

SUPPLEMENT TO REPORT ON A COLLECTING TRIP TO CHINA, 1984, TO STUDY
AND COLLECT NEPTICULIDAE (LEPIDOPTERA)

WITH DATA OF REARED SPECIMENS

by

ERIK J. VAN NIEUKERKEN

August, 1985
Department of Animal Systematics
Subfaculty Biology
Vrije Universiteit
P.O. Box 7161
1007 MC Amsterdam
The Netherlands

In this supplement I will list all adult Lepidoptera reared from the larvae and pupae collected in 1984 in China. Since no more moths emerged the last two months, we can assume that no more emergences are to be expected and those species which failed to produce adults probably all died. In the following list I completely follow the numbering and order in our previous report (pp. 16-22). Only those species are listed from which larvae have been collected.

LIST OF NEPTICULIDAE REARED

Heilongjiang province

Species	Host	Station	Number	Data
<i>Ectoedemia</i> (s.str.)				
1. cf <i>wilkinsoni</i> (Puplesis)	<i>Populus simonii</i>	5,13,17	5♂,5♀	2-9.iv.85
2. cf <i>argyropeza</i> (Zeller)	<i>Populus davidiana</i>	15	1♀	27.iii.85
3. cf <i>preisseckeri</i> (Klim.)	<i>Ulmus macrocarpa</i>	14	5♂,1♀	19-26.iv.85
4. spec.	<i>Acer mono</i>	14	1♀	26.iv.85
5. ?near <i>caradjai</i>	<i>Quercus mongolica</i>	10,12,14	1♂,4♀	19.iv-9.v.85
6. <i>albifasciella</i> -complex (mixture!)	<i>Quercus mongolica</i>	9,10,12	1♂,4♀	10.iv-9.v.85
7. <i>subbimaculella</i> -complex	<i>Quercus mongolica</i>	9,10	3♂,2♀	10-16.iv.85
8. spec.	<i>Quercus mongolica</i>	9	1♂	16.iv.85
9. near <i>quinquella</i>	<i>Quercus mongolica</i>	12,15,16	3♂,5♀	12-22.iv.85
10. spec.	<i>Corylus heterophylla</i>	12	1♀	30.iv.85
11. cf <i>pilosae</i> Puplesis	<i>Agrimonia pilosa</i>	6,7,13,14,16	27♂,36♀	13.iv-14.v.85
12. <i>angulifasciella</i> group	<i>Rosa acicularis</i>	6, 10,12	247 exx.	10.iv-10.v.85
14. near <i>spiraeae</i>	<i>Spiraea sericea</i>	8	2♂	16.iv.85

Ectoedemia (*Fomoria*)

16.A. spec. 1	<i>Hypericum attenuatum</i>	6,7,11	5♂,7♀	13-23.iv.85
16.B. spec. 2	<i>Hypericum attenuatum</i>	11,14	3♂,2♀	13-16.iv.85

Stigmella

17. no adults reared				
18. no adults reared				
20. near <i>microtheriella</i>	<i>Corylus mandshurica</i>	14	2♀	30.iii-2.iv.8
21. no adults reared				
24. no adults reared				
26. <i>malella</i> -group	<i>Rhamnus parvifolius</i>	16	1♀	30.iii.85
27. no adults reared				
28. no adults reared				
30. no adults reared				
31. no adults reared				
34. near <i>salicis</i>	<i>Salix raddeana</i>	7,8	7♂,10♀	4-15.iv.85
35. no adults reared				
36. no adults reared (but see sp. 65)				
37. spec.	<i>Ulmus macrocarpa</i>	14	1♀	13-15.iv.85
38. cf <i>gimmonella</i> (Mats.)	<i>Ulmus</i> spp.	11,12,14	4♂,3♀	28.iii-29.iv.85
39. no adults reared				
40. spec.	<i>Rhododendron dahuricum</i>	14,16	2♂,3♀	28.iii-1.iv.8
44. no adults reared				
45. cf <i>monticulella</i> Pupl.	<i>Lonicera ruprechtiana</i>	15	1♀	29.iii.85
46. no adults reared (from 40 larvae!)				
47. near <i>roborella</i>	<i>Quercus mongolica</i>	10,12,14,16	13♂,6♀	23.iii-1.iv.85
48. near <i>ruficapitella</i>	<i>Quercus mongolica</i>	14	1♂	22.iii.85

Total Heilongjiang

48 species

24 species reared (15 *Ectoedemia*, 9 *Stigmella*)

Beijing province

51, 53, 54. No adults reared

Stigmella

55. near <i>paliurella</i>	<i>Zizyphus jujuba</i>	2,18	10♂,12♀	2-4x.84, 10.iv.85
56. near <i>nivenburgensis</i>	<i>Salix babylonica</i>	18	2♂,3♀	13-29.iv.85
57. <i>salicis</i> -group	<i>Salix babylonica</i>	18	2♂,1♀	30.iii-1.iv.85
60-62. no adults reared				
63. <i>malella</i> -group	<i>Rhamnus dahurica</i>	2	6♂,5♀	30.iii-18.iv.8

65. near <i>ulmivora</i> (= sp.36)	<i>Ulmus pumila</i>	18	6♂,3♀	16.iv-6.v.85
66,67. no adults reared				

Total Beijing

19 species

5 species reared (*Stigmella*, all different from Heilongjiang)

Yunnan province - Kunming area

Ectoedemia (s.str.)

68.	<i>Rosa odorata</i>	22	2♂,6♀	10.xi-4.xii.84, 20.iii-1.iv.85
69.	<i>Cyclobalanopsis</i> spp.	22	2♂	20.iii,26.iv.85
70. no adults reared (from 90 larvae!)				
71.	<i>Quercus</i> spp.	34,36	26♂,23♀	5.iii-12.iv.85
72. no adults reared				

Ectoedemia (*Fomoria*)

73.	<i>Hypericum patulum</i>	22,23,25	8♂,4♀	3.xi.84-6.iii.85
-----	--------------------------	----------	-------	------------------

Niepeltia

74.	<i>Toxicodendron grandiflorum</i>	35	1♂	26.iv.85
-----	-----------------------------------	----	----	----------

Genus unknown

75.	<i>Myrsine africana</i>	22,35	147 exx.	9.xi-9.xii.84
76. no adult reared				

Artaversala (= *Johanssonia*)

77.	<i>Polygonum hastatum</i>	22,23	2♂,2♀	30.x.84, 19-21.iii.85
78. no adults reared				

Stigmella

79.	various <i>Rosaceae</i>	23	10♂,10♀	10-19.xi.84
82. no adult reared				

83+84.	Pyrus pashia, Crataegus scabrifolia	22,35	1♂,3♀	19-21.i.85
85.	Pyracantha fortunei	22	13♂,11♀	26.ii-30.iii.85
86. no adults reared				
88.	Campylotropis polyantha	35	1♂	27.ii.85
89. no adult reared				
90.	Populus yunannensis	24	1♂,1♀	25.ii,3.iv.85
91	Myrica nana	22	2♂	10-13.xi.84
92.	Castanopsis orthacantha	22(5-2)	4♂,5♀	9-16.xi.84
93. no adults reared				
94.	Lithocarpus dealbatus	22(2-1)	1♂	28.xi.84
95.	Lithocarpus dealbatus	22(2-2)	2♀	17-22.xi.84
96. no adult reared				
97.	Cyclobalanopsis glaucoides	35	4♂,2♀	13-30.xi.84
98.	Quercus spp.	36	3♂	20.ii-4.iii.85
99. no adults reared				
102.	Fikus tikoua	24	2♂,6♀	19-21.x.84
104-107. no adults reared				
108.	Pieris formosa	22,23	2♂,2♀	10.xi-3.xii.84
109. no adults reared				
110.	Rhododendron spinuliferum	23,35	1♂,1♀	17-27.xi.84
112.	Rheinwardtia indica	23	4♂,14♀	7-14.xi.84
114.	Corylus yunnanensis	35	7♂,11♀	23.ii-2.iv.85

Total Kunming area:

+ 47 species

23 species reared (4 *Ectoedemia*, 3 other genera, 16 *Stigmella*)

Yunnan province: Xishuanbanna

119,130,132,148,151. no adults reared

147.	Ficus semicordata	29	1♂	28.x.84
150.	Zizyphus apetala	29	1♂(damaged)	30.x.84
152.	Zizyphus fungii	28	3♂,3♀(damaged)	24-27.x.84

Hong Kong

164.	leguminosous tree	37	2♀	19.xi.84
------	-------------------	----	----	----------

CONCLUSION

The total number of species reared into the adult stage is now 56, divided as follows: *Ectoedemia* (s.str.): 18 species; *E. (Fomoria)*: 3 species; *Niepeltia*: 1 species; Genus (Trifurculini): 1 species; *Artaversala*: 1 species; *Stigmella*: 34 species. The rearing result for some species has been extremely good: over 50%, but for several species the result was poor or even no adults emerged at all, as for instance in species 46 and 70, despite large numbers of larvae. In general we can conclude that the treatment given to the larvae collected is suitable, since the result is good, compared with collecting and rearing results obtained elsewhere.

From the species collected in the north a considerable number has been described recently or is in course of description by Puplesis, or members of our working group, respectively from the USSR or Japan.

APPENDIX

Other Microlepidoptera reared

species	host	station	number	data
---------	------	---------	--------	------

Tischeriidae - genus *Tischeria*

1. cf <i>ekebladella</i>	<i>Quercus mongolica</i>	9	3	12-23.iv.85
2. cf <i>decidua</i>	<i>Quercus mongolica</i>	12,14	11	26.iii-23.iv.85
3. sp.	<i>Quercus acutissima</i>	35	4	18.ii-19.iii.85
4. sp.	<i>Corylus mandshurica</i>	14	2	30.iii-2.iv.85
5. sp.	<i>Ulmus macrocarpa</i>	14	1	16.iv.85
6. sp.	<i>Malus pumila</i>	24	1	12.ii.85
7. sp.	<i>Crataegus scabrifolia</i>	35	2	2-8.ii.85

Lyonetiidae (s.l.)

Bucculatrix

8.	<i>Sida szechuensis</i>	30	1	7.xi.84
----	-------------------------	----	---	---------

Leucoptera

9. <i>malifoliella</i>	<i>Malus, Crataegus</i>	1	28	2.x.84, 30.iii-10.iv.85
10. cf <i>aceris</i>	<i>Acer ginnala</i>	6	1	5.iv.85
11.	<i>Desmodium esquirolii</i>	29	3	27.x.84
12.	<i>Dalbergia obtusifolia</i>	31	4	1.xi.84

Lyonetia

13.	<i>Prunus duclouxii</i>	24	1	x.84
-----	-------------------------	----	---	------

Genus?

14.	<i>Berchemia yunnanensis</i>	24	31 (partly destroyed)	24.x-2.xi.84
-----	------------------------------	----	-----------------------------	--------------

Genus?

15.	Grewia globosa	18	1	10-11.iv.85
-----	----------------	----	---	-------------

Phyllonorycter

16.	Quercus mongolica	14	1	27.iii.85
17.	Ulmus macrocarpa	14	3	26-28.iii.85
18.	Ulmus pumila	18	4	30.iii-2.iv.85
19.	Lonicera ruprechtiana	14,15	" 2	27-30.iii.85
20.	Rhododendron dahuricum	16	1	12.iv.85
21.	Grewia globosa	18	1	12.x.84

Phyllocnystidae

Phyllocnystis

22.	Piper boehmerifolium	32	1	5.xi.84
-----	----------------------	----	---	---------

Elachistidae

Elachista

23.	Cyrtococcum patens	28	7(5 lost)	19-26.x.84
-----	--------------------	----	-----------	------------

Various microlepidoptera reared from leaf-litter, collected in Jing-Hong t
5 specimens, 24,27,30.x., 7.xi.1984; 18.i.1985.