

A SYSTEMATIC LIST OF PYRAUSTINAE OF NORTHEASTERN INDIA (PYRALIDAE: LEPIDOPTERA)

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Abstract

102 species of moths belonging to subfamily Pyraustinae of family Pyralidae recorded from northeastern India are presented in this manuscript.

Keywords

Systematic list, Moths, Pyraustinae, northeastern India

Introduction

Intensive and extensive collection-cum-survey tours conducted in the far-flung localities of northeastern India between August 1981 to September 1984 by the first author resulted in the collection of 102 species referable to 54 genera of subfamily Pyraustinae. The identification of various taxa has been based on the works of Hampson (1896-1918). The examples have also been compared with the reference collections of Forest Research Institute (FRI) Dehra Dun, Zoological Survey of India (ZSI) Kolkata and Indian Agricultural Research Institute (IARI) New Delhi. Besides identifying six new genera and 13 new species, Genus *Toxobotys* Munroe and *Mutuura* has been reported for the first time from the Oriental region (Kirti & Rose, 1989) and many new combinations have been formulated. A complete systematic list of 102 species of subfamily Pyraustinae is given in the present manuscript. This list is a consolidation of data generated as the Pyraustinae of northeastern India.

The material for the present studies comprises 933 examples of 102 species belonging to 54 genera of sub family Pyraustinae. These moths have been exclusively collected from fluorescent lights during night-time from different localities of Assam, Meghalaya, Arunachal Pradesh, Nagaland, Tripura, Manipur and Mizoram. The surveyed areas include both plains and hilly places up to a height of 1820m (6000ft). The collections were largely made in electrified towns and villages with the help of a portable light trap. The properly dried specimens of all the species studied here are stored in air-tight wooden boxes in the

laboratory.

The moths belonging to subfamily Pyraustinae can be easily recognised from their general appearance and resting posture but doubtful cases can be readily confirmed from neuration of the hindwings, i.e., after topically treating them with toluene. A complete systematic list of subfamily Pyraustinae comprising different taxa along with material examined is given below.

Genus - *Bocchoris* Moore

1. *Bocchoris inspersalis* (Zeller)

Meghalaya: Khasi Hills, Cherrapunjee, 3 males, 17.iv.1983.
Assam: Guwahati, Hatigaon, 1 female, 30.ix.1983.

2. *Bocchoris adipalis* (Lederer)

Assam: Mikir Hills, Diphu, 1 male, 1 female, 13.ix.1983; Jorhat, 1 male, 21.v.1983; North Cachar Hills, Jatinga, 1 male, 12.ix.1983.
Nagaland: Kohima, University Campus, 1 female, 27.ix.1983.
Meghalaya: Jaintia Hills, Garampani, 1 female, 10.ix.1982.

Genus - *Hemopsis* Kirti & Rose

3. *Hemopsis dissipatalis* (Lederer)

Assam: North Cachar Hills, Jatinga, 3 males, 1 female, 8-12.ix.1983; Mayur, 2 males, 1 female, 13.ix.1983.

4. *Hemopsis angustalis* (Snellen)

Meghalaya: Khasi Hills, Upper Shillong, 2 males, 31.xii.1982; Cheerapunjee, 5 males, 13.v.1983
Nagaland: Kohima, University Campus, 1 female, 09.v.1983.

Genus - *Toxobotys* Munroe & Mutuura

5. *Toxobotys aureans* (Kirti & Rose, 1989)

Holotype: Male, Meghalaya: Khasi Hills, Cheerapunjee, 02.ix.1983

Allotype: Female, Meghalaya: Khasi Hills, Cheerapunjee, 02.ix.1983

Paratypes: 1 female, Meghalaya: Khasi Hills, Cheerapunjee, 02.ix.1983.

Assam: North Cachar Hills, Jatinga, 2 males, 1 female, 09.ix.1983.

Genus - *Nankogobinda* Rose & Kirti

6. *Nankogobinda artificialis* (Lederer)
 Manipur: Imphal, University Campus, 1 male, 19.v.1982.

Genus - *Prooedema* Hampson

7. *Prooedema incisale* (Walker)
 Arunachal Pradesh: Tirap, Deomali, 2 males, 26.iv.1982, 7 males, 3–6.v.1983; Subansiri, Ziro, 1 male, 09.v.1983.
 Mizoram: Aizawl, Kolosib, 1 male, 1 female, 08.iv.1982.

Genus - *Polythlipta* Lederer

8. *Polythlipta euroalis* (Swinhoe)
 Arunachal Pradesh: Subansiri, Bander Dewa, 1 male, 23.ix.1982.
 Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 07.ix.1983.

9. *Polythlipta inconspicua* (Moore)
 Arunachal Pradesh: Subansiri, Kimin, 1 male, 22.ix.1983 – Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 7.ix.1983 Tripura: Agartala, 1 female, 6.v.1982.

10. *Polythlipta ossealis* Lederer
 Assam: North Cachar Hills, Jatinga, 2 males, 20.ix.1982.

11. *Polythlipta cerealis* Lederer
 Mizoram: Lunglei, 1 male, 8.iv.1982.

12. *Polythlipta macralis* Lederer
 Assam: North Cachar Hills, Haflong, 2 males, 12.ix.1983; Mikir Hills, Diphu, 1 male, 14.ix.1983.

Genus - *Pramadea* Moore

13. *Pramadea denticulata* (Moore)
 Assam: North Cachar Hills, Haflong, 2 males, 1 female, 10.ix.1982.
 Meghalaya: Garo Hills, Tura, 1 male, 28.v.1983.
 Manipur: Imphal, 1 female, 19.iv.1982.

14. *Pramadea ovalis* (Walker)
 Nagaland: Kohima, Ghaspani, 1 female, 17.ix.1982.
 Arunachal Pradesh: Subansiri, Ziro, 1 female, 08.v.1983; Tirap, Deomali, 1 male, 04.v.1983.
 Assam: North Cachar Hills, Jatinga, 1 male, 07.viii.1982; Mikir Hills, Diphu, 1 male, 14.ix.1983.

15. *Pramadea lunalis* (Guenee)
 Assam: North Cachar Hills, Jatinga, 2 males, 08.iv.1982; Sibsagar, Jorhat, 2 males, 15.iv.1983.
 Meghalaya: Khasi Hills, Sumer, 1 male, 1 female, 24.v.1983; Jaintia Hills, Jowai, 2 females, 29.v.1983.
 Arunachal Pradesh: Along, Pasighat, 1 male, 1 female, 01.x.1983.
 Tripura: Agartala, 2 males, 06.v.1982.

16. *Pramadea crotonalis* (Walker)
 Assam: Sibsagar, Meleng, 1 male, 17.ix.1983.

Genus - *Syngamia* Guenee

17. *Syngamia abruptalis* (Walker)
 Meghalaya: Khasi Hills, Upper Shillong, 1 male, 15.iv.1983; Garo Hills, Tura, 1 male, 1 female, 16.v.1983.
 Assam: Gauhati, University Campus, 1 female, 28.viii.1982.
 Mizoram: Aizawl, Kolosib, 1 male, 08.iv.1982.

18. *Syngamia falsidicalis* (Walker)
 Assam: Guwahati, Gauhati University Campus, 1 female, 20.iii.1982.
 Meghalaya: Khasi Hills, Cheerapunjee, 1 female, 19.iv.1983.
 Arunachal Pradesh: Tirap, Deomali, 2 males, 14.ix.1982.
 Mizoram: Aizawl, 1 male, 08.iv.1982.

Genus - *Uncobotyodes* Kirti & Rose

19. *Uncobotyodes patulalis* (Walker)
 Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 17.iv.1983;
 Umsning, 1 male, 29.ix.1983.

Genus - *Diasemiopsis* Munroe

20. *Diasemiopsis ramburialis* (Duponchel)
 Assam: Guwahati, 4 males, 2 females, 20.iii.1982.
 Meghalaya: Khasi Hills, Shillong, 6 males, 31.ix.1982; Jaintia Hills, Jowai, 2 males, 1 female, 29.iii.1982.
 Mizoram: Aizawl, Kolosib, 1 male, 2 females, 08.iv.1982.
 Tripura: Agartala, 1 male, 1 female, 06.v.1982.
 Mainpur: Imphal, 5 males, 19.v.1983.
 Nagaland: Kohima, 2 males, 2 females, 11.ix.1983.
 Arunachal Pradesh: Tirap, Khonsa, 2 males, 4 females, 04.v.1983.

Genus - *Limbotyphus* Munroe & Mutuura

21. *Limbotyphus ptyophora* (Hampson)
 Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 07.ix.1982;
 Mikir Hills, Diphu, 2 males, 14.ix.1983; Kaziranga, 1 male, 04.viii.1982.
 Meghalaya: Jaintia Hills, Garampani, 1 male, 09.ix.1983.
 Arunachal Pradesh: Tirap, Deomali, 1 male, 25.iv.1982.
 Nagaland: Kohima, 2 males, 1 female, 11.ix.1983.
 Manipur: Imphal, 2 males, 19.iv.1982.

Genus - *Tangla* Swinhoe

22. *Tangla zelimalis* (Walker)
 Assam: North Cachar Hills, Jatinga, 2 males, 24.iv.1982; Haflong, 3 males, 07.ix.1982; Mayur, 1 male, 24.iv.1983.
 Arunachal Pradesh: Tirap, Khonsa, 1 male, 14.ix.1982; Deomali, 1 male, 1 female, 12.ix.1982.
 Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 13.v.1983.
 Nagaland: Kohima, 1 male, 11.v.1983.

23. *Tangla itysalis* (Walker)
 Arunachal Pradesh: Tirap; Deomali, 1 male, 1 female, 12.ix.1982;
 Subansiri, Bander-Dewa, 1 male, 2 females, 20–23.ix.1982.

Assam: Kaziranga, 1 male, 19.v.1983; North Cachar Hills, Haflong, 2 males, 1 male, 06-10.ix.1983.
Meghalaya: Khasi Hills, Nongpoh, 2 males, 22.ix.1983.
Nagaland: Kohima, Ghaspani, 1 male, 28.ix.1983.
Manipur: Ukhrul, 1 male, 30.ix.1983.

24. *Tangla zangisalis* (Walker)

Assam: North Lakimpur, Lilabari, 1 male, 01.x.1983; North Cachar Hills, Jatinga, 1 male, 2 females, 03-05.ix.1983.

25. *Tangla naralis* (Felder & Rogenhofer)

Manipur: Ukhrul, 2 males, 19.iv.1982.
Assam: North Cachar Hills, Jatinga, 2 males, 08.ix.1982, 1 male, 2 females, 04.ix.1983; Kaziranga, 1 male, 15.ix.1982.
Nagaland: Naga Hills, Kohima, 1 male, 28.ix.1983.
Arunachal Pradesh: Subansiri, Ziro, 2 males, 30.ix.1983.

Genus - *Samea* Guenee

26. *Samea castoralis* (Walker)

Assam: North Cachar Hills, Jatinga, 1 male, 07.ix.1982.
Arunachal Pradesh: Subansiri, Itanagar, 1 male, 09.v.1983.
Nagaland: Kohima, 4 males, 11.v.1983.
Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 1 female, 17.iv.1983.

Genus - *Phlyctaenia* Hübner

27. *Phlyctaenia octomaculalis* (Moore)

Assam: North Cachar Hills, Haflong, 1 female, 08.ix.1982, 1 female, 05.ix.1983.
Arunachal Pradesh: Tirap, Deomali, 1 female, 26.iv.1982.

Genus - *Herpetogramma* Lederer

28. *Herpetogramma cynaralis* (Walker)

Assam: Guwahati, Gauhati University Campus, 2 males, 20.iii.1982.
Meghalaya: Jaintia Hills, Garampani, 1 female, 09.ix.1983.

Genus *Palpita* Hübner

29. *Palpita warrenalis* (Swinhoe)

Meghalaya: Khasi Hills, Sumer, 1 male, 25.iii.1982; Cheerapunjee, 2 males, 17.iv.1983; Jaintia Hills, Jowai, 1 male, 1 female, 29.iii.1982.

30. *Palpita nigropunctalis* (Bremer)

Meghalaya: Khasi Hills, Cheerapunjee, 3 males, 13.v.1983.

31. *Palpita albifulyata* Kirti & Rose

Holotype: Male, Arunachal Pradesh: Tirap, Deomali, 16.ix.1982
Allotype: Female, Assam: North Cachar Hills, Jatinga, 04.ix.1983.

32. *Palpita annulata* (Fabricius)

Assam: North Cachar Hills, 1 male, 4 females, 08-10.ix.1982; 2 males, 04.ix.1983.
Arunachal Pradesh: Tirap, Khonsa, 2 males, 04.v.1983; Subansiri,

Kimin, 2 males, 08.v.1983; Ziro; 1 male, 10.v.1983.

Mizoram: Aizawl, 2 males, 2 females, 08.v.1982.

Tripura: Dharamnagar, 1 male, 2 females, 05.v.1982.

Meghalaya: Jaintia Hills, Jowai, 6 males, 29.iii.1982; Khasi Hills, Sumer, 2 males, 27.iii.1982.

Nagaland: Kohima, 2 males, 14.ix.1982.

33. *Palpita kiminensis* Kirti & Rose

Holotype: Male, Arunachal Pradesh: Subansiri, Kimin, 08.v.1983.

Allotype: Female, Arunachal Pradesh: Subansiri, Kimin, 08.v.1983.

34. *Palpita pajnii* Kirti & Rose.

Holotype: Female, Arunachal Pradesh: Tirap, Deomali, 24.iv.1982.

Allotype: Male, North Cachar Hills, Jatinga, 10.ix.1983.

Paratypes: Assam: Dibrugarh, 1 male, 22.ix.1982; North Cachar Hills, Haflong, 2 males, 13.ix.1982.

Genus - *Endocrossis* Meyrick

35. *Endocrossis flavibasalis* (Moore)

Arunachal Pradesh: Subansiri, Kimin, 2 males, 24.ix.1982; Ziro, 1 male, 07.V.1983.

Genus - *Glyphodes* Guenee

36. *Glyphodes stolalis* Guenee

Meghalaya: Khasi Hills, Shillong, 1 male, 1 female, 31.ix.1982; Jaintia Hills, Jowai, 1 male, 23.ix.1982.

Assam: North Cachar Hills, Jatinga, 4 males, 3 females, 04-07.ix.1983; Tejpur, 1 male, 11.ix.1983.

Nagaland: Kohima, 1 male, 2 females, 28.ix.1983.

Manipur: Ukhrul, 1 male, 19.iv.1983.

Arunachal Pradesh: Subansiri, Itanagar, 1 male, 1 female, 31.ix.1982.

37. *Glyphodes pulverulentalis* Hampson

Assam: Mikir Hills, Diphu, 1 male, 2 females, 12-14.ix.1983; North Cachar Hills, Jatinga, 6 males, 1 female, 3-9.ix.1983.

Nagaland: Kohima, Ghaspani, 1 male, 1 female, 28.ix.1983.

38. *Glyphodes caesalis* Walker

Assam: Mikir Hills, Diphu, 2 males, 14.ix.1983; North Cachar Hills, Jatinga, 6 males, 2 females, 03-12.ix.1983.

Arunachal Pradesh: Tirap, Khonsa, 1 male, 04.v.1983; Subansiri, Itanagar, 1 male, 19.v.1983.

Manipur: Imphal, 1 male, 1 female, 19.iv.1982.

Nagaland: Kohima, 2 males, 09.v.1982.

Meghalaya: Garo Hills, Tura, 2 males, 17.ix.1982.

Genus - *Torqueols* Swinhoe

39. *Torqueols ophiceralis* (Walker)

Arunachal Pradesh: Tirap, Deomali, 3 males, 1 female, 15.ix.1982;

Subansiri, Bander-Dewa, 2 males, 1 female, 20.ix.1982.

Genus *Diaphania* Hübner

40. *Diaphania indica* (Saunders)

Manipur: Imphal, 1 male, 19.v.1982.

Arunachal Pradesh: Subansiri, Bander-Dewa, 1 male, 1 female, 23.ix.1982.

41. *Diaphania canthusalis* (Walker)

Nagaland: Kohima, 1 male, 1 female, 09.v.1983.

Arunachal Pradesh: Tirap, Deomali, 1 male, 12.ix.1982, 1 male, 02.v.1983.

42. *Diaphania bicolor* (Swainson)

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 1 female, 15.v.1983; Shillong, 1 male, 27.iii.1982.

Assam: Gauhati, Khanapara, 1 male, 21.iii.1982.

Nagaland: Kohima, 2 males, 28.ix.1983.

Mizoram: Aizawl, 1 male, 08.v.1982.

43. *Diaphania zelleri* (Lederer)

Arunachal Pradesh: Subansiri, Bander-Dewa, 1 male, 23.ix.1982, 1 male, 05.v.1983; Tirap, Deomali, 1 male, 25.iv.1982.

Genus *Sisyrophora* Lederer

44. *Sisyrophora pfeifferae* (Lederer)

Arunachal Pradesh: Tirap, Deomali, 2 males, 15.ix.1982;

Subansiri, Bander-Dewa, 1 male, 21.ix.1982.

Genus *Hoidodes* Swinhoe

45. *Hoidodes laticostalis* (Guenee)

Assam: North Cachar Hills, Jatinga, 2 males, 4 females, 19.ix.1983.

Meghalaya: Jaintia Hills, Garampani, 1 male, 21.ix.1983.

Arunachal Pradesh: Tirap, Deomali, 3 males, 14.ix.1982.

Nagaland: Kohima, 2 males, 28.ix.1983.

Genus - *Filodes* Guenee

46. *Filodes fulvidorsalis* (Geyer)

Meghalaya: Khasi Hills, Cheerapunjee, 3 males, 4 females, 17.iv.1983.

Assam: North Cachar Hills, Haflong, 2 males, 1 female, 06.ix.1982.

Nagaland: Kohima, Ghaspani, 2 males, 2 females, 28.ix.1983.

Genus - *Heterocnephes* Lederer

47. *Heterocnephes lymphatalis* (Swinhoe)

Assam: North Cachar Hills, Jatinga, 2 males, 2 females, 06-08.ix.1983; Mikir Hills, Diphu, 1 male, 2 females, 13-14.ix.1983.

Nagaland: Kohima, Ghaspani, 2 males, 27.ix.1983.

Manipur: Imphal, 1 male, 19.v.1982.

Genus *Eurrhparodes* Snellen

48. *Eurrhparodes tricoloralis* (Zeller)

Mizoram: Aizawl, M.L.A. Hostel, 1 male, 09.iv.1982.

Arunachal Pradesh: Tirap, Deomali, 1 male, 26.iv.1982.

Assam: Guwahati, Gauhati University Campus, 2 males, 1 female,

18-21.iii.1982; Cachar District, Silchar, 1 male, 1 female, 31.iii.1982.

Meghalaya: Khasi Hills, Umsning, 1 male, 28.iii.1982.

49. *Eurrhparodes plumbeimarginalis* Hampson

Arunachal Pradesh: Tirap, Namsangmukh, 1 male, 25.iv.1982, 1 male, 16.ix.1982; Deomali, 1 male, 05.v.1983.

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 16.iv.1983.

Assam: Cachar District, Karimganj, 1 male, 29.iv.1983.

Genus - *Lamprosema* Hübner

50. *Lamprosema cuprealis* (Moore)

Assam: North Cachar Hills, Jatinga, 2 males, 2 females, 08-10.ix.1982.

Nagaland: Kohima, 1 male, 2.v.1983.

51. *Lamprosema stigmatalis* (Warren)

Arunachal Pradesh: Tirap, Namsangmukh, 3 males, 2 females, 12.ix.1982; Khonsa, 2 males, 04.v.1983; Subansiri, Ziro, 3 males,

2 females, 08.v.1983; Bander-Dewa, 4 males, 20.ix.1982.

Assam: North Lakhimpur, Lilabari, 2 males, 1 female, 22.ix.1982; Guwahati, Khanapara, 1 male, 03.x.1982.

Meghalaya: Jaintia Hills, Jowai, 1 male, 08.ix.1983; Garampani, 2 males, 09.ix.1983.

Nagaland: Kohima, 1 male, 1 female, 11.v.1983

Tripura: Dharmanagar, 2 males, 1 female, 07.v.1982.

52. *Lamprosema vulgalis* (Guenee)

Nagaland: Kohima, 1 male, 1 female, 09.v.1983.

Meghalaya: Khasi Hills, Sumer, 1 male, 25.viii.1983; Shillong, 1 male, 23.iii.1982.

53. *Lamprosema diemenalis* (Guenee)

Tripura: Agartala, Circuit house, 1 male, 1 female, 17.vi.1983.

54. *Lamprosema commixta* (Butler)

Assam: North Cachar Hills; Jatinga, 1 male, 2 females, 22-27.iv.1982; Haflong, 2 males, 07-08.ix.1982.

55. *Lamprosema marionalis* (Walker)

Assam: North Cachar Hills, Haflong, 6 males, 2 females, 08-10.ix.1982.

Meghalaya: Jaintia Hills, Garampani, 1 male, 10.ix.1983.

56. *Lamprosema cyanealis* (Walker)

Nagaland: Kohima, Ghaspani, 1 male, 29.ix.1983.

Manipur: Imphal, Circuit house, 1 males, 19.v.1983.

Genus - *Dichocrocis* Lederer

57. *Dichocrocis rigidalis* (Snellen)

Arunachal Pradesh: Tirap, Namsangmukh, 2 males, 1 female, 24.iv.1982.

58. *Dichocrocis definita* (Butler)

Assam: North Cachar Hills, Jatinga, 2 males, 3 females, 08-10.ix.1982, 1 male, 08.ix.1983.

Meghalaya: Khasi Hills, Umsning, 1 male, 04.ix.1982.

59. *Dichocrocis nilusalis* (Walker)

Meghalaya: Garo Hills, Tura, 1 male, 23.v.1983; Jaintia Hills, Jowai, 1 male, 26.ix.1983.

Nagaland: Kohima, Ghaspani, 2 males, 26.ix.1983.

Assam: North Cachar Hills, Jatinga, 3 males, 08.ix.1983.

60. *Dichocrocis recurrens* (Moore)

Assam: North Cachar Hills, Haflong, 2 males, 07.ix.1982.

Arunachal Pradesh: Subansiri, Kimin, 1 male, 24.ix.1982.

61. *Dichocrocis* sp.

Male, Arunachal Pradesh: Tirap, Deomali, 24.iv.1982.

Arunachal Pradesh: Tirap, Deomali, 5 males, 24.iv.1982.

Genus *Hymenia* Hübner62. *Hymenia perspectalis* (Hübner)

Mizoram: Aizawl, Kolosib, 2 males, 2 females, 08.iv.1982.

Assam: Kamrup, Gauhati, 3 males, 1 female, 21-24.iii.1982;

Sibsagar, Meleng, 2 males, 17.iv.1982.

Genus - *Synclera* Lederer63. *Synclera nigropenultimalis* Kirti

Holotype: Male, Arunachal Pradesh: Tirap, Deomali, 15.ix.1982.

Paratypes: Arunachal Pradesh: Tirap, Namsangmukh, 1 male, 23.iv.1982.

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 22.ix.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 06.ix.1983.

64. *Synclera stramineatis* Kirti

Holotype: Male, Arunachal Pradesh: Tirap, Deomali, Namsangmukh, 15.ix.1982.

Paratypes: 3 males, Arunachal Pradesh: Tirap, Deomali, Namsangmukh, 15.ix.1982.

Genus - *Chalcidoptera* Butler65. *Chalcidoptera appensalis* (Snellen)

Mizoram: Aizawl, Kolosib, 1 male, 25.ix.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 08.viii.1982; 1 male, 2 females, 3-5.ix.1983.

Genus - *Satanastra* Meyrick66. *Satanastra virgitalis* (Moore)

Assam: North Cachar Hills, Jatinga, 2 males, 8.viii.1982; 1 female, 12.ix.1983.

Arunachal Pradesh: Tirap, Khonsa, 1 male, 26.iv.1982.

67. *Satanastra meritalis* (Walker)

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 16.iv.1983; 1 male,

12.ix.1983.

Assam: North Cachar Hills, Jatinga, 1 male, 5.ix.1983.

68. *Satanastra aeriferalis* (Moore)

Meghalaya: Jaintia Hills, Garampani, 1 male, 10.ix.1983.

Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 12.ix.1983.

Genus - *Pycnarmon* Lederer69. *Pycnarmon jaguaralis* (Guenee)

Arunachal Pradesh: Tirap, Deomali, 1 male, 25.iv.1982.

Meghalaya: Jaintia Hills, Garampani, 1 male, 10.ix.1983.

Genus - *Nosophora* Lederer70. *Nosophora althealis* (Walker)

Arunachal Pradesh: Tirap, Deomali, 1 male, 12.ix.1982, 1 male, 03.v.1983; Khonsa, 1 male, 05.v.1983.

Assam: North Cachar Hills, Haflong, 2 males, 07.ix.1982.

Tripura: Dharmanagar, 1 male, 02.v.1982.

Genus - *Aetholix* Lederer71. *Aetholix flavibasalis* (Guenee)

Assam: North Cachar Hills, Jatinga, 1 male, 10.ix.1982; 1 male, 06.ix.1983; Mikir Hills, Diphu, 1 male, 13.ix.1983; Sibsagar,

Meleng, 1 male, 01.x.1983.

Genus - *Nagiella* Munroe72. *Nagiella quadrimaculalis* (Kollar)

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 13.v.1983; Umsning, 1 male, 4.ix.1982.

Arunachal Pradesh: Tirap, Deomali, 1 male, 22.iv.1982.

Assam: North Cachar Hills, Jatinga, 2 males, 08.ix.1982.

Nagaland: Kohima, 1 male, 28.ix.1983.

Genus - *Nevrina* Guenee73. *Nevrina procopia* (Stoll)

Meghalaya: Khasi Hills, Sumer, 1 male, 25.iii.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 10.ix.1983.

Genus - *Phostria* Hübner74. *Phostria unitalis* (Guenee)

Arunachal Pradesh: Tirap, Namsangmukh, 3 males, 14-15.ix.1982.

Assam: North Cachar Hills, Jatinga, 2 males, 05.ix.1983.

75. *Phostria noctescens* (Moore)

Meghalaya: Khasi Hills, 1 male, 1 female, 22.ix.1983; Jaintia Hills, Garampani, 1 male, 09.ix.1983.

Assam: North Cachar Hills, Mayur, 1 male, 12.ix.1983; Jatinga, 1 male, 06.ix.1983.

Genus - *Ulopeza* Zeller76. *Ulopeza idyalis* (Walker)

Arunachal Pradesh: Tirap, Khonsa, 1 male, 17.ix.1982; Subansiri, Kimin, 1 male, 24.ix.1982.

77. *Ulopeza semivialis* (Moore)

Arunachal Pradesh: Tirap, Deomali, 1 male, 12.ix.1982.

Nagaland: Kohima, 1 male, 28.ix.1983.

Genus - *Patania* Moore78. *Patania concatenalis* (Walker)

Arunachal Pradesh: Tirap, Deomali, 3 males, 1 female, 22-26.iv.1982.

Nagaland: Kohima, 1 male, 11.v.1983.

Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 08.ix.1983.

79. *Patania caletoralis* (Walker)

Meghalaya: Khasi Hills, Shillong, 2 males, 27.iii.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 17.iv.1983.

80. *Patania costalis* (Moore)

Meghalaya: Khasi Hills; Cheerapunjee, 2 males, 13.v.1983.

81. *Patania verecunda* (Warren)

Arunachal Pradesh: Tirap, Deomali, 1 male, 14.ix.1982.

Meghalaya: Khasi Hills, Cheerapunjee, 2 males, 16.iv.1983.

82. *Patania* sp.

Arunachal Pradesh: Tirap, Deomali, 1 male, 14.ix.1982.

Meghalaya: Khasi Hills, Umsning, 1 female, 24.ix.1983.

83. *Patania palliventralis* (Snellen)

Arunachal Pradesh: Tirap, Deomali, 1 male, 23.iv.1982; 1 male, 1 female, 14.ix.1982; 1 male, 05.v.1983.

84. *Patania imbecilis* (Moore)

Arunachal Pradesh: Tirap, Deomali, Namsangmukh, 12 males, 4 females, 24-27.iv.1982; 6 males, 1 female, 01-04.v.1983.

Assam: Cachar District, Silchar, 2 males, 1 female, 31.iii.1982; Karimganj, 2 males, 23.ix.1983.

Nagaland: Kohima, 4 males, 2 females, 28.ix.1983.

85. *Patania aurantiacalis* (Fischer v. Roselerstamm)

Assam: North Cachar Hills, Haflong, 1 male, 14.iv.1982; 2 males, 07.ix.1982; 1 male, 05.ix.1983; Mikir Hills, 2 males, 12-13.ix.1983.

Manipur: Ukhrul, 2 males, 1 female, 19.iv.1982.

86. *Patania mysialis* (Walker)

Assam: North Cachar Hills, Haflong, 1 male, 11.iv.1982; 1 male, 07.ix.1982; Jatinga, 1 female, 10.ix.1982; Sibsagar; Jorhat, 1 male, 1 female, 07.ix.1983.

Genus - *Notarcha* Meyrick87. *Notarcha derogata* (Fabricius)

Mizoram: Aizawl, Kolosib, 1 male, 08.iv.1982.

Meghalaya: Khasi Hills, Shillong, 1 male, 23.iii.1982.

Assam: Mikir Hills, Diphu, 1 male, 14.ix.1983.

Genus - *Omphis* Moore88. *Omphis anastomosalis* (Guenee)

Assam: North Cachar Hills, Jatinga, 1 male, 10.ix.1982.

Genus - *Indogrammodes* Kirti & Rose89. *Indogrammodes pectinicornalis* (Guenee)

Assam: North Cachar Hills, Jatinga, 3 males, 12.iv.1982.

Nagaland: Kohima, 1 female, 28.ix.1983.

Genus - *Prophantis* Warren90. *Prophantis octoguttalis* (Felder & Rogenhofer)

Assam: North Cachar Hills, Jatinga, 3 males, 1 female, 06-08.ix.1982; 1 male, 1 female, 06.ix.1983.

Arunachal Pradesh: Tirap, Bander-Dewa, 1 male, 06.ix.1983.

Manipur: Imphal, 1 male, 19.ix.1982.

Genus - *Ischnurges* Lederer91. *Ischnurges gratiosalis* (Walker)

Arunachal Pradesh: Tirap, Deomali, 1 male, 1 female, 16.ix.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 08.ix.1982;

Mikir Hills, Diphu, 1 male, 13.ix.1983.

Genus - *Merocтена* Lederer92. *Merocтена tullalis* (Walker)

Assam: North Cachar Hills, Jatinga, 2 males, 05.ix.1983.

Mizoram: Aizawl, 1 male, 25.viii.1982.

Meghalaya: Jaintia Hills, Garampani, 1 male, 09.ix.1983; Khasi Hills, Upper Shillong, 1 male, 1.ix.1982.

Genus - *Diasemia* Hübner93. *Diasemia shafferi* (Kirti)

Holotype: Male, Arunachal Pradesh: Subansiri, Kimin, 08.v.1983.

Paratype: Male, Arunachal Pradesh: Subansiri, Kimin, 08.v.1983.

Assam: North Cachar Hills, Jatinga, 1 male, 19.iv.1983.

Genus - *Hanseмия* (to be described)94. *Hanseмия* sp.

Holotype: Assam: Sibsagar, Meleng, 17.iv.1982.

Allotype: Female, Assam: Sibsagar, Meleng, 17.iv.1982.

Paratypes: 5 males, 7 females, Assam: Sibsagar, Meleng, 17.iv.1982; Guwahati, 6 males, 11 females, 20-24.iii.1982.

Meghalaya: Jaintia Hills, Jowai, 3 males, 29.iii.1982; Khasi Hills, Sumer, 3 males, 25.iii.1982; 1 male, 05.v.1983.

Arunachal Pradesh: Tirap, Deomali, 7 males, 5 females, 26-30.iv.1982; 3 males, 2 females, 01-07.iv.1983.

Manipur: Imphal, 2 males, 2 females, 19.iv.1982.

Mizoram: Aizawl, 2 males, 2 females, 08.iv.1982.

Tripura: Agartala, 5 males, 2 females, 06.iv.1982.

Genus - *Maruca* Walker95. *Maruca amboinalis* (Felder & Rogenhofer)

Assam: North Cachar Hills, Jatinga, 1 male, 07.ix.1983.

Arunachal Pradesh: Subansiri, Bander-Dewa, 1 male, 21.ix.1982.
Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 13.ix.1983.

Genus - *Tetridia* Warren

96. *Tetridia vinacealis* (Moore)

Assam: North Cachar Hills, Jatinga, 1 male, 1 female, 04-06.ix.1983.

Nagaland: Kohima, Ghaspani, 1 male, 27.ix.1983.

Genus - *Prorodes* Swinhoe

97. *Prorodes mimica* Swinhoe

Meghalaya: Khasi Hills, Cheerapunjee, 1 male, 13.v.1983.

Assam: North Cachar Hills, Haflong, 2 males, 08-09.ix.1982.

Genus - *Arunamalaia* Rose & Kirti

98. *Arunamalaia banderdewaensis* Rose & Kirti.

Holotype: Male, Arunachal Pradesh: Subansiri, Bander-Dewa, 1.v.1982.

Allotype: Female, Arunachal Pradesh: Subansiri, Bander-Dewa, 1.v.1982.

Paratypes: 17 males, Arunachal Pradesh: Subansiri, Bander-Dewa, 1.v.1982.

Genus - *Thliptoceras* Swinhoe

99. *Thliptoceras pallida* (Moore)

Meghalaya: Khasi Hills, Upper Shillong, 1 male, 31.viii.1982;
Cheerapunjee, 2 males, 17.iv.1983.

Genus - *Pionea* Guenee

100. *Pionea aureolalis* Lederer

Arunachal Pradesh: Tirap, Namsangmukh, 1 male, 1 female, 24.iv.1982.

Assam: North Cachar Hills, Jatinga, 1 male, 04.ix.1983.

Manipur: Imphal, 1 male, 19.iv.1982.

101. *Pionea* sp.

Uttaranchal: Dehradun, Forest Research Institute Campus, 2 males, 2 females, 25.ix.1981.

Assam: Mikir Hills, Diphu, 1 male, 13.ix.1983.

Genus - *Yezobotys* Munroe

102. *Yezobotys leucanalisis* (Swinhoe)

Assam: Kamrup, Guwahati, 4 males, 2 females, 19-21.iii.1982;
Sibsagar, Jorhat, 1 male, 19.iv.1982; North Cachar Hills, Haflong, 1 male, 5 females, 12.iv.1982.

Mizoram: Aizawl, 1 male, 1 female, 08.iv.1982.

Meghalaya: Khasi Hills, Shillong, 1 male, 22.iii.1982; Sumer, 1 male, 25.iii.1982.

Manipur: Imphal, 2 males, 19.iv.1982.

Arunachal Pradesh: Tirap, Deomali, 1 male, 17.v.1983.

Nagaland: Kohima, Ghaspani, 1 male, 1 female, 28.ix.1983.

Remarks

The types as well as other collections are deposited in the Department of Zoology, Punjabi University, Patiala.

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NEW LARVAL FOOD PLANTS OF *EUPLOEA CORE CORE* (CRAMER) (NYMPHALIDAE: LEPIDOPTERA: INSECTA)

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The Common Crow, *Euploea core core* (Cramer) is a widespread butterfly occurring in many habitats. It is a polyphagous insect, known to feed on a variety of plant species including *Ficus bengalensis*, *F. racemosa*, *F. religiosa*, *F. elastica*, *Streblus asper* (Moraceae); *Cryptolepis elegans*, *C. buchmanani*, *Hemidesmus indicus*, *Tylophora indica* (Asclepiadaceae); *Holarrhena pubescens*, *Ichnocarpus frutescens*, *Nerium odoratum* and *N. oleander* (Apocynaceae) as reported by Wynter-Blyth (1957), Gay *et al* (1992) and Kunte (2000).

Since 1993, we have been observing Common Crows laying eggs on the young reddish buds of *Ficus arnottiana* (Moraceae), a common fig tree found along the rocky parts of the Madayipara hills, Payangadi, Kannur District, Kerala. We have also observed its breeding on *Carissa carindas* (Apocynaceae), a small spiny climbing shrub cultivated in the area. All records were during monsoon from June to August and many golden pupae were noted during this period.

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