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CATOCALINAE OF EGYPT (LEPIDOPTERA, NOCTUIDAE)

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Abstract

Updated checklist of 61 species in 6 tribes (Acantholipini, Anhydrophilini, Catocalini, Melipotini, Ophiusini and Toxocampini) and 30 genera of Catocalinae known to exist in Egypt are presented together with notes on their distribution, host records and taxonomical notes. Taxonomic position, synonyms and types are included and photographs for species are provided.

Keywords: Lepidoptera, Noctuidae, Catocalinae, Egypt.

Introduction

In the recent years, the classification of Noctuidae, has been the subject of permanent taxonomic changes. These changes concern all the taxonomic categories, from species to the family rank, proposed in order to establish natural monophyletic groups. However, recent critical analyses revealed that the monophyly of the traditional 'Noctuidae' is doubtful (Mitchell *et al.*, 2005; Fibiger & Lafontaine, 2005). Several authors have proposed a new classification of the Noctuoidea breaking them up into a number of independent families: Noctuidae, Erebidae, Nolidae and Micronoctuidae (Fibiger & Lafontaine, 2005; Fibiger & Hacker, 2005; Kononenko, 2005). This classification is followed here.

Subdivision of the Noctuidae at the subfamily and tribal levels has recently also been the subject of major revision (Fibiger & Lafontaine, 2005; Fibiger & Hacker, 2005; Kononenko, 2005).

Catocalinae are one of the largest subfamilies of the family Noctuidae. The global number of species is estimated at about 7000 (Speidel *et al.*, 1996), most of them occurring in the tropics.

Amer (2005) mentioned 29 species of Catocalinae known to exist in Egypt. In this study, a complete check list of the currently known Catocalinae of Egypt is presented (61 species in 30 genera), including one species new to the fauna of the country.

Material And Methods

The present work based on the literature and records of the main reference insect collections in Egypt. Recent taxonomic position, senior synonyms, types and host records together with local and world distribution for each species are presented. Photopectures for all species are also provided. Tribes, genera and species are alphabetically arranged.

Results and Discussion

Checklist of Catocalinae of Egypt

Subfamily: Catocalinae

Tribe: Acantholipini

1. *Acantholipes circumdata* (Walker, 1858)

Tripe: Anydrophilini

2. *Anydrophila fouadi* Wiltshire, 1947
3. *Anydrophila stuebeli* (Calberla, 1891)

Tripe: Catocalini

4. *Catocala lesbia* Christoph, 1887
5. *Catocala olgaorlovae* Kravchenko, sp. n.
6. *Catocala puerpera* (Giorna, 1791)
7. *Crypsotidia maculata* Tams in Hayward, 1926
8. *Crypsotidia maculifera* (Staudinger, 1898)
9. *Crypsotidia mesosema* Hampson, 1913
10. *Cyligramma latona* (Cramer, 1779)
11. *Ulotrichopus tinctipennis* (Hampson, 1902)

Tripe: Melipotini

12. *Drasteria flexuosa* (Ménétriés, 1847)
13. *Drasteria herzi* (Alphéraky, 1895)
14. *Drasteria kabyalaria* (Bang-Hass, 1906),
15. *Drasteria oranensis* Rothschild, 1920
16. *Drasteria picta* (Christoph, 1877)

Tripe: Ophiusini

17. *Achaea catella* (Guenée, 1852)
18. *Acrobyla knuecheri* Rebel, 1903
19. *Armada nilotica* Bang-Haas, 1912
20. *Armada panaceorum* (Ménétriés, 1848)
21. *Armada plumbizonata* Hampson
22. *Cerocala insana* (Herrick-Schäffer, [1858])
23. *Cerocala sana* Staudinger, 1901
24. *Clytei benenotata* Warren, 1888
25. *Clytei haifa* (Habich, 1905)
26. *Clytei illunaris* (Hübner, [1813])
27. *Clytei sancta* (Staudinger, 1898)
28. *Clytei scotorrhiza* Hampson, 1913)
29. *Clytei syriaca* (Bugnion, 1837)
30. *Dysgonia algira* (Linnaeus, 1767)
31. *Dysgonia torrida* (Guenée, 1852)
32. *Epharmottomena eremophila* (Rebrl, 1895)
33. *Grammodes bifasciata* (Petagna, 1738)
34. *Grammodes boisdeffrii* (Oberthür, 1876)
35. *Grammodes geometrica* (Fabricius, 1775)
36. *Grammodes latifera* Walker, 1870
37. *Grammodes stolidata* (Fabricius, 1775)
38. *Heteropalpia acrosticta* (Püngeler, 1904)
39. *Iranada turcorum* (Zerny, 1915)
40. *Mocis frugalis* (Fabricius, 1775)
41. *Ophiusa tirhaca* (Cramer, [1777])
42. *Pandesma anysa* Guenée, 1852
43. *Pandesma robusta* (Walker, [1858])
44. *Pericyma squalens* Lederer, 1855
45. *Rhabdophera arefacta* (Swinhoe, 1884)
46. *Tyroca dispar* (Püngeler, 1904)

Tripe: Toxocampini

47. *Anumeta arenosa* Brandt, 1939
48. *Anumeta atrosignata* Walker, 1858
49. *Anumeta hilgerti* (Rothschild, 1909)
50. *Anumeta spilota harterti* Rothschild, 1913
51. *Anumeta straminea* (Bang-Haas, 1906)
52. *Apopestes spectrum* (Esper, 1787)
53. *Autophila cerealis* (Staudinger, 1871)
54. *Autophila cymaenotaenia* Boursin, 1940
55. *Autophila dilucidadilucida* Staudinger, 1888)
56. *Autophila pauli* Boursin, 1940
57. *Autophila rosea* (Staudinger, 1888)
58. *Plecoptera reflexa* (Guenée, 1852)
59. *Scodionyx mysticus* Staudinger, 1900
60. *Tathorhynchus excicatus* (Ledrerer, 1855)
61. *Trigonodes hyppasia* (Cramer, 1779)

Tripe: Acantholipini**1. Acantholipes Lederer, 1857****1. Acantholipes circumdata (Walker, 1858)**Syn. *Hydrelia circumdata* Walker, 1858*Holotype: Congo, (BMNH)***Host records:** Malvaceae (*Tavemiera spartea*).**Geographical Records:** Irano-Turanian, Congo, Pakistan, India, Eritrea, Mauritania, Niger, Oman, Saudi Arabia, Somalia, Sudan, Yemen, India, Iran, Afghanistan, Israel.*Distribution in Egypt: Lower Egypt, Western Desert.***Tripe: Anhydrophilini****2. Anhydrophila John, 1909****2. Anhydrophila fouadi Wiltshire, 1947**Syn. *Anhydrophila fouadi* subsp. *grisa* Wiltshire, 1949**Holotype:** Egypt, male, (S. Sinai, Karm Alam) (USNM, Washington)**Geographical Records:** endemic.*Distribution in Egypt: Sinai.***3. Anhydrophila stuebeli (Calberla, 1891)**Syn. *Drasteria stuebeli* Calberla, 1891**Host records:** *Calligonum comosum*.**Geographical Records:** Irano-Turanian Eremic, central Arabia, United Arab Emirates, Israel, Jordan.*Distribution in Egypt: Sinai.***Tripe: Catocalini****3. Catocala Schrank, 1802****4. Catocala lesbia Christoph, 1887****Syntype:** USSR, male & female (ZI, Leningrad)**Host records:** *Populus euphratica*, *P. alba*.**Geographical Records:** Middle East, Irano-Turanian, USSR, Turkey, Iraq, Israel, Iran.*Distribution in Egypt: Sinai.***5. Catocala olgaorlovae Kravchenko, sp. n.****Paratype:** Egypt, Sinai**Holotype:** Israel**Host records:** *Populus*, *Salix*.

Geographical Records: Saudi Arabia, Jordan, Lebanon, Syria, Israel.

Distribution in Egypt: Sinai.

6. *Catocala puerpera* (Giorna, 1791)

Syn. *Catocala syriaca* Schultz, 1909

Type: Italy

Host records: *Populus*, *Salix*.

Geographical Records: USSR, North Africa, Asia minor, China, Tibet, Turkey, Italy, Poland, Portugal, Greece, Spain, Bulgaria, Hungary, France, Albania, Slovakia, Romania.

Distribution in Egypt: Sinai.

4. *Crypsotidia* Rothschild, 1901

7. *Crypsotidia maculata* Tams in Hayward, 1926

Syn. *Cryptotidia maulata* Tams, 1926

Syntype: Egypt, Aswan (BMNH, London)

Geographical Records:

Distribution in Egypt: Upper Egypt.

8. *Crypsotidia maculifera* (Staudinger, 1898)

Syn. *Crypsotidia wollastoni* Rothschild, 1901b

Type: Israel, (MNHU, Berlin)

Holotype: Egypt, Shendi, male (BMNH, London) as *C. wollastoni*

Host records: *Acacia* sp.

Geographical Records: Sudan, Israel, Nigeria, Pakistan, Niger, Burkina Fasso, Cape Verde, Kenya, Malawi, Mauritania, Senegal, Ethiopia.

Distribution in Egypt: Upper Egypt.

9. *Crypsotidia mesosema* Hampson, 1913

Syn. *Crypsotidia griseola* Rothschild, 1921

Lectotype: Sudan, Khartoum, Male (BMNH, London)

Geographical Records: Sudan, Burkina Fasso, Cape Verde, Ghana, Kenya, Niger, Nigeria, Senegal.

Distribution in Egypt: Upper Egypt.

5. *Cylogramma Boisduval*, 1833

10. *Cylogramma latona* (Cramer, 1779)

Syn. *Noctua troglodyta* Fabricius, 1794

Syntype: Cairo, Aswan

Type: Cote de la Guinae

Host records: *Acacia*.

Geographical Records: Guinee, Botswana, Cameroon, Chad, Comoros, Congo, Eritrea, Ethiopia, Ghana, Kenya, Lesotho, Madagascar, Nalawi, Mozambique, Namibiam Niger, Nigeria, Seychelles, South Africa, Sudan, Tanzania, Gambiam Uganda, Yemen, Zambia, Zimbabwe.

Distribution in Egypt: Upper Egypt.

6. *Ulotrichopus* Wallengren, 1860

11. *Ulotrichopus tinctipennis* (Hampson, 1902)

Syn. *Ulotrichopus arabica* Rebel 1907

Holotype: Namibia, female, (BMNH, London)

Geographical Records: Afro-Tropical, Namibia, Botswana, Burkina Fasso, Mauritania, Nigeria, Oman, Saudi Arabia, Somalia, Sudan, Emirates Yemen, Zimbabwe, Jordan, Israel.

Distribution in Egypt: Gebel Elba.

Tripe: Melipotini**7. *Drasteria Hübner, 1818*****12. *Drasteria flexuosa* (Ménétriés, 1847)**Syn. *Ophiusa flexuosa* Ménétriés, 1847**Type:** USSR (Uzbek SSR); Bokhara (ZI, Leningrad)**Host records:** *Alhagi* sp..**Geographical Records:** Irano-Turanian Eremic, Kazakhstan, Mongolia, Uzbekistan, Syria, Jordan, Turkey, Afghanistan, Caucasus, Israel.**Distribution in Egypt:** *Sinai*.**13. *Drasteria herzi* (Alphéraky, 1895)**Syn. *Drasteria herzi angustifasciata* Amsel, 1935**Type:** USSR (Uzbek SSR); Bokhara (ZI, Leningrad)**Geographical Records:** Irano-Turanian Eremic, Kirghizia, Jordan, Turkey, Iran, Israel.**Distribution in Egypt:** *Sinai*.**14. *Drasteria kabylaria* (Bang-Hass, 1906),**Syn. *Drasteria kabylaria columbina* Brandt, 1941**Syntype:** Tunisia, males & Female (MNHU, Berlin)**Host records:** *Tamarix* sp..**Geographical Records:** Saharo-Sindian, Arabian Peninsula, Jordan, Oman, Israel.**Distribution in Egypt:** *Sinai*.**15. *Drasteria oranensis* Rothschild, 1920****Syntype:** Algeria. male & female (BMNH, London)**Host records:** *Calligonum comosum***Geographical Records:** Afro-Eremic, Algeria, Libya, Saudi Arabia, Jordan, Israel.**Distribution in Egypt:** *Sinai*.**16. *Drasteria picta* (Christoph, 1877)**Syn. *Lucanitis cailino* var. *picta* Christoph, 1877**Type:** Iran (ZI, Leningrad)**Syntype:** Syria (MNHU, Berlin)**Host records:****Geographical Records:** Russia, Kazakhstan, C. Asia, Tunisia, Dagestan, Iran, Syria.**Distribution in Egypt:** *Sinai*, Eastern Desert**Tripe: Ophiusini****8. *Achaea Hübner, [1823]*****17. *Achaea catella* (Guenée, 1852)**Syn. *Ophiusa catella* Guenée, 1852**Lectotype:** *Senegal, male, (MNHN, Paris)***Host records:** (Combretaceae, Fabaceae, Euphorbiaceae, Myrtaceae, Fabaceae) *Citrus*, *Ricinus communis*, apples, Castor oil, *Lonchocarpus*, *Tamarindus*, *Tamarindus*.**Geographical Records:** Senegal, Sierra Leone, Somalia, South Africa, Sudan, Zimbabwe, Congo, Eritrea, Ethiopia, Kenya, La Reunion, Madagascar, Malawi, Mauritania, Mauritius, Niger, Nigeria, Oman, Saint Helena, Saudi Arabia, Tanzania, Uganda, Yemen, Zambia.**Distribution in Egypt:** *Upper Egypt*.**9. *Acrobyla Rebel, 1903*****18. *Acrobyla knuecheri* Rebel, 1903**Syn. *Acrobyla ariefera* Hampson, 1926

Holotype: Egypt, (LN, Karlsruhe)

Geographical Records: Emirates, Sudan.

Distribution in Egypt: Sinai.

10. Armada Staudinger, 1884

19. Armada nilotica Bang-Haas, 1912

(Syn. *Armada dentate nilotica* Bang-Haas, 1912)

Type locality: Egypt (Al-Arish)

Host records: *Heliotropium luteum*, *H. arabense*.

Geographical Records: Irano-Turanina Eremic. Israel.

Distribution in Egypt: Lower Egypt, Sinai.

20. Armada panaceorum (Ménétriés, 1848)

(Syn. *Ophiusa panaceorum* Ménétriés, 1848)

Host records: *Arnebia decumbens*, *Heterocaryum rigidum*, *Lappula ceratophora*.

Geographical Records: Pan-Eremiv. Kazakhstan, Afghanistan, Mongolia, Turkey, Algeria, Bokhara, Israel, Uzbekistan, Mongolia, Afghanistan, Tibet, Lebanon, Syria, Jordan, Saudi Arabia.

Distribution in Egypt: Lower Egypt, Sinai.

21. Armada plumbizonata Hampson

(Syn. *Ophiusa panaceorum* Ménétriés, 1848)

Geographical Records: Eremic sp.

Distribution in Egypt: Eastern Desert.

11. Cerocala Boisduval, 1829

22. Cerocala insana (Herrick-Schäffer, [1858])

Syn. *Grammodes insana* Herrick-Schäffer, 1858

Type: South Africa

Geographical Records: South Africa.

Distribution in Egypt: Sinai.

23. Cerocala sana Staudinger, 1901

Syn. *Cerocala scapulosa albifusa* Joannis, 1910

Type: Turkey (MNHU, Berlin)

Host records: *Helianthemum* sp. (*kahiricum* & *lippii*), Cistaceae

Geographical Records: Near & Middle East, Northern Africa, Turkey, Libya, Israel. Iraq, Iran, Bahrain.

Distribution in Egypt: Coastal Stripe, Sinai, Lower Egypt.

12. Clytei Hübner, [1923]

24. Clytei benenotata Warren, 1888

Syn. *Hypoglaucistis mores* Staudinger, (1895)

Syntype: Egypt, Cairo (MNHU, Berlin) as *Hy. mores*

Host records: *Tamarix* sp..

Geographical Records: India.

Distribution in Egypt: Lower & Upper Egypt, Coastal Stripe.

Holotype: India, Male (BMNH, London)

25. Clytei haifa (Habich, 1905)

Syn. *Clytei haifae* Habich, 1905

Type: Palestine

Host records: (Urticaceae) *Tamarix articulata*, *Chenopodium ambtosioiides*.

Geographical Records: Iraq, Sudan, Algeria, Morocco, Lebanon, Israel.

Distribution in Egypt: Lower & Upper Egypt, Coastal Stripe.

26. Clytei illunaris (Hübner, [1813])

Syn. *Pseudophia illunaris* var. *gracilis* Bang-Haas, 1907

Type: Europe

Syntype: Egypt, Cairo

Host records: *Tamarix* sp., *Armoracia rusticana*, *Myricagale*

Geographical Records: Mediterranean, Europe, France, Italy, North Africa, Sicily, Malta, Arabian Peninsula

Distribution in Egypt: **Lower Egypt, Coastal Stripe.**

27. *Clytei sancta* (Staudinger, 1898)

Syn. *Clytei sancta* subs. *canaria* Pinker (1974)

Syntype: Jordan (MNHU, Berlin)

Host records: (Tamaricaceae) *Tamarix arabica*.

Geographical Records: Afro-eremic, Jordan, Palestine, Israel, Chad, Ethiopia, Mauritania, Sudan, Yemen.

Distribution in Egypt: **Western Desert, Sinai, Coastal Stripe, Lower Egypt, Fayoum.**

28. *Clytei scotorrhiza* Hampson, 1913)

Syn. *Clytei sabaea* Wiltshire 1947

Holotype: Jordan (MNHU, Berlin)

Host records: *Tamarix* sp.

Geographical Records: Irano-Turanian Eremic, Saudi Arabia, Jordan, Israel.

Distribution in Egypt: **Sinai.**

29. *Clytei syriaca* (Bugnion, 1837)

Syn. *Ophiusa gentilitia* Freyer 1848

Holotype: Syria.

Host records: *Tamarix arabica*, (*Tamarix gallica*, *T. ramosissima*).

Geographical Records: Mediterranean, Syria, Asia minor, Crete, Mongolia, USSR, North Africa, Turkey, Israel.

Distribution in Egypt: **Sinai.**

13. *Dysgonia* Hübner, [1823]

30. *Dysgonia algira* (Linnaeus, 1767)

Syn. *Phalaena algira* Linnaeus, 1767

Type: Algeria (LS, London)

Host records: *Ricinus*, *Rubus fruticosus*, *Salix*, *Genista*, *Lythrum*, *Punica*, *Parietaria*.

Geographical Records: Ponto-Mediterranean, Italy, Algeria, Morocco, India, Pakistan, Afghanistan, Yugoslavia, Congo, Eritrea, Somalia, Uganda, Yemen, South Europe, Israel.

Distribution in Egypt: **Western Desert & Coastal Stripe.**

31. *Dysgonia torrida* (Guenée, 1852)

Syn. *Ophiusa torrida* Guenée, 1852

Lectotype: Mauritius, male (MNHN, Paris)

Host records: (Poaceae, Euphorbiaceae) Caster oil, *Polygonum* sp., *Zea mays*, *Ricinus communis*.

Geographical Records: Mauritius, Spain, Africa, S. Italy, Greece, Asia minor, Oriental region, Bulgaria, Albania, Croatia, Cape Verde, Comoros, Congo, Equatorial Guinea, Eritrea, Ethiopia, Ghana, Kenta, La Reunion, Madagascar, Malawi, Mauritania, Mozambique, Niger, Nigeria, Oman, Saudi Arabia, Seychelles, Sierra Leone, Somalia, South Africa, Sudan, Tanzania, Gambia, Uganda, Yemen, Zambia, Zimbabwe, India, Sri Lanka, Algeria, Malta, Cyprus, Syria, Turkey, Nepal, Israel.

Distribution in Egypt: **Lower Egypt, Sinai.**

14. *Epharmottomena* Berio, 1939

32. *Epharmottomena eremophila* (Rebrl, 1895)

Syn. *Armada eremophila* Rebrl, 1895

Syn. *Epharmottomena plumbizonata* Warren, 1913

Geographical Records: Afro-Eremic. Morocco, Syria, Israel.

Distribution in Egypt: Lower Egypt, Sinai.

15. *Grammodes Guenée, 1852*

33. *Grammodes bifasciata (Petagna, 1738)*

Syn. *Phalaena Noctua linearis* Hübner, 1790

Type: Italy

Host records: Caster oil, *Polygonum* sp., *Rubus*, *Cistus*, *Smilax*.

Geographical Records: Mediterranean, Afro-tropical, Italy, Africa, Asia minor, Madagascar, Ethiopia, Zambia, Israel.

Distribution in Egypt: Lower Egypt & Costal Stripe.

34. *Grammodes boisdeffrii (Oberthür, 1876)*

Syn. *Prodotis boisdeffrei* Oberthür, 1867

Type: Algeria (BMNH, London)

Geographical Records: North Africa, Israel, Lebanon, Tunisia, Algeria.

Distribution in Egypt: Lower Egypt, Eastern Desert, Sinai.

35. *Grammodes geometrica (Fabricius, 1775)*

Syn. *Noctua geometrica* Fabricius, 1775

Type: India

Host records: *Ricinus*, *Oryza*, *Polygonum*, grasses, *Tamarix*.

Geographical Records: Africa, Mediterranean region, Italy (Sicily), India, Australia.

Distribution in Egypt: Lower Egypt, Sinai, costal stripe.

36. *Grammodes latifera* Walker, 1870

Type: Egypt, Mont. Sinai

Geographical Records:

Distribution in Egypt: Sinai.

37. *Grammodes stolidi (Fabricius, 1775)*

Syn. *Prodotis stolidi* Fabricius, 1775

Type: India

Host records: *Sesbania bisinosa*, flax, *Paliurus*, *Rubus*, *Coriaria*, *Quercus*.

Geographical Records: Africa, Spain, Sweden, Republic of Georgia, India (Tamil Nadu), Australia, Botswana, Cape Verde, Chad, Comoros, Congo, Eritrea, Ethiopia, Kenya, La Reunion, Lesotho, Madagascar, Malawi, Mauritania, Mozambique, Namibia, Niger, Nigeria, Saudi Arabia, Seychelles, Sirra Leone, Somalia, South Africa, Sudan, Tanzania, Gambia, Uganda, Yemen, Europe, Libya, Syria, Morocco, Tunisia, Turkmenistan, Israel.

Distribution in Egypt: Lower Egypt, Sinai.

16. *Heteropalpia Berio, 1939*

38. *Heteropalpia acrosticta (Püngeler, 1904)*

Syn. *Cortyta acrosticta* Püngeler, 1904

Syntype: Jordan (MNHU, Berlin)

Host records: *Acacia* sp.

Geographical Records: Israel, Algeria, Chad, Bahrain, Mauritania, Niger, Oman, Saudi Arabia, Sudan, United Arab Emirates, Yemen, Libya, Morocco, Tunisia, Jordan.

Distribution in Egypt: Sinai, Red Sea, Eastern Desert.

17. *Iranada Wiltshier, 1977*

39. *Iranada turcorum (Zerny, 1915)*

Syn. *Armada turcorum* Zerny, 1915

Lecotype: Israel (Haifa), male (NM, Vienna).

Geographical Records: Irano-Turanina Eremic. Syria, Lebanon, Jordan, Iraq, Oman, Iran, Israel.

Distribution in Egypt: Sinai, Costal Stripe.

18. *Mocis* Hübner, 1823

40. *Mocis frugalis* (Fabricius, 1775)

Syn. *Noctua frugalis* Fabricius, 1775

Type: India

Host records: Sugarcane, Grasses, Oats.

Geographical Records: Australia, India, Africa.

Distribution in Egypt: Upper Egypt.

19. *Ophiusa* Ochsenheimer, 1816

41. *Ophiusa tirhaca* (Cramer, [1777])

Syn. *Phalaena Noctua tirhaca* Cramer, 1777

Type: South Africa

Host records: fruit crops pierced by adults including grapes, pomegranates, *Citrus*, *Rosa indica*, *Rubus*, *Pelargonium zonale*, *Cistus*, *Erica*, *Osyris*, *Viburnum*, *Schimus molle*, *Punica granate*, *Psidium guajava*, Caster oil.

Geographical Records: Yugoslavia, Libya, South Africa, Zimbabwe, India (Rajasthan), Korea Republic, Indonesia (Sulawesi, Moluccas), Australia, New Caledonia, Cape Verde, Eritrea, Madagascar, Mauritania, Mauritius, Saint Helena, Saudi Arabia, Somalia, Tanzania, Gambia, Yemen, Israel.

Distribution in Egypt: Lower & Upper Egypt, Coastal Stripe, Western Desert.

20. *Pandesma* Guenée, 1852

42. *Pandesma anysa* Guenée, 1852

Holotype: India, Male ; (BMNH, London)

Host records: *Acacia* sp., *Pithecellobium*, *Prosopis*.

Geographical Records: India, Hawaii.

Distribution in Egypt: Lower Egypt (W. Halfa), Costal Stripe, Upper Egypt.

43. *Pandesma robusta* (Walker, [1858])

Syn. *Pandesma distinct* Rothschild, 1920

Holotype: South Africa (BMNH, London)

Host records: (Fabaceae, Salicaceae, Polygonaceae) Grasses, *Acacia*.

Geographical Records: Portugal, Spain, Malta, Sicily, Greece, Crete, Canary Islands, Africa, Asia Minor, India, Algeria, Cape Verde, Chad, Kenya, Mauritania, Niger, Oman, Saint Helena, Saudi Arabia, South Africa, Sudan, Yemen, Pakistan, Afghanistan, Algeria, Italy, Libya, Morocco, Turkmenistan, Jordan, Israel.

Distribution in Egypt: Lower Egypt, Western Desert, Eastern Desert, Sinai.

21. *Pericyma* Herrich-Schäffer, [1851]

44. *Pericyma squalens* Lederer, 1855

Type: (BMNH, London)

Host records: *Alhagi* sp..

Geographical Records: Ponto-Mediterranean, Turkey, Iraq, Iran, Afghanistan, Saudi Arabia, Lebanon, Jordan, Kuwait, Turkmenistan, Israel.

Distribution in Egypt: Lower Egypt, Costal Stripe.

22. *Rhabdophera* Staudinger, 1897

45. *Rhabdophera arefacta* (Swinhoe, 1884)

Syn. *Rhabdophera messrae*, Staudinger, 1897

Type: Pakistan, (BMNH, London)

Syntype: Jordan, Dead Sea, (MNHU, Berlin) as *Rh. messrae*

Host records: *Acacia*, *Prosopis stephaniana*.

Geographical Records: Irano-Turanian Eremic. India, Pakistan, Iraq, Jordan, Israel.

Distribution in Egypt: *Sinai*.

23. *Tyroca* Wiltshire, (1904)

46. *Tyroca dispar* (Püngeler, 1904)

Syn. *Cortyta sabulifera* Warren, 1916

Syntype: Jordan, Dead Sea ; (MNHU, Berlin)

Host records: *Acacia*.

Geographical Records: Saharo-Sindian, Arabian Peninsula, Jordan, Sudan, Morocco, Israel

Distribution in Egypt: *Sinai*.

Tripe: Toxocampini

24. *Anumeta* Walker, 1858

47. *Anumeta arenosa* Brandt, 1939

Syn. *Anumeta arenosa* Brandt, 1939

Holotype: *Saudi Arabia, male, (BMNH)*

Host records: *Tamarix* sp.

Geographical Records: Iran, Algeria, Yemen, Israel.

Distribution in Egypt: *Lower Egyptm Sinai*.

48. *Anumeta atosignata* Walker, 1858

Syn. *Leucanitis spilota* Erschov, 1874

Holotype: *India, (BMNH, London)*

Type: *USSR, (ZI, Leningrad) as Leucanitis spilota*

Host records: *Colligonum comosum* (Polygonaceae).

Geographical Records: India, Afghanistan, Israel, Yemen, European USSR, Arabian desert.

Distribution in Egypt: *Lower Egypt, Costal Stripe, Sinai*.

49. *Anumeta hilgerti* (Rothschild, 1909)

Syn. *Palpangula hilgerti* Rothschild, 1909

Holotype: *Algeria, male (BMNH, London)*

Host records: (Polygonaceae) *Colligonum comosum*.

Geographical Records: North Africa, Algeria, Mauritania, Oman, Saudi Arabia, Yemen, Israel.

Distribution in Egypt: *Lower Egypt*.

50. *Anumeta harterti* Rothschild, 1913

Syn. *Anumeta spilota harterti* Rothschild, 1913

Holotype: *Algeria, male (BMNH, London)*

Host records: (Polygonaceae) *Colligonum comosum*.

Geographical Records: Algeria, Mauritania, Oman, Saudi Arabia, Yemen.

Distribution in Egypt: *Lower Egypt*.

51. *Anumeta straminea* (Bang-Haas, 1906)

Syn. *Eremonoma straminea* Bang-Haas, 1906

Type: *Tunisia, (MNHU, Berlin)*

Host records: (Polygonaceae) *Colligonum comosum*.

Geographical Records: North Africa, Tunisia, Algeria.

Distribution in Egypt: *Lower Egypt, Sinai, Eastern Desert*.

25. *Apopestes* Hübner, [1823]

52. *Apopestes spectrum* (Esper, 1787)

Syn. *Noctua spectrum* Esper, 1787

Type: Italy

Host records: Papilionaceous shrubs.

Geographical Records: Mediterranean Asiatic species, Iran, Turkmenistan, North Africa.

Distribution in Egypt: **Lower Egypt, Eastern Desert, Sinai.**

26. *Autophila* Hübner, [1823]

53. *Autophila cerealis* (Staudinger, 1871)

Syn. *Spintherops cerealis* Staudinger, 1871

Type: Syria, (MNHU, Berlin)

Host records: Papilionaceous plants.

Geographical Records: Syria, Central Asia, Israel, Lebanon, Iraq, Iran, Yemen, Saudi Arabia, Armenia, Emiratem Turkia, Afghanistan.

Distribution in Egypt: **Sinai.**

54. *Autophila cymaenotaenia* Boursin, 1940

Syn. *Autophila cymaenotaenia* sups. *orthotaenia* Wiltshire, 1943

Type: Tunisia, male, (LN, Karlsruhe)

Host records:

Geographical Records: Tunisia, Iraq, Turkey, Saudi Arabia, Algeria.

Distribution in Egypt: **Sinai.**

55. *Autophila pauli* Boursin, 1940

Holotype: Jordan, male, (LN, Karlsruhe)

Host records: Papilionaceous plants.

Geographical Records: Syria, Jordan, Israel.

Distribution in Egypt: **Eastern Desert, Sinai.**

56. *Autophila rosea* (Staudinger, 1888)

Syn. *Spintherops dilucida* var. *rosea* Staudinger, 1888

Holotype: Algeria, (MNHU, Berlin)

Geographical Records: Mediterranean species, Algeria, North Africa, Canary Islands, Sicily, Tunisia, Lebanon.

Distribution in Egypt: **Eastern Desert, Sinai.**

57. *Autophila dilucidadilucida* Staudinger, 1888

Type: Europe

Host records: *Medicago*, *Onabrychis*, *Hedysarum*.

Geographical Records: Mediterranean species, Algeria, Israel, Europe.

Distribution in Egypt: **Sinai.**

27. *Plecoptera* Guenée, 1852

58. *Plecoptera reflexa* Guenée, 1852

(Syn. *Trigonodes gammoides* Walker, 1858)

Holotype: Central India, Male (UM, Oxford)

Host records: *Dalbergia sissoo*.

Geographical Records: Asiatic-Tropical. Oriental sp., India, Israel.

Distribution in Egypt: **Sinai.**

28. *Scodionyx* Staudinger, (1900)

59. *Scodionyx mysticus* Staudinger, 1900

Syn. *Hypotacha boursini* Warnecke, 1938

Holotype: Jordan, male (MNHU, Berlin)

Host records: *Acacia raddiana*.

Geographical Records: Afro-Eremic, Jordan, Libya, Yemen, Israel.

Distribution in Egypt: **Western Desert.**

29. *Tathorhynchus* Billberg, 1820

60. *Tathorhynchus exsicatus* (Ledrerer, 1855)Syn. *Lygephila exsiccata* Ledrerer, 1855**Holotype:** Cyprus, (MNHU, Berlin)**Host records:** Alfalfa, *Indigofera tinctoria*, *Medicago sativa*, *Spartium junceum* (Liguminosae).**Geographical Records:** North Africa, Tropical Africa, Tropical Asia, Canary Islands, Argentina, Lebanon, Jordan, Israel.*Distribution in Egypt: Lower & Upper Egypt, Eastern Desert, Sinai.***30. *Trigonodes* Guenée, 1852****61. *Trigonodes hyppasia* (Cramer, 1779)**Syn. *Chalciope hyppasia* Cramer, 1779**Holotype:** India**Host records:** *Phaseolus*, *Fabaceae*.**Geographical Records:** Senegal, China, Indo-Australian tropic including India, South Africa, Sao tome and Principe, Queensland, Thailand, New South Wales, .*Distribution in Egypt: Lower Egypt.***References**

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Plate (I)



Plate (II)

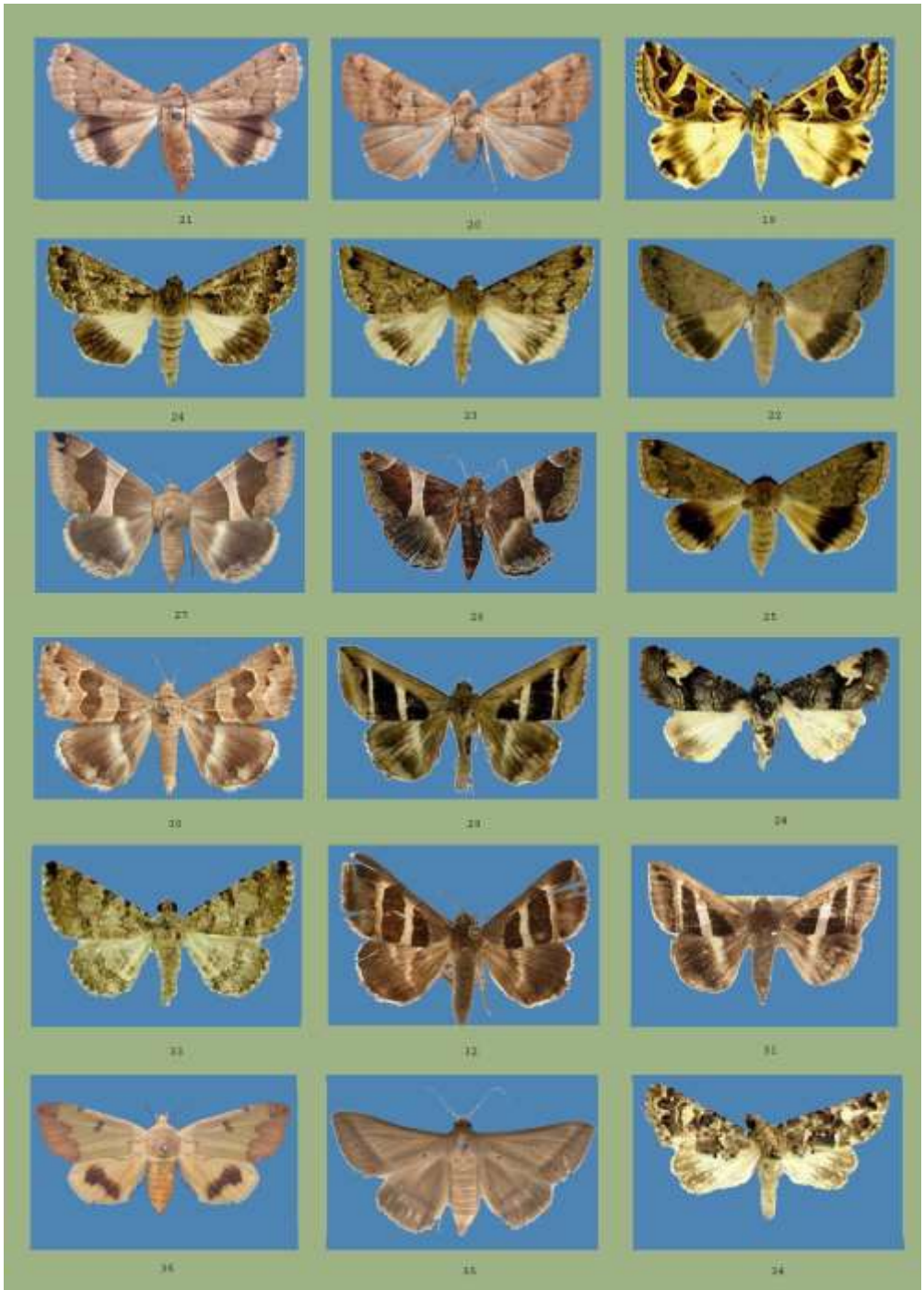


Plate (III)

