



PHOTO CONTEST – 1995

BUTTERFLIES.– 1) 2nd Prize: *Pharmacophagus antenor* (Papilionidae), Madagascar (JK). 2) 1st Prize: *Vanessa virginiensis* (Nymphalidae), Florida (USA) (JCD). 3) 3rd Prize: *Celastrina ladon* (Lycaenidae), Florida (USA) (JCD).

MOTHS.– 4) 1st Prize: *Antheraea suraka* (Saturniidae) Madagascar (KLW). 5) 3rd Prize (tie): *Titaea lemoulti* (Saturniidae) Ecuador (KLW). 9) 2nd Prize: *Copaxa multifenestrata* (Saturniidae) Mexico (KLW). 10) 3rd Prize (tie): *Agapema galbina* (Saturniidae) Mexico (KLW).

IMMATURES.– 6) 1st Prize (tie): *Syssphinx molina* (Saturniidae) Mexico (KLW). 7) 2nd Prize: *Automeris curvilineata* (Saturniidae) French Guiana (KLW). 8) 1st Prize (tie)/Grand Prize: *Eupackardia calleta* (Saturniidae) Honduras (KLW). 11) 3rd Prize (tie): *Pseudosphinx tetrio* (Sphingidae) Peru (JK); (back cover) 3rd Prize (tie).

JCD, J. C. Daniels; JK, J. Kuhn; KLW, K. L. Wolfe

NEOTROPICAL PAPILIONIDAE AND PIERIDAE IN PHOTOGRAPHY

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ABSTRACT.— Presented here is a small sample of 33 photographs from life of 29 species of Neotropical Papilionidae and Pieridae from Brazil, Costa Rica, Ecuador, Mexico, Peru and Venezuela, mostly photographed on Emmel-Holbrook butterfly expeditions within the last 11 years.

KEYWORDS: *Agrias*, *Appias*, *Anteos*, *Archonias*, *Ascia*, *Battus*, Brazil, *Coniza*, Costa Rica, *Dismorphia*, Ecuador, *Enantia*, *Eurytides*, *Itaballia*, *Heraclides*, *Leptophobia*, *Lieinix*, Mexico, *Mimoides*, *Morpho*, Nymphalidae, *Papilio*, *Parides*, *Phoebis*, *Perrhybris*, Peru, *Pieriballia*, Venezuela.

In this short photo essay, I present several representatives of Neotropical Papilionidae and Pieridae as a small sample of their diversity. Contrary to common expectation, because of their large size and restless behavior, Papilionidae are not the easiest photographic subjects. It is not always easy to have all the parts of the butterfly within the range of optimal sharpness. The genus *Parides* is especially notorious because of its high activity when on flowers. Pieridae are more easily photographed, but the white color of some species often causes unnecessary high contrast with the background, making the butterfly appear darker than it really is. Actually, the white color sometimes "betrays" the camera and flash synchronization, as well as automatic metering systems, often resulting in underexposed pictures because the flash emits less light than it actually should. One should always try to avoid photographing white Pieridae while these are directly illuminated by the sun. The majority of butterfly photographers, when working in the jungle, usually go after the "jewels" presenting vivid colors (*Agrias*, *Morpho*, nymphalids, riodinids, etc.) which often results in the fact that Pieridae are underrepresented in pictures taken. Having this in mind, I would like to present the "less attractive" species in this photo essay.

PLATE 1

1. *Parides phosphorus* (Bates), 10 Nov 89, Rondônia, Brazil.
2. *Eurytides (Protographium) agesilaus autosilaus* (Bates), 22 Apr 92, Rondônia, Brazil.
3. *Parides neophilus ecbolius* (Rothschild & Jordan), 17 Mar 91, Rondônia, Brazil.
4. *Parides iphidamas calogyna* (Rothschild & Jordan), 11 May 90, Tinalandia, Pichincha, Ecuador.
5. *Papilio (Heraclides) astyalus astyalus* Godart ♂, 13 Mar 84, Joinville, S.E. Brazil.
6. *Papilio (Heraclides) astyalus astyalus* Godart ♀, 12 Mar 84, São Bento do Sul, S.E. Brazil.

PLATE 2

7. *Papilio (Heraclides) cresphontes* Cramer, 6 Aug 94, Seneca, Maryland, USA (also occurs in Neotropics).
8. *Papilio (Heraclides) thoas cinyras* (Ménétrières), 23 Mar 91, Rondônia, Brazil.
9. *Battus polydamas* (Linnaeus), 28 Feb 88, Puerto Vallarta, Mexico.

10. *Papilio (Heraclides) astyalus hippomedon* Felder & Felder, 28 Jun 84, San Isidro, Venezuela.
11. *Papilio (Heraclides) torquatus* Cramer, 22 Apr 92, Rondônia, Brazil.
12. *Eurytides (Mimoides) trapeza* Rothschild & Jordan, 21 Jul 89, Explorama Inn, Loreto, Peru.
13. *Parides iphidamas* (Fabricius), 16 May 85, Turrialba, Costa Rica.

PLATE 3

14. *Archonias tereas* (Godart), 6 May 90, Tinalandia, Pichincha, Ecuador.
15. *Archonias tereas* (Godart), 6 May 90, Tinalandia, Pichincha, Ecuador.
16. *Lieinix cinerascens* (Salvin), 19 May 85, Monte Verde, Costa Rica.
17. *Dismorphia theucharila* Doubleday, 10 May 90, Tinalandia, Pichincha, Ecuador.
18. *Phoebis argante* (Fabricius), 22 Apr 1992, Rondônia, Brazil.
19. *Appias drusilla* (Cramer), 7 Nov 89, Rondônia, Brazil.
20. *Enantia melite* (Linnaeus), 8 Nov 89, Rondônia, Brazil.

PLATE 4

21. *Anteos menippe* (Hübner), 6 Nov 89, Rondônia, Brazil.
22. *Phoebis rurina* (Felder & Felder), 19 May 85, Monte Verde, Costa Rica.
23. *Leptophobia caesia tenuicornis* Butler & Druce, 12 May 85, Poas, Costa Rica.
24. *Coniza hirlanda* (Stoll), 17 Apr 92, Rondônia, Brazil.
25. *Leptophobia penthica* (Kollar), 11 May 90, Tinalandia, Pichincha, Ecuador.
26. *Itaballia demophile* (Linnaeus) (left); *Ascia buniae* (Hübner) (right), 9 Nov 89, Rondônia, Brazil.

PLATE 5

27. *Itaballia demophile* (Linnaeus) (left); *Ascia (Ganyra) phaloe* (Godart) (center); *Appias drusilla* (Cramer) (right), 23 Apr 92, Rondônia, Brazil.
28. *Ascia (Ganyra) phaloe* (Godart), 22 Mar 91, Rondônia, Brazil.
29. *Itaballia marana* (Doubleday), 8 May 90, Tinalandia, Pichincha, Ecuador.
30. *Itaballia marana* (Doubleday), 8 May 90, Tinalandia, Pichincha, Ecuador.
31. *Perrhybris pamela* (Stoll), 17 Mar 91, Rondônia, Brazil.
32. *Pieriballia viardi* Boisduval, 19 Feb 88, Puerto Vallarta, Mexico.
33. *Pieriballia viardi* (Boisduval), 19 May 85, Monte Verde, Costa Rica.



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25. *Leotophobia penthica* (Kollar).

22. *Phoebis rurina* (Felder & Felder).

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26. *Itaballia demophile* (Linnaeus) (left); *Ascia buniae* (Hübner) (right).



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 29. *Itaballia marana* (Doubleday).
 32. *Pieriballia viardi* Boisduval.

28. *Ascia (Ganyra) phaloe* (Godart).
 31. *Perrhybris pamea* (Stoll).

30. *Itaballia marana* (Doubleday).
 33. *Pieriballia viardi* (Boisduval).

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