AN ANNOTATED LIST OF THE HESPERIIDAE OF EL SALVADOR

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INTRODUCTION

Six years (1967-1973) of collecting and studying butterflies in El Salvador indicated an unexpectedly rich fauna for such a small, densely populated country. Published information on the fauna of El Salvador is scarce; that of Lepidoptera especially so. In discussions with other local collectors, principally Miguel and Francisco Serrano, we decided to summarize what was known and publish the data as lists of the different families of Rhopalocera; the Serranos to work with the Papilionoidea and I the Hesperioidea. To date this has resulted in the publication of an illustrated and keyed list of the Papilionidae (Serrano & Serrano, 1972) and descriptions of new species of Hesperiidae and Nymphalidae with notes on others (Steinhauser, 1972, 1974).

The principal general sources consulted were Godman & Salvin (1879-1901), Draudt (in Seitz, 1921-1924) and Evans (1951, 1952, 1953, 1955). Godman & Salvin generally mentioned specific localities for the material they studied, but referred to El Salvador for only one species of Hesperiidae. Draudt gave geographic ranges rather than specific localities and I found no references to El Salvador. Evans, who carefully recorded type localities and country of origin for all material in the British Museum (Natural History), was the principal source for published records. I did not have access to most of the works of Lindsey, Skinner, Williams and Bell, thus any El Salvador records they may contain unfortunately are not included. Any information on geographic distribution which might be available from Godman and Salvin and from Hoffman's (1940-1941) list of the butterflies of Mexico is not included as I do not have these publications on hand as this is written.

The first published reference to skippers of El Salvador appears to have been by Bailey (1880) with his description of Celaenorrhinus fritzgaertneri from Loma Larga near San Miguel, which is the only species mentioned from El Salvador by Godman & Salvin. The next published records are in Evans' catalogue. Volume 1 (1951), Pyrrhopyginae, contains no El Salvador records. Volume 2 (1952) and Volume 3 (1953), Pyrginae, list 46 new records from BMNH material. Franz & Schröder (1954) published a list of the species in a small collection of El Salvador
butterflies that included 23 species of Pyrginae, at least one of which is a probable mis-identification, impossible to re-assign. This added 8 new Pyrginae records. They also list 10 species of Hesperini of which one is extremely doubtful, leaving 9 new Hesperini records. Volume 4 (1955) of Evans’ catalogue added 6 more Hesperini records. Three Pyrginae were added by Steinhauser (1972) and 8 Pyrginae and 10 Hesperini (1974), bringing the total Hesperidae record for El Salvador to 91 (66 Pyrginae and 25 Hesperinae).

COMPILATION

The sources of the material used are the published references mentioned above plus various collections of El Salvador skippers. Undoubtedly a great wealth of additional material exists in museums and private collections, but the task of assembling even a fraction of this is formidable and remains for the future. All of the determinations except for BMNH material and the Franz & Schröder collection were made by me except as otherwise noted. Any errors are my full responsibility.

For each species, immediately following the name, the total number of examples known from El Salvador is shown in parentheses. Following this is a statement of approximate geographic range. Unless otherwise noted, this is based on Evans (1951, 1952, 1953, 1955), Draudt (1921 - 1924) and/or Dos Passos (1964). For species described after 1955, it is obvious that distribution data must come from the publication in which the insect was described and no additional reference to it is made. Observed food plant association is given where possible based on El Salvador observations. Habits, biological notes, systematic notes and various peculiarities are noted if considered of interest. Capture records are listed by months for each locality, brief descriptions of which are given following the list. To note complete data (specific date and collector) would be too voluminous. Material from sources other than the Steinhauser collection are followed by appropriate identifying abbreviations which are listed below.

I have reversed the normal procedure for earmarking new records. As 68% of the entries are new records, only previous records are earmarked: ** for Bailey, * for Evans, + for Franz & Schröder and # for Steinhauser. Queried (?) entries are doubtful records not included in the totals.

Listed below are the collections which supplied the source material, their identifying abbreviations and comments on contributors:

AM - Allyn Museum of Entomology. This refers only to material on hand prior to accession of the Steinhauser collection. The Hesperidae had not been arranged when I was in Sarasota and only 4 El Salvador specimens are included in the list.
BMNH - British Museum (Natural History) as determined and catalogued by Evans.
B - Bailey (1880). I have included the 12 specimens of unknown sex which comprise the type series of C. fritzgaertneri. Their present location is not known.
FS - The collection reported on by Franz & Schröder (1954). Presumably the determinations were by the authors.
MS - Miguel and Francisco Serrano; collected mostly by them from 1957 to 1973.
U - University of El Salvador; collected mostly by Victor Hellebuyck and Francisco Serrano with contributions from various students and a few specimens salvaged from older collections (Edward Fischer and Rex J. Bartges).
VH - Victor Hellebuyck; collected by him.
RB - Richard Bosse; collected by him.
SLS - Stephen R. and Levona M. Steinhauser. Except for 10 specimens contributed by Victor Hellebuyck, Alberto Myushondt and T. R. Manley, all were collected by the author and his wife. More than 99% of this collection is now in the Allyn Museum. These initials are used only in the Summary of Material Used; entries not otherwise classified are from the Steinhauser collection.
SUMMARY OF MATERIAL USED

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* Of this total, 272 remain undetermined: 75% of the Urbanus proteus complex; 1♂ Astraptes (?) sp. from the Franz & Schröder list; 52 undetermined specimens, mostly females of the Pyrginae “E” Group in the Steinhauer collection; 1♂ Psoralis (?) sp. (Hesperinae) SLS; 1♂ Tigasis (?) sp. MS; 2♂ Mellana sp. SLS; 140 assorted Hesperinae of the “J, K, L” Groups (137 SLS, 1 FS, 1 MS, 1 VH). It should be noted that a large portion of the Steinhauer collection was still in papers when these data were compiled, explaining the large amount of undetermined material.

PYRRHOPYGINAE

* Elbella scylla scylla (Menétris, 1855). (1♂ 1♀). Range Mexico to Nicaragua. Hindwing is narrowly white before fringe, trending toward the subspecies dulcinea (Plotz, 1879). Female perches beneath leaves with wings flat; male not observed. San Salvador 1♀ Mar (MS), La Libertad 1♀ Nov.
  E. patrobas patrobas (Hewitson, 1857). (1♂). Range Guatemala to Colombia. No data 1♂ (MS).
  Myscelus amystis hages Godman & Salvin, 1893. (2♂ 1♀). Range Mexico to Panama. Los Chorros 1♂ Mar (MS), 1♂ Dec (MS), La Libertad 1♀ Nov.

PYRGINAЕ

* Phocides polybius lilea (Reakirt, 1866). (4♂ 5♀). Range Texas to Costa Rica. Santa Tecla 1♀ June, 1♂ July, 1♂ Oct; San Salvador 1♀ July (VH), 1♀ Aug (MS), 1♂ Nov (MS), 1♂ Dec (U); Ilopango 1♀ Feb (VH); Ataco 1♂ Aug.
  P. pigmalion belus Godman & Salvin, 1893. (4♂ 7♀). Evans (1952) shows 6 subspecies, 3 of which apply to Central and South American forms: belus from Mexico, pigmalion (Cramer, 1779) from Guatemala to Venezuela and hewitsonius Mahille, 1883 from Venezuela to Argentina. Belus has very broad forewing hyaline markings, pigmalion very narrow and hewitsonius medium. El Salvador specimens are quite variable, but mostly approach belus, indicating a rather peculiar geographical
distribution for the subspecies if it is not indeed a valid species. The entire *pigmalion* complex needs detailed study and review. Meanwhile El Salvador examples are tentatively placed in  *belus*. Food plant *Terminalia catappa* (Combretaceae). San Salvador Jan (VH), 1 Feb (U), 10 Mar (VH), 19 Apr; Santa Tecla 10 Jan, 10 May; La Libertad 10 May; Cerro Verde 10 Aug; Los Chorros 10 Jul; Ilopango 10 Feb (VH); Hda. La Carrera 10 May; La Perla 10 Jan; La Libertad 10 May; Los Chorros 10 Jul; Ilopango 10 Feb (VH); Hda. Montecristo 10 May; Cerro Verde 10 Aug; Los Chorros 10 July, 10 Nov.

*P. urania urania* (Westwood, 1852). (275 112). Range USA to El Salvador. This is apparently a high altitude insect as it has been found in El Salvador only above 1800 m. Hda. Montecristo 25 Jan (U), 25 Feb, 21 May 26 Mar (43 VH, 13 MS), 15 Aug 9 May; Cerro Verde 22 4 Aug.

+ *Phanus vitreus* (Stoll, 1781). (82 102). Range Mexico to Paraguay. Perches with wings semi-closed when feeding on flowers; rests beneath leaves with wings flat. Some males have white scaling at apex of upper forewing. San Salvador 21 Jul (MS); Santa Tecla 23 3 July, 24 2 Aug, 27 Sept; Cerro Las Pávies 2 Aug (MS); Cojutepeque 15 Jul; Cerro San Jacinto 15 Nov; Tamanique 15 Aug.


+ *Heteides mercurius mercurius* (Fabricius, 1775). (15 22). Range USA to Argentina. San Salvador 1 Nov. (MS); Hda. La Carrera 15 Jul; Santa Tecla 1 Aug; La Libertad 15 Nov.

*Epargyreus socus orizaba* Scudder, 1872. (25 22). Range Mexico to El Salvador. As Monroe & Miller (1967) say, “The species in this group are poorly understood.” All the examples known from El Salvador belong in that part of the *exadeus* complex without an additional dorsal spine to the clasp, namely *socus* and *exadeus* with their various subspecies, *nutra* and *aspina*. The great bulk of Salvadorean *Epargyreus* fit roughly into Evans’ *cruza* with much individual variation. The arrangement (spot in 2 overlapping cell spot) and the orange color of the forewing spots, the genitalia and the character of the under hindwing white spot place these high altitude specimens clearly as *orizaba*. All 3 specimens collected by V. Hellebuyck. Cerro Cacaguatique 23 Mar (12 VH); Hda. Montecristo 18 Mar (U).

+ *E. exadeus cruza* Evans, 1952. (145 665). These all key out to *cruza* Evans, but needed revisionary work on the *exadeus* complex may result in some different determinations. Food plant Leguminosae “madre de cacao”. The relative seasonal abundance is more or less reflected in the monthly captures shown below. San Salvador 10 no date (RB), 23 April (1 RB, 1 FS), 8 July (FS), 23 1 Aug (FS), 2 1 Aug (FS), 2 Oct (FS), 12 Sept (U), 12 Nov (U); Santa Tecla 12 Jan, 12 Mar, 12 April, 12 May, 12 June, 23 12 July, 32 5 Aug, 27 Sept, 3 Oct, 1 Nov, 2 Dec; Sta. Tecla-Comasagua Rd. 4 1 Sept; Cerro San Jacinto 23 12 Jan, 12 Dec; Los Chorros 15 Mar (VH), 23 Sept (MS), 19 Oct (VH), 1 Nov (VH); Quezaltepeque 15 Feb (U); San Isidro 15 July; Rio El Molino 4 4 April, 3 May; La Libertad 15 Feb; Hda. Montecristo 25 Mar; no data available 15 (BMNH).

+ *P. manueli manueli* Bell & Comstock, 1948. (16). Range Florida to Argentina. The Dos Passos check list (1964) indicates *arizonensis* (Shumer, 1911) as the US subspecies. Evans considered *arizonensis* a synonym of *leo*. Dos Passos lists *pallida* Röber, 1925 as a synonym of *arizonensis*, but the type locality of *pallida* is Peru. Evans considered *pallida* a synonym of *leo*. I have followed Evans. The insect frequents shaded undergrowth areas and spends much time resting on tree trunks, beneath leaves and on rocks and overhanging gully banks with wings together. La Libertad 25 1 Jan, 19 Feb (U), 12 6 Nov, 1 Nov, 12 Dec; La Perla 13 Jan, 15 1 Dec; Santa Tecla 4 12 July; Los Chorros 12 Nov (VH); Agua Caliente 13 Feb; No data available 15 (BMNH).

+ *Chiodes catillus albofasciatus* (Hewitson, 1867). (14 12). Range USA to...
Colombia. San Salvador 1Jan Aug (MS), 13 Dec (MS); San Miguel 13 June (U); Los Chorros 25 12 Dec (13 U); Santa Tecla 13 April; San Isidro 25 Jan, 25 Dec; La Perla 13 Dec; Ilopango 13 Jan; Rio El Molino 13 May; No data available 13 (BMNH).

C. zilpa zilpa (Butler, 1874). (12 32). Range Mexico (Guerrero) to Ecuador. Evans (1952) indicates namba as a synonym, apparently having overlooked this name. San Salvador 13 Sept (MS); Ilopango 13 July; Cerro San Jacinto 13 Jan; Los Chorros 13 Feb, 13 April (U), 13 June (MS); Santa Tecla 13 June, 53 July, 13 Aug, 13 Sept; Rio El Molino 13 April.

*Aguna asander asander* (Hewitson, 1867). (19 292). Range USA to Argentina. Santa Ana 13 Aug (MS); Hda. La Carrera 12 July (VH); Cerro Verde 25 29 June, 13 53 Aug (12 VH); San Isidro 25 Mar, 13 July; Rio El Molino 13 April, 13 May; Santa Tecla 25 72 July, 13 Aug, 13 Sept, 13 Oct; La Libertad 19 Nov; Tamanique 19 12 April, 42 20 Nov, 25 29 Dec; Hda. Montecristo 23 Mar; no data available 13 (BMNH).


*Typhedanus undulatus* (Hewitson, 1867). (5 32). Range USA to Argentina. San Salvador 13 Jan (MS), 13 July (FS); Ilopango 25 Jan; Santa Tecla 13 Jan, 13 July; Rio El Molino 13 April; no data available 13 (BMNH).

*Polythrix octomaculata octomaculata* (Sepp, 1848). (2 82). Range USA (Freeman, 1967) to Argentina. Godman & Salvio (1893) described *Eudamas alciphron* from a female from Guerrero, Mexico. Only the type is in the British Museum (Natural History). In El Salvador females of both *alciphron* (broad white area on hind wing beneath) and *octomaculata* (no white area) are found together along with some with more or less white dusting. The males are of *octomaculata* form and I have decided that *alciphron* merely represents an extreme in the normal variation of intensity of white scaling in the female rather than a separate subspecific or specific entity. A male and a female, apparently siblings, were found as larvae by A. Muyschondt on a single branch of *Toluifera perreirae* at El Balsamar on the coast west of La Libertad and were raised by the author. Both are the dark *octomaculata* form. San Salvador 13 (octomaculata) Aug (MS); Santa Tecla 13 (octomaculata) 22 (alciphron) July, 31 (1 octomaculata, 2 alciphron) Aug, 19 (alciphron) Sept; El Balsamar 13 (octomaculata) 30 Oct, 12 (Ex larvae siblings).

P. aaine (Hewitson, 1867). (61 692). Range Mexico to Peru. Always perches with wings flat. San Salvador 13 Sept (U), 13 Oct (VH), 19 no date (RB); Cerro San Jacinto 23 Jan, 13 Nov, 33 12 Dec; Santa Tecla 13 Jan, 23 32 June, 26 312 July, 11 149 Aug, 85 129 Sept, 13 15 Oct, 19 Nov, 13 Dec; La Libertad 19 Feb; San Isidro 25 Jan; Cerro Verde 12 Aug (MS), 12 Dec; Los Chorros 12 Dec; Ilopango 13 Jan; Rio El Molino 13 May.


*Chrysoplectrum pennisus epcinica* (Butler & Druce, 1872). (12). Range Mexico to Costa Rica. The one female was hiding beneath a leaf. La Libertad 12 Nov.


Codactulus carlos carlos Evans, 1952. (62 22). Range Mexico to Peru. Cerro San Jacinto 13 Dec; Santa Tecla 13 June, 23 July; Tamanique 15 July; Ilopango 13 Jan; La Perla 13 Jan; Los Chorros 13 Feb (VH).

C. alcaeus alcaeus* (Hewitson, 1867). (25 122). Range USA to Costa Rica. San Salvador 13 July (U); Santa Tecla 13 June, 13 52 July; Tamanique 29 July, 19 Aug; Rio El Molino 13 Apr; Los Chorros 13 June (MS), 19 July (MS).
C. bryaxis bryaxis (Hewitson, 1867). (23° 9′). Range Mexico (Vera Cruz) to Honduras. Los Chorros 1° 3′ Mar (U), 1° 6′ June (VH), 1° 7′ July (MS); Santa Tecla 1° 2′ Feb, 9° 2′ July, 1° 3′ Aug, 1° 3′ Sept, 1° 5′ Oct; San Isidro 1° 8′ Jan; Sta. Teca-Comasagua Rd. 1° 8′ Aug; Tamanique 3° 3′ July, 3° 2′ Aug; Hda. Montecristo 12° Mar.

C. hyster (Dyar, 1916). (13° 12′). Range Mexico (D. F., Acapulco, Guerrero) to El Salvador. This represents a considerable southern extension of the previously known range. Santa Tecla 15° May, 1° July.

#Ridens crison howarthi Steinhauser, 1974. (19° 57′). Range - Cerro Miramundo Cloud Forest, El Salvador 22-2400 m. Distribution in various collections not indicated below was reported by Steinhauser (1974). Hda. Montecristo 19° 4′ Jan, 94° 5′ 2′ Feb (4° U), 53° 27′ 2′ Mar (10° U, 1° 5′ 2′ VH, 1° 3′ 3′ MS, 2° 3′ 2′ AM), 9° 2′ April, 8° 5° 2′ May, 7° 4° Nov, 1° 5′ 2′ Dec.

#R. toddi Steinhauser, 1974. (10° 5′). Range - Cerro Miramundo Cloud Forest, El Salvador, 22-2400 m. Distribution in collections not indicated below was reported by Steinhauser (1974). One ♀ from the SLS collection was taken by T. R. Manley. Hda. Montecristo 5° 3′ Jan, 25° 2′ Feb, 5° 3′ 3′ Mar (12° U), 2° May.

(R)R. fulminans (Herrich-Schäffer, 1869). (15°). Range Colombia, Ecuador, Peru, Bolivia. According to Franz & Schröder (1954) one male of Thymele fulminans Herrich-Schäffer, 1869 was taken in San Salvador 23-IX. Some other obvious misidentifications in that publication make this one doubtful. I suspect that it may actually be an Astraptes species, perhaps egregius Butler, known to occur in El Salvador and superficially similar. I have mentioned it here but do not include it as an El Salvador record.

Urbanus proteus complex (75′). I use the term “complex” with double meaning to include all the green-blue bodied forms of Urbanus. The complex can be further subdivided into two groups: those with the inner hindwing central band either continuous or, if of separated spots, with the cell spot larger (proteus gp.), and those with the band consisting of small, sub-equal, well separated spots (esmeraldus gp.). (U. acawois Williams, 1926 forms a separate third group, but has not been found in El Salvador). Even this breakdown leaves many individuals, especially females, in an uncertain position. The males can be fairly well identified by genitalia, but even here there is much variation and detailed studies of long series are needed to separate them with any degree of certainty, the genitalia (male and female) must be examined, and long series of spread material compared. As the major part of the material I worked with was still in papers, this was difficult. The material from the...
Miramundo Cloud Forest (Hda. Montecristo) is clearly *viterboana*, but much of the rest is doubtful. Therefore I have listed only the cloud forest material as *viterboana* and the rest as *alva*, though I am sure that the *alva* listing contains numerous specimens of *viterboana*. Hda. Montecristo 3½ Mar, 1½ 1½ May.

*U. alva* Evans, 1952. (110½ 90½). See note under *U. viterboana*. Los Chorros 1½ Oct (VH); Cerro Las Pavas 1½ July (MS); Vol. Conchagua 1½ Aug (MS); Santa Tecla 1½ Jan, 1½ Feb, 1½ Mar, 1½ 1½ June, 1½ 1½ July, 2½ 2½ Aug; 2½ 2½ Sept, 2½ 3½ Dec; La Libertad 2½ Nov; San Isidro 1½ Jan; Cerro Verde 1½ June; 1½ 2½ Aug, 1½ Dec; Tamanique 1½ Nov, 1½ Dec; Cerro San Jacinto 4½ Jan; La Perla 2½ Jan; Ilopango 1½ 1½ Jan; no data available 1½ (BMNH).

*U. pronta* Evans, 1952. (12½ 23½). Range Mexico to Paraguay. These are easily distinguished by the underside hindwing markings (broken discal stripe) and genitalia. Santa Tecla 1½ May, 2½ June, 3½ 2½ July, 3½ 4½ Aug, 4½ 3½ Sept, 1½ 3½ Oct, Los Chorros 1½ June, 1½ Oct; Ilopango 1½ 1½ Jan; no data available 1½ (BMNH).

*U. pronus* Evans, 1952. (9½ 6½). Range Mexico to Bolivia. The females are difficult to separate from other females of the proteus complex except in areas where a limited number of forms occur as in the Miramundo cloud forest. Thus the only females I have positively determined are from Miramundo. Santa Tecla 1½ Sept; Cerro Verde 2½ Aug; Majaditas 1½ Feb; Hda. Montecristo 1½ Feb, 5½ 3½ Mar (1½ U), 2½ April.

*U. esmeraldus* (Butler 1877). (65½). Range Mexico to Paraguay. According to Evans, *esmeraldus* always has hyaline markings in spaces 4 & 5 of the forewing. The majority of El Salvador specimens, clearly determined from the male genitalia, have no such markings. The form of the clasp of the male genitalia as sketched by Evans is quite different from the Godman & Salvin drawing. The majority of the El Salvador specimens are very close to Evans' figure with normal individual variation. Four specimens, however, agree with the G & S figure and there are no intermediate forms. This suggests that "*esmeraldus*" consists of at least two separate species. I have been unable to separate the females from others of the esmeraldus group, thus no females are shown in the capture data below. San Salvador 1½ Nov (MS); Santa Tecla 1½ June, 1½ July (1½ with G & S type genitalia), 1½ Oct, 3½ Nov, 1½ Dec; La Libertad 1½ June; San Isidro 1½ July; Cerro Verde 1½ Aug; Cerro San Jacinto 2½ Jan, 1½ 1½ Nov, 8½ Dec; Ilopango 3½ Jan (2 with G & S type genitalia).

*U. evona* Evans, 1952. (12½). Range Mexico to Brasil. As with the rest of the esmeraldus group I have been unable to identify females with any surety and they are all lumped in the unidentified category. Vol. Conchagua 1½ Aug (MS); Santa Tecla 3½ July, 1½ Aug, 1½ 1½ Sept, 1½ Dec; San Isidro 1½ Jan, 1½ July; Sta Tecla-Comasagua Rd. 1½ Aug, 1½ Sept; Hda. Montecristo 1½ Mar.

*U. esta* Evans, 1952. (4½). Range Mexico to Argentina. Again no females could be positively identified. La Libertad 1½ Oct; Santa Tecla 1½ Jan, 2½ July.

*U. dorantes dorantes* (Stoll, 1790) (66½ 392). Range USA to Argentina. Often found in great numbers beneath well shaded rock overhangs or along steep creek banks where rocks or tree roots provide cave-like shaded areas. This is the most common *Urbanus* species in El Salvador. San Salvador 1½ June (FS), 1½ 1½ July (FS), 1½ 1½ Sept (FS), 1½ 1½ Oct (MS), 1½ no date (RB); Los Chorros 1½ Mar (VH) 1½ Sept; Sensuntepeque 2½ July (MS); Cerro San Jacinto 1½ Jan, 1½ April (U); Santa Tecla 1½ Jan, 1½ Mar, 8½ 6½ June, 2½ 1½ July, 7½ 3½ Aug, 3½ 2½ Sept, 1½ Nov, 1½ Dec; La Libertad 1½ 1½ Feb, 1½ Aug, 1½ Oct, 1½ Nov, 1½ Dec; San Isidro 1½ Jan, 1½ April; Cerro Verde 3½ June, 2½ Aug, 1½ Dec; La Perla 1½ Jan; Ilopango 1½ Jan; Agua Caliente 1½ Feb; Rio El Molino 2½ May; no data available 1½ (BMNH). +*U. teleus* (Hübner, 1821). (26½ 22½). Range USA to Argentina. Franz & Schröder report 2 specimens of *U. eurycles* (Latreille, 1723 [sic]) and one *U. eurycles latipes* (Mabille & Vuillot, 1891). Both these names are treated by Evans (1952) and Dos Passos (1964) as synonyms of *teleus*. San Salvador 1½ July (FS), 1½ Aug (FS), 1½ Sept (MS), 1½ Oct (FS); Sensuntepeque 1½ July (MS); Los Chorros 1½ June (MS); Santa Tecla 1½ Jan, 1½ Mar, 4½ 3½ June, 7½ 8½ July, 2½ 1½ Aug,
98 39 Sept, 1 Oct; La Libertad 13 Feb; Cerro Boqueron 13 Dec.

*U. tanna* Evans, 1952. (259 150). Range USA to Ecuador. San Salvador 13 Sept (U), 1 Nov (U); Ilopango 13 Feb (VH); Cerro San Jacinto 13 Dec; Santa Tecla 13 Mar, 13 April, 25 June, 82 42 July, 13 12 Aug, 45 Sept; Los Chorros 13 April (MS); La Libertad 13 Aug; Pressa El Guayabo 13 Jan; no data available 13 (BMNH).

*U. simplicius* (Stoll, 1790). (23 119). Range USA to Argentina. Franz & Schröder (1954) list 13 19 of *U. gracilicauda* (Pilottz, 1880 (sic)) which Evans (1952) and Dos Passos (1964) treat as a synonym of *simplicius*. San Salvador 13 June (FS), 25 Aug (1 FS, 1 VH), 13 19 no date (RB); Vol. Conchagua 13 Aug (MS); Santa Tecla 13 Jan, 13 June, 45 2 July, 13 12 Aug, 43 32 Sept; La Libertad 13 Aug; San Isidro 13 Mar, 13 July, 13 Oct; Tamanique 13 Nov; Cerro San Jacinto 13 May; Ilopango 25 Jan; Pressa El Guayabo 13 Jan; Meanguera 13 April; no data available 13 (BMNH).


*U. doryssus doryssus* Swainson, 1831. (13 42). Range USA to Brasil. San Salvador 13 19 Oct (MS); Ilopango 13 Feb (VH); Los Chorros 13 19 Mar (VH); La Libertad 25 Feb (1 U), 35 12 Nov, 43 Dec; San Isidro 13 Sept; Cerro San Jacinto 13 Jan; La Perla 13 Dec.


*A. fulgor *azul (Reakirt, 1866). (57 465). Range USA to Bolivia. The fulgor - fulgor Hayward, 1938 complex of Astraptes which includes azul, catenacoensis Freeman, 1967 and perhaps some others as yet undescribed, is, like the Epargyreus exadeus complex, in need of revision. The variation in color, size, wing shape, maculation and genitalia of the below-listed El Salvador material is considerable. I have lumped them all together until such time as greater clarity is established. San Salvador 13 Apr (RB), 13 June (MS), 13 no date (MS); Los Chorros 13 Apr, 13 July (MS), 13 Nov (VH); Santa Tecla 13 22 June, 24 32 July, 75 32 Aug, 35 19 Sept, 13 19 Oct; La Libertad 13 Jan, 13 Feb, 13 April, 25 June, 13 Nov, 43 22 Dec; San Isidro 13 Jan, 13 Feb, 13 April, 13 Aug, 13 Oct; Cerro Verde 25 Aug (1 VH); Tamanique 13 19 Aug; Cerro San Jacinto 13 Nov (VH), 13 Dec; La Perla 13 Jan; Ilopango 13 Jan; Hda. Montecristo 35 22 Mar (13 19 U).

*A. egregius egregius* (Butler, 1870). (13 22). Range Mexico to Brasil. San Salvador 13 19 Oct (MS); Los Chorros 13 Aug (MS); Santa Tecla 13 July.

*A. enator* (Stroll, 1781). (13 19). Range Mexico to Paraguay. Ilopango 13 Feb (VH); San Isidro 13 Jan.


*A. alardi latia* Evans, 1952. (65 92). Range Mexico to Colombia. Evans gives male forewing length as 30mm. which agrees with El Salvador males; females are generally 33-35mm. but one taken in December, measures only 26mm. “El Salvador” 13 no date (MS); Cerro Las Pavas 13 July (MS); Los Chorros 13 Oct (VH); Santa Tecla 33 42 July, 13 Sept; Cerro San Jacinto 13 Dec; Ataco 13 Aug; no data available 13 (BMNH).

*A. alector* (Felder, 1866). (19). Range El Salvador to Colombia. A single female from the Miramundo cloud forest (2300 m.) is very close to the single female of *gilberti* which was taken at sea level along the coast. It differs from *gilberti* in having much more extensive white both above and beneath and in the ostium bursae which is much less deeply cleft than in *gilberti*. The extent and clarity of the
upper forewing white patch is much less than in the Seitz illustration of *alector*. This may well be a new subspecies of either *alector* or *gilberti* or perhaps a median form in a clinal variation between the two. On the other hand, the presence of both forms in El Salvador, albeit in completely different environments, may indicate a form variation based on environmental factors rather than genetically controlled. No firm decision can be made based on such scant material. Hda. Montecristo 12 Mar.

*A. gilberti* Freeman, 1969 (15). Range USA to El Salvador. Evans indicates *hopfferi* (Plötz, 1882) as a subspecies of *alector*. Freeman (1969) in describing *gilberti* from San Luis Potosi and Tamaulipas, Mexico and Hidalgo Co., Texas separates *alector* and *hopfferi* as distinct species, a decision with which I concur. Evans does not illustrate separately the male genitalia of *hopfferi* and *alector* and since the British Museum had but one male of *alector* but 33 of *hopfferi*, the genitalia illustrated are presumably *hopfferi*. I don’t know whether Freeman had any examples of *alector* to actually compare the genitalia or whether he compared with actual examples of *hopfferi* and assumed Evans’ sketch to be *alector* (which it may be). In order to be sure that *gilberti* is a valid species rather than a subspecies of *alector*, these comparisons and similar comparisons of female genitalia should be made. Pending such action I will follow Freeman and consider this a valid species. The one female from El Salvador is tentatively placed here because it fits quite closely to Freeman’s description and the genitalia are somewhat different from the single female I have determined tentatively as *alector*. La Perla 12 Jan.

*A. creteus crana* Evans, 1952. (2♂ 4♀). Range Chiapas, Mexico (Freeman, 1967) to Panama. Freeman (1967) separates *A. escalantei* Freeman, 1967 from *A. creteus siges* Mabille, 1903 on the basis of slight differences in wing shape and male genitalia and the absence of green iridescence on the under forewing basal costa in *escalantei* which he states is present in *siges* though Evans states that there are rarely traces of green iridescence. Freeman separates *escalantei* from *crana* Evans, 1952 (which he has raised to specific rank) on the basis of white along the under forewing costa in *crana* whereas in *escalantei* the costa is entirely brown. Both *escalantei* and *crana* fly together in Chiapas but *siges* is known only from Brasil, Paraguay and Argentina. The female of *escalantei* is unknown. The females from El Salvador that I have determined as *crana* are quite clearly so, with prominent white costa of the under forewing. The two males are not so clear. One, a badly battered specimen, has but a very few scattered white scales along its otherwise brown costa and the other, though more plentifully white still does not approach the whiteness of the females. I had originally determined the battered male as *escalantei* until I caught the second male. I now consider them all to be *crana* and the validity of *escalantei* as more than a variation of *crana* is questionable. Cerro Verde 12 April (VH), 12♂ 12♀ June, 1♂ 12 Aug; Tamanique 12 Nov.

* A. anaphus annetta* Evans, 1952. (45♂ 50♀). Range USA to Bolivia. San Salvador 1♂ 12 June (MS), 1♂ 12 Aug (MS), 1♀ Sept (U), 1♀ Oct (MS); Shalpa 1♀ July (MS); Ilopango 1♂ Jan, 1♂ 12 Feb (VH); Santa Tecla 1♂ 12 Feb, 2♂ 12 June, 8♂ 13♂ July, 2♂ 3♂ Aug, 4♂ 6♀ Sept, 2♂ Oct, 1♀ Dec; La Libertad 3♂ Nov; San Isidro 1♂ Oct; Cerro Verde 4♂ 9♀ Aug (1♂ VH) Tamanique 12 Oct; Cerro San Jacinto 1♂ 3♂ Dec; Cerro Boqueron 1♀ Nov, 1♂ Dec; Hda. Montecristo 15♂ 12♀ Mar (1♂ 1♀ U, 1♀ MS, 1♀ VH); no data available 1♂ (BMNH).

*Autochton cellus mexicana* (Draudt, 1922). (1♀ 9♂). Evans (1952) shows range of *cellus* as USA and Mexico and classes *mexicana* as a synonym as does Dos Passos (1964). Draudt (in Seitz, 1922) credits *cellus* as “widespread in North and Central America” and describes *mexicana* as “form. nov.” from Mexico. Until I can learn more of the relative geographical distribution of *cellus* and *mexicana* I tentatively resurrect *mexicana* Draudt as a valid subspecies. The Miramundo specimens, however, do not fit Draudt’s description, as the apical spots are prominent and I suspect this will eventually prove to be a separate subspecies or even species. Hda. Montecristo (extending down to Los Planes at about 1900 m.) 5♂ April, 1♂ May (2♀ MS, 2♀ U).
• *A. cineta* (Plötz, 1882). (43 12). Range Mexico to El Salvador. Los Planes - Miramundo area 1500-1800 m. 12 Mar, 23 April, 12 Aug (FS), 12 Nov.

• *A. vectivagus* (Butler, 1874). (119 160). Range Mexico to Panama. In El Salvador *vectivagus* is limited to high altitudes, ie. above 1500 m. Cerro Verde 12 Mar, 23 June, 23 Aug, 12 Nov (MS); Miramundo area 16-1800 m. 43 Dec; Hda. Montecristo 163 Jan, 213 22 Feb; 233 32 Mar (12 U, 12 MS, 12 VH), 23 Oct (U), 133 19 Nov, 173 22 Dec.

• *A. nemis* (Geyer, 1839). (423 132). Range Mexico to Paraguay. San Salvador 12 Mar; Ilopango 43 Jan, 12 Mar (MS); Tecomatepec 15 Dec (U); Los Chorros 12 Mar (VH), 12 April, 23 June, 12 Aug (MS), 12 Sept, 23 Oct; Santa Tecla 12 Jan, 12 July, 12 Aug, 23 Sept, 12 Oct; La Libertad 12 June, 12 Nov; San Isidro 23 Jan, 12 April, 23 July, 23 Aug, 12 Sept, 12 Oct, 12 Dec; Tamanique 35 July, 12 Oct, 63 Nov, 12 Dec; Cerro San Jacinto 23 Jan, 22 Dec; Sta Tecla-Comasagua Rd. 12 Aug, 12 Sept; Majaditas 35 Feb, no data available 12 (BMNH).

• *A. zarex* (Hübner, 1818). (393 52). Range Mexico to Argentina. San Salvador 12 May (FS as *A. aunnus* (Fabricius, 1781)), 12 July (MS), 12 Dec (MS); Cerro San Jacinto 12 Jan, 33 Nov (2 VH), 33 Dec; Santa Tecla 22 Sept, 12 Oct; La Libertad 73 Nov, 12 Dec; San Isidro 12 July, 12 Aug; Los Chorros 12 Oct; 12 Dec; La Perla 23 Dec; Ilopango 12 12 Jan; Río El Molino 12 May; no data available 34 12 (BMNH).

• *Achalarus casico* (Herrich-Schäffer, 1869). (23 12). Range USA to El Salvador. Los Chorros 12 June (MS), 12 July (MS); Río El Molino 12 April.

• *A. albociliatus albociliatus* (Mabille, 1877). (183 79 1 sex not determined). Range USA to Costa Rica. San Salvador 1 sex undetermined April (U), 12 Sept (VH), 12 Dec (MS); Vol. Conchagua 12 July (VH); Los Chorros 22 April, 12 July (MS), 12 Dec; Santa Tecla 42 22 July, 12 Aug, 12 Sept; La Libertad 12 Feb, 12 Oct; San Isidro 12 Jan, 12 April; Tamanique 12 12 Nov; Cerro San Jacinto 12 Jan; 12 May; Ilopango 12 12 Jan; no data available 12 (BMNH).

• *A. coxeus* (Plötz, 1882). (153 62). Range USA to Panama. San Salvador 12 Aug (FS), 12 Oct (U), 12 no date (BB); La Libertad 22 42 Jan, 73 12 Feb, 23 Nov, 12 Dec; Tamanique 12 12 Oct.

• *Cabarese potroillo potroillo* (Lucas, 1857). (23 62). Range USA to Costa Rica and Antilles. Metapán 12 Mar (U); Tecomatepec 12 Dec (U); La Libertad 23 Aug (MS), 23 Nov, 12 Dec; Santa Tecla 12 Jan, 12 July, 12 Sept, 12 Dec; San Isidro 12 Jan, 12 Aug, 12 Sept, 12 Oct; Cerro San Jacinto 32 12 Jan; Majaditas 12 Feb; La Perla 12 Jan, 12 Oct, 12 Dec; Río El Molino 12 May; Barrios 23 April; no data available 12 (BMNH).

• *Bungalois astylos* (Cramer, 1870). (22). Range El Salvador to Brasil. Both specimens were taken at the University; one trapped in a classroom. San Salvador 22 Feb (U).


• *Ocbya calatha calanus* (Godman & Salvin, 1894). (73 12). Range Mexico to Costa Rica. San Salvador 12 Sept (MS); Cerro San Jacinto 12 Nov (VH), 12 12 Dec (12 U); Los Chorros 12 Sept (VH); Ilopango 23 Feb (VH); Presa El Guayabo 12 Jan.

• **Celaenorrhinus fritzgaertneri** (Bailey, 1880). (343 323 12 sex not known - type series). Range Mexico to Costa Rica; type locality Loma Larga near San Miguel, El Salvador. Evans (1952) lists *variegatus* Godman & Salvin, 1894 as a subspecies of *fritzgaertneri* but suggests that it may be a seasonal variation as both have the same geographic range. It appears to be a dimorphism independent of season. In any event, *variegatus* cannot be accepted as a subspecies. The males, and to a lesser extent the females, often congregate in great numbers in deep shade beneath rock overhangs and in shallow caves; the type series, in fact, was captured by Dr. Fritz-
gaertner from 80 feet within the Loma Larga silver mine (Bailey, 1880). They do not roost in close groups, however, as does Smyrna karwinskii Geyer, 1833 (Muyschondt, 1974). San Salvador 15 Feb, 19; 1 May (FS), 19 June (M), 19 Aug (MS), 19 Dec; Tecomatepec 22 Dec (VH); Los Chorros 22 Mar (VH), 15 Oct (VH); Santa Tecla 12 Jan, 12 April, 12 July, 23 Sept, 25 Nov; La Libertad 12 June, 14 Nov, 15 Dec; Cerro San Jacinto 25 Nov, 23 Dec; Barrios 13 April.

C. elijiius (Stoll, 1789). Range according to Seitz from Mexico to South America; Evans records examples from Costa Rica to Peru. In El Salvador it is much scarcer than C. fritzgaertneri but flies with it and has similar habits. Los Chorros 15 Feb (VH); La Libertad 15 Feb (U), 23 Nov, 15 Dec; La Perla 15 Jan.

*Spathilepia clonius* (Cramer, 1775). (380 190). Range USA to Argentina. San Salvador 15 no date (RB), 15 Sept (FS); Tecomatepec 13 Dec (U); Los Chorros 3 Apr, 15 Jan, 15 June (MS); Santa Tecla 14 Jan, 12 April, 15 June, 23 July, 15 Aug, 15 Sep, 13 Oct, 15 Dec; La Libertad 15 Nov, 15 Dec; Tamanique 15 Oct, 23 Dec; Cerro San Jacinto 15 Jan, 15 Dec; Cerro Boqueron 15 Dec; Ilopango 15 Jan; Rio El Molino 3 May; no data available 15 (BMNH).

*C. megallus* Godman & Salvin, 1894. (200 42). Range Mexico to Costa Rica. San Salvador 15 Sept (MS); La Libertad 15 Feb, 15 April, 23 Jan, 15 June, 15 July (MS); 15 Aug, 15 Nov, 23 Dec; La Perla 15 Oct; Rio El Molino 15 April, 15 May; Meanguera 25 April; no data available 15 (BMNH).

*C. hippalus* Evans, 1953. (45). Range Mexico to Costa Rica. San Salvador 15 July (MS); Rio El Molino 15 April, 25 May.

*C. calchas* (Herrich-Schäffer, 1869). (240 310). Range USA to Argentina. San Salvador 15 Jan (MS), 15 Mar (MS), 15 June (MS), 15 FS), 15 Aug (FS); Comasagua 15 Aug (MS); Ayangualo 15 Mar (MS); Santa Tecla 15 Jan, 15 May, 22 June, 25 July, 15 Aug, 15 Sep, 13 Oct, 15 Dec; La Libertad 15 Nov, 15 Dec; Tamanique 15 Oct, 23 Dec; Cerro San Jacinto 15 Jan, 15 Dec; Cerro Boqueron 15 Dec; Ilopango 15 Jan; Rio El Molino 3 May; no data available 15 (BMNH).

Telemiades megallus Mabille, 1886. (15). Range Mexico to Honduras. Evans considered megallus a subspecies of epicalus Hübner, 1819 which ranges from Chiriqui (Western Panama) to Brasil. The only megallus in the British Museum were 15 32 from Mexico and 15 from Honduras. The type (♀) is from W. Colombia. Draudt in Seitz p.869 shows Panama as the locale. The overlap in geographical distribution between epicalus and megallus plus the considerable difference in male genitalia lead me to consider them separate species. The sole male (Mexico) in the British Museum has no white on the underside hindwing nor does the one specimen (♀) from El Salvador. It may be that there is a northern subspecies without white in the male, but the material on hand is too scant to be sure. Cerro San Jacinto 15 Dec (VH).


*Arteurotia* tractipennis tractipennis Butler & Druce, 1872. (175 62). Range Mexico to Bolivia. Food plant in El Salvador is Croton niveus. Pupa is equipped with peculiar tufted hairs on the head. Comasagua 15 Oct (VH); Los Chorros 15 no date (MS), 15 Aug (MS), 15 Sept (VH), 15 Oct (MS); Cerro Verde 15 Aug (MS); Santa Tecla 15 Jan, 15 Feb, 22 July, 15 Aug, 15 Sept, Tamanique 15 Dec; Cerro Boqueron 15 Dec.

*Polyctor* cleta Evans, 1953. (475 62). Range Mexico to Costa Rica. Evans (1953) shows 3 subspecies: polyctor (Prittwitz, 1868), cleta and dagua Evans, 1953, and states that the genitalia of polyctor and dagua are identical, but differ from cleta. I have separated cleta therefore as a distinct species. It is possible that some of the less carefully examined El Salvador material may prove to be polyctor. Los Chorros 15 July (MS); La Libertad 15 30; 15 Aug, 23 15 Nov, 17 15 Dec; Cerro San Jacinto 15 Dec; La Perla 15 Jan.
Nisoniades bassus godma Evans, 1953. (41a 92). Range Mexico to Costa Rica. Because of considerable differences in genitalia, the 9 subspecies listed by Evans (1953) probably should be treated as valid separate species. San Salvador 1<; June (MS), 1<; Aug (MS), 1<; Nov; La Libertad 1<; Jan, 7<; 26 Feb, 19<; 5<; Nov, 6<; 1<; Dec; La Perla 1<; Dec; Los Chorros 1<; 1<; Sept, 1<; Oct, 1<; Dec; Rio El Molino 2<; April.

*N. rubescens* (Möschl, 1876). (67a 29a). Range USA to Brasil. Reported by Franz & Schröder as *Pellicia brumias* (Godman & Salvin, 1894). A male from La Libertad (26.xi.70) has aberrant genitalia and may be a new species but is included pending the discovery of more like it. San Salvador 1<; Sept (FS); Santa Tecla 2<; 2<; Jan, 1<; 2<; Feb, 1<; 2<; May, 1<; June, 9<; July, 2<; Aug, 8<; Sept, 1<; Nov, 1<; 2<; Dec; La Libertad 1<; Feb, 48<; 3<; Nov, 1<; 2<; Dec; San Isidro 1<; Dec; Cerro Verde 1<; 2<; June; Cerro San Jacinto 2<; 2<; Jan; Metapa 1<; Dec.

*N. ephora* (Herrich-Schäffer, 1870). (60a 17a). Range Mexico to Peru. Los Chorros 2<; Feb (1 MS), 2<; April, 1<; Sept, 3<; Oct (1 U), 16<; Dec; Santa Tecla 2<; 2<; Jan, 2<; June, 2<; Sept, 1<; 2<; Dec; La Libertad 1<; 2<; Sept, 1<; Nov; San Isidro 1<; Jan; Cerro Verde 2<; June, 1<; Aug; Tamanique 2<; July, 2<; Oct, 1<; 2<; Nov; Cerro San Jacinto 4<; 3<; Jan, 1<; Nov, 3<; 1<; Dec; Cerro Boqueron 1<; Dec; Ilopango 3<; Jan; Rio El Molino 1<; May; no data available 1<; (BMNH).

*Pachyneuria licea licea* (Plötz, 1882). (85a 32a). Range Mexico to Colombia & Venezuela. Santa Tecla 1<; June; La Libertad 1<; June, 3<; 2<; Nov; San Isidro 1<; Dec; Los Chorros 2<; Dec; Cerro San Jacinto 1<; Jan.

*Pellicia costimacula arina* Evans, 1953. (13<; 2<;). Range Mexico to Panama. La Libertad 2<; 1<; Feb, 7<; 1<; Nov, 3<; Dec; Los Chorros 1<; June.

*P. dimidiata dimidiata* Herrich-Schäffer, 1870. (34a 25a). Range Mexico to Ecuador. Santa Tecla 6<; Jan, 1<; July, 1<; Aug, 1<; 2<; Sept, 1<; Oct, 3<; Dec; La Libertad 3<; Feb, 1<; Nov, 1<; 2<; Dec; San Isidro 1<; Aug, 2<; Oct, 3<; Dec; Los Chorros 2<; 1<; Dec; Cerro San Jacinto 2<; 2<; Jan, 1<; 2<; Dec; Cerro Boqueron 2<; Dec; La Perla 1<; Oct, 1<; Dec; Rio El Molino 1<; April; no data available 1<; (BMNH).

*Noctua noctua bipuncta* (Plötz, 1884). (11<; 7a). Range Mexico to Nicaragua. Los Chorros 1<; Jan (MS), 1<; April, 1<; May (MS), 1<; June (VH), 1<; July (MS), 1<; 1<; Oct; Santa Tecla 1<; Jan, 1<; July, 2<; Sept; Cerro Verde 1<; Aug; Sta Tecla-Comasagua Rd. 2<; Aug, 2<; Sept; Picacho 2<; Mar.

*N. stator* (Godman & Salvin, 1899). (88a 9a). Range Mexico to Peru. San Salvador 1<; Sept (MS), 3<; 1<; Oct (1 U, 2<; VH, 1<; MS); Santa Tecla 1<; 3<; Jan, 1<; June, 2<; 2<; July, 1<; Aug, 1<; Sept; La Libertad 1<; Nov; Los Chorros 1<; Oct.

*Cyclosemia anastomosis* Mabille, 1878. (62a 32a). Range Mexico to Ecuador. Food plant in El Salvador is *Conostegia xalapensis* (Bonpl.) (Melastomaceae) determined by J. Wurdack. San Salvador 1<; Sept (MS); Ilopango 1<; Feb (VH); Santa Tecla 1<; Feb; Cerro San Jacinto 3<; 1<; Jan, 1<; 1<; Dec.

*Bolla cupriceps* (Mabille, 1891). (17<; 79a). Range Mexico to Brasil. San Salvador 1<; Nov (MS); Los Chorros 1<; Mar (VH), 1<; Dec; Santa Tecla 1<; 1<; June, 3<; 1<; Aug, 2<; Sept, 1<; Oct; La Libertad 1<; Jan, 1<; 1<; Feb; Tamanique 1<; July; Cerro San Jacinto 1<; Dec; Ilopango 5<; Jan, 1<; Feb; Rio El Molino 1<; May.

*B. orsines* (Godman & Salvin, 1896). (1<; 32a). Range Mexico to El Salvador. It would be interesting to know if Evans' (1952) determination of 1<; and 1<; orsines from El Salvador in the BMNH was based on genitalia or maculation. He reports no examples of *euippe* (Godman & Salvin, 1896), a very similar insect, from El Salvador, but I have found *euippe* to be about the commonest *Bolla* species there and have never encountered orsines. Franz & Schröder's determination of 2<; orsines is questionable because of the great problem of determining stray females, but I include their reported occurrence as part of the record. San Salvador 1<; Aug (FS); no data available 1<; 2<; (1<; 1<; BMNH, 1<; FS).

*B. euippe* (Godman & Salvin, 1896). (45a 20a). Range Mexico to El Salvador. San Salvador 1<; July (MS); Tamanique 1<; July, 1<; 1<; Oct (1<; VH), 2<; Nov; Santa Tecla 1<; Jan, 5<; May, 7<; 3<; June, 3<; 4; July, 2<; 3<; Aug, 2<; Sept, 1<; Oct, 1<; Dec; San Isidro 1<; April; Los Chorros 2<; April, 1<; June, 2<; Dec; Cerro San

B. brennus brennus (Godman & Salvin, 1896). (310 42). Range USA to Panama. Food plant - tomato. San Salvador 10 June (MS); Santa Tecla 10 July, 10 Sept, 10 Dec; San Isidro 10 Dec; Tamanique 25 July, 10 Nov, 10 Dec; Los Chorros 45 Feb, 25 June, 30 Sept, 15 Oct, 15 Dec; Cerro San Jacinto 45 Jan, 30 25 Dec; Cerro Boqueron 15 Dec; Ilopango 35 Jan.

B. boliviensis (Bell, 1937). (545 119). Range Guatemala to Bolivia. Evans (1953) includes boliviensis as one of 5 subspecies of tetra (Mabille, 1878). From north to south their ranges progressively overlap and each has distinct though similar genitalia. Because of these conditions I believe each is a valid species. In El Salvador, boliviensis was found only in the Miramundo Cloud Forest. Hda. Montecristo 75 75, 75 39 Feb, 145 10 Mar, 55 10 April, 25 10 May, 55 93 Nov, 55 10 Dec.

B. eusebius (Plötz, 1884). (220 70). Range Mexico to Colombia. Santa Tecla 25 July, 10 Sept; San Isidro 10 Mar, 10 April, 10 July, 10 Oct, 10 Dec; Cerro Verde 10 Aug; Tamanique 10 Oct, 10 Nov, 10 Dec; Los Chorros 10 April, 10 Sept; Sta Tecla-Comasagua Rd. 25 Sept; Cerro Boqueron 15 Dec; Ataco 10 Aug.

#B. clytius (Godman & Salvin, 1897). (35). Range Mexico to Honduras. Rio Apancoyo 10 Oct (VH); San Isidro 10 Jan; La Libertad 10 Dec.

#B. salvia Steinhauser, 1974. (95). Range - El Salvador. Rio El Molino (Type locality) 25 May; San Isidro 10 Jan, 10 Mar; Los Chorros 10 Feb, 10 April; Sta Tecla-Comasagua Rd. 10 Sept; Santa Tecla 10 May, 10 June.

Staphylus vulgata vulgata (Möscher, 1878). (395 190). Range Mexico to Argentina. Santa Tecla 25 22 Jan, 10 22 May, 125 42 June, 10 July, 10 Aug, 10 Sept; La Libertad 35 25 Feb, 135 June, 135 Aug, 135 Oct, 135 Dec; Cerro Verde 10 Aug; Tamanique 10 Jan, 10 Feb, 10 Mar, 10 April, 10 July; Cerro San Jacinto 35 May, 10 Nov, 10 Dec; Sta Tecla-Comasagua Rd. 10 Aug, 135 Sept; La Perla 13 Jan; Ilopango 10 Jan, 10 Dec; Rio El Molino 75 42, 35 May, Ataco 35 Aug; Barrios 25 April; no data available 25 (BMNH).

*S. ascalaphus (Staudinger, 1876). (1015 262). Range Mexico to Brazil. I follow Freeman (1969) and Monroe & Miller (1969) in considering Evans' (1953) various subspecies of S. mazans (Reakirt, 1866) to be valid species. San Salvador 10 July (MS), 10 Dec (MS); Los Chorros 10 Jan (MS), 25 Feb, 65 April, 25 12 June, 25 12 Sept, 42 12 Oct, 103 Dec; Santa Tecla 35 12 Jan, 55 May, 175 72 June, 35 62 July, 55 Aug, 135 Sept, 25 12 Dec; La Libertad 13 Mar, 24 Aug; San Isidro 10 Jan, 10 Mar, 10 April, 10 July; Cerro San Jacinto 35 May, 10 Nov, 10 Dec; Sta Tecla-Comasagua Rd. 10 Aug, 135 Sept; La Perla 12 Jan; Ilopango 10 Jan, 10 Dec; Rio El Molino 75 42, 35 May; Ataco 35 Aug; Barrios 25 April; no data available 25 (BMNH).

*S. azteca (Scudder, 1872). (645 172). Range Mexico to Costa Rica. Because of appreciable genitalic difference between S. azteca and S. tyro (Mabille, 1878) I consider them valid species rather than subspecies as treated by Evans (1953). San Salvador 10 July (VH); Ilopango 10 Jan, 10 Mar (MS); Santa Tecla 25 Jan, 75 25 May, 103 32 June, 95 12 July, 65 Aug, 103 12 Oct, 35 Dec; La Libertad 22 22 Mar, 10 July (FS), 35 Aug, 12 42 Nov, 25 25 Dec; Cerro San Jacinto 75 12 May; La Perla 10 Jan; Rio El Molino 25 April, 35 May; Sté. Tomas 10 April; Barrios 10 April; no data available 13 (BMNH).

Gorgythion begga pyralina (Möscher, 1876). (155 42). Range USA to Peru. Coatepeque 12 Aug (MS); Ilopango 12 Mar (MS); Santa Tecla 10 April; La Libertad 25 Jan, 10 Feb, 10 June, 10 Aug, 10 Nov, 10 Dec; Sta Tecla-Comasagua Rd.
13 Sept; La Perla 12 Jan, 412 Dec.

*G. vox* Evans, 1953. (473 92). Range USA to Costa Rica. Freeman (pers. comm.) states that *vox* is a valid separate species and I treat it so. San Salvador 19 July (MS); Santa Tecla 12 June; La Libertad 25 Feb, 12 Mar, 12 April, 12 June, 12 Aug, 52 Nov, 25 Dec; San Isidro 12 Jan, 12 Mar, 25 12 Dec; Tamanique 12 July, 12 Aug, 32 Nov, 12 Dec; Los Chorros 12 Feb, 12 April, 32 June, 25 Oct (1 VH) 125 12 Dec; Cerro San Jacinto 25 12 Jan, 12 Nov, 12 Dec; La Perla 12 Dec; Ilopango 25 Jan, no data available 12 (BMNH).

*Ouleus salvina* Evans, 1953. (363 72). Range Mexico to Costa Rica. I treat this and *panna* Evans as valid species rather than subspecies of *O. fridericus*. Evans (1953) shows somewhat different genitalia for *fridericus* and *salvina*, but does not illustrate the genitalia of *panna*, *hilarina*, *trina* and *riona*, all treated as subspecies of *fridericus*. Two *panna* females were taken in El Salvador, effectively separating *panna* from *salvina* as separate species. San Salvador 12 Sept (MS); Ilopango 12 12 Jan, 12 Feb (U); Metapan 12 Mar (U); Santa Tecla 12 Feb, 12 Sept, 12 Oct, 12 Nov; La Libertad 12 Jan, 25 Feb, 32 June, 25 12 Aug, 126 12 Nov, 32 12 Dec; Los Chorros 12 Sept; La Perla 12 Oct; Rio El Molino 12 May; Barrios 12 April.


*Zera hyacinthinus* hyacinthinus (Mabille, 1877). (133 72). Range Mexico to Colombia. Food plant is avacado. San Salvador 12 Jan (VH), 12 April (MS), 12 May (MS), 12 July (MS); Los Chorros 12 Mar (VH); Santa Tecla 12 Jan, 12 May, 12 22 June, 32 22 Aug, 12 Sept, 12 Dec; La Libertad 12 Feb; San Isidro 12 Jan. 

*Quadrus cerialis* (Stoll, 1782). (363 62). Range Mexico to Argentina. San Salvador 12 Jan (MS), 12 Oct (MS), Tecomatepec 12 Dec (U); Lost Chorros 12 Oct (VH); Ilopango 25 Jan, 12 Feb (VH); La Libertad 42 Jan, 25 Feb, 12 Aug, 103 42 Nov, 52 Dec; San Isidro 12 July; Tamanique 12 Dec; Cerro San Jacinto 12 Jan; La Perla 12 Oct, 25 Dec; Rio El Molino 25 May.


*Gindanes bronitus* bronitus Godman & Salvin, 1895. (12). Range El Salvador to Nicaragua. This represents an appreciable northward range extension. Santa Tecla 12 July.


*Pachys loxus* zonula (Mabille, 1889). (453 185). Range Mexico to Costa Rica. Evans treats *subalbatus* Plutz, 1882 as a synonym of *loxus* Westwood, 1852. I must assume that the insect in question is most likely *P. l. zonula* and I include it as such below. San Salvador 25 Jan (MS), 12 Sept (FS); Los Chorros 12 June, 12 Aug (MS), 32 Oct (2 VH), 12 Dec; Picacho 12 July (U); Quezaltepeque 12 July (U); Ilopango 12 Jan, 12 Feb (U), 12 Dec; La Libertad 32 25 Feb, 12 June, 12 Aug, 123 62 Nov, 32 32 Dec; San Isidro 12 Dec; Cerro San Jacinto 25 Dec; La Perla 12 Jan, 12 Dec, 25 Feb; no data available 12 12 (BMNH).

*Pachys polla* (Mabille, 1888). (52). Range Mexico to Costa Rica. Females of *polla* are difficult to separate from *zonula*; some of the above listed *zonula* females may be *polla*. Los Chorros 25 Feb (MS); La Libertad 12 Nov; San Isidro 12 April; Santo Tomas 12 May.

*Atames sallei* (Felder, 1867). (104 92). Range Mexico to Colombia. San Salvador 12 June (MS); Tecomatepec 12 12 Dec (U); Santa Tecla 25 July; La Libertad 12
Jan, 4 Feb, 2 Nov; San Isidro 2 Oct; Tamanique 2 Nov; Cerro San Jacinto 2 Dec; Ilopango 1 Jan.

*Mylon lassia* (Hewitson, 1868). (183 72). Range Mexico to northern South America. San Salvador 13 June (MS), 17 July (VH), 1 Aug (FS); Las Brumas 13 Mar (VH); Los Chorros 13 June (MS); Cerro San Jacinto 13 Jan, 13 Nov, 13 Dec (13 U); Santa Tecla 13 Jan, 13 July, 13 Sept, 13 Oct; San Isidro 13 Jan, 13 Dec; Cerro Verde 13 Mar; Tamanique 13 Oct, 13 Nov; Sta Tecla-Comasagua Rd. 4 Aug; Santo Tomas 13 April.


*M. menippus* (Fabricius, 1775). (45). Range Mexico to Argentina. San Salvador 13 Sept (MS); Los Chorros 13 Dec; Cerro San Jacinto 13 Nov; no data available (BMNH).

*M. pelopidas* (Fabricius, 1793). (163 82). Range Mexico to Paraguay. Los Chorros 13 June (VH); Santa Tecla 13 Jan, 13 June, 43 30 July, 13 Sept; La Libertad 23 Jan, 3 Feb, 1 Aug; San Isidro 13 Jan; La Perla 13 Oct, 43 Dec; no data available (BMNH).


*Carrhenes fuscens fuscens* (Mabille, 1891). (115 12). Range Mexico to Nicaragua. La Libertad 1 Aug; San Isidro 13 April; Los Chorros 23 April; Rio El Molino 13 April, 7 May.


*C. canescens canescens* (Fielder, 1869). (285 109). Range USA to Panama. Food plant *Hibiscus* sp. San Salvador 12 July (MS), 13 Sept (MS); Cerro Las Pavis 12 July (MS); Santa Tecla 12 Jan, 13 Mar, 12 26 June, 23 19 July, 33 12 Aug, 19 Sept, 19 Dec; La Libertad 12 Feb, 25 Nov; San Isidro 13 Sept, 23 Oct; Los Chorros 13 June, 25 Oct, 25 Dec; Cerro San Jacinto 13 May, 13 Nov, 13 Dec; Ilopango 43 19 Jan; no data available (BMNH).

*C. cellipes cellipes* Godman & Salvin, 1895. (13). Range Mexico to El Salvador. San Isidro 13 April.

*Clito clito* (Fabricius, 1787). (13). Range Mexico (Bell, 1942) to Brasil. La Libertad 13 June.

*Xenophanes truxius* (Stoll, 1780). (473 192). Range USA to Argentina. A very common species. San Salvador 23 July (1 VH, 1 MS), 13 Oct (MS), 19 Nov (RB); Los Chorros 13 Mar (VH), 23 Sept, 23 Oct (1 VH); Cerro San Jacinto 13 Jan, 19 May, 33 12 June, 23 19 July, 33 12 Aug, 53 42 Sept, 33 19 Oct, 33 19 Dec; La Libertad 13 Jan, 13 Feb, 23 Aug, 23 Dec; San Isidro 23 Mar, 13 July, 23 Aug; Cerro Boqueron 23 Dec; La Perla 23 Jan; Ilopango 13 Jan; Atencol Fk. 13 Dec; no data available (BMNH).


*Antigonus nearclus* Latreille, 1824. (53 32). Range Mexico to Paraguay. San Salvador 13 13 Dec (MS); Los Chorros 13 Mar (MS); Ilopango 13 Feb (VH); La Libertad 13 Jan; Cerro San Jacinto 13 Jan; no data available 13 13 (BMNH).

*A. erosus* (Hübn, 1812). (423 72). Range Mexico to Paraguay. A very common insect in shady areas. San Salvador 13 Feb (MS), 13 July (VH), 13 Aug (FS); Los Chorros 13 April, 13 June (VH), 23 July (MS), 13 Sept; Ilopango 23 Jan, 13 13 Feb (13 VH, 13 U); Vol. Conchagua 13 Aug (MS); Santa Tecla 13 June, 23 July, 13 Aug; La Libertad 145 25 Feb, 53 Nov; San Isidro 13 Jan, 13 Mar; La Perla 23 Oct; Rio El Molino 23 April, 33 May; no data available 23 (BMNH).

*A. corrusus* Mabille, 1878. (233 23). Range Mexico to Panama. Los Chorros 13 April (MS), 23 June, 43 Oct, 13 Nov (VH), 13 Dec; San Isidro 13 April, 13 July, 13 Aug, 13 Nov; Tamanique 13 Apr, 23 July, 23 Aug, 23 Oct, 23 Nov; Cerro San Jacinto 13 May; no data available 13 BMNH.

*Zopyrion sandace* Godman & Salvin, 1896. (443 122). Range Mexico to El Salvador. Metapan 13 Mar (MS); La Libertad 13 Mar, 13 13 April, 23 23 June,
16

5 12 Aug, 12 Oct, 25 32 Nov, 6 19 Dec; La Perla 12 Jan; Citlal 12 May; Barros 12 April.

*Anisochoria pedalioidina bacchus* Evans, 1953. (6 19). Range Mexico to El Salvador. San Salvador 12 Jan (MS); La Libertad 12 Nov, 32 Dec; Rio El Molino 12 May; no data available 12 (BMNH).

*Aethila chiapa* Freeman, 1969. (10 29). Range Chiapas, Mexico to El Salvador.

This is apparently a strictly high altitude forest species, so far known only from Chiapas, Vol. Sta Maria in Guatemala and the Cerro Miramundo Cloud Forest of El Salvador. Hda. Montecristo 29 Mar, 12 April, 63 May, 35 Dec.

*Achlyodes buxius heros* Ehrmann, 1909. (80 19).

Range Mexico to Bolivia. Vol. San Miguel 12 Jan (V); Los Charras 12 Feb (VH); La Libertad 12 Feb, 30 Nov, 12 Dec; Rio El Molino 12 May.

*A. thraso thraso* (Hubner, 1807). (60 19).

Range USA to Argentina. San Salvador 12 Jan (U); Apopa 12 Aug (MS); Santa Tecla 19 July; La Libertad 29 Feb; La Perla 12 Dec; no data available 12 (BMNH).

*A. selva* Evans, 1953. (430 219).

Range Mexico to Brasil. Food plant Citrus. San Salvador 12 Jan (U), 12 April (MS), 12 Nov (U); Ilopango 12 Feb (VH); Los Charras 19 July (MS); Cerro Verde 12 Mar (MS); Santa Tecla 12 Jan, 12 Feb, 15 Mar, 12 May, 15 June, 29 32 July, 29 19 Aug, 83 52 Sept, 32 12 Oct, 12 Dec; Hda. Montecristo 12 Jan, 29 19 Feb, 15 Mar, 12 April, 32 May (1 U), 12 Nov, 29 Dec; Tamanique 29 Nov, 12 Dec; Cerro San Jacinto 12 Nov, 12 29 Dec; Sta Tecla-Comasagua Rd. 12 Oct; Ataco 29 12 Aug; Santo Tomas 12 19 April; no data available 12 (BMNH).

*Grais stigmaticus stigmaticus* (Mabille, 1883). (29).

Range VSA to Argentina. La Libertad 19 Jan, 19 April (MS).

#Doberes anticus sobrinus* (Godman & Salvin, 1895). (1060 199).

Range Mexico to Costa Rica. Known in El Salvador only from the Cerro Miramundo Cloud Forest. The food plant is an unidentified vine with hooked thorns and tough leaves. The larvae in at least the last 2 instars weave a dense silken home between two leaves to which they retreat when not feeding. Pupation takes place in this same "cocoon" after sealing the entrance lightly with silk. Hda. Montecristo 40 12 Jan, 190 79 12 Feb, 550 89 12 Mar (20 12 MS, 12 VH), 12 April, 170 39 12 May (20 U), 60 12 Nov, 32 12 Dec.

*Timochares trifasciata trifasciata* (Hewitson, 1868). (70 79).

Range Mexico to Paraguay. San Salvador 12 June (MS), 12 July (VH); Vol. Conchagua 12 Aug (MS); Santa Tecla 12 Jan; La Libertad 29 12 Feb, 12 Nov; Tamanique 12 July; Los Chorros 12 Dec; Cerro San Jacinto 12 May; La Perla 12 Jan; Agua Caliente 12 Feb; no data available 12 (BMNH).

*Anistra sempiternus sempiternus* Butler & Druce, 1872. (18 72).

Range Mexico to Ecuador. Food plant almond, *Terminalia catappa*. San Salvador 12 July (MS), 29 Sept (1 U, 1 MS), 12 Oct; Quezaltepeque 12 Dec (U); Santa Tecla 29 July, 12 Aug, 32 Sept, 12 Oct; La Libertad 63 32 Feb, 12 Dec; Los Chorros 29 Dec.

A. obscurus neaveris Möschler, 1878. (10 5). Range Mexico to Ecuador. La Libertad 12 June, 53 Nov, 32 Dec; La Perla 12 Dec.

*Erbia anac cre anac creon* (Staudinger, 1876). (10 5 12). Range Mexico to Argentina. San Salvador 12 Nov (MS); La Libertad 12 Jan, 12 Feb; Tamanique 12 Aug; Los Chorros 32 Dec; Rio El Molino 12 April, 29 May; no data available 12 (BMNH).

#E. sappho Steinhauser, 1974. (25 12). Range El Salvador. Los Chorros (Type locality) 29 12 Dec; Santa Tecla 19 Sept.

*Cycloglypha thrasibulus thrasibulus* (Fabricius, 1793). (12 12). Range Mexico to Paraguay. Apopa 12 Aug (MS); La Libertad 43 12 Feb, 45 Nov; Cerro San Jacinto 12 Nov; La Perla 12 Dec.

*Helias phalaenoides cama* Evans, 1953. (333 132). Range Mexico to Colombia. San Salvador 12 Nov (MS), 12 Dec (MS); Los Chorros 12 April, 29 12 Oct (VH), 12 Nov (VH), 32 Dec; La Libertad 12 Feb, 12 Nov, 12 Dec; San Isidro 12 Jan, 12
July, 13° Oct, 3° 12° Dec; Tamanique 15° Dec; Cerro San Jacinto 35° 49° Jan, 15° 12° Nov, 8° 12° Dec; Cerro Boqueron 12° Nov; Ilopango 55° Jan.

*Chimara asychis georgina* (Reakirt, 1868). (115° 35°). Range USA to Costa Rica. Los Chorros 15° Feb (MS), 15° 12° Oct (VH), 6° 12° Dec; Santa Tecla 19° July, Cerro Verde 15° June; Cerro San Jacinto 12° May, 23° Nov; no data available 15° (BMNH).

*Gesta gesta inaeus* (Butler & Druce, 1872). (205° 55°). Range USA to Costa Rica. San Salvador 15° June (MS); Tecomatepec 15° Dec (U); Los Chorros, 12° June (MS), 15° Dec; Cerro San Jacinto 12° Jan, 23° Dec (1 VH); La Libertad 15° 12° Feb, 15° Mar; San Isidro 35° 23° Jan, 23° Dec; Cerro Verde 12° Dec; Ilopango 35° 23° Jan; Rio El Molino 15° April; Meanguera 15° April; Metapan 15° Dec; no data available 23° (BMNH).

*Erynnis zarucco funeratis* (Scudder & Burgess, 1870). (65° 70°). Range USA to Argentina. Vol. Conchagua 12° Jan (VH), 12° Aug (MS); Comasagua 15° Oct (VH); Santa Tecla 23° Feb, 15° June (MS), 12° July, 15° Sept, 12° Dec; Los Chorros 23° Dec; Cerro Boqueron 12° Dec; no data available 15° (BMNH).


*Pyrgus communis adepta* Pltzl, 1884. (31° 29°). Range Mexico to Colombia. Franz & Schröder (1954) list 65° 30° of "Pyrgus notata" (Blanchard, 1852)" from El Salvador. Since notata is a Chilean species this is an obvious mis-identification and I have assumed they are adepta since they also list oileus. San Salvador 45° June (1 MS, 3 FS), 35° July (2 VH, 1 FS), 15° Sept (MS); Vol. Conchagua 12° Aug (MS); La Libertad 23° 32° July (FS), 15° 12° Aug; Santa Tecla 45° 42° Jan, 12° Feb, 15° Mar, 15° 42° May, 35° 22° June, 7° 42° July, 15° 12° Sept, 19° Oct, 42° Dec; San Isidro 12° July; Cerro San Jacinto 12° May; La Perla 12° Dec; Rio El Molino 23° April; no data available 15° (BMNH).

*P. oileus oileus* (Linnaeus, 1767). (39° 21°). Range USA to Costa Rica and Antilles. I have not listed the darker monticagus form separately. San Salvador 12° June (MS); 15° Sept (U), 15° Oct (MS), 15° 12° Dec (MS); Las Brunas 23° Mar (VH); Los Chorros 12° April, 12° Sept (MS); La Libertad 7° 72° July (15° 12° MS, 6° 60° FS), 35° 22° Aug, 15° 12° Oct, 15° Dec; Santa Tecla 15° Jan, 12° Feb, 35° May, 15° June, 35° 42° July, 23° Aug, 15° Sept; San Isidro 23° Mar, 12° April; Sta. Tecla-Conchagua Rd. 15° Aug; Majaditas 15° Nov; Citala 12° Feb; Puente Cuscatlan 15° Jan; Hda. Monte­cristo 15° 12° Feb, 15° 22° Dec; no data available 15° (BMNH).

*H. maccaria macaira* (Reakirt, 1866). (65° 55°). Range USA to Panama. San Salvador 15° July (VH); San Ignacio 15° Aug (MS); Los Chorros 15° April (MS); Santa Tecla 15° Mar; La Libertad 15° 12° Aug, 15° 12° Nov; Cerro San Jacinto 15° Jan; Agua Caliente 12° Feb; no data available 15° (BMNH).

*H. arsalte arsalte* (Linnaeus, 1758). (12° 80°). Range Mexico to Argentina. San Salvador 23° June (1 U, 1 MS), 15° July (VH), 15° Oct (MS); Santa Tecla 23° Jan, 12° May, 15° June; La Libertad 15° Mar, 12° Dec; San Isidro 15° July; Los Chorros 15° Oct; Cerro San Jacinto 15° Jan, 23° 12° May; Cerro Boqueron 15° Nov; La Perla 15° Jan; no data available 15° 12° (BMNH).

*H. alana* Reakirt, 1868. (15° 95°). Range Mexico to Argentina. San Salvador 15° July (VH), 12° Nov (MS); Coatpeque 12° July (MS); Los Chorros 15° Mar (VH), 15° July (MS), 35° Sept, 12° Oct; Santa Tecla 23° Jan, 15° 12° July, 15° Sept; La Libertad 15° Jan, 15° 12° Feb, 35° Nov, 12° Dec; San Isidro 15° Sept; Cerro San Jacinto 15° Jan, 15° 12° Dec; La Perla 15° Dec; Ilopango 15° Jan; no data available 15° (BMNH).
HESPERIINAE

*Dardarina dardaris* (Hewitson, 1877). (17♂ 10♀). Range Mexico to El Salvador. La Libertad 9♂ 3♀ June, 3♂ 2♀ Aug, 5♂ 2♀ Nov, 3♀ Dec.

*Dalla ligilla* (Hewitson, 1877). (5♂). Range Mexico to El Salvador. These key out to *ligilla* but without determined specimens for comparison the identification is somewhat tentative. Hda. Asahuqeman 5♂ April (VH).

*Synapte multilosa pectoralis* Evans, 1955. (18♂ 32). Range USA to Costa Rica. San Salvador 1♂ Jan (VH), 1♂ July (VH); Coatepeque 1♂ Aug (MS); Santa Tecla 1♂ Sept; La Libertad 3♂ April, 2♂ June, 5♂ Aug, 2♂ 1♀ Nov; Cerro San Jacinto 1♂ Jan, 1♂ 2♀ Dec.

*S. syraces* (Godman, 1901). (6♂ 12). Range Mexico to El Salvador. Evans (1955) includes *situs* Evans, 1955 as a subspecies with range from Jalisco, Mexico to Guatemala. The given range for *syraces* is Guerrero, Mexico. The El Salvador specimens fit closer to the description of *syraces* and I am treating them as separate species. San Salvador 1♂ Aug (MS); Coatepeque 1♂ Aug (MS); Vol. Conchagua 1♂ Aug (MS); Santa Tecla 2♂ July, 1♂ Aug; no data 1♂ (MS).

*S. salenus salenus* (Mabille, 1880). (48♂ 16♀). Range Mexico to Colombia. San Salvador 1♂ April (MS); Los Chorros 4♂ June, 2♂ Aug (MS), 7♂ 1♂ Sept, 1♂ Oct; Cerro San Jacinto 5♂ 1♀ Jan, 2♂ May, 1♂ June, 2♂ 1♂ Nov (1♂ VH), 3♂ 2♂ Dec; Santa Tecla 1♂ 2♂ July, 1♂ 1♂ Aug, 1♂ 2♂ Sept, 1♂ Oct, 1♂ Dec; San Isidro 1♂ Mar, 2♂ June, 2♂ 3♂ Sept, 5♂ 2♂ Oct, 2♂ Dec; Tamanique 1♂ July, 1♂ Aug; Ilopango 1♂ Jan; no data available 2♂ (BMNH).

*Zariaspes mys* (Hübner, 1808). (13♂ 3♀). Range Mexico to Paraguay. Santa Tecla 1♂ July; La Libertad 8♂ 3♀ Nov, 3♀ Dec; La Perla 1♂ Dec.

*Anthoptus epitetetus* (Fabricius, 1793). (16♀). Range Mexico to Argentina. Los Chorros 1♂ Aug (MS), 3♂ Oct (2 VH); La Libertad 1♂ Nov; Tamanique 6♂ Nov, 5♂ Dec.

*Corticea corticea corticea* (Plötz, 1883). (52♂ 10♀). Range Mexico to Paraguay. San Salvador 1♂ July (VH), 1♂ Nov (VH); Los Chorros 1♂ July (MS); Santa Tecla 5♂ 1♀ Jan, 1♂ Feb, 1♂ 1♀ Mar, 2♂ May, 5♂ 1♀ June, 4♀ 1♂ July, 6♀ 1♂ Aug, 3♂ 3♂ Sept, 1♂ Dec; La Libertad 2♂ Aug, 2♂ Nov, 1♂ Dec; Cerro San Jacinto 1♂ Jan, 2♂ Nov, 5♂ Dec; La Perla 2♂ Jan, 1♂ Dec; Ilopango 7♂ Jan.

*C. lysias lysias* (Plötz, 1883). (9♂ 2♀). Range Mexico to Panama. La Libertad 1♂ Aug, 2♂ Oct, 5♂ 1♀ Nov, 1♂ 1♂ Dec.

*Callimormus juventus* Scudder, 1872. (3♂ 10♀). Range Mexico to Argentina. Los Chorros 2♂ June, 5♂ 1♀ Sept (1♀ MS), 1♂ 2♂ Oct (1♂ VH, 1♀ MS), 1♂ Dec; Santa Tecla 3♂ Jan, 1♂ July, 1♂ 2♂ Aug, 1♂ Sept; La Libertad 1♂ Nov; San Isidro 7♂ Jan, 2♂ April, 1♂ July; Tamanique 1♂ Nov, 1♂ Dec; Cerro Boqueron 1♂ Dec; Majaditas 1♂ Feb.

*C. saturnus* (Herrich-Schäffer, 1869). (47♂ 24♀). Range USA to Paraguay. San Salvador 1♂ 1♂ July (MS); 1♂ Nov (MS); Ilopango 1♂ Feb, 1♂ Mar (MS); Los Chorros 2♂ June (1 MS); Santa Tecla 2♂ 2♂ Jan, 1♀ April, 2♂ April, 2♂ May, 6♂ 2♂ June, 9♂ 6♀ July, 7♂ 2♂ Aug, 4♂ 2♂ Sept, 2♂ Oct; La Libertad 1♂ April, 1♀ Aug, 1♂ 1♀ Nov; San Isidro 1♂ July; Tamanique 1♂ Oct; Cerro San Jacinto 1♂ 1♂ Jan, 2♂ 1♂ May, 1♂ Nov, 1♂ Dec; Sta Tecla-Comasagua Rd. 1♂ Sept; Citala 2♂ May; Meanguera 1♂ April.

*Eutocus facilis* (Plötz, 1884). (59). Range Mexico to Bolivia. As no males were found, this determination is tentative. Santa Tecla 3♂ Jan; Ilopango 2♂ Dec.


*Mnasicles hicetaon* Godman, 1901. (22♂ 62). Range Mexico to Paraguay. La Libertad 1♂ Jan, 3♂ 2♀ Feb, 1♂ 1♀ June, 2♂ 2♂ Aug, 1♂ Oct, 7♂ 1♂ Nov, 7♂ Dec.

*Methionopsis ina* (Plötz, 1882). (4♂ 2♀). Range Mexico to Paraguay. Santa Tecla 1♂ Jan, 1♂ 2♂ Sept; La Libertad 1♂ Dec; Cerro San Jacinto 2♂ Dec.

*M. typhon* Godman, 1901. (26♂ 12). Range Guatemala to El Salvador. La Libertad 1♂ Feb (U); Tamanique 1♂ July, 7♂ Nov, 6♂ Dec; Los Chorros 1♂ April,
33 June, 23 Sept, 3 Oct, 13 Dec.

*Placilla aecas* (Stoll, 1781). (23 22). Range Guatemala to Brasil. Food plant bamboo (I have raised *aecas* on bamboo in Colombia, but the food plant in El Salvador was not observed). San Salvador 1st Sept (MS), 13 Oct (MS), La Libertad 17 Feb (U), 12 Nov.

*Metion melas* Godman, 1900. (62 162). Range Mexico to El Salvador where it is found only in the Miramundo Cloud Forest. Hda. Montecristo 65 Jan, 153 32 Feb, 75 42 Mar (12 MS), 52 22 April, 95 42 May, 113 12 Nov, 93 23 Dec.


*Phanes elites* (Geyer, 1832). (22). Range Mexico to Brasil. Los Chorros 1st Feb (VH), 12 July (MS).


*N. insignis* (Plötz, 1882). (115 132). Range Mexico to Brasil. San Salvador 1st Nov (MS); La Libertad 1st Feb (U), 1st Nov, 1st Dec; Santa Tecla 32 Jan, 22 Feb, 25 June, 1st Oct, 1st Dec; Tamanique 1st Aug, 1st Nov, 1st Dec; Los Chorros 25 Oct; Cerro San Jacinto 1st Dec; La Perla 1st Jan, 1st Dec.

*Cymenes odilia trebius* (Mabille, 1891). (63 84). Range USA to Colombia. Tecatepec 1st Dec. (U); Picacho 1st Nov (MS); Vol. Conchagua 1st Aug (MS); La Union 1st Oct (FS an *Lerodea edata* Plötz); Los Chorros 1st Sept (MS); Santa Tecla 22 Jan, 1st May, 43 32 June, 243 279 July, 253 309 Aug, 75 69 Sept, 1st 1st Oct, 35 32 Dec; La Libertad 1st April, 1st 2 Aug, 1st 1st Nov; San Isidro 1st July; Cerro Verde 25 June, 32 Aug, 1st Dec; Tamanique 1st Nov, 1st Dec; Cerro San Jacinto 25 Nov, 1st 1st Dec; Majaditas 1st Nov, 25 Dec; Hda. Montecristo 1st Mar, 1st Nov.


*Vehilius stictomenes illudens* (Mabille, 1891). (43 229). Range Mexico to Panama. San Salvador 1st Oct (U); La Libertad 1st Feb, 1st April (MS), 25 42 Aug, 1st 1st Oct, 1st Nov; Santa Tecla 45 22 Jan, 1st Feb, 43 25 June, 53 29 July, 35 49 Aug, 35 22 Sept, 25 Oct, 1st Dec; Tamanique 1st July; Cerro San Jacinto 25 Jan, 35 3 Dec; Cerro Boqueron 1st Dec; Majaditas 1st Nov; La Perla 1st Dec; no data available 1st (BMNH).

*V. inca* (Scudder, 1872). (85). Range Mexico to Argentina. San Salvador 1st April (MS), 1st June (MS); Santa Tecla 1st Jan, 1st Feb, 1st May, 25 Aug; La Libertad 1st Feb.


*Mnasius allibita* (Butler, 1877). (93 22). Range Mexico to Paraguay. Los Chorros 1st June (MS); Santa Tecla 1st July; La Libertad 1st Jan, 1st Feb, 35 Aug, 22 1st Nov, 1st Dec.


*Mnaeanthus chrysophrys* (Mabille, 1891). (42 19). Range Mexico to Paraguay. San Isidro 1st Dec; Tamanique 1st Dec; Los Chorros 1st 1st Sept, 1st Dec.


*M. rita* Evans, 1955. (333 92). Range Mexico to Panama. San Salvador 1st Feb (MS), 1st Dec (MS); Los Chorros 1st June, 43 1st Sept, 2st Oct (U), 1st Dec; Santa Tecla 1st July, 42 Aug, 1st Sept; San Isidro 1st April, 35 July; Tamanique 25 29 Aug, 1st Oct, 95 Nov, 1st Dec; Cerro San Jacinto 1st Jan, 1st Dec; Majaditas 23 Feb; Ataco 1st Aug.

*M. vopiscus vopiscus* (Herrich-Schäffer, 1869). (283 102). Range Mexico to Brasil. San Salvador 1st Oct (U), 1st Nov (U), Santa Tecla 1st Jan, 25 1st June, 105 12
July, 8$	ext{d} 2$	ext{c Aug}, 5$	ext{d} 1$	ext{d Sept}, 1$	ext{d} Oct; San Isidro 1$	ext{d} Jan, 1$	ext{d} Dec; Taminique 1$	ext{d} Oct; La Perla 1$	ext{d} Dec.

*M. striga stroma* Evans, 1955. (43). Range Mexico to Colombia. I have seen a female ovipositing on a tall, unidentified grass but was unable to raise larvae. San Salvador 1$	ext{d} Aug$ (MS); Santa Tecla 1$	ext{d} July$; Sta Tecla-Comasagua Rd. 1$	ext{d} Sept$; Cerro Boqueron 1$	ext{d} Dec.

*M. hyagnis hyagnis* Godman, 1900. (12). Range Mexico to El Salvador.

Majaditas 1$	ext{d} Dec$.

*Parphorus decora* (Herrich-Schäffer, 1869). (33 22). Range Mexico to Argentina. Cerro San Jacinto 1$	ext{d} Nov$, 2$	ext{d} Dec$; La Perla 1$	ext{d} Jan$, 1$	ext{d} Dec$.

*Papua phana* Godman, 1900. (185 112). Range Mexico to Brasil. Tamanique 1$	ext{d}$ July, 1$	ext{d}$ Aug, 7$	ext{d} 6$	ext{d} Nov, 7$	ext{d} 2$	ext{d} Dec; Los Chorros 2$	ext{d}$ 3$	ext{d}$ Sept, 1$	ext{d}$ Oct.

*P. dictys* Godman, 1900. (65 22). Range Mexico to Ecuador. Las Brumas 1$	ext{d}$ Mar (VH); San Isidro 2$	ext{d}$ Dec; Cerro Verde 1$	ext{d}$ June, 1$	ext{d}$ Dec; Tamanique 1$	ext{d}$ Oct; Hda. Montecristo 1$	ext{d}$ Dec.

*P. subcostulata integr* (Mabille, 1891). (175 19). Range Mexico to Ecuador. San Salvador 1$	ext{d}$ Oct (MS); Los Chorros 3$	ext{d}$ Sept (1 MS), 3$	ext{d}$ Oct (1 VH), 2$	ext{d}$ Dec; La Libertad 2$	ext{d}$ Feb (1 U), 1$	ext{d}$ Aug, 3$	ext{d}$ Nov; Tamanique 1$	ext{d}$ Nov; Cerro San Jacinto 1$	ext{d}$ Dec; Metapan 1$	ext{d}$ Dec.

*Cobalopsis autumn* (Plotz, 1883). (19). Range Mexico to Brasil. This, as with many single females, is a somewhat tentative determination. Santa Tecla 1$	ext{d}$ July.

*C. potar* Willia *& Bell, 1931. (12). Range El Salvador to Paraguay. This is another tentative identification. If correct it indicates a considerable northward range extension. The single female is ex larva on “long grass”. San Salvador 1$	ext{d}$ May (MS).

*Leema lumina* (Herrich-Schäffer, 1869). (305 420). Range Guatemala to Colombia. In El Salvador *Leuma lumina* is usually found only above 1600 m. Las Brumas 1$	ext{d}$ Mar (VH); Cerro Verde 1$	ext{d}$ May (U), 42 142 June, 13$	ext{d}$ 10$	ext{d}$ Aug, 1$	ext{d}$ Sept, 7$	ext{d} 6$	ext{d} Dec; Santa Tecla 1$	ext{d}$ July; Sta Tecla-Comasagua Rd. 1$	ext{d}$ Sept; Majaditas 3$	ext{d}$ Feb, 1$	ext{d}$ Dec; Hda. Montecristo 42 Feb, 25 Mar, 25 Nov, 1$	ext{d}$ Dec.

*L. accius* (Abbott & Smith, 1797). (205 175). Range USA to Venezuela. Evans (1955) includes *lochiu* Plotz, 1883 as a subspecies of *accius*. If these are indeed separate entities they must be separate species. Because of the great individual variation found, I am not sure that both species are not included in the El Salvador material. Because of the uncertainty involved I have listed only *accius*. San Salvador 1$	ext{d}$ July (VH), 1$	ext{d}$ Oct (VH); Santa Tecla 2$	ext{d}$ July, 1$	ext{d}$ Sept; La Libertad 1$	ext{d}$ Mar, 2$	ext{d}$ Nov; San Isidro 1$	ext{d}$ Oct, 2$	ext{d}$ Dec; Cerro Verde 2$	ext{d}$ Dec; Cerro San Jacinto 1$	ext{d}$ Dec; Ilopango 42 24 Jan; La Palma 1$	ext{d}$ Sept; Presa El Guayabo 7$	ext{d}$ 9$	ext{d}$ Jan.

*Laancillaris liris* Evans, 1955. (462 352). Range Mexico to Costa Rica. Sensuntepeque 1$	ext{d}$ July (MS); Santa Tecla 25 May, 1$	ext{d}$ 5$	ext{d}$ June, 8$	ext{d}$ 8$	ext{d}$ July, 3$	ext{d}$ 6$	ext{d}$ Aug, 1$	ext{d}$ 2$	ext{d}$ Sept, 1$	ext{d}$ Dec; La Libertad 1$	ext{d}$ Jan, 3$	ext{d}$ 2$	ext{d}$ Feb, 1$	ext{d}$ 12 Mar, 5$	ext{d}$ 3$	ext{d}$ June, 5$	ext{d}$ 3$	ext{d}$ Aug, 3$	ext{d}$ 2$	ext{d}$ Nov, 1$	ext{d}$ 1$	ext{d}$ Dec; Cerro Verde 1$	ext{d}$ Aug; Meanguera 1$	ext{d}$ April.

*Morys valerius valdi* Evans, 1955. (73 42). Range Mexico to Honduras. Santa Tecla 1$	ext{d}$ Aug; La Libertad 1$	ext{d}$ 12 Feb, 1$	ext{d}$ 12 April, 1$	ext{d}$ June, 12$	ext{d}$ Nov; San Isidro 1$	ext{d}$ Dec; Cerro San Jacinto 1$	ext{d}$ Jan, 1$	ext{d}$ Nov; La Perla 1$	ext{d}$ Jan.

*M. compta micatus* (Godman, 1900). (33 12). Range Mexico to Ecuador. Santa Tecla 1$	ext{d}$ Aug, 1$	ext{d}$ Sept; La Libertad 1$	ext{d}$ 12 Dec.

(?) *Psoralis* sp. Tamanique 1$	ext{d}$ July. I include this and the next as matters of interest. Having failed to identify them, I do not include them in the totals, except as part of the unidentified material.

(?) *Tigasis* (?) sp. Tejutla 1$	ext{d}$ Aug (MS). See note above.


*Vettius onaca* Evans, 1955. (475 152). Range Mexico to Honduras. As pointed out by Monroe & Miller (1967), Evans’ placement of *onaca* as a subspecies of *fantos* (Stoll, 1780) was in error as both fly together in the northern part of the
range of _fantasos_. San Salvador 1² Dec (MS); Cerro Las Pavas 1³ July (MS); Los Chorros 1³ April, 2³ Sept, 1³ Oct (VH); 1³ Dec; Santa Tecla 1³ Feb, 1³ Aug, 1³ Oct; San Isidro 65° Jan, 2³ Dec; Cerro Verde 1³ June, 2³ Dec; Tamanique 1³ April, 1³ 12 Oct, 75° 2³ Nov, 3³ Dec; Cerro San Jacinto 4³ 2³ 2³ Jan, 3³ 1³ Sept, 3³ Nov, 75° 1³ Dec; Sta Tecla-Comasagua Rd. 1³ Sept; Majaditas 2³ Feb; Ilopango 1³ Jan; no data available 1³ (BMNH).

*V. fantasos* (Stoll, 1780). (123 6²). Range Mexico to Paraguay. San Salvador 1³ Sept (MS); La Libertad 1³ Jan, 1³ 12 April, 2³ June, 1³ Aug, 2³ 1³ 4² Nov, 3³ 1³ Dec; Rio El Molino 1³ May. #*V. tertianus* (Herrick-Schäffer, 1869). (12). Range Chiapas, Mexico (Stein­hauser, 1974) to Colombia. Santa Tecla 1³ Sept.


(?)_Eutychide subcordata_ (Herrick-Schäffer, 1869). (12). Evans (1955) shows two subspecies; _subcordata_ and _ochus_ Godman, 1900. Differences in the genitalia as well as maculation suggest that these are separate valid species. The range given for _ochus_ is Mexico and Nicaragua (based on 3 specimens in BMNH); for _subcordata_, Colombia to Peru and Brasil. It appears unlikely that this insect is correctly identified. I include it as a doubtful species which is not to be included in the totals as an El Salvador record. San Salvador 1³ April (FS).


*Argon argus* (Möscher, 1878). (75 10). Range El Salvador to Argentina. Food plant various palms. San Salvador 3³ Jan, 1³ 3³ Feb, 1³ Mar (MS), 1³ 1³ Sept (1³ U), 2³ Dec; Santa Tecla 1³ Sept; La Libertad 1³ April, 1³ May, 1³ 1³ 1³ Aug.


*Telles arcalaus* (Stoll, 1782). (1³ 12). Range El Salvador to Peru. Food plant _Heliconia collinsiana_ and _Musa_ sp. (Musaceae) in general. San Salvador 1³ Mar (U), 1³ Nov (MS); Ilopango 1³ Feb.

*Carystoides ilia* Evans, 1955. (33 32). Range El Salvador to Ecuador. Food plant an un-identified small palm growing in a shaded ravine at Los Chorros. Victor Hellebuyck reports seeing adults flying about just after daybreak and then hiding during full daylight. San Salvador 1³ Feb (MS), 1³ Aug (MS); Los Chorros 2³ 2³ Mar (VH).

*+Perichares philetes adea* (Hewitson, 1867). (213 13). Range Mexico to Brasil. San Salvador 1³ June (MS), 3³ Aug (1 MS, 2 FS), 1³ Sept (MS); Los Chorros 1³ Aug (MS), 1³ Oct (VH), 1³ Dec (U); Santa Tecla 1³ 1³ Jan, 1³ 1³ July, 1³ 1³ Aug, 3³ 2³ Sept, 1³ Oct, 3³ 4³ Dec; La Libertad 1³ Aug, 2³ Nov; San Isidro 1³ July; Cerro Verde 1³ Aug; Cerro San Jacinto 1³ Dec; Hda. Montecristo 1³ Oct (U).


*P. deceptus deceptus* (Butler & Druce, 1872). (15). Range El Salvador to Costa
Diaethria septentrionalis Scudder, 1870. (12). Range USA to Colombia. Los Chorros 1° Sept.

Quinta connae (Herrich-Schäffer, 1869). (603 602). Range Mexico to Argentina. Food plant Canna and Calathea macrosepala (Musaceae). This skipper and Calpodes ethlius frequently infest decorative plantings of Canna so heavily as to nearly defoliate the plants. The larvae are frequently parasitized by nematodes which can be seen through the nearly transparent skin of still living larva. San Salvador 1° July (MS), 1° July (MS), 1° Aug (MS), 1° Sept (MS), 3° 30 Dec (1° 19 VH); Santa Tecla 1° 50 Jan, 1° 10 Feb, 2° 42 Mar, 3° 30 April, 1° 12 May, 1° 22 June, 1° 18 July, 5° 52 Aug, 9° 1° 2 Sept, 4° 1° 2 Oct, 1° Nov, 3° Dec; La Libertad 2° 7° Jan, 1° Aug, 1° 1° 7° Nov, 7° 1° 2° Dec; San Isidro 1° Aug; Cerro Verde 1° Aug.

Cynea irma (Möschler, 1878). (5° 62). Range Mexico to Brasil. Food plant Calathea macrosepala (Musaceae); larvae were successfully transferred to Canna sp. Usulutan 1° July (VH); La Libertad 1° Feb, 2° Nov, 4° 32° Dec.

C. megalops (Godman, 1900). (12). Range Mexico to Ecuador. Food plant Heliconia collinsiana (Musaceae). Cerro San Jacinto 1° Jan.

C. cenea (Hewitson, 1876). (3° 32°). Range Mexico to Venezuela and Colombia. An interesting sidelight indicating the perilous nature of romance was the capture of a female (Santa Tecla 13.5.x.71) with the penis of her last lover still inserted in the ductus bursae. San Salvador 1° Sept (U); Los Chorros 1° Oct (VH); Santa Tecla 1° 1° 5 Aug, 1° 1° 7° Oct, 1° Nov.

Rhinthon cubana osca (Plötz, 1883). (4° 6°). Range Mexico to Ecuador. Vol. Conchagua 1° Aug (MS); Santa Tecla 1° 7° Jan, 3° 1° 7° July, 2° Aug, 1° Oct; San Isidro 1° Sept.

Mucia zygia (Plötz, 1886). (7° 6°). Range Mexico to Argentina. Los Chorros 1° July (MS); Santa Tecla 2° 2° 22 July, 2° Aug, 3° 3° 2° Sept.

Decinea perciosus (Godman, 1900). (3° 2°). Range USA to Guayana. These were determined by H. A. Freeman in May, 1973. Santa Tecla 1° July, San Isidro 1° Sept, 1° Nov; Cerro San Jacinto 1° May; Ilopango 1° Jan.

+Conga chydaea (Butler, 1870). (663 362). Range Mexico to Argentina. Los Chorros 1° Mar (MS), 1° 7° Sept, 1° 1° 7° Oct; Santa Tecla 1° Mar, 2° 3° 7° June, 2° 7° July, 8° 2° 2 Aug, 1° 2° 7° 2 Sept, 5° 3° 2° Oct, 1° 2° Dec; La Libertad 1° June, 1° 2° Oct, 2° Nov; Tamanique 1° July, 1° Dec; Cerro San Jacinto 1° Nov, 1° 2° Dec; San Salvador 1° Aug (FS as Panoquina vaga) (Mabille, 1891).

Anchoxypha arene (Edwards, 1871). (12° 5°). Range USA to Costa Rica. San Salvador 1° 2° Dec (MS); Rio Apancoyo 1° Oct (VH); Santa Tecla 2° 2° 2 Jan, 1° Mar, 2° Aug, 1° Oct, 2° Dec; Cerro Verde 2° Dec; Cerro San Jacinto 1° Jan; Citala 1° Oct.

+Copaeodes aurantiaca (Hewitson, 1868). (1° 9°). Range USA to Panama. I am inclined to question this, but as it is a species found on both sides of El Salvador let it stand. San Salvador 1° 7° June (FS).

C. minima (Edwards, 1870). (5° 9°). Range USA to Costa Rica. San Salvador 1° 7° Jan (MS), 1° July (VH); Santa Tecla 1° 4° 2° Jan, 1° Mar, 1° June, 1° 2° July, 1° Dec; Citala 1° 7° Feb.

+Hylephila phyleus phyleus (Drury, 1773). (643 352). Range USA to Argentina. San Salvador 1° 2° June (1° 7° FS, 1° MS), 3° 7° July (2° FS, 1° MS), 4° 3° Oct (1° MS, 2° VH, 1° U); Los Chorros 1° 7° Nov (VH); Santa Tecla 9° 3° Jan, 3° 7° Feb, 5° 2° Mar, 1° April, 1° May, 2° 4° June, 7° 7° July, 1° 2° Aug, 8° 2° 2° Sept, 1° 2° Dec, 2° 2° 2° Dec; La Libertad 1° June; Cerro Verde 1° 2° 2° June, 1° Aug; Cerro San Jacinto 1° May; no data available 1° (BMNH).

Yvretta carus subreticulata (Plötz, 1882). (5°). Range Mexico to Honduras. Santa Tecla 2° June, 1° 7° July, 1° 7° Sept, 1° Dec.

+Polites vibex praeecept (Scudder, 1872). (32° 14°). Range USA to Peru. San Salvador 1° Jan (VH), 1° 2° April (MS), 1° 1° 7° June (MS); Santa Tecla 1° 7° Feb, 6° Mar,
Atrytone mazai  
Freeman, 1969. (1.5). Range Texas to El Salvador. Santa Tecla 1st Aug.

Poanes zabulon (Boisduval & LeConte, 1829). (59° 15'). Range USA to Panama. In El Salvador seldom found below 1800 m. Cerro Verde 1st May (U), 3rd 1st June, 6th 1st Aug, 8th 16th 16th Dec (1st V); Majaditas 1600 m. 1st Feb; Hda. Montecristo 1st Jan, 3rd 1st Feb, 11th 16th Mar, 5th 1st April, 1st May, 16th Nov, 16th Dec.

P. inimica (Butler & Druce, 1872). (18° 14'). Range Mexico to Colombia and Venezuela. In El Salvador commonly flies with P. zabulon and Paratrytone melane poa, generally above 1800 m. Vol. San Miguel 12 Feb (VH); Cerro Verde 12 Jan (MS), 3rd 1st June, 5th 10th July, 1st Sept, 23rd Dec; Majaditas 1st Feb; Hda. Montecristo 1st Feb, 23rd Mar, 16th April, 3rd May.


#Paratrytone melane poa Evans, 1955. (115° 49'). Range Guatemala to Panama. In El Salvador usually found only above 1600 m. Las Brumas 1st Mar (VH); Los Planes 1st Aug (FS); Cerro Verde 3rd 1st Mar (1st MS), 16th April 30th 26th Aug (1st VH), 1st Sept, 19th 62nd Dec (1st VH); Tamanique 63rd 42nd June; Majaditas 3rd Nov; Hda. Montecristo 1st Jan, 12th Feb, 35th 82nd Mar (33° U, 22° VH), 23rd 12th April, 1st May, 16th 12th Dec.

#Mellana eulogius (Plotz, 1883). (5'). Range USA to Paraguay. Los Chorros 1st Nov (VH); Cerro San Jacinto 1st April (U); Santa Tecla 22nd June, La Libertad 1st Mar.

+M. gala (Godman, 1900). (25). Range Mexico to El Salvador (?). Evans (1955) shows gala as a synonym of monica (Plotz, 1886). I have examined the Holotype of gala in the USNM and it does not resemble the illustration of monica in Setz. The genitalia of gala have not been dissected thus cannot be compared with monica, but I feel certain they are distinct species. It is also worth noting that the known range of monica is Brasil whereas gala was described from Mexico. I reluctantly accept Franz & Schroder's (1954) identification of gala and include it in the list. San Salvador 1st July (FS), 1st Aug (FS).


M. myron (Godman, 1900). (25). Range given by Evans (1955) is Mexico to Costa Rica; he also listed 2 subspecies: verba Evans, 1955 from Costa Rica to Ecuador and inconspicua Hayward, 1950 from Bolivia and Peru, noting that the genitalia of verba differs from the other two. This suggests that verba may be specifically distinct. Until the confusion is cleared up, I shall treat all as distinct
species. The two specimens here listed were examined separately rather than directly compared. I originally determined the one in the Serrano collection as *myron* and that in the Allyn Museum as *verba*, but must admit that they are very likely the same and I have decided to apply the name *myron*, as a tentative determination. The entire genus *Melana* is in great need of revision. San Salvador 15 Jan (AM); Los Chorros 15 Sept (MS).


(*?*) M. sp. (22). These 2 un-identified females are placed here as a matter of interest as they probably represent at least one more species. They are not included as a record. Santa Tecla 25 June.


*Metron ehrysogastra ehrysogastra* (Butler, 1870). (125 22). Range Mexico to Colombia and Venezuela. San Salvador 15 Dec (MS); Los Chorros 15 Aug (MS), 15 Sept, 35 10 Oct (1 VH); San Isidro 15 Jan; Tamanique 15 Oct, 45 3 Nov, 15 3 Dec; Cerro San Jacinto 15 Jan.

*Amblyseirtes tolteca* (? Scudder, 1872. (285 82). Range Mexico to El Salvador. These specimens were determined tentatively as *tolteca* before publication by Freeman (1973) of his generic revision, and I have not had the chance to review them, thus the determinations remain uncertain. I have followed Freeman's treatment of all forms as valid species. San Salvador 15 June (MS); Vol. Conchagua 15 Aug (MS); Los Chorros 15 Mar (MS), 35 16 6 July, 15 3 Aug, 25 1 22 Sept; Santa Tecla 15 2 22 June, 75 15 July, 15 3 Aug, 15 3 Sept; Cerro San Jacinto 75 3 May; Ataco 15 3 Aug; Barrios 85 4 April.


*Calpodes ethlius* (Stoll, 1782. (142 192). Range USA to Argentina. Food plant *Canna* sp. Apastepeque 15 July (FS); Los Chorros 15 12 Aug (MS); Cerro Verde 45 3 Aug (2 VH); La Libertad 23 32 June (13 32 VH); Tamanique 15 July; Santa Tecla 25 32 May, 15 32 June, 25 15 July, 25 3 Aug, 32 Oct; Ataco 15 22 Aug.


*P. heebolus* Scudder, 1872. (85 52). Range Mexico to Paraguay. Rio Apancoyo 15 Oct (VH); Santa Tecla 15 Jan, 25 June, 45 32 July; no data available 15 (BMNH).

*P. sydica/sula* (Herrich-Schaffer, 1865). (245 152). Range USA to Argentina. San Salvador 15 19 July (131 MS, 19 VH); Vol. Conchagua 12 Aug (MS); Los Chorros 15 July (MS); Cerro San Jacinto 15 12 Nov (151 VH, 25 2 Dec; Santa Tecla 15 3 Mar, 75 30 July, 15 32 Aug, 65 32 Sept, 15 3 Oct, 15 3 Dec; La Libertad 25 3 Nov; Sta Teca-Comasagua Rd. 15 Sept; La Perla 15 12 Dec.

*P. evadnes* (Stoll, 1781. (142 42). Range Guatemala to Argentina. San Salvador 15 Oct (MS); Hda. La Carrera 15 July (VH); Santa Tecla 45 22 July, 15 Aug, 15 3 Sept.

*Zenis jebus janka* Evans, 1955 (25). Range Mexico to Peru. These key to *janka* except for 2 features; the mid tibiae are spined and the shape of the valva is slightly different. They may be a new species, but tentatively are placed here. Ilopango 15 Feb (VH); Hda. Montecristo 15 Mar.
Nyctelius nyctelius nyctelius (Latreille, 1824). (8♂ 5♀♀). Range USA to Argentina. Santa Tecla 1♂ 2♂ 3♂ 27 July, 1♂ Dec; Cerro Verde 1♂ 2♂ June.

Thespieus dalmani (Latreille, 1824). (8♂ 4♀♀). Range Mexico to Argentina. Santa Tecla 3♂ July, 1♂ Aug; Cerro Verde 1♂ Aug; Tamanique 1♂ Oct, 2♂ Nov, 1♂ Dec.

T. macareus (Herrich-Schäffer, 1869). (12♂ 8♀♀). Range USA to Venezuela and Colombia. Cerro Cacaguatique 1♂ 3♂ Mar (VH); Santa Tecla 1♂ June, 2♂ July, 3♂ Aug; Cerro Verde 2♂ 3♂ June, 3♂ 1♂ Aug; Hda. Montecristo 1♂ Feb, 1♂ 3♂ Mar (1♂ U). T. aspernatus Draudt, 1924. (2♂ 1♂). Range Mexico to Paraguay. Ataco 1♂ Aug; Tamanique 1♂ 1♂ July.

#Vacerra bonfilius aea (Plotz, 1882). (2♂). Range Mexico to Colombia. Santa Tecla 1♂ Aug; La Libertad 1♂ Dec.

#V. lachares Steinhauser, 1974. (2♂ 3♀♀). Range Mexico to Argentina. Santa Tecla 1♂ July, 1♂ Aug, 1♂ Sept, 1♂ Nov; Cerro San Jacinto 1♂ Jan.

Oxytides xanthaphes Hubner, 1821. (3♂ 1♀). Range Mexico to Paraguay. San Rafael 1♂ Oct (VH); Coatepeque 1♂ Aug (MS); La Libertad 1♂ Nov; La Perla 1♂ Jan.

N. nikko Hayward, 1948. (45♂ 20♀♀). Range Mexico to Argentina. San Salvador 3♂ Aug (MS); 1♂ Sept (U), 1♂ Oct (U); Ilopango 1♂ Feb (VH); Santa Tecla 1♂ Jan, 3♂ 22 June, 2♂ 19 July, 5♂ 1♂ Aug; 7♂ 2♂ Sept; Cerro San Jacinto 1♂ Jan, 1♂ Dec; Ataco 1♂ Aug.

Saliana triangularis (Kaye, 1913). (4♂ 2♂). Range Mexico to Argentina. Food plant Calathea macrosepala (Musaceae). San Salvador 1♂ Oct (MS); Ilopango 1♂ 1♂ Feb (U); Los Chorros 1♂ June; Tamanique 1♂ 1♂ Dec.

S. fusta Evans, 1955. (6♂ 10♀♀). Range Mexico to Brasil. Food plant C. macrosepala. S. fusta is easily confused with triangularis. Besides differences noted by Evans (1955), the palpi beneath are whitish in fusta, ochreous in triangularis. San Salvador 1♂ June (MS), 1♂ Oct (MS); Los Chorros 1♂ June, 1♂ 22 July (1♂ 1♂ MS, 1♂ VH), 1♂ 19 Oct (1♂ VH); La Libertad 1♂ Feb, 1♂ June, 1♂ Nov, 1♂ Dec; San Isidro 1♂ 1♂ June; La Perla 1♂ Oct; Ataco 1♂ Feb.

S. esperi Evans, 1955. (3♂ 5♀♀). Range Mexico to Brasil. Los Chorros 1♂ Feb (VH); La Perla 1♂ Jan, 1♂ Dec.

S. antoninus (Latreille, 1824). (1♂). Range Guatemala to Brasil. Santa Tecla 1♂ Sept.

S. longirostris (Sepp, 1848). (7♂ 6♀♀). Range Mexico to Brasil. Food plant Heliconia latispathia (Musaceae). Lago Channico 1♂ Jan (VH); San Salvador 1♂ Dec; 3♂ 1♂ 12 Sept, 1♂ 1♂ 19 Dec (1♂ MS); Santa Tecla 1♂ Jan, 1♂ Mar, 1♂ Oct; Cerro San Jacinto 1♂ Dec.

Thracides phidon (Cramer, 1779). (4♂ 4♀♀). Range Mexico to Brasil. Food plant Musa sp. and Heliconia collinsiana (Musaceae). San Salvador 1♂ Feb (U), 1♂ Nov; Ilopango 1♂ 19 Mar (VH); Los Chorros 1♂ Aug (MS); Cerro San Jacinto 2♂ Jan, 1♂ 2♂ Feb.

Neoxeniades scipio luda (Hewitson, 1877). (1♂). Range El Salvador to Colombia. San Salvador 1♂ Jan (VH).

COLLECTING SITES

All of the collecting sites mentioned in the list are tabulated below. Where possible, brief descriptions of the environment are given. However, several of the localities where I have not collected personally had to be described either from my general knowledge of the country or from verbal descriptions given by collectors who know the areas. Several localities (those with no description) are either too...
ambiguous to describe or completely unknown to me. Those that I have been unable to locate at all are grouped at the end of the list. The number preceding each site refers to its location on the index map.

1. Hda Montecristo 2200-2400m. Virgin cloud forest and some "pena wind scrub" on the upper slopes and summits of Cerros Miramundo and Montecristo. This is the extreme northwest corner of the country where El Salvador joins Guatemala and Honduras. The fauna and flora are very distinctive.

2. Miramundo and Los Planes 1800-2100m. Open pasture, temperate pine and deciduous forest and "pena wind scrub" just below the Miramundo cloud forest. This area, centering on the Hda. Los Planes, is the site of an experimental FAO reforestation project and recently has been seeded in pine and cypress.

3. Majaditas 1300-1600m. Coffee plantation and partially cleared temperate pine and deciduous forest on the lower slopes of Cerro Miramundo above Metapan.

4. Metapan 300-800m. Several different collecting sites in and around Metapan are lumped here. The environment includes semi-arid brush, open pasture, coffee plantations, secondary growth lowland forest and residential gardens.

5. Citala 700-1000m. Collecting was along 5 kms. of trail between Citala and San Ramon. Semi-arid brush with some remnants of temperate pine and deciduous forest in the higher parts.

6. San Ignacio. Exact site not known, may be high country on Honduras border.

7. La Palma 1800m. Secondary growth temperate pine and deciduous forest.

8. Tejutla. The area around Tejutla is generally semi-arid brush with secondary growth forest along streams. I am not familiar with the collecting sites.


10. Santa Ana.

11. Rio El Molino 600m. Coffee plantation and secondary growth tropical rain forest along streams about 3 kms. west of Ahuachapan.

12. Ataco. The general area is tropical rain forest and coffee plantation at about 900-1300m. All my specimens were taken in one day from the flower garden of a friend in the town of Concepcion de Ataco. The elevation was not recorded.

13. Hda. Ashuqueman. Described by Hellebuyck as remnants of cloud forest and temperate deciduous forest above the town of Tacuba, probably between 1800 and 2000m.


15. San Isidro 100m. Dense secondary growth tropical rain forest along a small mountain stream on the east flank of Cerro Verde about 5 kms. by road from the large sugar mill of San Isidro.

16. Cerro Verde 1600-2000m. Most collecting was from the extensive gardens of
the Hotel de la Montaña in a "semi" cloud forest environment at the summit of Cerro Verde, and along the road below the forest in secondary growth temperate deciduous forest and coffee plantation.

17. Las Brumas 1800-1900m. Temperate deciduous forest and coffee plantation in the saddle between Cerro Verde and Volcan Santa Ana. This and the Cerro Verde site are contiguous.

18. Atecozo Park 400m. Tropical rain forest from which the understory has been removed and replaced with decorative plantings. The park is at the foot of Volcan Izalco. Natural springs have been dammed to provide several swimming areas and the park is bordered by a small stream.

19. La Chanmico.

20. Quezaltepeque.

21. Los Chorros 500m. This is another park in a canyon on the west flank of Cerro Boqueron in tropical rain forest with decorative plantings and spring-fed swimming areas. Collecting is good in secondary growth and understory in the shaded canyon above the park as well as in flower plantings, from flowering shrubs and along seeps in the park itself.

22. Santa Tecla 900m. A developed residential area amid coffee plantation and secondary growth tropical rain forest. Most collecting was in my flower garden and along a small quebrada carrying sewage through coffee plantation.

23. Sta. Tecla - Comasagua Road 1200m. A 5 kms. stretch of road along a ridge in secondary growth tropical rain forest and coffee plantation.

24. Comasagua 1200m. Same as 23 about 5 kms. east along the ridge.

25. Cerro Boqueron 1100m. A small mountain stream in coffee plantation and secondary growth forest transitional between tropical rain and temperate deciduous. The site is on the south flank of Cerro Boqueron above Santa Tecla.

26. Picacho 2000m. Temperate deciduous forest approaching rain forest characteristics. Cerro El Picacho, also called Cerro San Salvador, is an erosional remnant of the rim of a once huge volcanic cone now occupied by Cerro Boqueron, an intermittently active volcano.

27. San Salvador 600-800m. The minor collecting done by me in San Salvador was at the office compound where I worked and on the grounds of the University. How much area is included as San Salvador by Franz & Schroder (1954), I do not know. Much of the Serrano collection from San Salvador came from a forested zone up the slopes of Cerro Boqueron that has since been destroyed.

28. San Salvador 800-900m. Coffee plantation and secondary growth tropical rain forest with some open pasture in the hills overlooking San Salvador from the southeast. I have included here the very few specimens from Puerta del Diablo in the same area but slightly higher.

29. Ilopango 500m. Two separate areas about 5 kms. apart are included here; one a residential garden area on the lake shore and the other a small stream in secondary growth tropical rain forest below open pasture and cultivated land near the airport.

30. Apopa.

31. Santo Tomas 1000m. Coffee plantation and secondary growth tropical rain forest just south of San Salvador.

32. San Rafael.

33. Sensuntepeque.

34. Presa El Guayabo 200m. The general environment is semi-arid brush, open pasture and some secondary forest growth along streams. All collecting here was in one day in the housing compound of the hydroelectric station.

35. Tamanique 1000-1300m. An area between 6 and 10 kms. north of Tamanique with small streams in secondary growth tropical rain forest and abandoned coffee plantation. Some of the best collecting here was from flowering shrubs and trees along the road.

36. La Libertad 10m. Tropical lowland forest, secondary brush and open pasture on the littoral highway 5 kms. east of La Libertad. The best collecting was in
partly cleared forest along a small stream.

37. El Balsamar 10m. A resort area 10 kms. west of La Libertad on the coast with the same general environment as 36.

38. La Perla 0-30m. Tropical lowland forest with a small stream on the coast about 25 kms. west of La Libertad.

40. Cojutepeque.
41. Cerro Las Pavas.
42. Apastepeque.
43. Puerta Cuscatlan 100m. A small patch of lowland tropical forest surrounded by cane fields and pasture.

44. Vol. San Miguel.
45. San Miguel.
46. Cerro Cacaguatique.
47. Meanguera 300m. Semi-arid brush with some secondary growth lowland forest along streams.

48. Loma Larga. Hot, arid brush. The type series of *Celaenorrhinus fritzgertneri* were taken from 800 feet within the Loma Larga silver mine in complete darkness.

49. Barrios 500-600m. Similar to 47 but with some secondary growth tropical rain forest along streams in an area near Ciudad Barrios.

50. Usulutan.
51. La Union.

Unlocated sites: Hda La Carrera (Usulutan); Shalpa (La Libertad); Tecomatepec; Ayagualo.

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LITERATURE CITED


APPENDIX

Hesperiidae species not yet known from El Salvador, but with reasonable expectation of discovery.

It is obvious that the preceding list of Hesperiidae of El Salvador does not include all of the species that eventually will be, nor even have been encountered there but for which I have not found records. Below is a list of species with a reasonable expectation of discovery, divided into three parts. Those with an excellent, with a good and with a slight chance of occurring there. These categories are roughly defined as follows: "excellent" signifies in general those species reported to occur both northwest and southeast of El Salvador; "good" signifies those species known from Guatemala and north but not southeast or from Honduras and south but not northwest; "slight" refers to species reported from one side only and from either Nicaragua, Belice or Chiapas and southern Oaxaca in Mexico. They are not hard and fast categories in that I have used personal judgement in many cases to shift a species from one to another or to discard it completely.

All this is perhaps a mere exercise in futility, but it does indicate that in one man's opinion there is an excellent chance of finding an additional 138 species, a good chance for 43 more and at least a slight chance for an additional 48, a possible total of 229.

EXCELLENT CHANCE

Pyrrophyne phidias evansi Bell, 1947
P. phidias zenodorus Godman & Salvin, 1893
P. chalybea chloris Evans, 1951
P. cosyra Druce, 1875
P. maculosa erythroicta Godman & Salvin, 1879
Jenada hospita pseudognetus (Mabille, 1878)
Mysoria barcastus ambigua Mabille & Boulet, 1908
Myccerus pegasus perissodora Dyar, 1915

Pyrginae

Phocides thermus thermus Mabille, 1883
Udranomia orcinus (Felder, 1867)
Entheus matho matho Godman & Salvin, 1879
Epargyreus aspina Evans, 1952
E. spina spina Evans, 1952
E. clavicorns tenda Evans, 1952
E. spinosa Evans, 1952
Aguna claxon Evans, 1952
A. coelus (Stoll, 1781)
A. albistria leucogramma (Mabille, 1888)
Ptyphedanus ampyx (Godman & Salvin, 1893)
Ploythrix procerus (Ploetz, 1881)
Codatracius melus (Godman & Salvin, 1893)
C. cyda (Godman, 1901)
Ridens mephtis (Hewitson, 1876)
R. bridgmani (Weeks, 1902)
Astraptes tucti Williams, 1927
A. talithybus Mabille, 1888
A. phalaeus Godman & Salvin, 1893
A. apastus apastus (Cramer, 1777)
A. granadensis MÖschler, 1878
A. colossus colossus Herrich-Schäffer, 1869
A. hopfferi Ploetz, 1882
A. latimargo bifascia Herrich-Schäffer, 1869
A. chiriquensis chiriquensis Staudinger, 1875
Autocthon longipennis (Ploetz, 1882)
A. bipunctatus (Gmelin, 1790)
Achalarus jalapus Ploetz, 1882
Venada advena (Mabille, 1889)
Bungalotis midas (Cramer, 1775)
Dyscophellus nicephorus (Hewitson, 1876)
D. phraxanor lama Evans, 1952
D. porcius porcius (Felder, 1862)
Nascus phintias Schaus, 1913
N. solon corilla Evans, 1952
Celaenorrhinus monartus Ploetz, 1884
C. stallingsi Freeman, 1946
C. similis stola Evans, 1952
Cogia caicus caicus (Herrich-Schäffer, 1869)
Telemiades delandei Latreille, 1824
T. nicomedes nicomedes MÖschler, 1878
T. sila Evans, 1952
T. auitus (Stoll, 1781)
Mimia phidyl phidyla (Godman & Salvin, 1894)
Mictris crispus caerula (Mabille, 1877)
Polyctor enops (Godman & Salvin, 1894)
Nisoniades laurentina Williams & Bell, 1939
N. macarius Herrich-Schäffer, 1870
N. castolus Hewitson, 1878
Pellicia angra angra Evans, 1953
Bolla cylindus (Godman & Salvin, 1896)
B. cyclops cyclops (Mabille, 1876)
Staphylus imperospicua Hayward, 1940
S. vincula (Ploetz, 1886)
Dieus lacaena varna Evans, 1953
Quleus colavius (Godman & Salvin, 1895)
Zera nolkeni (Mabille, 1891)
Z. tetrastigma tetrastigma (Sepp, 1848)
Quadrus contubernalis (Mabille, 1883)
Pythonides amaryllis Staudinger, 1876
P. jovianus (Stoll, 1782)
P. proxenus Godman & Salvin, 1895
P. limaea pteras Godman & Salvin, 1895
Mylon zephus zephus (Butler, 1870)
M. cajus hera Evans, 1953
Aethula echina echina Hewitson, 1870
Achlyodes pallida Felder, 1869
Anastrus tolimus Ploetz, 1884
A. robigus Ploetz, 1884
A. peticus peto Evans, 1953
A. meliboae meliboae Godman & Salvin, 1894
Ebrietas oeyris (Staudinger, 1876)
E. evanidus (Mabille, 1887)
Camptopleura theramenes Mabille, 1877
Chiomara mithrax Moschler, 1878
Heliopetes laviana laviana Hewitson, 1868

Hesperinae

Dalla lalage lalage (Godman, 1900) or D. l. lathaea Schaus, 1913
D. faula faula (Godman, 1900) or D. f. lysis Schaus, 1913
Faiga sciras Godman, 1901
Callimormus radiola radiola Mabille, 1878
Mnasicles geota Godman, 1901
Mnaseas bicolor bicolor (Mabille, 1889)
Vidius perigenes (Godman, 1900)
Nastra leucone leucone (Godman, 1900)
Cymoenaes triplunctus theogenis Capronnier, 1874
C. triplunctata alumna Butler, 1877
Papias phaeomelas (Geyer, 1831)
P. nigrans Schaus, 1913
Cobalopsis nero (Herrich-Schäffer, 1869)
Morys geisa lyde Godman, 1900
Tigasis salutes Godman, 1900
Vettius lafresnayei pica (Herrich-Schäffer, 1869)
V. aurelius (Ploetz, 1882)
V. marcus (Fabricius, 1787)
V. conka Evans, 1955
Turesis lucas (Fabricius, 1793)
Justinia phaetusa norda Evans, 1955
Eutychide complana (Herrich-Schäffer, 1869)
E. subcordata ochus Godman, 1900
Enosis immaculata immaculata (Hewitson, 1868)
Vertica verticalis coatpeca (Schaus, 1902)
Talides sinois cantra Evans, 1955
Caryius phorcas phorcas (Cramer, 1777)
Cobalus virbius fidicula Cramer, 1777
Damas clavus (Herrich-Schäffer, 1869)
Carysoides basoche basoche (Latreille, 1824)
Lychnucoidea saptine (Godman & Salvin, 1879)
Orses cynisca (Swainson, 1821)
Cynea anthracinus anthracinus (Mabille, 1877)
C. diluta (Herrich-Schäffer, 1869)
Decinea decinea derisor (Mabille, 1891)
D. lucifer (Hübner, 1831)
Orthus gabina (Godman, 1900)
Pompeius ambyopila (Mabille, 1897)
P. dares (Plötz, 1883)
Mellana clavus (Erichson, 1848)
M. helva (Möschler, 1876)
Librita librita (Plötz, 1886)
Euphyes penel Godman, 1900
Atrytonopsis ovina ovina (Hewitson, 1866)
Amblyscirtes elissa Godman, 1900
A. prenda Evans, 1955
Panoquina fusina evansi Freeman, 1946
P. pauper pauper (Mabille, 1878)
Zenitis minos (Latreille, 1824)
Niconiades viridis vista Evans, 1955
Aides dysoni Godman, 1900
Saliana salius (Cramer, 1775)
S. saladin saladin Evans, 1955
Neoxeniades motion (Godman, 1901)

138 species with an excellent chance of being found, (8 Pyrrhopyginae, 76 Pyrginae and 54 Hesperiinae).

GOOD CHANCE

Pyrrhopyginae

Pyrrhopyge jonas Felder, 1859
P. viriditas Skinner, 1920
Mysoria amra (Hewitson, 1871)
M. affinis (Herrich-Schäffer, 1869)
Oxyneta hopfferi Staudinger, 1888

Pyrginae

Phocides distans licinus Möschler, 1878
Phanas ritma Evans, 1952
Drephalys oriander oria Evans, 1952
Hyalothyrsus neleus pemphigargyra Mabille, 1888
Polythrix metallescens (Mabille, 1888)
Astraptes parisihelen Evans, 1952
Achaiares tehuacane (Draud, 1922)
Bungalois erythus (Cramer, 1775)
Dyscophellus ramosis ramon Evans, 1952
Cephise cephise cephise (Herrich-Schäffer, 1869)
Pyrdalus corbulo cora Evans, 1953
Bolla subapicatus Schaus, 1902
B. saletas (Godman & Salvin, 1896)
Staphylius mazans (Reakirt, 1866)
Ouleus bubaris (Godman & Salvin, 1895)
Quadrus anicius (Godman & Salvin, 1893)
Pythonides grandis assecla Mabille, 1883
Systasea pulverulenta (Felder, 1896)
Tosta platypterus (Mabille, 1895)

Hesperiinae

Piruna brunnea (Scudder, 1872)
P. cingo somбра Evans, 1955
Virga virginius (Möschler, 1882)
Moeris duena Evans, 1955
Paracarystus hypoga pyra (Herrich-Schäffer, 1869)
Eutychide asema (Mabille, 1891)
Enosis angularis infuscata (Plötz, 1882)
Dubiella fiscella helpe Evans, 1955
Carystoides hondura Evans, 1955
Decinea zapota Evans, 1955
Pompeius tinga Evans, 1955
Atrytone logan (Edwards, 1863)
Paratrytone nieolimbus (Mabille, 1889)
Mellana fieldi (Bell, 1942)
M. mexicana (Bell, 1942)
Euphyes ampa Evans, 1955
Metron fasciata (Möschler, 1876)
Aides brino (Stoll, 1781)
Neoxeniades seron seron (Godman, 1901)

43 species with a good chance of being found, (5 Pyrrhopginae, 19 Pyrginae and 19 Hesperiinae).

SLIGHT CHANCE

Pyrrhopginae

Pyrrhopge crida (Hewitson, 1871)
P. a. araxes Hewitson, 1867
Azonax typhaon (Hewitson, 1877)

Pyrginae

Tarsocotenus corytus gaudialis (Hewitson, 1876)
Phanus obscurior obscurior Kaye, 1924
Epargyreus zestos Geyer, 1822
E. clarus (Cramer, 1775)
Polythrix augius (Hewitson, 1867)
Codatracus arizonensis (Skinner, 1905)
Urbanus carmelita trebsa (Möschler, 1878)
Astraptes apastus apastus (Cramer, 1777)
A. cretatus cretatus Hayward, 1939
Salatis salatis (Stoll, 1782)
Cogia mala Evans, 1953
Telemiades antiope antiope Plötz, 1882
Mimia chaiensis Freeman, 1969
Spioniades abbreviata abbreviata Mabille, 1888
Morina fissimacula pelarge (Godman & Salvin, 1893)
Gorgopas chlorocephala chlorocephala (Herrich-Schäffer, 1870)
Staphylus veytius Freeman, 1969
Zera belti (Godman & Salvin, 1894)
Quadrus francesius Freeman, 1969
Gindanes brebissoni panacetus Godman & Salvin, 1895
Sostrata pusilla pusilla Godman & Salvin, 1895
Potamanaxas unifasciata (Felder, 1867)
P. thoria (Hewitson, 1870)
P. latyrea latrea (Hewitson, 1875)
Antigonus funebris Felder, 1869
Tosta gorgus (Bell, 1957)
Cycloglypha enega (Müschler, 1876)

Hesperiinae

Pheraeus odilia epidius (Mabille, 1891)
Sodalia sodalis (Butler, 1877)
Thargella caura caura (Plötz, 1882)
Mnasitheus cephooides Hayward, 1943
Vettius diversa maeon (Mabille, 1891)
V. artona (Hewitson, 1868)
Thoon aestus Hayward, 1950
Enosis pruinos pruinos (Plötz, 1882)
Orphe gerasa (Hewitson, 1871)
Carystoides sicania orbis Godman, 1901
Cynea corpore (Herrich-Schäffer, 1869)
C. nigricola Freeman, 1969
Euphyes chamuli Freeman, 1969
Tirynthia conflua (Herrich-Schäffer, 1869)
Vacerra egl (Hewitson, 1877)
V. gayra Dyar, 1918
Niconiades comitana Freeman, 1969
Saliana severus (Mabille, 1895)

48 species with a slight chance of being found, (3 Pyrrhopyginae, 27 Pyrginae and 18 Hesperiinae).