

A contribution to the butterfly fauna of S. Gansu, China

(Lepidoptera: Papilionoidea, Hesperioidae)

by

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Abstract: A list of 185 species of butterflies collected and observed by the author from S. Gansu is presented. Some interesting species are illustrated.

Southern Gansu Province (Longnan [formerly Wudu]) is located at the northeastern edge of the Tibetan Plateau. It is an area with complicated landform and climate, as well as high biodiversity. It is a mountainous area, with altitude ranging from 550 to 4187 m, in which west Qinling Mts., Dabashan Mts. and Minshan Mts. meet together. A few researches on butterflies of this area have been made, for example, the description of *Ahlbergia hsui* JOHNSON, 2000 and *Araragi panda* HSU & CHOU, 2001, but its butterfly fauna is still poorly known, with the only published work (CAI, 2011) on this issue recently.

To study the butterfly fauna of Longnan area, the author made a collecting trip to Kangxian and Wenxian, two counties of Longnan, in the summer of 2015: June 26th to July 2nd at Kangxian (on June 27th at Heimaguan, June 30th to July 2nd at Qinghe, on other days at a valley near the town), July 5th to July 7th at Wenxian (July 5th to July 6th at Qiujiaba, on July 7th at Bifenggou), on July 8th again at Kangxian (Qinghe). The above mentioned localities are marked on the map (fig. A) and their elevations are as following: Kangxian, 1200 m, Heimaguan, 1400-1600 m, Qinghe, 900-1600 m, Qiujiaba, 2000-2600 m and Bifenggou, 800-1000 m.

List of butterflies collected and observed from S. Gansu

Papilionidae

Papilioninae

1. *Troides aeacus* (C. & R. FELDER, 1860): 1 ♀, Kangxian, 29-VI; observed at Qinghe and Bifenggou.
2. *Byasa confusus* (ROTHSCHILD, 1895): 1 ♀, Kangxian, 27-VI; 1 ♀, Kangxian, 29-VI; observe at Qinghe.
3. *Byasa plutonius* (OBERTHÜR, 1876): 1 ♀, Kangxian, 26-VI.
4. *Byasa impediens* (ROTHSCHILD, 1895): 1 ♀, Kangxian, 29-VI; 1 ♂, 1 ♀, Bifenggou, 7-VII.
5. *Papilio bianor* CRAMER, 1777: 1 ♀, Heimaguan, 27-VI; observed at Qinghe and Bifenggou.
6. *Papilio maackii* MÉNÉTRIÈS, 1859: 1 ♂, Qinghe, 30-VI; 1 ♀, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII.
7. *Papilio paris* LINNAEUS, 1758: Observed at Bifenggou, 7-VII.
8. *Papilio arcturus* WESTWOOD, 1842: 1 ♀, Qiujiaba, 5-VII.
9. *Papilio protenor* CRAMER, [1775]: 1 ♂, Bifenggou, 7-VII; observed at Qinghe.
10. *Papilio memnon* LINNAEUS, 1758: 1 ♂, Bifenggou, 7-VII.
11. *Papilio macilentus* JANSON, 1877: 1 ♀, Qiujiaba, 5-VII.
12. *Papilio nephelus* BOISDUVAL, 1836: 1 ♂, Bifenggou, 7-VII.
13. *Papilio xuthus* LINNAEUS, 1767: Observed at Qinghe and Bifenggou.

Parnassiinae

14. *Butanitis thaidina* (BLANCHARD, 1871): 1 ♂, Qiujiaba, 5-VII.

Pieridae

Coliadinae

15. *Dercas lycorias* (DOUBLEDAY, 1842): 1 ♂, Qinghe, 30-VI.
16. *Colias fieldii* MÉNÉTRIÈS, 1855: 1 ♂, Qinghe, 2-VII; observed at Qiujiaba.
17. *Eurema mandarina* DE L'ORZA, 1869: 1 ♂, Kangxian, 27-VI.
18. *Gonepteryx amynthia* BLANCHARD, 1871: 1 ♂, Kangxian, 30-VI; 1 ♂, Qiujiaba, 6-VII; 1 ♀, Qinghe, 8-VII.

Pierinae

19. *Delias patrua* LEECH, 1890: 1 ♂, Qinghe, 30-VI; 1 ♂, 1 ♀, Qinghe, 1-VII.
20. *Aporia genestieri* (OBERTHÜR, 1902): 1 ♂, Kangxian, 26-VI.
21. *Aporia largeteaui* (OBERTHÜR, 1881): 1 ♂, 1 ♀, Kangxian, 26-VI; 1 ♂, Qinghe, 2-VII.
22. *Aporia oberthueri* (LEECH, 1890): 1 ♂, Qinghe, 30-VI; 1 ♀, Qinghe, 8-VII.
23. *Aporia delavayi* (OBERTHÜR, 1890): 2 ♂♂, Qiujiaba, 6-VII.
24. *Aporia nishimurai* KOIWAYA, 1989 (fig. 15): 3 ♂♂, 3 ♀♀, Qiujiaba, 5-VII; 5 ♂♂, 2 ♀♀, Qiujiaba, 6-VII.
25. *Aporia crataegi* (LINNAEUS, 1758): 1 ♂, Qiujiaba, 6-VII.
26. *Pieris canidia* (LINNAEUS, 1768): Observed at Heimaguan, 27-VI.
27. *Pieris rapae* (LINNAEUS, 1758): Observed at Kangxian.
28. *Pieris erutae* POUJADE, 1888: 1 ♂, 1 ♀, Kangxian, 28-VI.
29. *Pieris extensa* POUJADE, 1888: 1 ♂, Qinghe, 30-VI.
30. *Pieris davidis* OBERTHÜR, 1876 (Fig. 16-17): 2 ♂♂, 1 ♀, Qiujiaba, 6-VII.
31. *Leptidea sinapis* (LINNAEUS, 1758): 2 ♂♂, 1 ♀, Kangxian, 26-VI; 2 ♂♂, Heimaguan, 27-VI; 1 ♀, Kangxian, 29-VI; 1 ♀, Qinghe, 30-VI.

Nymphalidae

Libytheinae

32. *Libythea lepita* MOORE, 1858: Observed at Qinghe, 30-VI - 2-VII.

Satyrinae

33. *Palaeonympha opalina* BUTLER, 1871: 2♂, Kangxian, 26-VI; 1♂, Kangxian, 29-VI.

34. *Penthema adelma* (C. & R. FELDER, 1862): 1♂, Qinghe, 30-VI.

35. *Melanitis phedima* (CRAMER, [1780]): 1♂, Bifenggou, 7-VII.

36. *Ninguta schrenkii* (MÉNÉTRIÈS, 1859): 2♂, Qinghe, 30-VI; observed at Bifenggou.

37. *Neope serica* LEECH, 1892: 1♀, Qinghe, 30-VI; 3♂, Qinghe, 8-VII.

38. *Neope oberthueri* LEECH, 1891: Observed at Qiujiaba, 5-VII.

39. *Neope armandii* (OBERTHÜR, 1876): 1♂, Qiujiaba, 6-VII.

40. *Neope agrestis* (OBERTHÜR, 1876): 2♂, Qiujiaba, 5-VII.

41. *Neope shirozui* KOIWAYA, 1989: 1♂, Qiujiaba, 5-VII, leg. DONG-KAI CHEN (CDK).

42. *Lethe marginalis* MOTSCHULSKY, 1860: 1♂, Qinghe, 8-VII; observed at Bifenggou.

43. *Lethe manzorum* (POUJADE, 1884) (fig. 12): 1♂, Qinghe, 30-VI; 1♂, Qinghe, 1-VII.

44. *Lethe proxima* LEECH, [1892]: 1♂, Qinghe, 30-VI; 1♂, Qinghe, 2-VII; 1♀, Qinghe, 8-VII.

45. *Lethe violaceopicta* (POUJADE, 1884): 1♂, Qinghe, 1-VII.

46. *Lethe christophi* LEECH, 1891: 1♀, Qinghe, 30-VI.

47. *Lethe diana* (BUTLER, 1866): 1♀, Qinghe, 30-VI; 1♂, Qiujiaba, 6-VII.

48. *Lethe oculatissima* (POUJADE, 1885): 1♂, Qinghe, 30-VI; 2♂, Qinghe, 2-VII.

49. *Lethe cyrene* LEECH, 1890: 2♂, Qinghe, 1-VII; 1♂, 1♀, Qinghe, 8-VII.

50. *Lethe albolineata* (POUJADE, 1884): 1♂, Qinghe, 8-VII.

51. *Lethe labyrinthea* LEECH, 1890 (fig. 14): 1♀, Qinghe, 2-VII.

52. *Lethe hayashii* KOIWAYA, 1993: 1♀, Qinghe, 30-VI (CDK).

53. *Lethe liyufei* HUANG, 2014: 1♂, Qinghe, 30-VI; 1♀, Qinghe, 8-VII.

54. *Lethe baucis* LEECH, 1891 (fig. 13): 1♀, Qinghe, 2-VII. **Notes:** The only known ♀ has a markedly narrower whitish band on both sides of forewing than in the ♀ collected from W. Sichuan. On underside of hindwing, the discocellular marking is much closer to antediscal line than to postdiscal line.

55. *Lethe uemurai* (SUGIYAMA, 1994): 9♂, Qiujiaba, 5-VII; 5♂, Qiujiaba, 6-VII.

56. *Lethe yunnana* D'ABRERA, 1990: 1♂, Qiujiaba, 6-VII.

57. *Lopinga catena* LEECH, 1890: 7♂, Qiujiaba, 5-VII; 1♂, Qiujiaba, 6-VII; 1♀, Qinghe, 8-VII.

58. *Tatinga tibetana* (OBERTHÜR, 1876): 1♂, Qiujiaba, 6-VII.

59. *Callarge sagitta* (LEECH, 1890): 2♂, Qinghe, 30-VI; 1♂, Qinghe, 2-VII.

60. *Hemadara rurigena* LEECH, 1890: 1♂, Qinghe, 1-VII; 2♂, Qinghe, 8-VII.

61. *Mandarinia uemurai* SUGIYAMA, 1993: 1♂, Qinghe, 2-VII; 3♂, Qinghe, 8-VII.

62. *Melanargia montana* LEECH, 1890: 1♂, Kangxian, 28-VI; 1♂, Qinghe, 30-VI; 1♂, Qinghe, 1-VII; 3♂, Qinghe, 2-VII; 1♂ Bifenggou, 7-VII; 3♂, Qinghe, 8-VII.

63. *Melanargia meridionalis* C. & R. FELDER, 1862: 2♂, Heimaguan, 27-VI; 1♂, Kangxian, 29-VI.

64. *Aphantopus hyperantus* (LINNAEUS, 1758): 1♂, Qiujiaba, 6-VII.

65. *Aphantopus arvensis* (OBERTHÜR, 1876): 2♂, Qiujiaba, 6-VII.

66. *Ypthima argus* BUTLER, 1866: 1♂, Kangxian, 26-VI; 2♂, 1♀, Kangxian, 29-VI; 1♂, Qinghe, 2-VII; 1♂, Qiujiaba, 6-VII.

67. *Ypthima multistriata* BUTLER, 1883: 1♂, Heimaguan, 27-VI; 4♂, Kangxian, 29-VI.

68. *Ypthima eckweileri* UÉMURA & KOIWAYA, 2001 (fig. 11): 1♂, Heimaguan, 27-VI; 1♂, Kangxian, 29-VI.

69. *Ypthima sinica* UÉMURA & KOIWAYA, 2000: 1♂, Heimaguan, 27-VI; 1♂, Kangxian, 28-VI.

70. *Ypthima pratti* ELWES, 1893: 1♀, Qinghe, 2-VII.

Morphinae

71. *Stichophthalma neumogeni* LEECH, [1892]: 1♂, 1♀, Qinghe, 30-VI; 1♂, Qinghe, 2-VII; 2♂, 1♀, Qinghe, 8-VII; observed at Kangxian, 26-29-VI.

72. *Stichophthalma suffusa* LEECH, 1892: Observed at Bifenggou, 7-VII.

73. *Faunis aerope* (LEECH, 1890): 1♂, 2♀♀, Bifenggou, 7-VII.

Heliconiinae

74. *Acraea issoria* (HÜBNER, 1819): Observed at Qinghe, 1-VII.

75. *Argynnis hyperbius* (LINNAEUS, 1763): Observed at Bifenggou, 7-VII.

76. *Argynnis laodice* (PALLAS, 1771): 4♂, Heimaguan, 27-VI; 1♂, Qinghe, 8-VII.

77. *Argynnis paphia* (LINNAEUS, 1758): 1♂, Qinghe, 30-VI; 1♂, Qiujiaba, 6-VII.

78. *Argynnis childreni* GRAY, 1831: 1♂, Qiujiaba, 6-VII.

79. *Argynnis adippe* (ROTTEMBURG, 1775): 1♂, Qinghe, 30-VI; 1♂, Qinghe, 2-VII.

Nymphalinae

80. *Inachis io* (LINNAEUS, 1758): 1♂, Qiujiaba, 6-VII.

81. *Aglais nixa* (GRUM-GRSHIMAILO, 1890): 1♂, Qiujiaba, 6-VII.

82. *Kaniska canace* (LINNAEUS, 1763): Observed at Qinghe, 30-VI - 2-VII.

83. *Polygonia c-aureum* (LINNAEUS, 1758): Observed at Kangxian, 26-VI.

84. *Polygonia c-album* (LINNAEUS, 1758): 1♂, Qinghe, 30-VI; 1♂, Qinghe, 8-VII.

85. *Vanessa indica* (HERBST, 1794): Observed at Bifenggou, 7-VII.

86. *Araschnia doris* LEECH, 1892: Observed at Qinghe, 30-VI - 2-VII.

87. *Araschnia davidis* POUJADE, 1885: 1♂, Qiujiaba, 5-VII (CDK).

88. *Melitaea protomedia* MÉNÉTRIÈS, 1859: 2♂, Heimaguan, 27-VI.

Apaturinae

89. *Apatura iris* (LINNAEUS, 1758): 1♂, Qinghe, 30-VI; 1♂, Qinghe, 2-VII; 1♂, Qinghe, 8-VII; observed at Qiujiaba, 6-VII.

90. *Apatura laverna* LEECH, 1893: 1 ♂, Qinghe, 1-VII; 1 ♂, 1 ♀, Qinghe, 2-VII.
91. *Mimathyma chevana* (MOORE, 1866): 1 ♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
92. *Mimathyma schrenckii* (MÉNÉTRIÈS, 1859): 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII.
93. *Chitoria ulupi* (DOHERTY, 1889) (fig. 18): 1 ♂, Qinghe, 30-VI; 1 ♀, Qinghe, 1-VII.
94. *Helcyra superba* LEECH, 1890: Observed at Bifenggou, 7-VII.
95. *Sephisa princeps* (FIXSEN, 1887): 1 ♂, Qinghe, 1-VII; observed at Bifenggou, 7-VII.
96. *Sasakia charonda* (HEWITSON, 1862): 2 ♂♂, Qinghe, 30-VI.
97. *Hestina assimilis* (LINNAEUS, 1758): 1 ♂, Qinghe, 30-VI; 1 ♂, 1 ♀, Qinghe, 1-VII; 1 ♀, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
98. *Hestina persimilis* (WESTWOOD, [1850]): 1 ♂, Bifenggou, 7-VII.
99. *Timelaea albescens* (OBERTHÜR, 1886): 1 ♂, Qinghe, 30-VI.
- Cyrestinae
100. *Pseudergolis wedah* (KOLLAR, 1848): 1 ♂, Bifenggou, 7-VII.
101. *Dichorragia nesseus* (GROSE-SMITH, 1893): 2 ♂♂, Qinghe, 30-VI; 1 ♂, Qinghe, 2-VII.
102. *Stibochiona nicea* (GRAY, 1846): 1 ♂, Bifenggou, 7-VII.
- Limenitinae
103. *Chalinga pratti* (LEECH, 1890): 1 ♀, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII; 4 ♂♂, Qinghe, 8-VII.
104. *Euthalia kameii* KOIWAYA, 1996 (fig. 19): 1 ♂, Qinghe, 1-VII.
105. *Euthalia kardama* (MOORE, 1859): 1 ♂, Bifenggou, 7-VII.
106. *Abrota ganga* MOORE, 1857: 1 ♀, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII.
107. *Limenitis sulpitia* (CRAMER, 1779): 1 ♂, Kangxian, 26-VI.
108. *Limenitis homeyeri* TANCRÉ, 1881: 3 ♂♂, 1 ♀, Qinghe, 30-VI.
109. *Limenitis helmanni* LEDERER, 1853: 1 ♂, Kangxian, 29-VI.
110. *Limenitis doerriesi* STAUDINGER, 1892: Observed at Qinghe, 30-VI.
111. *Limenitis disjuncta* LEECH, 1890: 1 ♂, Qinghe, 30-VI.
112. *Limenitis moltrechti* KARDAKOV, 1928: 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 8-VII.
113. *Limenitis cleophas* OBERTHÜR, 1893: 2 ♂♂, Qinghe, 30-VI; 1 ♂, Qinghe, 2-VII.
114. *Limenitis ciocolatina* POUJADE, 1885: 2 ♂♂, Qinghe, 30-VI; 2 ♂♂, Qinghe, 1-VII.
115. *Limenitis populi* (LINNAEUS, 1758): 1 ♂, Qiujiaba, 6-VII.
116. *Limenitis mimica* POUJADE, 1885: 1 ♂, Qinghe, 30-VI; observed at Qiujiaba, 6-VII.
117. *Patsuia sinensium* (OBERTHÜR, 1876): 3 ♀♀, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII; 1 ♂, Qiujiaba, 5-VII; 3 ♂♂, Qiujiaba, 6-VII.
118. *Parasarpa albomaculata* (LEECH, 1891): 1 ♂, Qinghe, 30-VI; 2 ♂♂, Qinghe, 1-VII.
119. *Athyra opalina* (KOLLAR, [1844]): Observed at Qinghe, 30-VI.
120. *Neptis soma* MOORE, 1858: 1 ♂, Qinghe, 2-VII.
121. *Neptis mahendra* MOORE, 1872: 1 ♂, Qiujiaba, 6-VII.
122. *Neptis rivularis* (SCOPOLI, 1763): 1 ♂, Heimaguan, 27-VI; 1 ♂, Kangxian, 27-VI. 1 ♂, Kangxian, 28-VI; 1 ♂, Kangxian, 29-VI; 2 ♂♂, Qinghe, 2-VII.
123. *Neptis sankara* (KOLLAR, 1844): 1 ♂, Qinghe, 1-VII.
124. *Neptis armandia* (OBERTHÜR, 1876): 1 ♂, Kangxian, 26-VI; 1 ♂, Kangxian, 29-VI; 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII.
125. *Neptis nemorosa* OBERTHÜR, 1906: 1 ♂, Kangxian, 26-VI; 1 ♂, Qinghe, 8-VII.
126. *Neptis beroe* LEECH, 1890: 1 ♀, Qinghe, 2-VII.
127. *Neptis themis* LEECH, 1890: 1 ♂, 1 ♀, Qinghe, 30-VI; 1 ♂, 1 ♀, Qinghe, 2-VII.
128. *Neptis thisbe* MÉNÉTRIÈS, 1859: 1 ♂, Qinghe, 30-VI; 1 ♂, Qiujiaba, 5-VII.
129. *Neptis cydippe* LEECH, 1890: 1 ♂, Kangxian, 28-VI; 2 ♂♂, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII.
130. *Neptis sappho* (PALLAS, 1771): 1 ♂, Kangxian, 26-VI.
131. *Neptis andetria* FRUHSTORFER, 1912: 2 ♂♂, Kangxian, 27-VI; 1 ♂, Kangxian, 28-VI.
132. *Phaedyma chinga* ELIOT, 1969: 1 ♂, Qinghe, 1-VII; 1 ♂, 1 ♀, Qinghe, 8-VII.
- Lycaenidae
- Theclinae
133. *Protantigius superans* (OBERTHÜR, 1914): 1 ♂, Qinghe, 30-VI.
134. *Araragi enthea* (JANSON, 1877): 1 ♂, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII; 2 ♂♂, 1 ♀, Qinghe, 8-VII.
135. *Araragi sugiyamai* MATSUI, 1989: 3 ♂♂, 2 ♀♀, Qinghe, 1-VII; 1 ♀, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
136. *Araragi panda* HSU & CHOU, 2001 (fig. 5-6): 3 ♂♂, 2 ♀♀, Qinghe, 1-VII.
137. *Gonerilia kitawakii* (KOIWAYA, 1993): 1 ♂, Kangxian, 26-VI; 2 ♂♂, Qinghe, 30-VI.
138. *Gonerilia thespis* (LEECH, 1890): 1 ♂, Qinghe, 1-VII.
139. *Japonica lutea* (HEWITSON, 1865): 3 ♂♂, Qinghe, 1-VII.
140. *Chrysozephyrus brilliantinus* (STAUDINGER, 1887) (fig. 7): 4 ♂♂, Qinghe, 30-VI; 2 ♂♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
141. *Chrysozephyrus kimurai* KOIWAYA, 2002 (fig. 9): 1 ♂, Qinghe, 30-VI.
142. *Chrysozephyrus okamurae* KOIWAYA, 2000 (fig. 8): 1 ♂, Qinghe, 8-VII.
143. *Favonius orientalis* (MURRAY, 1875): 2 ♂♂, Qinghe, 30-VI; 1 ♂, Qinghe, 8-VII.
144. *Favonius leechi* (RILEY, 1939): 1 ♂, Kangxian, 26-VI; 1 ♂, Kangxian, 29-VI; 2 ♂♂, Qinghe, 30-VI; 3 ♂♂, Qinghe,

- 1-VII; 3 ♂♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
145. *Favonius taxila* (BREMER, 1861): 1 ♂, Qinghe, 30-VI; 2 ♂♂, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.
146. *Favonius korshunovi* DUBATOLOV & SERGEYEV, 1982: 12 ♂♂, 1 ♀, Qinghe, 1-VII; 2 ♂♂, Qinghe, 8-VII.
147. *Rapala micans* (BREMER & GREY, 1853): 1 ♀, Qinghe, 30-VI.
148. *Rapala caerulea* (BREMER & GREY, [1851]): 1 ♀, Qinghe, 8-VII.
149. *Sinithusa chandana* (MOORE, 1882): 2 ♂♂, Bifenggou, 7-VII.
150. *Ahlbergia frivaldszkyi* (LEDERER, 1855) (fig. 3): 2 ♀♀, Kangxian, 26-VI; 2 ♀♀, Kangxian, 29-VI; 1 ♀, Qiujiaba, 6-VII.
151. *Satyrium pruinaoides* (STAUDINGER, 1887): 3 ♂♂, 2 ♀♀, Kangxian, 26-VI; 1 ♂, Kangxian, 27-VI; 2 ♂♂, 1 ♀, Kangxian, 29-VI.
152. *Satyrium inflammata* (ALPHÉRAKY, 1889): 2 ♂♂, 2 ♀♀, Kangxian, 26-VI; 2 ♀♀, Kangxian, 28-VI; 3 ♂♂, Kangxian, 29-VI.
153. *Satyrium percomis* (LEECH, 1894): 1 ♂, Qinghe, 30-VI; 1 ♀, Qinghe, 1-VII.
154. *Satyrium w-album* (KNOCH, 1872): 1 ♀, Qinghe, 1-VII.
155. *Satyrium tshikolovetsi* BOZANO, 2015 (fig. 4): 4 ♂♂, 7 ♀♀, Qinghe, 30-VI; 1 ♀, Qinghe, 1-VII; 1 ♀, Qinghe, 2-VII.

Lycaeninae

156. *Heliophorus saphir* (BLANCHARD, 1871): 1 ♂, Kangxian, 26-VI; 2 ♂♂, 1 ♀, Qinghe, 30-VI; observed at Bifenggou, 7-VII.
 Polyommatainae

157. *Orthomiella pontis* (ELWES, 1887): 1 ♀, Qinghe, 1-VII.

158. *Pseudozizeeria maha* (KOLLAR, [1844]): 1 ♀, Qinghe, 2-VII.

159. *Everes argiades* (PALLAS, 1771): 1 ♂, Kangxian, 26-VI; observed at Qinghe and Bifenggou.

160. *Tongeia davidi* (POUJADE, 1884): 3 ♂♂, 1 ♀, Bifenggou, 7-VII.

161. *Tongeia potanini* (ALPHÉRAKY, 1889): 1 ♂, Bifenggou, 7-VII.

162. *Udara dilecta* (MOORE, 1879): 1 ♂, Qinghe, 1-VII.

163. *Celastrina argiolus* (LINNAEUS, 1758): 1 ♂, 1 ♀, Qinghe, 1-VII; 1 ♂, Bifenggou, 7-VII.

164. *Phengaris albida* LEECH, [1893] (fig. 10): 1 ♂, Qinghe, 2-VII.

165. *Scolitantides orion* (PALLAS, 1771): 1 ♂, Kangxian, 29-VI; observed at Qinghe, 30-VI.

166. *Polyommatus amorata* (ALPHÉRAKY, 1897): 1 ♀, Kangxian, 26-VI.

Riodinidae

167. *Takashia nana* (LEECH, 1893): 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.

168. *Zemeros fleygas* (CRAMER, [1780]): 1 ♂, Bifenggou, 7-VII.

Hesperiidae

Coeliadinae

169. *Choaspes benjaminii* (GUÉRIN-MÉNEVILLE, 1843): Observed at Bifenggou, 7-VII.

Pyrginae

170. *Lobocla bifasciatus* (BREMER & GREY, 1853): 2 ♂♂, Heimaguan, 27-VI.

171. *Abraximorpha davidi* (MABILLE, 1876): Observed at Bifenggou, 7-VII.

172. *Pseudocoladenia dea* (LEECH, 1894): 1 ♂, Qinghe, 1-VII.

173. *Celaenorhinus maculosa* (C. & R. FELDER, [1867]): 2 ♂♂, Bifenggou, 7-VII.

174. *Satarupa nymphalis* (SPEYER, 1879): 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 1-VII.

175. *Daimio tethys* (MÉNÉTRIÈS, 1857): Observed at Bifenggou, 7-VII.

Hesperiinae

176. *Sovia lii* XUE, 2015 (fig. 2): 3 ♂♂, Qinghe, 30-VI; 3 ♂♂, 1 ♀, Qinghe, 1-VII; 1 ♂, Qinghe, 2-VII.

177. *Thoressa submacula* (LEECH, 1890): 1 ♂, Qinghe, 30-VI; 1 ♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII.

178. *Thoressa gupta* (DE NICÉVILLE, 1886): 1 ♂, Qinghe, 30-VI; 2 ♀♀, Qinghe, 2-VII.

179. *Scobura masutarai* SUGIYAMA, 1996 (fig. 1): 1 ♀, Qinghe, 30-VI; 1 ♂, 1 ♀, Qinghe, 1-VII.

180. *Lotongus saralus* (DE NICÉVILLE, 1889): 1 ♂, Bifenggou, 7-VII.

181. *Potanthus flavus* (MURRAY, 1875): 2 ♂♂, Qinghe, 1-VII.

182. *Ochlodes ochracea* (BREMER, 1861): 1 ♀, Qinghe, 1-VII; 3 ♀♀, Qinghe, 2-VII.

183. *Ochlodes subhyalina* (BREMER & GREY, 1853): 1 ♂, Kangxian, 29-VI; 1 ♂, Bifenggou, 7-VII.

184. *Ochlodes similis* (LEECH, 1893): 2 ♂♂, Qiujiaba, 5-VII; 1 ♀, Qiujiaba, 6-VII.

185. *Thymelicus leonina* (BUTLER, 1878): 1 ♂, Heimaguan, 27-VI; 2 ♂♂, Kangxian, 27-VI; 1 ♂, Kangxian, 28-VI; 1 ♂, Kangxian, 29-VI; 1 ♂, Qinghe, 2-VII; 1 ♂, Qinghe, 8-VII; observed at Bifenggou, 7-VII.

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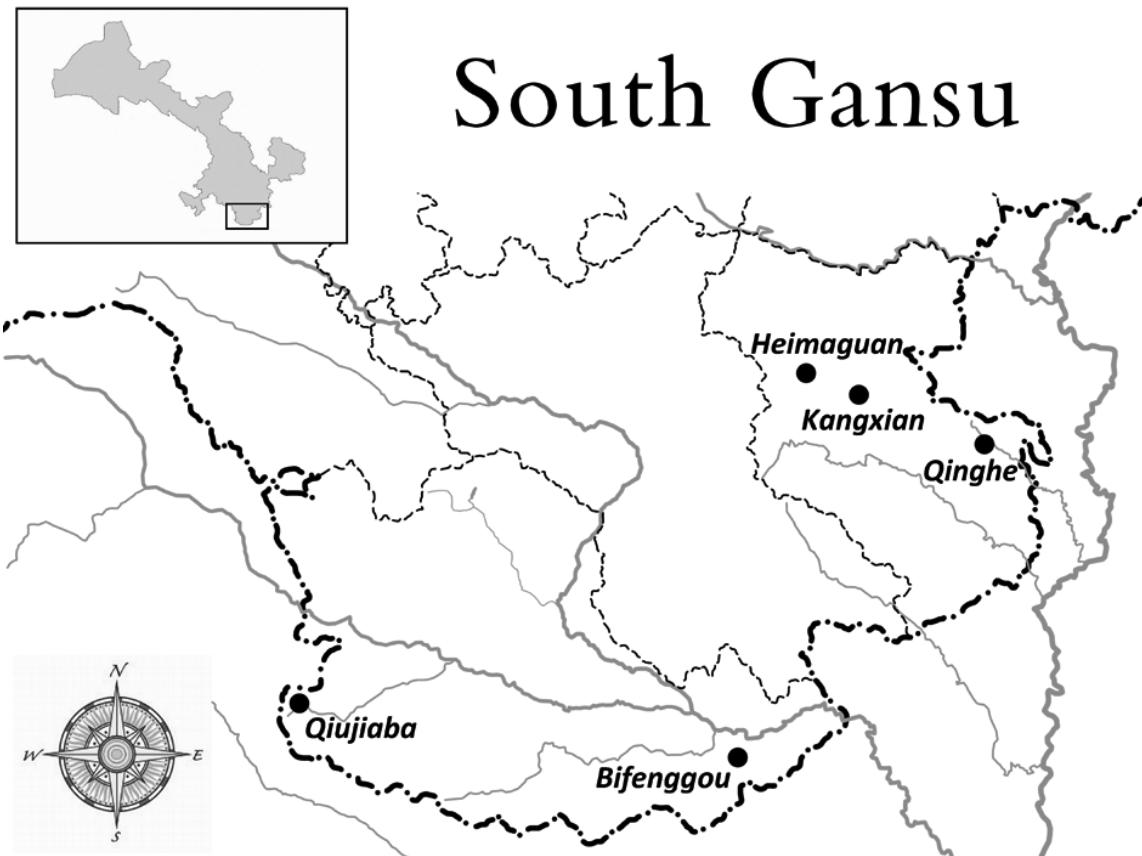


Fig. A: Map of S. Gansu.



Fig. 1: *Scobura masutarai* SUGIYAMA, 1996, ♀, Qinghe. **Fig. 2:** *Sovia lii* XUE, 2015, ♂, Qinghe. **Fig. 3:** *Ahlbergia frivaldszkyi* (LEDERER, 1855), ♀, Kangxian. **Fig. 4:** *Satyrium tshikolovetsi* BOZANO, 2015, ♀, Qinghe. **Fig. 5** (♂), **6** (♀): *Araragi panda* HSU & CHOU, 2001. **Fig. 7:** *Chrysozephyrus brillantinus* (STAUDINGER, 1887), ♂. **Fig. 8:** *Chrysozephyrus okamurai* KOIWAYA, 2000, ♂, Qinghe. **Fig. 9:** *Chrysozephyrus kimurai* KOIWAYA, 2002, ♂, Qinghe. **Fig. 10:** *Phengaris albida* LEECH, [1893], ♂, Qinghe. **Fig. 11:** *Ypthima eckweileri* UÉMURA & KOIWAYA, 2001, ♂, Heimaguan. **Fig. 12:** *Lethe manzorum* (POUJADE, 1884), ♂, Qinghe. **Fig. 13:** *Lethe baucis* LEECH, 1891, ♀, Qinghe. **Fig. 14:** *Lethe labyrinthaea* LEECH, 1890, ♀, Qinghe. **Fig. 15:** *Aporia nishimurai* KOIWAYA, 1989, ♀, Qiujiaba. **Fig. 16** (♂), **17** (♀): *Pieris davidis* OBERTHÜR, 1876, Qiujiaba. **Fig. 18:** *Chitoria ulupi* (DOHERTY, 1889), ♂, Qinghe. **Fig. 19:** *Euthalia kameii* KOIWAYA, 1996, ♂, Qinghe.

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