 287 – Prov. Ryanggang, Chann-Pay plateau, Mt. Pektusan, Mu-do-bong, 2100–2200 m, 25.VII.1975, sunny weather with cloudy sky, 23–25°C, singled material at the meeting of the upper forest and lower grass levels, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 292 – Prov. Ryanggang, Mt. Ze-dong, Hyesan, 1150 m, 26.VII.1975, sunny weather with cloudy sky, 28°C, singled material at the edge of a *Larix* wood with shrubby level, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 295 – Prov. Ryanggang, river Karim, 10 km NEE Bochonbo, 1100 m, 27.VII.1975, sunny and warm weather, 32°C, singled material in the shrubby vegetation along the river in a deep valley, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 299 – Prov. South Pyongan, Lyong-ak san, 14 km W Pyongyang, 30.VII.1975, sunny weather with clouds, 32°C, singled material in coniferous-deciduous wood in a cirque, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 301 – Prov. South Pyongan, Lyong-ak san, 14 km W Pyongyang, 30.VII.1975, sunny weather with clouds, 32°C, caught in Malaise-trap, PAPP J. & VOJNITS A., NK, exp. no. 3.

- 304 – Prov. South Pyongan, Bek-sung-li, Za-mo san, 60 km NE Pyongyan, 1.VIII.1975, at forenoon rainy weather and 22–24°C, after 13 o'clock cloudy weather with sunshine and 28–30°C, singled material in sweet chestnut wood in nature conservancy field, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 306 – Prov. South Pyongan, Bek-sung-li, Za-mo san, 60 km NE Pyongyan, 1.VIII.1975, at forenoon rainy weather and 22–24°C, after 13 o'clock cloudy weather with sunshine and 28–30°C, caught in Malaise-trap, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 310 – Prov. South Pyongan, Botanical Garden, Pyongyan, 3.VIII.1975, sunny weather, 35°C, singled material on *Zantoxylum schinifolium* PAPP J. & VOJNITS A., NK, exp. no. 3.
- 320 – Prov. Gangwon, district On-dzong, Kum-gang san, near Hotel Go-song, 250 m, 4–6.VIII.1975, caught in Malaise-trap, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 321 – Prov. Gangwon, district On-dzong, Kum-gang san, Mandzang-tae, 600–650 m, 6.VIII.1975, sunny weather, 28°C, singled on flowers, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 323 – Prov. Gangwon, district On-dzong, Kum-gang san, near Hotel Go-song, 250 m, 7.VIII.1975, cloudy weather, 22°C, singled on *Althaea rosea* (Hym.), PAPP J. & VOJNITS A., NK, exp. no. 3.
- 326 – Prov. Gangwon, district On-dzong, Kum-gang san, near Hotel Go-song, 250 m, 6–8.VIII.1975, caught in Malaise-trap, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 330 – Prov. South Pyongan, Bek-sung-li, Za-mo san, 60 km NE Pyongyan, 10.VIII.1975, sunny weather with clouds, 32–33°C, singled and netted material in sweet chestnut wood in nature conservancy field, PAPP J. & VOJNITS A., NK, exp. no. 3.
- 333 – Prov. South Pyongan, De Sang-san, 10 km NE Pyongyan, 01.VII.1977, caught in Malaise-trap, erected about 30–40 m off, on the left, from the road leading in to the wood, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 340 – Prov. South Pyongan, Nampo, Vando, plateau semicircularly embraced by the mouth of river Te Dong, ~60 km SW Pyongyan, 400–500 m, 03.VII.1977, singling and collecting with an exhauster on the slopy and grassy riverside, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 347 – Prov. South Pyongan, Sa Gam, water basin and inundation area of a to us unknown river, ~30–40 km N Pyongyan, 5.VII.1977, netting in the grass vegetation of a wood, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 351 – Prov. Kangwon, Kum-gang san (Diamond Mountains), Hotel Kum-gang at village Ontsong, Ontsong, 9.VII.1977, canopied coniferous forest, collecting at MV lamp in the forest, about 150–200 m S from the hotel, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 354 – Prov. Kangwon, Kum-gang san (Diamond Mountains), Rükhaam, about 7 km W from Hotel Kum-gang, 10.VII.1977, caught in Malaise-trap erected at a clearing in the forest, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 358 – Prov. Kangwon, Kum-gang san (Diamond Mountains), Rükhaam, about 7 km W from Hotel Kum-gang, 11.VII.1977, caught in Malaise-trap, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.

- 369 – Prov. Ryanggang, Mt. Pektusan, environs of Explosion Lake, 2000–2500 m, 18.VII.1977, netting in grass vegetation, about 2000-2500 m, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 371 – Prov. Ryanggang, Mt. Pektusan, wooded environs of the Sam-zi-yan hotel, about 2 km N from the hotel on the left side of the road to Explosion Lake, 18.VII.1977, caught in Malaise-trap erected about 2 km N from the hotel on the left side of the road to Explosion Lake, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 374 – Prov. Ryanggang, Mt. Pektusan, wooden environs of the Sam-zi-yan hotel, about 16 km E from the hotel on the left side of the road to Musan, 19.VII.1977, netting in shrubby and grass vegetation about 16 km E from the hotel at the edge of a coniferous wood growing on the left side of the road to Musan, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 375 – Prov. Ryanggang, Mt. Pektusan, wooded environs of the Sam-zi-yan hotel, about 2 km N from the hotel on the left side of the road to Explosion Lake, 19.VII.1977, caught in Malaise-trap, DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 379 – Prov. Ryanggang, Mt. Pektusan, wooded environs of the Sam-zi-yan hotel, 19.VII.1977, collecting at Mv lamp. DELY O. GY. & DELY-DRASKOVITS Á., NK, exp. no. 4.
- 577 – Prov. Kangwon, Mt. Kumgang-san, Hotel Kumgang, 25. IX. 1979. At the light of a 250 W MV bulb on the terrace of Hotel Kumgang. STEINMANN H. & VÁSÁRHELYI T., NK, exp. no. 6.
- 626 – Pyongyang City, Mt. Daesong-san, 10 km NE Pyongyang, 10.IX.1980, singled in the valley of a small brook, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 640 – Prov. Chagang, Mt. Myohyang-san, River Chongchon-gang valley, 12.IX.1980, singled in the valley and the northern slope, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 665 – Prov. Chagang, Mt. Myohyang-san, Pison waterfall, 14.IX.1980, singled in the vicinity of Pison waterfall, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 673 – Prov. Chagang, Mt. Myohyang-san, Hotel Myohyang, 14.IX.1980, singled in the vicinity of the hotel, mainly at lamps standing around the hotel, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 692 – Prov. Kangwon, Mt. Kumgang-san, foot-path to Kuryong Falls, 18.IX.1980, singled along the foot-path to Kuryong Falls, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 720 – Prov. Kangwon, Mt. Kumgang-san, Hotel Kumgang, 19.IX.1980, at the light of a 160 W MV bulb on the terrace of the hotel, FORRÓ L. & TOPÁL GY., NK, exp. no. 7.
- 740 – Pyongyang City, Mt. Daesong-san, Lake Mitshon-ho, 8.VII.1982, singled material near Lake Mitshon-ho, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 744 – Pyongyang City, Mt. Daesong-san, Sasum-mot pond, 8.VII.1982, singled material near Sasum-mot pond, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 750 – Pyongyang City, Mt. Daesong-san, Sangsu-mot pond, 8.VII.1982, singled insects near Sangsu-mot pond, FORRÓ L. & RONKAY L., NK, exp. no. 8.

- 756 – Pyongyang City, Mt. Daesong-san, Lake Dongchon-ho, 9.VII.1982, singled material in the vicinity of Lake Dongchon-ho, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 762 – Pyongyang City, Mt. Ryongak-san, near Mangyongdae Children's Union Camp, 10.VII.1982, singled material from a mixed forest near Mangyongdae Children's Union Camp, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 778 – Pyongyang City, Mt. Ryongak-san, near Mangyongdae Children's Union Camp, 12.VII.1982, singled material collected in a mixed forest near Mangyongdae Children's Union Camp, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 780 – Prov. North Pyongan, Mt. Myohyang-san, around Hotel Myohyang-san and along the pathway in Manpoktong, 13.VII.1982, singled Lepidoptera material around Hotel Myohyang-san and along the pathway in Manpoktong, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 788 – Prov. North Pyongan, Mt. Myohyang-san, pathway in Manpoktong to Pison waterfall, 14.VII.1982, singled material along the pathway in Manpoktong to Pison waterfall, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 793 – Prov. North Pyongan, Mt. Myohyang-san, Hotel Myohyang-san, 14.VII.1982, collecting from white sheet illuminated by mixed light and at an other place by two black lamps, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 800 – Prov. North Pyongan, Mt. Myohyang-san, pathway to Sangwonam, 15.VII. 1982, singled material along the pathway to Sangwonam, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 806 – Prov. North Pyongan, Mt. Myohyang-san, road between Bohyongsa cloister and Hotel Myohyang-san, 16.VII.1982, singled material along the road between Bohyongsa cloister and Hotel Myohyang-san, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 812 – Prov. North Pyongan, Mt. Myohyang-san, road to Manpoktong near Hotel Myohyang-san, 16.VII.1982, singled material along the road to Manpoktong near Hotel Myohyang-san, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 813 – Prov. North Pyongan, Mt. Myohyang-san, Hotel Myohyang-san, 16.VII.1982, collecting from white sheet illuminated by a mixed light, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 815 – Prov. North Pyongan, Mt. Myohyang-san, under Hwajangam, 17.VII.1982, singled material from the valley under Hwajangam, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 818 – Prov. North Pyongan, Mt. Myohyang-san, behind Hotel Myohyang-san, 17.VII. 1982, singled material in a mixed forest behind Hotel Myohyang-san, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 828 – Prov. North Pyongan, Mt. Myohyang-san, road between Hyangam and Children's Union Camp, 18.VII.1982, singled material, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 840 – Prov. North Pyongan, Mt. Myohyang-san, pathway to Hwajangam, 19.VII. 1982, singled material along the pathway to Hwajangam, FORRÓ L. & RONKAY L., NK, exp. no. 8.

- 847 – Pyongyang City, Mt. Ryongak-san, 20.VII.1982, singled material collected from shrubs, trees, stones and trunks, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 850 – Prov. Kangwon, Mt. Kumgang-san, Hotel Kumgang-san, 22.VII.1982, collecting from white sheet illuminated by a mixed light, on the balcony of the hotel, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 865 – Prov. Kangwon, Mt. Kumgang-san, Hotel Kumgang-san, 25.VII.1982, collecting from white sheet illuminated by a mixed light lamp and at an other place by a black lamp, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 873 – Prov. North Hwanghae, Hotel Janamsan, Kaesong, 29.VII.1982, collecting from white sheet illuminated by a mixed light lamp, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 875 – Prov. North Hwanghae, Bagyon Falls, 30.VII.1982, singled material around the falls, FORRÓ L. & RONKAY L., NK, exp. no. 8.
- 910 – Pyongyang City, Mt. Daesong-san, 15.V.1985, warm sunny afternoon with wind, singled material in the vicinity of the look-out building, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 916 – Pyongyang City, Mt. Daesong-san, 16.V.1985, warm sunny forenoon, singled material along the road-side, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 918 – Pyongyang City, on the way to Mangyongdae, 17.V.1985, warm sunny forenoon, sweeping the degraded vegetation along the road-side, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 919 – Pyongyang City, Mt. Ryongak-san, 17.V.1985, warm sunny forenoon, singling specimens by the road-side starting from the top of the mountain and descending to the valley, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 929 – Prov. North Pyongan, Mt. Myohyang-san, 21.V.1985, blue sky with some white clouds, a warm afternoon, singled material, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 931 – Prov. North Pyongan, Mt. Myohyang-san, 21.V.1985, collecting galls from *Salix* and Lepidoptera larvae, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 933 – Prov. North Pyongan, Mt. Myohyang-san, 21.V.1985, cool evening, night collecting at blended light in the balcony of the hotel, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 934 – Prov. North Pyongan, Mt. Myohyang-san, pathway to Bulyongdae temple, 1000 m, 22.V.1985, warm forenoon, cloudless, blue sky, pathway to Bulyongdae temple (about 1000 m), collecting mostly by sweeping net either by singling specimens or sweeping the vegetation, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 939 – Prov. North Pyongan, Mt. Myohyang-san, River Hyangsan-chon, 22.V.1985, pleasant evening, night collecting at blended light (250 W) by using a Honda generator, some three kilometres off the hotel, by the River Hyangsan-chon, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 943 – Prov. South Pyongan, Lokam Reserve (some 40 km north of the capital), 25.V.1985, cool forenoon with high wind, temperature about 18°C, singled material from much degraded vegetation in a recreation ground with a water reservoir, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.

- 945 – Prov. Kangwon, Mt. Kumgang-san, around the rest house Oe-Kumgang, 26.V.1985, warm, sunny afternoon, temperature about 26 °C, singled material in a mixed forest around the rest house Oe-Kumgang, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 949 – Prov. Kangwon, Mt. Kumgang-san, foot-path from Kumgang-mun Gate to the waterfall Kuryong-popo, 27.V.1985, warm, sunny morning, about 24 °C, singling along the foot-path from Kumgang-mun Gate to the waterfall Kuryong-popo, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 955 – Prov. Kangwon, Mt. Kumgang-san, serpentine to Kwinyon-am Rock, 28.V.1985, cloudy sky with occasional sunshine, temperature about 20°C, singling along the serpentine to Kwinyon-am Rock, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 962 – Pyongyang City, Ryongak-san, 30.V.1985, pleasant night, collecting at a blended light (250 W) fed by a Honda generator, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 964 – Pyongyang City, Ryongak-san, 31.V.1985, warm, cloudy forenoon, temperature about 22°C, singled material on the side of the concrete road, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 972 – Pyongyang City, Mt. Daesong-san, 1.VI.1985, overcast sky, temperature about 20°C, with a slight wind, singling material, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 974 – Prov. Ryanggang, Hyesan, 2.VI.1985, cool evening, temperature about 18°C, collecting at blended light (250 W) on the balcony of the hotel, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 975 – Prov. Ryanggang, Samjiyon, 3.VI.1985, warm, windy forenoon with occasional showers, collecting in a *Larix* wood with greybeard lichen (*Usnea* sp.), the specimens were singled, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 987 – Prov. Ryanggang, Samjiyon, 4.VI.1985, warm, sunny forenoon, temperature about 22°C, singling material around the hotel in *Larix* forest, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 990 – Prov. Ryanggang, on the way back from Mt. Paekdu-san, Samjiyon, 2100 m, 4.VI.1985, singling material in a *Picea* forest on the way back from Mt. Paekdu-san, altitude about 2100 m, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 1010 – Pyongyang City, Ryongak-san, 8.VI.1985, warm, cloudy forenoon, temperature about 22°C, singling material along the mountain serpentine, VOJNITS A. & ZOMBORI L., NK, exp. no. 9.
- 1018 – Pyongyang City, Hotel Potonggang, Pyongyang, 5.X.1987, singled at light between 20.00 and 22.00 h in the vicinity of the hotel (gardens, dead arms and small ponds skirted with willow, poplar and various other trees), KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1022 – Prov. North Pyongan, Mt. Myohyang-san, Hotel Myohyang-san, 8.X.1987, singled around the hotel, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1034 – Prov. North Pyongan, Mt. Myohyang-san, Hotel Myohyang-san, 10.X.1987, collected at light around the hotel, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.

- 1044 – Pyongyang City, Mt. Ryongak-san, 14.X.1987, singled in the forest, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1046 – Pyongyang City, at the border of the city on the road to Nampo, Pyongyang, 15.X.1987, material singled from under stones and from flowers at the border of the city on the road to Nampo, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1049 – Prov. South Hwanghae, Mt. Suyong-san, Haeju, 16.X.1987, material collected in a deciduous forest of the SE slope, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1052 – Prov. South Hwanghae, Mt. Yangchi-san, Haeju, 17.X.1987, material collected in a warm, rocky forest, KORSÓS Z., RONKAY L., KOVÁTS D. & SZOLLÁT GY., NK, exp. no. 11.
- 1317 – Pyongyang City, Daesong-san, 16.VI.1988, hot sunny afternoon, mixed scrub-wood, sweeping and beating the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1333 – Prov. Kangwon, Kumgang-san, Hotel Kumgang-san, Onjong-ri, 17.VI.1988, night collecting around lampshades and from illuminated sheet in the Hotel Kumgang-san, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1336 – Prov. Kangwon, Kumgang-san, Onjong-ri, 21.VI.1988, warm sunny forenoon, a little degraded vegetation along concrete roads in *Pinus densiflora* forest, singling and sweeping from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1340 – Prov. Kangwon, Kumgang-san, Manmul-san, 21.VI.1988, warm sunny afternoon, broad-leaved scrub-wood, singling and sweeping from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1341 – Prov. Kangwon, Kumgang-san, Onjong-ri, 22.VI.1988, warm cloudy forenoon, weedy places along the streets of the village and among arable lands, singling and sweeping from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1344 – Prov. Ryanggang, Hotel Hyesan, Hyesan, 26.VI.1988, singling in the windows and dark corners of the Hotel Hyesan, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1345 – Prov. Ryanggang, Samjiyon, 26.VI.1988, warm sunny day. *Larix olgensis*-forest mixed with *Picea coreana*, *P. ajanensis* and *Betula pendula*, with rich shrub-level and underwood. Sweeping and singling from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1361 – Prov. Ryanggang, Taehongdan, 1000 m, 29.VI.1988, cloudy warm forenoon, young *Larix olgensis*-*Betula pendula* forest, singling and sweeping from the vegetation, mainly from flowering shrubs, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.

- 1363 – Prov. Ryanggang, Mupo, Tuman-gang, 1000 m, 29.VI.1988, rainy warm afternoon, young *Larix olgensis*-*Betula pendula* forest, with ornamental shrubs along the paths, singling from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1368 – Prov. Ryanggang, Konchang, 800 m, 30.VI.1988, hot sunny afternoon with showers, stream valley with shrubs of willow and rich underwood, sweeping and singling from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1374 – Pyongyang City, Michon-ho, at the foot of Daesong-san, 3.VII.1988, hot sunny afternoon, degraded, weedy vegetation around the artificial lake at the foot of Daesong-san. Sweeping and singling from the vegetation, MERKL O., SZÉL GY., LÖKÖS L. & SZERDAHELYI T., NK, exp. no. 12.
- 1379 – Pyongyang City, Mt. Daesong-san, 21.V.1991, singled insects collected at late afternoon in a dry hillside, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1381 – Pyongyang City, Mt. Ryongak-san, 22.V.1991, netted insects from a dry rocky forest and a brook valley, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1383 – Prov. North Pyongan, Mts Myohyang-san, Hotel Myohyang, river Hyangsan, 23.V.1991, Lepidoptera netted at the vicinity of the hotel and along the river Hyangsan, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1385 – Prov. North Pyongan, Mts Myohyang-san, Isonnam valley, 23.V.1991, Lepidoptera netted in the valley in late afternoon, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1392 – Prov. North Pyongan, Mts Myohyang-san, Isonnam valley, Habiro temple and Isonnam waterfall, 24.V.1991, netted insects collected at the Habiro temple and the Isonnam waterfall, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1396 – Prov. North Pyongan, Mts Myohyang-san, Hotel Myohyang, 24.V.1991, Lepidoptera collected by light on the balcony of the hotel, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1405 – Prov. North Pyongan, Mts Myohyang-san, Hotel Myohyang, 26.V.1991, Lepidoptera collected by a light trap in the vicinity of the hotel, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1406 – Prov. North Pyongan, Mts Myohyang-san, river Hyangsan, 27.V.1991, singled and netted insects collected along the river Hyangsan in the morning and at noon, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1408 – Prov. North Pyongan, Mts Myohyang-san, Isonnam valley, 27.V.1991, Lepidoptera netted along the valley in late afternoon, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1415 – Prov. North Pyongan, Mts. Myohyang-san, Hyangsan valley, 28.V.1991, Lepidoptera netted at valley, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1422 – Prov. North Pyongan, Mts Myohyang-san, river Hyangsan, 29.V.1991, insects singled along the river Hyangsan at morning, RONKAY L. & VOJNITS A., NK, exp. no. 13.

- 1424 – Prov. North Hamgyong, ~10 km NNW Chondjin, 1.VI.1991, netted Lepidoptera collected along a valley about 10 km NNW of Chondjin at late afternoon, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1426 – Prov. North Hamgyong, Chondjin, 1.VI.1991, Lepidoptera collected by light trap, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1427 – Prov. North Hamgyong, Chondjin, 1.VI.1991, lepidoptera collected at light near to the previous place, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1429 – Prov. North Hamgyong, O-sang-li valley, ~20 km SW Chondjin, 2.VI.1991, netted Lepidoptera collected in the O-sang-li valley, about 20 km SW of Chondjin in the afternoon, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1433 – Prov. North Hamgyong, Chondjin, 3.VI.1991, Lepidoptera collected by a light trap in a mixed forest near to the previous place, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1435 – Prov. North Hamgyong, SE of Puryong, ~40 km NE Chondjin, 4.VI.1991, Lepidoptera collected in a brook valley SE of Puryong, about 40 km NE of Chondjin, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1440 – Prov. North Hamgyong, in the vicinity of Kumgang, 15 km NW Chondjin, 5.VI.1991, Lepidoptera collected in a hilly forest clearing in the vicinity of Kumgang, 15 km NW of Chondjin, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1446 – Pyongyang City, Mts. Ryongak-san, Pyongyang, 8.VI.1991, Lepidoptera netted along a valley in daytime, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1451 – Prov. Kangwon, Mts Kumgang-san, near to Hotel Kumgang, 9.VI.1991, Lepidoptera collected by a light trap in a side valley near to Hotel Kumgang, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1461 – Prov. Kangwon, Mts Kumgang-san, road between Onjong-ri and Kumgang, 12.VI.1991, Lepidoptera collected in a side valley along the road between Onjong-ri and Kumgang in daytime, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1467 – Prov. Kangwon, Mts Kumgang-san, NW Onjong-ri, 13.VI.1991, Lepidoptera collected in daytime in a side valley NW of Onjong-ri, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1468 – Prov. Kangwon, Mts Kumgang-san, Kuryong valley, 13.VI.1991, Lepidoptera collected in afternoon in the lower part of the valley, RONKAY L. & VOJNITS A., NK, exp. no. 13.
- 1601 – Prov. Jeju, Mt. Hanna-san, 10.X.1991, singled material while visiting various collecting sites at a lower elevation and caves on the island, ZOMBORI L., SK, exp. no. 16.
- 1607 – Prov. South Kangwon, 12 km NE Chuncheon, 15.VIII.1992, in the valley of a small river, material collected at a white screen illuminated with a 125 W mercury vapour lamp, RONKAY L. & VOJNITS A., SK, exp. no. 17.
- 1608 – Prov. South Kangwon, Mts Seolak-san, near Sorak-plaza, 16.VIII.1992, material collected at an illuminated white screen. RONKAY L. & VOJNITS A., SK, exp. no. 17.

- 1637 – Prov. Jeju, Cheju-do island, Mts Halla-san, 5 km SW Cheju city, 500 m, 24.VIII.1992, Lepidoptera collected at an illuminated screen in a bushy forest clearing before a heavy thunderstorm, RONKAY L. & VOJNITS A., SK, exp. no. 17.
- 1644 – Prov. South Kangwon, Bongmyong-ri, 21 km SE Chuncheon, 500 m, 37°XX' N 127°XX' E 21.X.1993. A long, rather narrow brook-valley and a north-western slope with mixed deciduous forests. Lepidoptera collected at a white screen illuminated by a 125 W mercury vapour lamp, by two portable light-traps and with sugar-baits. PEREGOVITS L. & RONKAY L., SK, exp. no. 18.
- 1663 – Prov. South Jeolla, Mt. Paekun-san, at the vicinity of Nonshil, Nonshil, 550–600 m, 31.X.1993, a deep, narrow brook valley and its less steep slopes covered with rich, mixed deciduous forests, various insect groups collected by sugar baits, a white screen illuminated by a 125 W mercury vapour bulb and by two portable light traps operating with 6 W UV-tubes, PEREGOVITS L. & RONKAY L., SK, exp. no. 18.
- 1664 – Prov. South Jeolla, Mt. Paekun-san, at the vicinity of Nonshil, Nonshil, 550–650 m, 1.XI.1993, Butterflies and dipterans collected in the brook valley and the surrounding meadows and edges of small rice terraces during the forenoon. PEREGOVITS L. & RONKAY L., SK, exp. no. 18.
- 1665 – Prov. South Jeolla, Mt. Paekun-san, at the vicinity of Nonshil, Nonshil, 550–650 m, 1.XI.1993, Lepidoptera collected along two deep, narrow brook valleys, in rich, mixed deciduous forests with sugar baits, at a white screen illuminated by a 125 W mercury vapour bulb and by two portable light traps operating with 6 W UV-tubes, PEREGOVITS L. & RONKAY L., SK, exp. no. 18.
- 1671 – Prov. North Gyeongsang, Mts Pohyonsan, at the forest experimental station, between Wolmae and Pohyon-sa, 800 m, 36°09' N 129°00' E 23.IV.1994, Lepidoptera collected by three portable light-traps, in a deep stream valley surrounded by mixed rocky forests on steep slopes, PEREGOVITS L., RONKAY L. & VOJNITS A., SK, exp. no. 19.
- 1695 – Prov. South Kangwon, vic. of Chuncheon, Soyang-Dam, Chuncheon, 700 m, 37°55' N 127°50' E 20.X.1993, a narrow, gorge-like rocky valley with a small brook with dense herbaceous and shrubby vegetation and with old mixed forests, Lepidoptera collected at a white screen illuminated by a 125 W mercury vapour lamp and by three portable light-traps, PEREGOVITS L., RONKAY L. & VOJNITS A., SK, exp. no. 19.
- 1715 – Prov. Kangwon, Kangwon National University, Campus, Chunchon, 37°52' 819" N 127°40'00" E 26.X.2001, nocturnal moths collected with sugar baits, KUN A. & RONKAY L., SK, exp. no. 21.
- 1741b– Prov. Kangwon, Wolgok-ri, Chuncheon, 104 m, 37°55' N 127°47' E 29.VIII.2003, collecting at light, FÖLDVÁRI M. & KUN A., SK, exp. no. 23.
- 1746b– Prov. Gyungbug, Mt. Noak, Sangju, 165 m, 36°25' N 128°06' E 3.IX.2003, collecting at light, FÖLDVÁRI M. & KUN A., SK, exp. no. 23.
- 1833 – Daegu City, Palgong Mts., Dong Hwa Sa, 500 m, 35°60' N 128°42' E 25.IX.2003, singled invertebrates, CSORBA G, MATSKÁSI I. & MÉSZÁROS F., SK, exp. no. 24.

- 1868** – Kyongsangbuk Prov., near Sangju, Namjangse, Sangju, 200 m, 36°26' N 128°07' E 30.IX.2003, invertebrates and frogs (*Hyla japonica* GÜNTHER, 1859) singled along a creek, CSORBA G, MATSKÁSI I. & MÉSZÁROS F., SK, exp. no. 24.
- 2010-02** – Prov. Gangwon, Inje-gun, Inje, 2 km E of the city Naerincheon river, shore vegetation and its sidebrook, 200 m, N38°04.021' E128°11.468' 8.IX.2010, singled with butterfly net, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-05** – Prov. Gangwon, Yangyang-gun, Seorak Mts, Hangaeryeong pass, 1.5 km S of the rest area, forest brook and deciduous forest, 875 m, N38°05.481' E128°24.267' 9.IX.2010, singled with sweeping net, butterfly net, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-08** – Prov. Gangwon, Yangyang-gun, Su-ri, near to the settlement, puddle and channel at a rice field, 20 m, N38°02.057' E128°35.999' 09.IX.2010, singled with butterfly net, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-11** – Prov. Gangwon, Yangyang-gun, Yeounpo-ri, Hajodae beach near to the settlement, pond and its ruderal shore vegetation, 5 m, N38°02.231' E128°42.028' 10.IX.2010, singled with butterfly net, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-16** – Prov. Gyeonggi, Gapyeong-gun, Hwaak Mts, Hwaak pass, 2.5 km S of the tunnel, pine forest, 430 m, N37°58.465' E127°31.559' 11.IX.2010, singled, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-18** – Prov. Gyeonggi, Gapyeong-gun, Buk-myeon, 0.5 km N of the settlement, poplar groove, 135 m, N37°53.484' E127°33.235' 11.IX.2010, singled, FORRÓ L., MAKRANCZY GY., MURÁNYI D., SUN JAE PARK, JUNG DO YOON, SK.
- 2010-39** – Prov. South Jeolla, Gurye-gun, Muncheong-myeon, Seomjin river, N35°12'04.8" E127°35'29.5" 15.IX.2010, singled with butterfly net, JOO LAE CHO, FORRÓ L., DONG HO KANG, HYEONG GEUN KIM, SK.
- 2010-40** – Prov. North Jeolla, Namwon city, Unbong-eup, Juchon-ri, puddles on and near to a dirt road in pine groove, ruderal roadside vegetation, 570 m, N35°23.503' E127°30.402' 16.IX.2010, singled with butterfly net, HYE WOON BYEON, FORRÓ L., TAE WOO KIM, MAKRANCZY GY., MURÁNYI D., SK.
- 2010-42** – Prov. South Gyeongsang, Hamyang-gun, Macheon, near the settlement, confluence of Deogjeoncheon and Mansucheon rivers, and their shore vegetation, 280 m, N35°23.620' E127°39.652' 16.IX.2010, singled with butterfly net, HYE WOON BYEON, FORRÓ L., TAE WOO KIM, MAKRANCZY GY., MURÁNYI D., SK.
- 2010-44** – Prov. South Gyeongsang, Sancheong-gun, Jiri Mts, Ogeok valley, 3 km NW of Daewon temple, N branch of Yup-yeong, mixed forest, forest stream, open spring and its outlet, forest edge, 675 m, N35°22.926' E 127°47.112' 16.IX.2010, singled with butterfly net, HYE WOON BYEON, FORRÓ L., TAE WOO KIM, MAKRANCZY GY., MURÁNYI D., SK.
- AP-1** – Seoul City, Soeul Kwang-noeng, 26.V.1960, AGÓCSY P., SK.
- IHA-01** – Prov. Ryanggang, Paegam, 30.VI.1985, IM HONG AN, NK.
- IHA-02** – Prov. Ryanggang, Paegam, 6.VI.1985, IM HONG AN, NK.

- IHA-03 – Prov. Ryanggang, Paegam, 11.VII.1985, IM HONG AN, NK.
IHA-04 – Prov. Ryanggang, Paegam, 4.VII.1985, IM HONG AN, NK.
IHA-05 – Prov. Ryanggang, Paegam, 8.IX.1985, IM HONG AN, NK.
IHA-06 – Prov. Ryanggang, Paegam, 25.VI.1985, IM HONG AN, NK.
IHA-07 – Prov. Chagang, Ranguim range Mt Ranguim-san, 7.VII.1982, IM HONG AN, NK.
IHA-08 – Prov. Chagang, Ranguim range Mt Ranguim-san, 10.VII.1983, IM HONG AN, NK.
IHA-09 – Prov. Ryanggang, Samjiyon, 1700 m, 4.VII.1984, IM HONG AN, NK.
IHA-10 – Prov. Ryanggang, Samjiyon, 1700 m, 5.VII.1984, IM HONG AN, NK.
IHA-11 – Prov. Ryanggang, Samjiyon, 1700 m, 21.VI.1985, IM HONG AN, NK.
IHA-12 – Prov. Ryanggang, Samjiyon, 1700 m, 5.VI.1985, IM HONG AN, NK.
IHA-13 – Prov. Ryanggang, Samjiyon, 1700 m, 11.VII.1985, IM HONG AN, NK.
IHA-14 – Prov. Ryanggang, Samjiyon, 1700 m, 12.VII.1985, IM HONG AN, NK.
IHA-15 – Prov. Ryanggang, Samjiyon, 1700 m, 15.VII.1985, IM HONG AN, NK.
IHA-16 – Prov. Ryanggang, Samjiyon, 1700 m, 16.VII.1985, IM HONG AN, NK.
IHA-17 – Prov. Ryanggang, Samjiyon, 1700 m, 2.VII.1989, IM HONG AN, NK.
IHA-18 – Prov. North Hwanghae, Yonsan, 24.VII.1985, IM HONG AN, NK.
IHA-19 – Prov. Noth Hamgyong, Yousa, 28 VI.1983, IM HONG AN, NK.
IHA-20 – Prov. Chagang, Ranguim Range Mt. Ranguim-San, 16.VII.1983, IM HONG AN, NK.
IHA-21 – Prov. Chagang, Ranguim Range Mt Ranguim-San, 1.VI.1984, IM HONG AN, NK.
IHA-22 – Prov. North Hwanghae, Yonsan, 10.V.1985, IM HONG AN, NK.
IHA-23 – Prov. North Hwanghae, Yohsay, 16.V.1985, IM HONG AN, NK.
IHA-24 – Prov. Ryanggang, Paegam, 16.V.1985, IM HONG AN, NK.
IHA-25 – Prov. Ryanggang, Paegam, 30.V.1985, IM HONG AN, NK.
IHA-26 – Prov. North Hwanghae, Yohsay, 9.V.1985, IM HONG AN, NK.
IHA-27 – Prov. Ryanggang, Paegam, 1.VI.1985, IM HONG AN, NK.
IHA-28 – Prov. Ryanggang, Paegam, 21.V.1985, IM HONG AN, NK.
IHA-29 – Prov. Ryanggang, Paegam, 4.VI.1985, IM HONG AN, NK.
IHA-30 – Prov. Ryanggang, Paegam, 5.VI.1985, IM HONG AN, NK.
IHA-31 – Prov. Ryanggang, Paegam, 7.VII.1985, IM HONG AN, NK.
SML-01 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 17.VI.1968, LEE S. M., SK.
SML-02 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 27.VI.1968, LEE S. M., SK.
SML-03 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 22.VII.1969, LEE S. M., SK.
SML-04 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 9.V.1970, LEE S. M., SK.
SML-05 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 14.IV.1971, LEE S. M., SK.
SML-06 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 21.IV.1971, LEE S. M., SK.
SML-07 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 24.IV.1971, LEE S. M., SK.
SML-08 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 1.VII.1971, LEE S. M., SK.
SML-09 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 29.VI.1971, LEE S. M., SK.
SML-10 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 12.V.1971, LEE S. M., SK.
SML-11 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 13.V.1971, LEE S. M., SK.

- SML-12** – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 14.V.1971, LEE S. M., SK.
SML-13 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 15.V.1971, LEE S. M., SK.
SML-14 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 16.V.1971, LEE S. M., SK.
SML-15 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 17.V.1971, LEE S. M., SK.
SML-16 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 18.V.1971, LEE S. M., SK.
SML-17 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 19.V.1971, LEE S. M., SK.
SML-18 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 23.V.1971, LEE S. M., SK.
SML-19 – Prov. Gyeonggi, Kwang-Neung, Kyeong-Gi-Do, 5.VII.1972, LEE S. M., SK.
SZD-01 – Prov. South Hwanghae, Haeju Mt Suyong-san, 28–30.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-02 – Prov. Kangwon, Kumgang-san, 6–9.IX.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-03 – Prov. North Pyongan, So Hung Ho lake Sohung near Chonggye-ri, 3.IX.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-04 – Prov. North Pyongan, Mt. Myohyang-san, 17–20.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-05 – Prov. North Pyongan, Mts Myohyang-san, 23.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-06 – Prov. North Pyongan, Mt. Myohyang-san, Hwayangam, 17–20.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-07 – Prov. South Pyongan, Nampo, 23.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-08 – Prov. North Pyongan, So Hung Ho lake So Hung near Chonggye-ri, 1.IX.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-09 – Pyongyang City, Mt Ryongak-san, 23.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-10 – Pyongyang City, Pyongyang, 27.VIII.1989, SZOLLÁT GY., DOBOLYI K., NK.
SZD-11 – Pyongyang City, Pyongyang, 10.IX.1989, SZOLLÁT GY., DOBOLYI K., NK.
ZL-01 – Prov. Jeju, Cheju isl. Mt. Hanna son No. 5, 10.X.1981, ZOMBORI L., SK.
XX-01 – Prov. Gyeonggi, Kwangmeung, 8.IX.1976, SK.
XX-02 – Seoul City, Kwang-Noeng bij Szoul, 29.VI.1961, SK.
XX-03 – Seoul City, Kwang-noeng bij Szoul Corea, 12.VI.1961, SK.
XX-04 – Seoul City, Kwang-noeng bij Szoul Corea, 13.VI.1961, SK.
XX-05 – Seoul City, Kwang-Noeng Bij Szoul Korea, 5.V.1961, SK.
XX-06 – Seoul City, Kwang-Noeng Bij Szoul Korea, 19.VI.1961, SK.
XX-07 – Seoul City, Kwang-Noeng Bij Szoul Korea, 19.VII.1961, SK.
XX-08 – Seoul City, Kwang-Noeng Soeul, 26.V.1960, SK.
XX-09 – Seoul City, Kwang-Noeng Soeul, 6.[?].1961, SK.
XX-10 – Prov. Ryanggang, Paegam, NK.
XX-11 – Seoul City, Soeul Kwang-Noeng, 26.V.1960, SK.
XX-12 – Seoul City, Kwang-Noeng bij Szoul Corea, 27.VI.1960, SK.
XX-13 – Seoul City, Kwang-Noeng bij Szoul Corea, [?].VIII.1960, SK.
XX-14 – Seoul City, Kwang-Noeng bij Szoul Corea, 12.VII.1961, SK.
XX-15 – Seoul City, Kwang-Noeng bij Szoul, 26.VI.1960, SK.
XX-16 – Seoul City, Kwang-Noeng bij Szoul, 23.VI.1961, SK.

LIST OF SPECIES

Hesperiidae
Coeliadinae*Bibasis aquilina* SPEYER, 1879 – 788 (1), 812 (1), 813 (1), 815 (1)

Hesperiinae

- Aeromachus inachus* (MÉNÉTRIÉS, 1858) – 158 (1), 178 (2)
Carterocephalus dieckmanni (GRAESER, 1888) – 955 (1), 1415 (1)
Carterocephalus palaemon albiguatus (CHRISTOPH, 1893) – 1345 (1), 1368 (1), 1385 (1)
Carterocephalus silvicola (MEIGEN, 1829) – 987 (1), 1363 (1), IHA-02 (1), IHA-12 (2)
Heteropterus morpheus (PALLAS, 1771) – 168 (2), 186 (1), 277 (2), 330 (2), 1461 (4)
Leptalina unicolor (BREMER et GREY, 1853) – 139 (1), 146 (1), 910 (2), 1379 (2)
Ochlodes ochraceus BREMER, 1861 – 292 (1), 780 (1)
Ochlodes subhyalina (BREMER et GREY, 1853) – 266 (2), 299 (1), 304 (2), 333 (1), 340 (1),
 744 (1), 750 (1), 756 (5), 762 (6), 778 (6), 813 (1), 1368 (1)
Ochlodes venatus (BREMER et GREY, 1853) – 266 (1)
Parnara guttata (BREMER et GREY, 1853) – 158 (1), 254 (1), 1601 (1)
Pelopidas jansonis (BUTLER, 1878) – 847 (2)
Pelopidas mathias oberthueri EVANS, 1937 – 2010-11 (1)
Potanthus flavus (MURRAY, 1875) – 778 (1)
Thymelicus leoninus (BUTLER, 1878) – 780 (3)
Thymelicus sylvaticus (BREMER, 1861) – 321 (1), 323 (1)

Pyrginae

- Daimio tethys* (MÉNÉTRIÉS, 1857) – 151 (1), 158 (1), 875 (1), 972 (2), 1406 (2), 1408 (1),
 1427 (1), 1446 (4)
Erynnis montanus (BREMER, 1861) – 910 (3), 916 (1), 919 (3), 929 (3), 934 (2), 945 (1), 1406
 (1), 1415 (2), 1665 (1)
Lobocla bifasciata BREMER et GREY, 1853 – 266 (1), 333 (2), 756 (1), 762 (3), 812 (1), 815
 (2), 1317 (2), 1333 (3), 1336 (4)
Pyrgus alveus speyeri STAUDINGER, 1887 – 195 (1), 197 (1), 283 (1), 375 (1)
Pyrgus maculatus (BREMER et GREY, 1853) – 158 (2), 306 (1), 910 (2)
Pyrgus malvae coreanus WARREN, 1957 – 975 (6), 987 (1)
Satarupa nymphalis (SPEYER, 1878) – 806 (1), 813 (1)

Lycaenidae**Lycaeninae**

Helleia helle (DENIS et SCHIFFERMÜLLER, 1775) – IHA-27 (1), IHA-29 (1), IHA-30 (2)

Lycaena dispar aurata (LEECH, 1887) – 295 (2)

Lycaena phlaeas chinensis (FELDER, 1862) – 158 (1), 326 (3), 850 (1), 875 (1)

Polyommatainae

Aricia mandshurica (STAUDINGER, 1892) – 277 (1)

Celastrina argiolus ladonides (DE L'ORZA, 1869) – 168 (1), 740 (2), 788 (2), 815 (1), 910 (4), 916 (1), 919 (2), 934 (1), 949 (3), 955 (2), 972 (2), 1344 (1), 1368 (2), 1379 (1), 1383 (1), 1415 (1), 1424 (2), 1440 (2), 1608 (1), 1671 (11), SZD-01 (2), SZD-08 (2), XX-15 (1), XX-16 (1)

Eumedonia eumedon antiqua (STAUDINGER, 1899) – 277 (3), IHA-27 (2)

Everes argiades hellotia (MÉNÉTRIÉS, 1857) – 139 (1), 154 (1), 158 (9), 174 (2), 177 (1), 178 (2), 186 (1), 193 (2), 197 (1), 230 (3), 241 (1), 257 (1), 266 (6), 287 (1), 310 (1), 330 (1), 875 (1), 910 (1), 916 (1), 918 (1), 919 (7), 929 (1), 943 (1), 955 (7), 964 (1), 972 (1), 1018 (1), 1374 (2), 1379 (2), 1381 (1), 1406 (2), 1415 (2), 1424 (36), 1427 (2), 1433 (1), 1440 (1), 2010-40 (1), 2010-42 (1), SML-03 (1), SML-08 (1), SML-10 (1), SML-11 (1), SML-12 (1), SML-13 (1), SML-14 (1), SML-15 (1), SML-16 (1), SML-17 (1)

Lycaeides argyrognomon ussurica (FORSTER, 1936) – 178 (1), 780 (2), 1018 (1), 1424 (5), 2010-42 (1)

Lycaeides subsolanus (EVERSMANN, 1851) – 197 (1), 292 (1), 780 (2), 1034 (2)

Maculinea arionides (STAUDINGER, 1887) – 321 (1)

Maculinea teleius euphemia (STAUDINGER, 1887) – 277 (1), 374 (1), IHA-13 (1)

Niphanda fusca (BREMER et GREY, 1853) (Figs 1–3) – 158 (4), 159 (2), 304 (3), 740 (3), 744 (2), 750 (1), 762 (2), 847 (6)

Plebejus argus micrargus (BUTLER, 1878) – 283 (1), 374 (3)

Polyommatus amorata tsvetajevi (KURENTZOV, 1970) – 287 (1), 292 (2), 295 (2), 1424 (1)

Pseudozizeeria maha argia (MÉNÉTRIÉS, 1857) – 1663 (11), 1664 (2), 1715 (1), 1868 (3), ZL-10 (1)

Scolitantides orion coreana (MATSUMURA, 1926) – 780 (1), 788 (1), 813 (1), 929 (1), 943 (2), 949 (3), 1424 (5), 1671 (1)

Tongeia fischeri EVERSMANN, 1843) – 158 (1), 254 (1), 762 (2), 788 (1), 910 (4), 919 (1), 1010 (1), 1046 (1), 1381 (2), 1408 (1), 1424 (1)

Vacciniina optilete sibirica (STAUDINGER, 1892) – 280 (1), 287 (4), 371 (1), 374 (1), 375 (1), IHA-09 (1), IHA-10 (1)

Theclinae

- Antigius butleri* (FENTON, 1882) – 740 (1), 788 (1)
Callophrys ferrea korea JOHNSON, 1992 – 1671 (6)
Coreana raphaelis (OBERTHÜR, 1880) – SML-01 (1), SML-09 (3), XX-02 (1)
Favonius cognatus STAUDINGER, 1892 – 277 (1), 818 (1), 875 (1), 1022 (2)
Fixsenia prunoides (STAUDINGER, 1887) – 780 (1)
Fixsenia spini latior (FIXSEN, 1887) – 292 (2), 780 (1)
Japonica lutea dubatolovi FUJIOKA, 1993 – 780 (1), 788 (3)
Japonica saepestriata (HEWITSON, 1865) – XX-11 (2)
Rapala arata (BREMER, 1861) – 146 (1), 186 (1), 740 (6), 762 (1), 778 (4), 847 (1), 850 (3),
 919 (4), 943 (2), 945 (2), 949 (2), 955 (2), 1381 (1), 1383 (2), 1385 (1), 1406 (3), 1415
 (4), 1422 (1), 1446 (2), 1461 (2), 1671 (1), SML-04 (2), SML-05 (1), SML-06 (2),
 SML-07 (1), SML-13 (1), SML-18 (2)
Thecla betulae coreana (NIRE, 1919) – 813 (1), 1044 (1), 1052 (1), 1715 (1)
Ussuriana michaelis (OBERTHÜR, 1880) – 788 (1), 800 (1), SML-02 (1), SML-19 (1)

Nymphalidae

Apaturinae

- Apatura ilia praeclara* (BOLLOW, 1930) – 780 (2), 788 (1), 793 (1)
Apatura iris (LINNAEUS, 1764) – IHA-20 (1)
Apatura metis heijana MATSUMURA, 1929 – 144 (1), 158 (1), 162 (1), 177 (1), 225 (3), 229
 (1), 304 (1), 788 (2), SZD-10 (1), SZD-11 (1), XX-13 (2)
Chitoria ulupi morii (SEOK, 1937) – 780 (1), XX-14 (1)
Dilipa fenestra takacukai SEOK, 1937 – IHA-22 (1), IHA-24 (2)
Hestina assimilis (LINNAEUS, 1758) – 299 (1), 815 (1)
Hestina persimilis seoki SHIROZU, 1955 – 964 (1), IHA-21 (1)
Mimathyma nicteis (MÉNÉTRIÉS, 1858) – 295 (1)
Mimathyma schrenckii (MÉNÉTRIÉS, 1858) – 287 (1), 310 (1)
Sasakia charonda koreana (LEECH, 1887) – 788 (1), XX-12 (1)
Sephisa princeps (FIXSEN, 1887) – 150 (1), 780 (1), 788 (1)

Danainae

- Anosia chrysippus* (LINNAEUS, 1758) – 379 (1)
Parantica sita nipponica (MOORE, 1883) – 206 (1)

Heliconiinae

- Argynnis paphia tsushimana* (FRUHSTORFER, 1906) – 195 (1), 197 (4), 292 (1), 295 (1), 321 (3), 1467 (1), 2010-02 (2)
- Argyreus hyperbius* (LINNAEUS, 1763) – 2010-42 (1)
- Argyronome laodice japonica* (MÉNÉTRIÉS, 1857) – 186 (1), 230 (1), 266 (2), 284 (1), 292 (2), 299 (1), 330 (1), 351 (1), 756 (1), 806 (1), 812 (2), 813 (1), 815 (2), 1317 (1), 1341 (1), 2010-42 (1), SZD-02 (1)
- Boloria titiana nansetsuzana* (DOI, 1925) – 197 (1), 280 (3), 287 (15)
- Brenthis daphne fumida* (BUTLER, 1882) – 275 (9), 292 (6), 295 (1)
- Brenthis ino amurensis* (STAUDINGER, 1887) – 275 (1), 277 (5), 287 (2), 292 (3), 1467 (1)
- Childrena zenobia penelope* (STAUDINGER, 1891) – 788 (1), 815 (2), SZD-08 (1)
- Clossiana angarensis* (ERSCHOFF, 1870) – 197 (3), 275 (2), 280 (8), 283 (4), 371 (1), 374 (1), 1381 (1), 1424 (1), 1429 (8), 1435 (1), 1468 (1)
- Clossiana euphrosyne orphana* (FRUHSTORFER, 1907) – 1345 (2), 1368 (1)
- Clossiana selene sibirica* (ERSCHOFF, 1870) – 193 (1)
- Clossiana selene sugitanii* (SEOK, 1938) – 283 (1)
- Fabriciana adippe coreidippe* (LEECH, 1894) – 358 (1), 1461 (1), 1467 (2)
- Fabriciana vorax* (BUTLER, 1871) – 168 (1), 186 (1), 230 (2), 260 (2), 351 (1), 815 (2), 875 (1), 931 (1), 1317 (1)
- Speyeria aglaja clavimacula* (MATSUMURA, 1929) – 197 (3), 216 (1), 280 (3), 283 (1), 287 (1), 369 (1)

Libytheinae

- Libythea celtis celtoides* FRUHSTORFER, 1908 – 934 (1), 1049 (1), 1052 (2), AP-1 (1)

Limnitiinae

- Limnitis amphysa* MÉNÉTRIÉS, 1859 – 162 (1), 295 (1), SZD-04 (1)
- Limnitis camilla japonica* MÉNÉTRIÉS, 1857 – 257 (1), 283 (1), 295 (1), 780 (1), 788 (1), 812 (1), 1468 (2)
- Limnitis doerriesi chosensis* MATSUMURA, 1929 – 665 (1), 740 (2), 780 (1), 788 (1), 955 (2), 1461 (2), 1467 (2), 1468 (1), SZD-01 (1)
- Limnitis helmanni duplicata* STAUDINGER, 1892 – 168 (2), 186 (1), 230 (1), 295 (3), 304 (3), 321 (1), 626 (1), 780 (1), 788 (1), 955 (1), SZD-01 (1)
- Limnitis homeyeri* TANCRÉ, 1881 – IHA-07 (1)
- Limnitis moltrechti* KARDAKOFF, 1928 – 295 (2), 788 (2)
- Limnitis populi ussuriensis* STAUDINGER, 1887 – IHA-08 (2)
- Limnitis pratti eximia* MOLTRECHT, 1909 – 780 (3), 788 (7), 840 (1)
- Limnitis sydyi latefascata* MÉNÉTRIÉS, 1859 – 295 (1), IHA-08 (1)

- Neptis alwina* (BREMER et GREY, 1853) – 304 (1), 640 (1), 750 (2), 756 (1), 1317 (1), 1467 (1), 1746b (1)
- Neptis philyroides* STAUDINGER, 1887 – 275 (1), 788 (2), 1415 (1), 1446 (1), IHA-18 (1)
- Neptis pryeri* BUTLER, 1871 – 154 (1), 174 (1), 186 (1), 230 (1), 241 (2), 673 (1), 744 (1), 756 (2), 847 (1), 1317 (1), 2010-08 (1), 2010-40 (1), 2010-42 (1), SZD-04 (1), XX-04 (2)
- Neptis rivularis magnata* HENYE, 1895 – 275 (1), 277 (1), 292 (1), 972 (2), 1317 (2), 1361 (4), 1363 (2), 1374 (4)
- Neptis sappho intermedia* W. B. PRYER, 1877 – 168 (1), 186 (7), 219 (1), 304 (2), 740 (1), 756 (1), 780 (4), 788 (2), 815 (2), 828 (2), 847 (2), 850 (2), 910 (1), 919 (1), 929 (2), 934 (4), 945 (3), 949 (2), 955 (1), 974 (1), 1381 (5), 1383 (2), 1406 (5), 1408 (1), 1415 (2), 1422 (1), 1429 (2), 1440 (1), 1446 (2), SZD-08 (2), XX-04 (1)
- Neptis thisbe* MÉNÉTRIÉS, 1858 – 292 (1), 673 (1), 865 (2), 1446 (1)
- Neptis tshetverikovi* KURENTZOV, 1936 – 295 (1), 1340 (1)

Nymphalinae

- Aglais urticae coreensis* (KLEINSCHMIDT, 1929) – 1368 (1), IHA-28 (1), IHA-31 (1)
- Araschnia levana* (LINNAEUS, 1758) – 280 (1), 1427 (1), IHA-25 (1)
- Cynthia cardui* (LINNAEUS, 1758) – 287 (1), 321 (1), 1022 (1)
- Hypodryas intermedia* (MÉNÉTRIÉS, 1859) – 1345 (8), 1363 (1), 1368 (2)
- Inachis io geisha* (STICHEL, 1908) – 287 (1), IHA-15 (1)
- Kaniska canace no-japonicum* (SIEBOLD, 1824) – 154 (1), 241 (1), 354 (1), 780 (1), 788 (1), 919 (1), 964 (1), 1345 (1), 1383 (1), 1385 (1), 1406 (4), 1424 (1), 1664 (1)
- Melitaea britomartis latefascia* (FIXSEN, 1883) – XX-03 (1)
- Melitaea didyma seitzii* MATSUMURA, 1929 – 295 (1), 1333 (1), 1361 (2), 1363 (1)
- Mellicta ambigua nippona* (BUTLER, 1878) – 275 (1), 813 (2)
- Mellicta dictynna ercyna* (LEDERER, 1853) – 283 (1)
- Polygonia c-album hamigera* (BUTLER, 1877) – 929 (1), 933 (2), 1415 (1)
- Polygonia c-aureum* (LINNAEUS, 1758) – 168 (1), 174 (1), 176 (1), 177 (1), 178 (1), 181 (1), 197 (1), 301 (1), 320 (1), 778 (1), 780 (2), 788 (2), 806 (1), 828 (1), 1741.b (1), 2010-02 (1), 2010-05 (1), 2010-11 (1), 2010-18 (1), 2010-39 (5), 2010-42 (2)
- Vanessa indica* (HERBST, 1794) – 1044 (1), 1385 (1), SZD-04 (1)

Satryinae

- Aphantopus hyperantus ocellatus* BUTLER, 1882 – 275 (4), 277 (2), 292 (1)
- Coenonympha amaryllis accrescens* STAUDINGER, 1901 – 744 (2)
- Coenonympha hero coreana* MATSUMURA, 1927 – 374 (1), 972 (2), 1336 (1), 1345 (4), 1361 (2), 1363 (1), 1408 (1)
- Coenonympha oedippus amurensis* RÜHL, 1895 – 266 (3), 275 (1), 333 (1), 740 (1), 744 (1)

- Erebia cyclopia* (EVERSMANN, 1864) – 151 (1), 154 (2), 158 (2), 186 (1), 230 (2), 254 (1), 275 (3), 292 (1), 330 (2), 626 (1), 780 (2), 949 (1), 955 (1), 1336 (1), 1340 (1), 1345 (2), 1374 (2), 1385 (1), 1426 (1), 1429 (1), 1607 (1), SZD-01 (2), SZD-04 (1)
- Erebia embla succulenta* ALPHÉRAKY, 1897 – IHA-04 (1), IHA-11 (1)
- Erebia ligea ajanensis* MÉNÉTRIÉS, 1855 – 280 (98), 287 (1), 292 (2), 369 (5), IHA-03 (2), IHA-19 (1)
- Erebia nerine* (BÖBER, 1809) – 195 (5), 197 (7), 216 (1), 277 (1), 280 (1), 283 (1), 287 (16), SZD-04 (3)
- Erebia wanga* BREMER, 1964 – 929 (3), 1340 (1), 1385 (2), 1429 (1)
- Kirinia epimenides* (MÉNÉTRIÉS, 1859) – 260 (1), 850 (1)
- Lasiommata deidamia menetriesii* (BREMER et GREY, 1852) – 254 (1), 260 (2), 692 (1), 720 (1), 1317 (3), 1333 (6), 1341 (1), 1361 (1), 1429 (1), 1468 (1)
- Lethe diana* (BUTLER, 1866) – 692 (1), 780 (1), 850 (1), 949 (1), 1461 (2), 1468 (4), SZD-02 (2)
- Lopinga achine achinoides* BUTLER, 1877 – 275 (3), 284 (1)
- Melanargia epimede* (STAUDINGER, 1892) – 266 (1), 275 (10), 292 (4), 304 (1), 321 (2), 744 (4), 756 (2), 780 (1), 815 (1), 850 (1), 1368 (1), SZD-02 (2)
- Melanargia halimede* (MÉNÉTRIÉS, 1858) – 275 (1), 292 (1)
- Mycalesis francisca perdiccas* HEWITSON, 1862 – 168 (1), 692 (1), 955 (3), 962 (2), 972 (1), 1451 (1)
- Mycalesis gotama* MOORE, 1857 – 186 (1), 740 (1), 972 (2), SZD-01 (1), SZD-02 (1)
- Oeneis jutta sachaliensis* ESAKI, 1924 – 136 (1), 1345 (1), 1361 (1)
- Oeneis urda* (EVERSMANN, 1847) – 919 (1), 1361 (3), 1429 (3)
- Ypthima amphithea obscura* ELWES et EDWARDS, 1893 – 158 (2)
- Ypthima argus hyampeia* FRUHSTORFER, 1911 – 146 (1), 154 (1), 186 (1), 1415 (1)
- Ypthima motschulskyi* (BREMER et GREY, 1853) – 744 (2), 780 (1), 788 (1), 813 (1), 815 (1)

Papilionidae

Papilioninae

- Atrophaneura alcinous* (KLUG, 1836) – 197 (1), 284 (1), 304 (1), 762 (3), 778 (3), 847 (2), 916 (1), 929 (2), 934 (1), 949 (1), 1317 (1), 1340 (1), 1381 (1), 1385 (1), 1406 (1), 1408 (2), 2010-40 (1)
- Papilio bianor dehaanii* C. FELDER et R. FELDER, 1864 – 158 (1), 174 (1), 178 (1), 186 (3), 230 (1), 299 (1), 762 (1), 778 (1), 788 (1), 806 (1), 815 (1), 847 (3), 910 (8), 916 (1), 929 (1), 934 (2), 955 (1), 964 (1), 1381 (1), 1383 (8), 1385 (1), 1406 (12), 1408 (1), SZD-09 (1)
- Papilio maackii* MÉNÉTRIÉS, 1858 – 174 (1), 178 (1), 812 (1), 990 (1), 1383 (2), 1405 (6), 1406 (2), SZD-04 (1), SZD-05 (1)
- Papilio machaon hippocrates* C. FELDER et R. FELDER, 1864 – 750 (1), IHA-01 (1), SZD-05 (1), XX-10 (1)

- Papilio macilentus* JANSON, 1877 – 158 (1), 1385 (1), 1392 (2), 1406 (2), 1408 (4), 1695 (1), 1833 (1), IHA-23 (1), SZD-03 (1), SZD-06 (2)
- Papilio xuthus* (LINNAEUS, 1767) – 158 (1), 168 (1), 260 (1), 295 (1), 304 (3), 310 (2), 347 (1), 577 (1), 778 (1), 788 (1), 812 (1), 815 (1), 847 (2), 910 (5), 919 (1), 929 (1), 1379 (2), 1381 (4), 1383 (1), 1405 (1), 1406 (4), 1665 (1), 2010-39 (1), 2010-42 (1), SZD-01 (1), SZD-08 (5), SZD-10 (1)

Parnasiinae

- Luehdorfia puziloi coreana* MATSUMURA, 1927 – 929 (1), 987 (2)
- Parnassius stubbendorffii* MÉNÉTRIÉS, 1848 – 277 (1), 919 (9), 939 (5), 1381 (4), 1383 (7), 1406 (7), 1408 (3), 1415 (5), 1424 (1), 1435 (4)
- Sericinus montela koreanus* FIXSEN, 1887 – 168 (2), 186 (8), 284 (2), 304 (7), 330 (1), 762 (1), 847 (1), 1381 (1), 1383 (1), IHA-26 (1), XX-01 (2), XX-05 (1), XX-06 (1), XX-07 (1), XX-08 (2), XX-09 (1)

Pieridae

Coliadinae

- Colias chrysotheme andre* HEMMING, 1933 – 197 (1)
- Colias erate poliographus* MOTSCHULSKY, 1860 – 178 (1), 197 (3), 229 (1), 806 (3), 828 (1), 1044 (1), 1046 (1), 1317 (1), 1336 (2), 1341 (1), 1396 (1), 1461 (1), 1644 (1), AP-1 (1), IHA-05 (1)
- Colias heos* HERBST, 1792 – IHA-15 (1), IHA-16 (1)
- Colias palaeno orientalis* STAUDINGER, 1892 – 280 (2), 285 (1), 287 (3), 374 (1), 1361 (2), 1363 (1), IHA-10 (2), IHA-17 (2)
- Eurema laeta betheseba* (JANSON, 1878) – 1637 (1), 2010-40 (1)
- Gonepteryx amurensis* GRAESER, 1888 – 260 (1)
- Gonepteryx aspasia* MÉNÉTRIÉS, 1858 – 230 (1), 244 (1), 275 (1), 292 (2), 295 (1), 929 (1)

Dismoprhiinae

- Leptidea amurensis* (MÉNÉTRIÉS, 1858) – 987 (2), 1424 (8), IHA-06 (3)
- Leptidea morsei morseides* VERITY, 1910 – 275 (7), 292 (1), 295 (1), 780 (2), 813 (1), 916 (1), 1406 (1), 1415 (1)

Pierinae

- Anthocaris scolymus* (BUTLER, 1866) – 916 (2), 919 (1), 929 (3), 934 (1), 955 (2), 1406 (3), 1424 (2), 1429 (2), IHA-30 (1)
- Aporia crataegi adherbal* FRUHSTORFER, 1910 – 292 (2), 295 (10), IHA-17 (3)
- Aporia hippia* (BREMER, 1861) – 277 (1)
- Pieris canidia kaolicola* (BRYK, 1946) – 158 (2), 230 (2), 254 (1), 257 (1), 260 (1), 299 (1), 304 (3), 762 (1), 780 (1), 2010-16 (1), SZD-08 (5)
- Pieris melete* (MÉNÉTRIÉS, 1857) – 158 (2), 186 (4), 230 (4), 241 (3), 250 (2), 260 (1), 295 (1), 326 (2), 358 (1), 744 (1), 778 (1), 815 (1), 1746.b (1), 2010-40 (1), 2010-44 (1), SZD-05 (1), SZD-08 (2)
- Pieris napi dulcinea* (BUTLER, 1882) – 197 (1), 206 (1), 287 (2), 916 (1), 919 (1), 929 (5), 934 (4), 987 (1), 990 (2), 1381 (1), 1385 (1), 1406 (3), 1427 (1), 1435 (1), 1440 (3)
- Pieris rapae orientalis* (OBERTHÜR, 1880) – 137 (3), 139 (15), 144 (1), 150 (2), 156 (1), 158 (2), 162 (1), 166 (1), 168 (2), 174 (31), 177 (1), 178 (20), 181 (8), 186 (1), 190 (5), 195 (1), 197 (7), 206 (1), 230 (1), 241 (2), 243 (3), 260 (2), 266 (2), 299 (1), 304 (1), 310 (20), 330 (1), 340 (5), 640 (1), 756 (1), 762 (1), 847 (2), 873 (1), 919 (1), 1317 (1), 1368 (1), 1406 (1), 1427 (2), 2010-42 (1), SZD-01 (1), SZD-04 (1), SZD-07 (1), SZD-08 (7)
- Pontia daplidice orientalis* (KARDAKOFF, 1928) – 197 (1), IHA-14 (1)

DISCUSSION

Colias chrysotheme, new for the fauna of Korea – According to LEE (1982), KIM & HONG (1991) and HOONG-ZAE *et al.* (1997) the pierid butterfly subfamily Coliadinae is represented in Korea by eight species belonging to three genera. The genus *Eurema* HÜBNER, [1819] is primarily Palaetropical, therefore it penetrates the Peninsula weakly by colonising only the most southern parts via two species: *Eurema hecabe* (LINNAEUS, 1758) and *E. laeta betheseba*. The genus *Gonepteryx* LEACH, 1819 is Transpalaearctic in distribution, and hence successfully adapted to temperate climate. Two representatives of the genus are found in the entire Peninsula, namely *G. aspasia* and *G. rhamnii amurensis*. Four species of the cosmopolitan genus *Colias* FABRICIUS, 1807 have been recorded in Korea. Only *Colias erate polio-graphus* can be found in the entire Peninsula, whilst the remaining three species – *C. heos*, *C. melinos* EVERS-MANN, 1847 and *C. palaeno orientalis* – have been hitherto recorded only in the northern parts. In the HNHM Korean material there are no specimens representing *Eurema hecabe* and *Colias melinos*, but the remaining six species all have more than one specimens.

Amongst the Coliadinae material we found a male *Colias* specimen representing a species hitherto not recorded from Korea: *Colias chrysotheme andre* (Figs 4–6). This species is easy to distinguish from any *Colias* species recorded in Korea on the basis of the unique pale orange forewing ground colour. According to the labels it was collected in North Korea, province Ryanggang, Chann-Pay plateau, Sam-zi-yan, 1600 m. This Transpalaeartic species is distributed from the Transbaikal Region across temperate Asia to the Danube river in Europe (KORSHUNOV & GORBUNOV 1995: 67, TSHIKOLOVETS *et al.* 2002: 82–83). It is also recorded from the northeastern parts of China (TUZOV 1997: 178). As most of its congeners, *C. chrysotheme* is also a migrant and sometimes individual specimens are recorded far from the existing colonies (*cf.* BENEŠ & KONVIČKA 2002: 213–214). We presume that this specimen was in migration or was a stray of a Korean colony not yet discovered.

*

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