

A Systematic Index of the Races of Palaearctic Rhopalocera described by H. Fruhstorfer

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Whatever may be said of H. Fruhstorfer's works, which have given rise to much criticism, he must be credited for having been the first to undertake the study of geographical variation on a broad scale. Up to his time there was a universal prejudice against defining races and fixing them by a name, because it was thought that geographical variation was so indefinite and unlimited that it was a hopeless task to undertake to describe it. Facts are now rapidly showing that, except for a few species, no idea could be more mistaken. Races are not as definite as species, but quite enough so to make it well worth describing the most characteristic ones and recording them by names. Results obtained by comparing them and working out the laws of variation are already of the greatest interest and a valuable contribution to the researches on evolution in general. In this sense Fruhstorfer was not able to do much. Only in the latest years of his life had he begun to publish in the „Archiv für Naturgeschichte“ a few synthetic papers in the form of Monographs on some species of *Melitaea* and of *Erebia* of the Palaearctic Region, not to speak, of course, of the Chapters on Exotic genera written for Seitz's „Groß-Schmetterlinge“. Being a pioneer, most of his descriptions had to be drawn out singly, when races came to his notice and struck him as exhibiting peculiar features, so that the majority are not drawn out with sufficient accuracy and based on comparison with the other races of the species as we are beginning to know them now. He also unfortunately published them in rather a large number of Entomological Journals and they are so scattered in innumerable little papers that to keep up with them and know of their existence was a most impossible task. Thus it has happened that many synonyms have been created by subsequent writers and this danger was a positive nightmare to those who were working on the same line. I have probably experienced it more than any other entomologist, because of the special work I have been doing in the last few years, and I have on this account been obliged to collect as

fully as possible and classify Fruhstorfer's names and descriptions. As it has cost me a considerable amount of labour, I hope by this Index to spare it to others and to remove this very serious hindrance to students.

The order I have followed in the classification both of the genera in the families and of the species in the genera is the rational one, which is now being adopted in all branches of Natural History: it begins in each case by the group which is presumably the lowest and it proceeds to the highest and most differentiated ones. I have always kept to the generic and specific names used by Fruhstorfer, although in many cases it has been found since his time that they are not correct from various points of view and usually from that of the right of priority established by the International Rules.

A few names will be found in this Index, which are not followed by any reference to the original description. This occurs when they are drawn from the „Catalogue of Types in the Fruhstorfer collection“,* published by his widow, the Comtesse de Miléant, but I have been unable to find any corresponding description of them. Possibly some may never have been actually published, others may have escaped our notice, although the greatest trouble has been taken to look over all the likely publications, not only by myself, but also by the Deutsche Entomologische Institut of Dahlem, to whom I owe a debt of gratitude for the help it has given me in the most disinterested manner. We think this Index can now be considered nearly complete. I will, however, be grateful to anybody who discovers omissions, if they will let me know of it at my address of: 36, Via Masaccio, Florence (Italy).

Abbreviations used in the following Index for Various publications:

- A. N. = Archiv für Naturgeschichte (Berlin)
- E. A. = Entomologischer Anzeiger (Wien)
- E. R. = Entomologische Rundschau (Stuttgart)
- E. Z. = Entomologische Zeitschrift (Stuttgart)
- I. B. = Insekten-Börse (Stuttgart)
- I. E. Z. = Internationale Entomologische Zeitschrift (Guben)
- Iris = Deutsche Entomologische Zeitschrift „Iris“ (Dresden)
- S. E. = Societas Entomologica (Zürich)
- Z. wiss. Insektenb. = Zeitschrift für wissenschaftliche Insektenbiologie (Husum)

*) This collection now belongs to the late Fruhstorfer's son and is preserved for him by his mother in the Château de Miléant, at Nice.

Erycinidae.

Polycaena tamerlana:
banghaasi (Tianshan): S. E.,
 1915, n. 11, p. 61

Lycaenidae.

Chrysophanus amphidamas:
phintonis (Irkutsk): E. Z., 1910,
 n. 24, p. 144

Chrysophanus virgaureae:
pelusiota (Cogne, Piedmont):
 E. Z., 1910, n. 24, p. 144
athanagild (Engadin): I. E. Z.,
 1908, p. 194

zermattensis, Fallou, forma
seriata: id
zermattensis, Fallou, forma
fredezunda: id
zermattensis, Fallou, forma
onka: id

juvara (Passau, Bayern): id
juvara formagalsninha: id, p. 195
osthelderi (Formazzatal, Tosa-
 fall, Cogne, Iselle, etc.): id,
 1909, p. 114

alexandrae (Ural): id, p. 115
chrysorhoas (Holstein): Iris, 1917,
 n. 31, p. 33

cissites (Etflatal, Gadmenthal:
 id, p. 34

theages (Brusio): id, p. 40

Chrysophanus hippothoe:
cisalpina (Tessin, Val Maggia,
 Fusio): I. E. Z., 1909, p. 116
leonhardi (Bulgarien, Rilo): E.
 R., 1917, p. 16

eurydame: id

Chrysophanus alciphron:
isokrates (Iselle, Cogne): I. E. Z.,
 1909, p. 115

romanorum (Rom): id
gaudeolus (Lana im S. Tyrol?)

Zermatt?: id p. 116
chairemon (Herzegow., Bulga-
 rien, Orsoisa): E. R., 1917,
 p. 17

fruginus (Armenien): id
madytus (Sizilien, Petralia): id
veronius (Basses Alpes, Digne):
 id
epidelion (Alpes Marit., Mou-
 linet): id, p. 18
deinareton (Gran Sasso, Monti
 Sibillini): id

Lycaena orion:
metioche (Wallis, S. Tyrol): I.
 E. Z., 1910, p. 57
metioche forma menippe · Lana
 bei Meran): id, p. 58
lariana (Mt. Bisbino bei Como,
 Turbie bei Monaco): id

Lycaena euphemus:
thersandrus (Eclepens, Vaud):
 Iris, 1917, n. 31, p. 26
bajuvanicus (Oberbayern): id,
 p. 25

Lycaena arion:
laranda (S. Tyrol): I. E. Z.,
 1910, p. 55
arcina (Arcine, Genf, Eclepens,
 etc.): id
vesubia (Alpes Maritimes)
vesubia forma alpina: Iris, 1917,
 n. 31, p. 26
antesion (Bosnien): id, p. 27
cetyphron (Cornwall, England):
 S. E., 1915, n. 12, p. 67-8
aglaophon (Pyrenäen): id
delphinatus (La Grave, Lautaret):
 E. Z., 1910, n. 24, p. 144 und id
tainaron (Wallis, Val Antigoria,
 Iselle): S. E., id

taras (Monti Aurunci bei Ca-
 serta): id
sosinomus (Tianshan, Juldus): id
nepete (Kansu, Zentralchina): id

philidor (Mongolei): id
plistion (Sajan)

Lycaena alcon:
tolistus (Bosnien): Iris, 1917, p. 24
haurii (Graubünden, Filisur): S.
 E., 1917, p. 26 und id, p. 24

- hypseus* (Berchtesgaden)
- Lycaena semiargus*:
salassorum (Val de Cogne): S. E., 1910, p. 47
- Lycaena pheretes*:
artenita (Yarkend): E. R., 1916, 33, n. 4., p. 18
armathea (Chotan): id
arcaseia (Kambajong): id
- Lycaena pheretoides*:
philebus (Kaschgar): S. E., 1915, n. 13, p. 73
- Lycaena donzelii*:
borsippa (Kentei): S. E., 1915, n. 13, p. 73
bittis (Altai centr.): id
- Lycaena tithonus*:
tartarus (Kansu): S. E., 33, n. 4, p. 18-19
epodes (Chingan Geb.): id
- Lycaena icarus*:
labynetus (Palestine)
- Lycaena amandus*:
isias (Alpes Marit., Moulinet): S. E., 1910, p. 47
hispelis Wallis Simplon, Martigny): id
libisonis (Süd Tyrol): S. E. 1911, p. 96
- Lycaena escheri*:
balestrei (Alpes Marit., Moulinet): S. E., 1910, p. 47
- Lycaena hylas*:
castilla (Castilien): S. E., 1910, p. 47
- Lycaena jolas*:
protogenes (Digne): Iris, 1917, p. 31
eurysthenes (Wallis, Follaterre): id
- Lycaena meleager*:
oricus (Südrussland): I. E. Z., 1910, p. 56
- Lycaena argus*:
cleomenes (Krain): I. E. Z., 1910 p. 57
lydiades (Alpes Marit., Moulinet): id
- Lycaena lucifera*:
lucifuga (Szetchuan): S. E., 1915 n. 13, p. 73
- Everesio*:
eratylus (Szetchuan): S. E., 1915, n. 13, p. 73
- Amplopala avidiena*:
pherenica (Tatsienlu): S. E., 1915, n. 11, p. 63
astrape (Tsingtau): id
- Thecla ilicis*:
incruentus (Saratow)

Pieridae.

- Leucophasia sinapis*:
spirabilis (Saratow)
elvina (Griechenland)
- Colias palaeno*:
aïas (Japan): Iris, 1903, p. 47
- Colias hyale*:
palidis (Siberia)*)
naukratis (Siberia)*)
- Colias poliographus*:
forma napata (Japan)*)
forma murina (Japan)*)
- Colias phicomone*:
phila (Caschmir): Iris, 1903, n. 16, p. 47
periphaes (Dachstein): E. Z., 1908, n. 22, p. 51
- Colias eogene*:
miranda (Native Sikhim): I. B., Mai 1903 und Iris, 1903, p. 48, t. I, fig. 3-4
- Euchloë belia*:
melisande (Palästina): E. Z., 1908, n. 22, p. 51

*) Seitz, I.-A., v. 1, p. 164 (1910).

Synchloë cardamines:
sajoura (Siberia)

Leucochloë daplidice:
avidia (Tsintau): E. Z., 1908,
n. 22, p. 50
amphimara (Szetchuan): id
nubicola (Kaschgar): id
laenae (Palästina): id, p. 51
praecincta (Tong-ho Tal)

Pieris melete:
juba (Japan)*)

Pieris napi:
athenaia (Mt. Generoso)
adalwinda (Finmarken): I. E.
Z., 1909, p. 88
leovigilda (Savoyen, etc.): id
nesis (Nord-Japan): id
forma gratia (Saléve)

Pieris rapae:
atomaria (Dalmatien): E. Z.,
1909, n. 23, p. 42
leucosoma Schaw. gen. vern.
vaga (Smyrna): id
micipsa (Kiushiu): I. E. Z., 1909,
p. 88
lysicles (Oshima): id
eumorpha (Thianschan): S. E.,
1911, p. 23

Pieris manni (S. E., 1910, p. 50):
manni, Mayer, gen. aest. *asta*
(Dalm., Istria, Bosn.): E. Z.,
1909, n. 23, p. 41
rossii, Stef., gen. vern. *farpa*
(Tivoli bei Rom): id

Aporia crataegi:
adherbal (Yesso, N. Japan): S.
E., 1910, p. 50
basanius (Alpes Marit., Rom,
Südh. Simplon): id

Baltia sikkima (Sikhim): Iris,
1903, p. 50

Papilionidae.

Parnassius mnemosyne (S.
E., 1919, n. 3, p. 11–12; n.
4, p. 14–15):
dianianus (Digne): I. E. Z., 1908,
p. 17
vernetanus (Pyrénées orient.): id
turatii (Hautes Pyrénées, Gé-
dre): id, p. 18
hartmanni forma *umbratilis*
(Kufstein, Königs): id
silesiacus (Schlesien): id und
I. E. Z., 1909, p. 124
melaina, Honr. (Tatra, Kärnten,
Wien, etc.): id, p. 19
parvus, Stichel (Friesach): id
mesoleucus (Krain, Agram): id
und E. Z., 1908, n. 22, p. 12
cuneifer (Ortlergebiet): E. Z.,
1908, n. 22, p. 12, und S. E.,
1910, p. 50
parmenides (Alpes Marit.): id
zyxima (Wachau)
batava (Passau): S. E., 1921,
n. 36, p. 41
fasseliana (Strobnitz): id
thebaida (Tessin, Mt. Camo-
ghé): S. E., 1922, p. 31
mixtus (Lotschental): id, p. 23
temora (Thalalpsee): id, p. 18
tergestus (Ersfeld): E. Z., 1910,
n. 24, p. 155 und 192, und id
forma subochracea (Ersfeld):
id, p. 192
demaculatus (Ungarn, Stuhl-
weißenburg): id, p. 13 und
A. N., 1916, Abt. A, 2. Heft,
p. 23, t. I, p. 12, 13
craspedontis (Südrußland, Sa-
ratow): id und id
tubulus (Schoberstein in Ober-
österreich): id, p. 14
ariovistus (Süddeutschland,
Urach): S. E., 1911, p. 96

*) Seitz, I.-A., v 1, p. 140 (1910).

- borussianus* (Ostpreußischer Boden): S. E., 1916, p. 49 und A. N., 1916, Abt. A, 2. Heft, p. 23
ophrinion Laibach, Krainer): A.N. 1916, Abt. A, 2. Heft, p. 25
leonhardiana (Bryk, in litt.) (Bosnien): id, p. 26
orminion (Velebit): id
dejotarus (Bulgarien): id
carmenta (Voralberg): id
thaleia (Kufstein im N. Tyrol, Kaisergebirge): id, p. 27
argiope (Schweden, provinz Schonen): id
symphorus (Macugnaga): E. Z., 1910, n. 24, p. 155 und S. E., 1918, n. 3, p. 10 (Lugano)
lysandra (Südbayern): E. A., 1924, p. 77
irena (Allgäuer Alp): id, p. 78
Parnassius acco:
gemmifer (Süd-Tibet): S. E., 1904, p. 25
Parnassius hardwickii:
albicans: Berl. E. Z., 1898, p. 147
otos: Iris, 1903, p. 46
afer: Stett. E. Z., 1899, p. 354
Parnassius epaphus:
pernigrus (Phari-Jong, Tibet): S. E., 1918, n. 1, p. 2
huwei (Kia, Aksou): Stett. E. Z., 1903, p. 360
Parnassius delphinius:
dolabella (Kaschgar): I. E. Z., 1904, p. 29
lampidius (Native Sikkim): Iris, 1903, p. 44, t. I, p. 2
Parnassius imperator:
augustus (Sikkim): S. E., 1903, Nov.
supremus (Chines. Turkestan?): id, Juli.
Parnassius delius (S. E., 1919, n. 10, p. 39 und E. R., 1921, 38 Jahr., n. 5):
expectatus (Passeiertal): E. R., 1921, Jahr. 38, n. 3, p. 13–14; n. 4, p. 16–17
tessinorum (Tessiner Alpen der Verzascagruppe): id
blachieri (Alpe Veglia in Ober. Val Cairasca): id
serenus (Piemont: Courmajeur, Pralognan) id
confederationis (Maderanertal, Uri): id, n. 5, p. 20–21
cerviniculus (Zermatt): I. B., 1907, p. 199 und id
styriacus (Steyrische Alpen. Kärnten): id und id
velutus (Venediger)
hermiston (Groß-Venediger, Dirnbachtal, Gr.-Glockner): E. R., 1922, p. 11
Parnassius mercurius:
cyrnus (Aksu): S. E., 1906, p. 139
Parnassius apollonius:
gloriosus (Alexander Gebirge Iris, 1903, p. 309
daubi (Sarafchan, Sary Obi): S E, 1903, p. 49
narynus (Naryn): E. Z., 1908, n. 22, p. 51
Parnassius apollo:
rubidus (Eisacktal, Tyrol): S. E., 1906, p. 137
nivatus (Vorberge des Chasseral bei Neuveville): id
sibiricus forma lunigera (Vrty, Rh. Pal., t. 13, f. 2: Illi): id, p. 138
merzbacheri (Vrty., l. c., t. 9, f. 9: Tian-shan): id, p. 139
rhaeticus (Silvaplana, Engadin): id, p. 140
valesiacus (Zermatt, Simplon): id und E. Z., 1909, n. 23, p. 151 und E. A., 1921, p. 42, f. 5
maximilianus (Oberbayern): E. Z., 1909, n. 23, p. 150

- ancile* (Berneck in der Nordostecke Bayerns): id, p. 152 und I E. Z., 1909, p. 162
- suevicus* (Neu-Ulm? : id
- cetius* (Niederösterreich, etc.): id und I. E. Z., 1909, p. 162
- ottonius* (Österreichischen Küstenland und Krain): id und id
- leovigildus* (Digne, Basses Alpes): E. Z., id, p. 151
- [*gemminus* u. *montanus*, Stichel, revision: id, p. 151]
- piedemontanus* (Quellgebiet der Dora Baltea : id
- guadarramensis* (Sierra de Guadarrama): id p. 151
- luitpoldus* (Oberammergau): I. E. Z., 1909 p. 161
- agyiens* (Ampezzo): E. A. 1921, p. 29
- victorialis* (Südtirol, Umgebung von Trient): id
- phrynius* (Oetztal, Schnalstertal in Tirol): id
- chetus* (Salzkammergut, etc.): id
- turatinus* (= *turatii*, Roth. Valle Anzasca): id, p. 41, f. 4, 6
- caloriferus* (Laquintal, Foppiano in Val Antigonia, Iselle): id
- ailulanus* (Süd-Tessin, Val Bledio, etc.): id. p. 44
- helias* (Flums): E. A., 1923, III, p. 58
- agyillus* (Bunsio): id
- panon* (Bayern): id
- orphinus* (Bavaria)
- pandolfus* (Weissenbach): E. R., 39, 1922, p. 5
- cominius* (Buckgebirge, Westungarn): E. A., 1921, I, p. 77
- omotimoius* (Bulgaria): id, p. 87
- artemidor* (Karpathen): id, p. 78
- maurus* (Transsylvania): id. p. 79
- yglanus* (Bulgaria): id, p. 88
- hermiston* (Schipka): id, p. 89
- jelicus* (Serbia): id, p. 87
- bajuvanicus* (Bayern): id, p. 139
- debilis* (Rumilly, Val du Fier, Thoreno und Haute Garonne): id, p. 114
- chrysophorus* (Spanien, Südpireneen): id, p. 65
- amphytion* (Piringeb.): id, p. 88
- lioranus* (Lioran-Cautel): id, p. 114
- venaissinus* (Mont Ventoux): id, p. 114
- bajuvarius* (Nordvosgen): id, p. 141
- montebaldensis* (Monte Baldo): E. A., 1923, p. 41
- rosenius* (Bukowina) id, p. 42
- sotirion* (Rigi-Pilatus): id, p. 56
- ventidius* (= *bohemicus*, Rebel): id p. 109
- posthumus* (Saaletal): S. E., 36, 1921, p. 13
- vetius* (Walchen)
- franconius* (Bavaria)
- othonius* (Großer Kaiser): E. A., 1921, p. 31
- glocnerius* (Glockner): id
- thiemo* (Neu-Ulm): E. Z., 1909, n. 23, p. 151 und id p. 130
- bellarius* (Raabenstein)
- tenebrosus* (Glärnischgebiete) ? und E. A., 1921, n. 4, p. 44
- heliophilus* (Val Lavizzara im Tessin): id
- triumphator* (Mt. Tamero, Lugano): id
- generosus* (Monte Generoso): S. E., 1920, n. 35, p. 28 und id
- alemanicus* (Falkenstein, Allgäu, etc.): E. A., 1922, n. 1, p. 2
- manillius* (Kufstein, Kaisergebirge): id, p. 3
- artonius* (Kössen, südlich vom Chiemsee): id
- adonais* (Wendelstein-Gebiet, Inntal): id, p. 4
- rebelianus* (Umgebung Karlsbad): S. E., 36, 1921, p. 13

Parnassius nomion:
titan (Sutchan, nördlich von
 Afghanistan): Iris, 1903, p. 308
theagenes (Lanchowfu, Kansu)

Parnassius simo:
gylippos (Aksu): Iris XVI, 1,
 1903, p. 45
acconus (Sikkim): I. B., XX,
 Mai 1903 (errate: *acco*) und
Iris, 1903, p. 43, t. I, f. 1

Zerynthia (Thais) polyxena:
reverdini (Umgeb. Rapallo, Li-
 gurien): I. E. Z., 1908, p. 58
thesto (Saratow): E. Z., 1908,
 n. 22, p. 16

Zerynthia (Thais) cerisyi:
martini (Insel Rhodos): S. E.,
 1906, p. 147 und *Iris*, 1906,
 v. 19, p. 158

Papilio alcinous:
nagasakii (Nagasaki, Insel Kiu-
 shiu): S. E., 1907, p. 74

Papilio krishna:
charlesi (Siao-lou): S. E., 1902,
 p. 73

Papilio paris (E. Z., 1908, n.
 22, p. 170):
geminifera (Hochgebirge von
 Szetchuan): E. Z., 1908, p. 170

Papilio xuthus (lapsu: *xanthus*):
neoxuthus (West-China-Gebir-
 ge): E. Z., 1908, n. 22, p. 46
xuthina (West-China Gebg): id
londoensis (Japan): id
koxinga (Formosa): id
tyrtanus (Hosima, Nagasaki)
practius (Sapporo)
forma honadensis (Japan)
forma xuthris (Siao-lou)

Papilio machaon:
verityi (Vrty., Rhop. Pal., t.
 II, f. 14: Mannaao, Junnan):
 I. E. Z., 1907, n. 41
archias (Vrty., Rhop. Pal., t. II,
 f. 11: Fou-lin, Thibet): id

garganus (Deutschland, Öster-
 reich, Mittel-Europa E. R.,
 1922, n. 39, p. 13
bogorum (Oberbayern): id
phrygius (Smyrne)

Satyridae.

Coenonympha pamphilus:
orantia (Kashgar): I. E. Z., 1908,
 p. 9

Coenonympha iphis:
anaxarete (Alpes Maritimes):
 E. Z., 1910, n. 24., p. 3

Coenonympha typhon:
fermana (Kashgar): I. E. Z.,
 1908, p. 9
thimoites (Martigny): S. E., 1910,
 p. 50

Coenonympha arcania:
triumphans (Berchtesgaden,
 Oberaud. a. Inn): S. E., 1910,
 p. 55
saleviana (Saleve): E. Z., 1910,
 n. 24, p. 3

balestrei (Alpes Maritimes): id
chrysoaspida (Saratow): id, p. 4
mydessa (Klausen)
jellacia (Campement)

Coenonympha hero
neoperseis (Japan): I. E. Z., 1910,
 p. 9

Aphantopus hyperanthus:
rufilius (Meran, Süd-Tirol):
 I. E. Z., 1909, p. 118

Erebia epiphron:
cydamus (Alpes Maritimes E.
 Z., n. 24, 1910, p. 38
amisus (Allgäu, Nebelhorn): id

Erebia melampus:
momos (Klausen): E. Z., 24,
 1910, p. 4

augurinus (Alpes Maritimes):
 id, p. 37
tigranes (Chamonix): id
andineus (Simplon)

- Erebia ceto* (A. N., v. 84, 1920, p. 103):
cetra (Col di Tenda, Alpes Maritimes): S. E., 1909, p. 125
tyrsus (Cogne): id, 1911, p. 24
frenus (Dauphiné, Col du Lautaret): id
crobyle (Bayerische Alp, N.-Tirol, Brenner, Vorarlberg): A. N., 84, 1920, p. 104
rhodocleia (S.-Tirol, Penegal, etc.) id
- Erebia pharte* (Iris, 1918, p. 94):
thyrias (Dauphiné): S. E., 1911, p. 24
pellene (Groß-Glockner, etc.): Iris, 1918, p. 95
flaccilla (S. Bernhardino, Blemio, Veglia, etc.): id, p. 96
eupompa (Oberbayern): id, p. 97
- Erebia manto* (A. N., 84, 1920, Abt. A, 7 Heft, p. 83):
saphrana (Wallis): id, p. 90
gnathene (Anvergne): id, p. 91
erina (Allgau)
- Erebia oeme* Iris, 1918, p. 83):
pacula (Jura, bei Genf): I. E. Z., 1910, p. 211
tanita (Grande Chartreuse): Iris, 1918, p. 84
lugina (Tournette, Savoyen): id
nilas (Deut du Midi): id, p. 87
philiata (Kanton Uri): id
seliza (S. Bernhardino): id, p. 89
noctua (Südtirol u. Nordtirol): id, p. 90
mythia (Allgäu): id
clisura (Salzburg und Steyermark): id
zagora (Bulgarien): id, p. 93
vetulonia (Bosnien): id
bonisa (Bosnien)
melara (Rauonaltal)
- Erebia pronoë* (A. N., 84, 1920, p. 92):
- glottis* (Pyrenaen): id, p. 93
psathura (Pizzo Leone): id, p. 96
tarcenta (Südtirol): id, p. 97
zyxuta (Bulgarien): id, p. 98
zulines (Pontus, Brussa, etc.): id, p. 99
- Erebia neoridas* (A. N., 84, Abt. A, 7 Heft, 1920, p. 106):
nicochares (Alpes Maritimes): id, p. 107
- Erebia medusa* (Iris, 1917, p. 43):
euphrasia (Bulgarien): id, p. 44
narona (Bosnien): id, p. 44
brigobanna (Ulm, Wiesbaden, etc.): id, p. 45
meisneri (Schwarzwald): id
charila (Genf, Versoix): id, p. 47
generosa (Monte Generoso): id, p. 48
cercida (Zwischen Peccia und Fusio): id, p. 49
- Erebia goante* (A. N., 84, 1920, Abt. A, 7 Heft, p. 100):
homole (Digne): E. Z., 1918, n. 31, p. 81 und id
- Erebia nerine*:
triglites (Monte Generoso und S. Giorgio, Tessin): A. N., 1916, A. 7, p. 145 und S. E., 1919, n. 12, p. 45
turatii (Krain): A. N., 1916, A. 7, p. 137
gyrtone (Groß-Glockner): id, p. 141
vorbrotti (Engadine): id, p. 144
tryphaera (Schweiz): id, p. 145
- Erebia melas*:
sigeion (Südw. Rußland): A. N., 1916, A. 7, p. 131
carbonaria (Ungarn): id
nanos (Krain): id
aoris (Bulgarien): id, p. 132
leonhardi (Velebit Ostarie): id
schawerdæ (nom. nov. für ab. hercegovinensis): id

- Erebia alecto* (A. N., 1916, A. 7, p. 158):
anthracites (Schnalsertal): id
turbo (Ötztal, Pitzthal): id
velocissima (Ortler und Teriolis): id, p. 163
anteborus (Susten und Lenk): id, p. 151
plutonides (Dauphiné): id p 148
- Erebia epistygne* (A. N., 84, 1920, p. 108):
andera (Spanien, Cast., Cuenca): S. E., 1911, p. 23
- Erebia stygne* = *pyrene* (Iris, 1918, p. 98):
charea (Haute Savoie, Teile der Wallis): I. E. Z., 1910, p. 212
praerutilia (Annecy, Thônes in Haute Savoie): S. E., 1909, p. 123
cubei (Col di Tenda, Alpes Marit.): id
castiliana (Sierra de Guadarama, Castil.): id, p. 124
rühlri (nom. nov. für *pyrenaica*, Rühl): id
posidonia (Schwarzwald): S. E., 1911, p. 24
freyeri (Allgäu, Voralberg, Orlergebiet): Iris, 1918, p. 100
calaritas (Digne, Basses Alpes): id, p. 106
almada (Cantabrisches Geb., Asturien): id, p. 107
algernon (Canales de la Sierra, Burges): id
zagazia (Ostpyrenäen): id, p. 108
jeresa (Jerva)
laconia (N. Vogesen)
- Erebia evias*:
letincia (Engadin): I. E. Z., 1910, p. 211
eurykleia (Martigny, Wallis): id
ottonis (nom. nov. für *pyrenaica*, Stdgr.): S. E., 1909, p. 124
- venaissina* (Mont Ventoux): E. Z., n. 30, 1917, p. 100
victorialis (Meran, Tyrol): E. R., 1921, p. 53
- Erebia adyte* (= *philomela*) (S. E., 1918, n. 11, p. 42):
syrmia (Bosnien): I. E. Z., 1909, p. 135
etobyma (Col di Tenda, Alpes Marit.): id, p. 136
clanis (Bayerische Alpen): id, 1910, p. 213
phoreta (Auvergne, Mt. Dore): S. E., 1918, n. 33, p. 42
rusca (Tessin, Bunio, Piora, ober. Verzasca): id, p. 43
antevortes (Pyrénées)
- Erebia ligea*:
nikostrate (Ampezzatal): S. E., 1909, p. 124
carthusianorum (Gr. Chartr.; Tessin, Fusio): id
permagna (Col di Tenda, Alpes Marit.): id
siscia (Gran Sasso, Italien): id
postvorta (Wetti, Hodya)
pellea (Altai)
- Erebia aethiops* (Iris, 1917, p. 51):
derufata (Südtirol, Primiero, Val di Canal): S. E., 1909, p. 125
rubria (Tessin, Fusio): id
altivaga (= *medea*, Mayer Dür, p. 175: bis 4800'): Iris, 1917 p. 53
- sapaudia* (Umgeb. von Genf): id
salaria (Klausen, Südtirol): id, p. 55
cosinida (Wallis, Champéry)
- Erebia lappona*:
ingana (Val d'Aosta, Camp. du roi): S. E., 1911, p. 95
- Erebia tyndarus*:
goya (nom. nov. für *pyrenaica*, Rühl): S. E., 1909, p. 124

- majellana* (= *cleo* in Oberthür.: Mt. Majella): id
- aquitania* (Col di Tenda, Alpes Marit.): id, p. 125
- carmenta* (Courmajeur; Tessin, Fusio): id
- Erebia hewitsoni*:
- videric* (Armenien, Nordpers.): A. N., 1916, A. 7, p. 128
- Erebia lefebvrei*:
- myrialda*: A. N., 1916, A. 7, p. 167
- Erebia afer*:
- xianta* (Caucasus) : E. Z., 1918, n. 31, p. 82
- fidena* (Transcaspia): id
- bardines* (Altai): id
- zyxuta* (Kaukasus): id
- Melanargia galathea* (A. N., 82, 1916, Heft 2, p. 19):
- nereus* (Wallis): Cat. Lep. Genève, I, p. 16 (1910) und E. Z., 1910, n. 23, p. 240 und S. E., 1916, n. 7, p. 33
- doris* (Digne): E. Z., 1910, n. 23, p. 240 und id
- sakaria* (Südtirol): id und A. N., 82, 1916, Heft 2, p. 21
- florina* (Südabh. Simplon; Kanton Tessin): S. E., 1916, n. 7, p. 33
- pygmaea* (Salève, etc.): id
- scirritis* (Sabinergebirge, bei Rom): id
- helalla* (Allgäu, Oberdorf, Niederösterreich): id
- syntelia* (Dalmatien, Ungarn, Transylv.): id
- auricoma* (Galizien): id, t. I, f. 4
- scolis* (Siebenbürgen): A. N., 82, 1916, Heft 2, p. 20, t. I, f. 5, 6
- satnia* (Bulgarien, Maglis): id, f. 10
- syntelia* (Okkupationsländern, Teilen von Dalm. und Banat): id, t. I, f. 8, 9
- tenebrosa* (Laibach in Krain): id, t. I, f. 7
- galinthias* (Neapel): id, p. 21
- donsa* (Tiflis, Kaukasus): id, p. 22
- convena* (Kertsch in der Krim): id
- arogna* (Mt. Salvatore, Carona, in Südtessin): A. N., 86, 1921, H. 9, p. 109
- elvira* (Görz): id
- eudaemonia* (Sizilien): S. E., 1917, 32, p. 13
- gattinara* (Madrid): E. Z. 1910, n. 23, p. 240
- akis* (Alpes Martimes): id
- symaithis* (Saratow): id, p. 239
- Melanargia japygia*:
- inglada* (Madrid): E. Z. 1910, n. 23, p. 239
- jalemus* (Kashgar): id
- Melanargia larissa*:
- freyeri* (Korfu): S. E., 1917, n. 8, p. 33
- lydias* (Südkroatien): ? und id
- Melanargia halimede*:
- pasiteles* (Shantung)*)
- Epinephele pasiphae*:
- amyclas* (Castilien; Andal.): E. Z., 1910, n. 23, p. 218
- Epinephele tithonus*:
- decolorata* (Andalusien): E. Z., 1909, n. 22, p. 211
- Epinephele ida*:
- marcia* (Andalusien): E. Z., 1909, n. 22, p. 211
- Epinephele rhamnusia* (a *lycaon* sp. dist. sec. Fruhst. coll.):
- nikokles* (Südabh. Simplon, Iselle): I. E. Z., 1909, p. 116 und E. Z. 1910, n. 23, p. 218
- salona* (Bosnien): id u. id p. 219
- najera* (Andalusien): E. Z. 1910, n. 23, p. 218
- calsona* (Tian-shan)

*) Seitz, I.-A., v. 1, p. 310 (1911).

- Epinephelus lycaon:*
macrophthalmus (Spanien, Cast., And.): I. E. Z., 1909, p. 117
ephisius (Courmajeur; Simplon Nordabhang, etc.): id
oceanina (Salève): E. Z., 1910, n. 23, p. 218 und 1917, n. 30, p. 99
flumininus (Wallis): id, 1917, n. 30, p. 99
lycosura (Alpes Maritimes): id
- Epinephelus jurtina* (Jullienisches Organ: E. Z., 1909, n. 22, p. 190, f. 1):
phormia (Meran und Lana, Südtirol): I. E. Z., 1919, p. 117
- Genus *Pararge* und neues Genus *Aranda*: I. E. Z., 1909, p. 135
- Pararge megera*:
depulverata (Algier): id, p. 133
- Pararge maera* (Copulationsorgane: E. Z., 1908, n. 22, p. 123, f. 7):
leucocinia (Südlichen Alpen der Schweiz: Zermatt, Simplon): id
atabyris (Rhodos): I. E. Z., 1909, p. 131
ordona (Allgäu, München, Hallen, Niederöster., Harz): id
herdonia (Arcine in Savoyen, Saléve, Jura, Wallis, Piemont, Chamonix): id, p. 132
herdonia forma *lenocinia* (Simplon, Zerm., Courmay.): id
silymbria (Dalmatien, Spalato): id, p. 133
- Pararge hiera*:
praegrandis (Saratow, Südrussland): I. E. Z., 1908, p. 9
[ominata (Skandin.): id] und Berichtigung: id, p. 29
calidia (Saléve) I. B., 1908, p. 95
sestia (Altai): id
falcidia (Kentai): id

- Pararge aegeria*:
egestas (Dalmatien): I. E. Z., 1908, p. 9
camoena (Südtirol, Meran, Lana): id
elegantia (Genf: Mai): E. Z., 1909, n. 22, p. 211
egeriues gen. aest. *aestivalis* (Koblenz): id
eudokia (Algier)
- Pararge deidamia*:
inerrupted (Nikko, Japan): I. E. Z., 1909, p. 133
tyria (Central-China, Tsintau): id, p. 134
- Aranda (Pararge) schrenckii*:
menalcas (Nordjapan, Sapporo): I. E. Z., 1909, p. 134
damontas (West-China, Szetschuan): id
- Lethes (Tansima) verma*:
stenopa (Tonkin; Szetschuan, etc.): E. Z., 1908, n. 22, p. 127
- Lethes diana*: E. Z., 1909, p. 117
- Lethes sicelis*:
vanelia (Kiushiu): E. Z., 1909, p. 118
- Satyrus dryas* (I. E. Z., 1908, p. 358):
drymeia (Klausen, Südtirol): I. E. Z., 1908, p. 358
agda (How-Kow): id
kawara (Hakodate, N.-Japan): id
okumi (Fuji-Yama): id, p. 359
tassilo (Allgäu in Südbayern): id
armilla (Schönberg, Stubaital, Tirol): S. E., 1908, p. 76
- Satyrus actaea* (Copulationsorg.: S. E., 1910, p. 60) und *cordula* (Copulationsorg.: E. Z., 1908, p. 122): Tabelle: I. E. Z., 1909, p. 88 und S. E., 1910, p. 60:
milada (Täsch, Zermatt, Ober-Wallis): I. E. Z., 1908, p. 351

- penketia* (Taygetos): id
[monocolus (Kashmir): id 2 Jahr.,
 1908, p. 10] und Berichti-
 gung: id, p. 29: = *pimpla*,
 Felder
- gavina* (Alpes Maritimes)
molykreia (Tian-Shan)
serva (Dalm., Bosnien, Herze-
 gow.): I. E. Z., 1909, p. 88
podarcina (Sierra de Alfacar,
 And.): id, p. 89
castiliana (Castilien): id
- Satyrus autonoe*:
ordomenus (Tian-Shan)
thermus (Turkestan)
- Satyrus geyeri*:
aristonicus (Amasia)*)
- Satyrus regeli*:
minutianus (Altai Mont.)
- Satyrus heydenreichi*:
hegesander (Tian-Shan)*)
- Satyrus? mniszechii*:
esquelinus (Alai Mont.)*)
- Satyrus antheleca*:
schawerdae (Herzegowina,
 Lastoa): I. E. Z., 1908, p. 121
- Eumenis arethusa*:
veleta (Sierra Nevada, Andal.):
 E. Z., 1908, n. 22, p. 93
ganda (Auzay, Vendée): id,
 1909, n. 22, p. 210
galatia (Madrid; Cuenza): id
segusiana (Piemont, Val Susa):
 I. E. Z., 1909, p. 21
alpheiros (Urals): I. B., 1908, n. 25
- Eumenis fidia* (Copulations-
 org.: S. E., 1910, p. 62):
velleia (Kastilien): E. Z., 1908,
 p. 128
paleia (Sierra de Alfacar, An-
 dal.): id
- Eumenis fatua* (Copulations-
 org.: S. E., 1910, p. 62):
- Eumenis statilinus* (Copula-
 tionsorg.: S. E., 1910, p. 61):
pisistratus (Isrien, Serbien)
 E. Z., 1908, p. 127
vettius (Griechenland): id
onosandrus (Südtirol, Brenta
 Nordital, Wallis): id
musaius (Andalusien, Sierra de
 Alfacar): id, p. 128
anaxarchus (Marokko I. E. Z.,
 1909, p. 21
anapus (Ille-et-Vilaine, Nord-
 frank.): id, p. 22
euryanax (Digne, Basses Alpes,
 Grenoble, etc.) id
 Neue Station in Süd-Tessin:
 S. E., 1919, n. 1, p. 3
- Eumenis syriaca* (E. Z., 1910,
 n. 24, p. 72; Jullienische Or-
 gan: id, 1908, p. 94, f. 1 und
 1910, p. 72, f. 1):
attikana (Attika): I. E. Z., 1907,
 p. 210
serrula (Dalmatien, Ragusa,
 Gravosa): I. E. Z., 1908, p. 121
- Eumenis fagi = hermione* (I.
 E. Z., 1907, p. 211; E. Z., 1910,
 n. 24, p. 75, 82; Jullienische
 Organ: E. Z., 1908, p. 50
 und p. 94-98, fig. 1-15):
tetrica (Saratow): I. E. Z., 1907,
 p. 209
albifera (Mt. San Giorgio, Tes-
 sin): E. Z., 1910, n. 24, p. 82
 und S. E., 1919, p. 46
aturia (Alpes Maritimes): E. Z.,
 1910, n. 24, p. 83
orphnia (Piemont und Florenz):
 I. B., 1908, p. 81 und id p. 82
- Eumenis alcyone* (I. E. Z.,
 1907, p. 211; E. Z., 1910, n. 24,
 p. 86; Julliensche Organ: E.
 Z., 1908, p. 50 und p. 94-98,
 fig. 1-15):

*) Seitz, I.-A., v. 1, p. 308 (1911).

sigurdrifa (Schwanheim, Rheinpfalz): I. B., 1908, p. 81 und E. Z., 1908, p. 95 und 1910, p. 86
odilo (Altona, Lüneburger Heide): id und id, p. 96 und id, p. 86
genava (Sion, Wallis): id und id, p. 50, 97 und 1910, p. 87
vipsania (Kastilien): id, p. 81 und id, 1908, p. 98 und 1910, p. 87
sogdiana (Var, Marseille): E. Z., 1910, p. 87
vivilo (Savoy; Jura bei Neuchâtel): I. B., 1908, p. 81 und E. Z., 1910, p. 87
Minois circe (Copulationsorgane: E. Z., 1908, p. 122):
paraleuca (Cuenza, Castilien): S. E., 1908, p. 75
maya (Vendée, Auzay): id, p. 212
venefica (Var, Südfrank.): id, p. 213
illecebra (Königreich, Ungarn): id
venusta (Kaukasus): id
pannonia (Ulrich): E. Z., 1917, n. 30, p. 99
t-leuda (Sardinien und Corsica): id
praestigiata (Florenz)
Minois briseis (Copulationsorgane: E. Z., 1908, p. 121-2):
lynnesus (Saratow): S. E., 1908, p. 75
deminuta (Südtirol, Malser Heide; Vallombrosa): I. E. Z., 1908, p. 196
saga (Görz, Dalmatien): E. Z., 1908, n. 22, p. 211
bataia (Nordeutschland): I. E. Z., 1909, p. 130
turatii (Sizilien, Ficuzza): id
cataca (Castile)
emilianus (Italien)

Eumenis (Satyrus) semele
(Copulationsorgane: E. Z., 1909, n. 22, p. 190):
jubaris (Ostpreusen): I. E. Z., 1918, p. 10
cadmus (Klausen, Wallis, Simplon, Zermatt, Genf): id
teres (Digne, Basses Alpes): id
senthes (Taygetos): id, p. 11
blachieri (Sizilien): E. Z., 1908, n. 22, p. 93

Libytheidae.

Libythea celtis:

formosana (Formosa): E. Z., 1909, n. 22, p. 209
chinensis (West-China): id
celtoides (Tsushima, Nagasaki): id
matsumurae (Yesso, Sapporo): id

Nymphalidae.

Neptis lucilla = *coenobita* (S. E., 1907, p. 50):
fridolini (Saratow, Tiflis, Sarepta, Orenburg): id
insularum (Hondo, Japan): id, p. 51
sinetasili (Amur)

Neptis themis:

ilos (Amurgebiet): E. Z., 1909, n. 23, p. 42

Neptis sankara:

segesta (Szetschuen, Omi-shan): E. Z., 1909, n. 23, p. 42

Limenitis sibylla:

glorifica (Japan): I. E. Z., 1909, p. 94

puellula (Savoyen [type], und Genf, etc.): id, p. 95

Limenitis camilla:

prodiga (Savoyen, Saléve, Pragognan): I. E. Z., 1909, p. 94

Limenitis populi:

- enapiu* s(Altai): I. E. Z., 1908,
p. 50
eumenius (Kentei): id und 1909,
p. 94 (Saratow)
goliath (Südtirol, Lana): id
chinensis (Ta-tsien-lou)
masiki (Wetter)

Melitaea aurinia:

- bulgarica* (Bulgarien): A. N.,
1916, Abt. A, Heft 2, p. 6
anglicana (Kent, England): id
acedia (Wales, West-England):
id, p. 7
emba (Emba, Uralsk): id
volupis (Tessin, Mt. Lena bei
Noveggio): id, 83 Jahr., Abt
A, Heft 3 (1919), p. 167
lantosca (Laroche et St. Martin)

Melitaea maturna:

- idunides* (Bosnien): A. N., 1916,
Abt. A, Heft 2, p. 3

Melitaea cynthia:

- leonhardi* (Bulgarien): A. N.,
1916, Abt. A, Heft 2, p. 3,
t. I, f. 2-3
helles (Sajan)

Melitaea trivia:

- lahon* (Velebit, Bosnien): A. N.,
1916, Abt. A, Heft 2, p. 13

Melitaea didyma:

- oreithyia* (Österr. Küstenland):
A. N., 1916, Abt. A, Heft 2, p. 7
druentia (Bosnien): id, p. 8
lesora (Krain, Laibach): id
naïna (Südtirol, Klausen, Lana):
id
tarlonia (Südabhang des Simp-
lon, Crevola, etc.): id
seilemis (Alpes Maritimes, St.
Martin de Vésubie): id, p. 9
marsilia (Marseilles und Süd-
frank. Riviera): id
♀ forma *androtropia*: id, p. 10

♀ forma *ochracea*: id

♀ forma *viridescens*: id

III gen. *georgi* (Tessin): id
paphlagonir (Arwas, Trans-
kaspien): id

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der Große): id, p. 11
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Tsiuling-shan): id

eutitania (Pegli, Ligurien): id,
1917 (ausgeg. 1919), Abt. A,
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thyreatis (Dunes)

Melitaea cinxia (A. N., 1916,
Abt. A, Heft 2, p. 14):

narbonensis (Riviera): S. E.,
1917, p. 19

phaira (Genf, Wallis, Süd-
Frank., etc.: II gen): S. E.,
1918, n. 33, p. 15

gergovia (Auvergne): id, p. 42
terracina (Krain, Bosnien): A.

N., 1916, Abt. A, Heft 2, p. 14
sacaria (Saratow): id, p. 15

arelatia (Dauphinée, Courma-
jeur): E. Z., 1910, n. 24, p.
144 und id

elis (Amasia)

ocalia (Liberia)

Melitaea phoebe (A. N., 1916,
Abt. A, Heft 2, p. 1):

telona (Palästina, Jerusalem):
I. E. Z., 1907, p. 311

ogygia (Griechenland, Poros): id
lokris (Saratow): id, 1908,
p. 194

koios (Südtirol, Klausen): id
narenta (Herzegowina): A. N.,

1916, Abt. A, Heft 2, p. 1

gerinia (Portugal, Lissabon): id
virgilia (Alpes Maritimes): id,

p. 2

sylleion (Piemont, Cognetal): id
minoia (Engadin): id

rovia (Maroggia, Mt. Generoso, Tessin): id 83 Jahr. (ausgeg. 1919), Abt. A, Heft 3, p. 169
rovia forma autumnalis (Tessin): id
guevara (Spanien, Castilien): S. E., 1917, p. 19
aabaca (id : id)
zeluta (Beyrouth)

Melitaea dictynna:

praxilla (Krain, Laibach): A N., 1916, Abt. A, Heft 2, p. 13
alpestris (Engadin, etc.): id, p. 14
aurelita (Lombardei, Alserio): id, 83 Jahr. (ausgeg. 1919), Abt. A, Heft 6, p. 12
phyloa (Klausen)
salceda (Alpes Maritimes)

Melitaea aurelia (A. N., 83 Jahr. (ausgeg. 1919), Abt. A, Heft 3, p. 170):

luceria (Piemont, Cognetal) A. N., 1916, Abt. A, Heft 2, p. 11
marussia (Saratow): id, 83 Jahr., Abt. A, Heft 3, p. 171
valsunga (Oberbayern, Barmussee): id, p. 172
mendrisiota (Tessin, Mt. San Giorgio): id, p. 175 und S. E., 1918, n. 12, p. 47
pharicia (Krain)

Melitaea asteria:

mevania (Groß-Glockner): E. Z., n. 24, 1910, p. 144

Melitaea arcesia:

rucephala (Chingan - Gebirge, Jun Jhan): S. E., 1915, p. 58
carmania (Sajan-Gebirge, Munko Jardyk): id

Melitaea protomedia:

regana (Westchina, Chang Yang): S. E., 1915, p. 58

Melitaea athalia (A. N., 1916, Abt. A, Heft 2, p. 3 und id, 83 Jahr. Abt. A, Heft 3 [ausgeg. 1919], p. 176):
celadussa (Alpes Marit., Col di Tenda): S. E., 1910, p. 52
delminia (Südtirol, Klausen, Meran): id, p. 53
scardonia (Agram): id
tinica (Irkutsk, Sibirien): id, p. 54 und E. Z., 1910, n. 24, p. 144
lumera (Bosnien, Koricne): A. N., 1916, Abt. A, Heft 2, p. 3
lucifuga (Saratow): id, p. 4
suessula (Oberbayern, etc.): id
luciflua (Savoyen, Kleiner Salève): id, p. 5
lachares (Schweden): id, 83 Jahr., Abt. A, Heft 3 (1919), p. 178
bathilda (Amur): id, p. 179
nossis (Kiushiu? Nördliche Liu-Kiu-Inseln ?): id, p. 180
melida (Lugano, Maroggia, Südliche Tessin): id, p. 182
noctula (Glärnisch): id, p. 184
boris (Bulgarien): S. E., 1917, p. 19 und id, p. 181
longa (Lötschental)

Melitaea dejone:

phaisana (Süd-Tirol): A. N., 1916, Abt. A, Heft 2, p. 11
tessinorum (Tessin, Biasca): S. E., 1918, n. 6, p. 22
rafaela (Norditalien): A. N., 83 Jahr., Abt. A, Heft 6 (1919), p. 11
philomena (Portugal): id, p. 12

Melitaea parthenie:

sphines (Genf, Gex in Jura, etc.): A. N., 1916, Abt. A, Heft 2, p. 12
gilbon (Jura bei Neuveville, Berner Oberl.): id
melitona (Alpes Maritimes)
ofella (Castilien)

Boloria aphirape:

helmina (Ostpreußen): A. N., 1916, Abt A, Heft 2, p. 17
thera (Schawyn, Tannuola)
pambetis (Ussuri)

Argynnis selene:

lucea (Japan): A. N., 1916, Abt. A, Heft 2, p. 19
gentilina (Sla Marta di Carona, Mt. Salvetore, Tessin): id, 86 Jahr, Abt A, Heft 9, p. 110 (ausgeg. 1921)

Argynnis euphrosyne (E. Z., 21, 1907, p. 163):

anka (Kaukasus): E. Z., 21, 1907, p. 164

orphanus (Sibirien, Amur): id

rusalka (Saratow): I. E. Z., 1909, p. 112

densor (Champéry, Abhänge des Deut du Midi): id

cynosoma (Saléve bei Genf): A. N., 1916, Abt. A., Heft 2, p. 15

calynde (Tessin, Fusio, Val Piora): id, p. 16

neston (Tessin, Mt. Generoso): id

ausonina (Bessekeol

theras (Scotland)

peropara (Ural)

answina (Skandinavien): E. Z., n. 21, 1907, p. 164

Argynnis eugenia:

genia (Ta-tsien-lou): Iris, 1903, p. 308

Argynnis pales:

brogoarus (Alpes Maritimes, Col di Tenda): I. E. Z., 1909, p. 112

palustris (Simplon-Culm, Zermatt, Arolla, Cognetal, Champéry): id

korla (Korla): Iris, 1903, n. 16, p. 306

eupales (Kamba-Jong, Thibet): id, p. 307

napalis (Kuluk): id, p. 306

palina (Ta-tsien-lou): id
axona (Nicolayewsk)

zetes (Sajan)

Boloria freija:

calais (Schawyr, Tannuola orient A. N., 1916, Abt. A, Heft 2, p. 17

Argynnис thore:

hyperlampra (Pyrenaeen): E. Z., 21, 1907, p. 164

hyperusia (Amur): id

hypercala (Altai): id

Argynnис dia:

leonina (Savoyen, Genf, unteres Rhônetal): I. E. Z., 1909, p. 21

setania (Marokko): id

hyda (Juldus, Kuldscha)

Argynnис amathusia:

bivina (Saratow): I. E. Z., 1907, p. 310

forma blandina (Zermatt): id

bosna (Bosnien): id, 1908, p. 214

dinara (Herzegowina): id

serena (Wallis, Zermatt, Simplongeb., Südtiroler Täler, Courmayeur): id

pralognana (Pralognan, Savoy): id, p. 215

halesa (Pyrenäen): id

blachieri (Tessin, Fusio): id, 1909, p. 20

jugurtha (Bayern, Tirol, Karersee, etc.): id

Argynnис gong:

pernimia (Kansu, China): A. N., 1916, Abt. A, Heft 2, p. 17

Argynnис hecate:

triburniana (Herzegowina): I. E. Z., 1908, p. 215

aigina (Andalusien): id, p. 216
harmothoe (Alpes Martimes):

S. E., 1917, p. 26

nawaca (Krain, Wippach): id

Argynnis ino:

achasis (nom. nov. für *clara*
 Stdgr. nom. praeocc.): I. E.
 Z., 1907, p. 212

tigroides (Houdo, Yokohama,
 Japan): id

discolus. (Witim, Amur): E. Z.,
 1907, n. 21, p. 163

acrita (Sibirien): id

pudicus (Altai): id

siopelus (Kamtschatka): id

adula (Engadin): S. E., 1910,
 p. 54

tergesta (Esthland, Finnland):
 id, p. 56

eporedia (Courmayeur, Cogne
 in Piemont, Südtirol): id

trachalus (Tian-shan): A. N.,
 1916, Abt. A, Heft 2, p. 18

tarnis (Ussuri): id, p. 19

Argynnis daphne:

ochroleuca (Amur): I. E. Z.,
 1907, p. 213

epidaphne (Saratow): E. Z.,
 1907, n. 21, p. 163

nikator (Wallis, Martigny;
 Südtirol): I. E. Z., 1909, p.
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Argynnis niobe:

sisenna (Klausen): E. Z., 24,
 1910, p. 37

laranda (Krain): id

forma *mionia* (Marseille)

Argynnis clara:

manis (Native Sikkim): Iris,
 16, p. 41

Argynnis aglaja:

fortuna forma *myonia* (Japan):
 I. E. Z., 1907, p. 256

bessa (Tse-Kou, China): id

methana (Sierra de Guadarrama,
 Kastilien): E. Z., 1908, p. 161
escarpheia (Griechenland)
taldena (Ta-tsien-lou)*)
madiana (Ussuri)

Argynnis adippe:

auresiana (Auresbergen, östl.
 Algerien): I. E. Z., 1908, p. 69

mainalia (Südtirol, Klausen,
 Krain., Genf, Savoy.): E. Z.,
 n. 24, p. 37 (21. Mai 1910)
 und I. E. Z., 28. Mai 1910,
 p. 48

adlassia (Seealpen, Menton,
 Moulinet): id und id

rückerti (Tschifu, N. O. China):
 S. E., 1911, p. 24

garcila (Saratow): E. Z., 1910,
 n. 24, p. 37

solitaria (Pekiu)

zarewna (Irkutsk,*)

Argynnis nerippe:

megalothymus (Hondo, Japan):
 S. E., 1907, p. 67

chlorotis (Nagasaki): id

nerippina (Tibet, Ta-ho, Szet-
 chuan): id

Argynnis laodice:

samana (Szetchuan): E. Z., 1907,
 n. 21, p. 163

samana forma *rudrina* (Tien-
 Tsuen): id

ariana (Iki, Tsushima Nag-
 saki): id

Argynnis sagana:

ilonia (Tsushima): S. E., 1907,
 p. 67

liane (Iki, Nagasaki, Süd-
 Japan): id

Argynnis paphia:

megalegoria (Szetchuen): S. E.,
 1907, p. 68

megalegoria forma *valesinides*: id
neopaphia (Amur): id

*) Seitz, I.-A., 1, p. 515 (1912).

- thalassata* (Saratow): I. E. Z., 1908, p. 70
tsushima (Tsushima): I. E. Z., 1906, p. 26
- Argynnis anadyomene*:
prasoides (Tsushima): S. E., 1907, p. 67
prasoides forma *crassipunctata*: id
- Argynnis maja* (= *pandora*) (Copulationsorgane: E. Z., 1908, n. 22, p. 74, f. 1-4):
seitzi (Alger) I. E. Z., 1908, p. 69
pasargades (Alexandergebirge, Nordpersien : id
chrysobarylla (Teneriffa): I. E. Z., 1909, p. 20
- Fyrameis atlanta*:
rubria (Mexico, Nord-Amerika): I. E. Z., 1909, p. 94
- Vanessa (Euvanessa) antiopa*:
asopos (Japan): I. E. Z., 1909, p. 94
yedanula Siao-lou, Szetchuen): id
- Vanessa polychloros*:
dilucidus (Saratow): I. E. Z., 1907, p. 208
- Vanessa L. album*:
samurai (Hondo, Japan): S. E., 1907, p. 60
- Vanessa canace*:
ishima (Liu-kiu): Stett. E. Zeit., 59, 1898, p. 416

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