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AN ANNOTATED LIST OF THE HESPERIIDAE OF EL SALVADOR

Stephen R. Steinhauser

Research Associate, Allyn Museum of Entomology;
Apartado Aereo 20433, Cali, Colombia

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 Hesperinae of which one is extremely doubtful, leaving 9 new Hesperinae records. Volume 4 (1955) of Evans' catalogue added 6 more Hesperinae records. Three Pyrginae were added by Steinhauser (1972) and 8 Pyrginae and 10 Hesperinae (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 Muyschondt 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

Coll.	Pyrrhopyginae		Pyrginae		Hesperiinae		Total	
	No. Spec.	Examples	No. Spec.	Examples	No. Spec.	Examples	No. Spec.	Examples
AM			1	3	1	1	2	4
BMNH			46	56	8	9	54	65
B			1	12			1	12
FS			22	71	9	16	31	87
MS	3	4	98	188	58	102	159	294
U			53	82	25	31	78	113
VH			66	115	44	71	110	186
RB			9	11	1	1	10	12
SLS	3	3	148	4373	114	2705	265	7081
Total	4	7	155	4911	125	2936	284	7854*
New Record	4		89		100		193	

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

PYRRHOPYGINAE

Elbella scylla scylla (Ménétriés, 1855). (1♂ 1♀). Range Mexico to Nicaragua. Hindwing is narrowly white before fringe, trending toward the subspecies *dulcinea* (Plötz, 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.

M. belti Godman & Salvin, 1879. (1♀). Range Guatemala to Costa Rica. Cerro Boqueron 1♀ Oct.

PYRGINAE

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. (9♂ 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* Mabille, 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 1♂ Mar (VH), 1♂ Oct, 1♀ Nov (VH), 2♀ Dec (1 RB, 1 U); Santa Tecla 1♂ Jan, 1♂ 1♀ July, 1♂ 1♀ Sept, 1♂ 1♀ Nov; Los Chorros 1♂ July (MS); Ilopango 1♀ Feb (VH); La Perla 1♂ Jan; La Libertad 1♂ Nov.

P. urania urania (Westwood, 1852). (27♂ 11♀). 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 2♂ Jan (U), 1♂ 1♀ Feb, 21♂ 6♀ Mar (4♂ VH, 1♂ MS), 1♂ May; Cerro Verde 2♂ 4♀ Aug.

+ *Phanus vitreus* (Stoll, 1781). (8♂ 10♀). 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 1♀ July (MS), 1♂ Aug, 1♀ Nov (FS); Santa Tecla 3♂ 3♀ July, 1♂ 2♀ Aug, 2♀ Sept; Cerro Las Pavas 1♀ Aug (MS); Cojutepeque 1♂ July (MS); Cerro San Jacinto 1♂ Nov; Tamanique 1♂ Aug.

P. marshallii Kirby, 1880. (2♂). Range Mexico to Brasil. Rests beneath leaves with wings flat. La Libertad 2♂ Nov.

Udranomia kikkawai (Weeks, 1906). (1♂). Range Mexico to Brasil. La Libertad 1♂ Nov.

Proteides mercurius mercurius (Fabricius, 1787). (2♂ 2♀). Range USA to Argentina. San Salvador 1♂ Nov. (MS); Hda. La Carrera 1♂ July (VH); Santa Tecla 1♀ Aug; La Libertad 1♀ Nov.

Epargyreus socus orizaba Scudder, 1872. (3♂). 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 2♂ Mar (1♂ VH); Hda. Montecristo 1♂ Mar (U).

**E. exadeus cruza* Evans, 1952. (144♂ 66♀). 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 1♀ no date (RB), 2♂ April (1 RB, 1 FS), 6♂ July (FS), 3♂ 1♀ Aug (FS), 3♂ Sept (FS), 2♂ Oct (FS), 1♀ Sept (U), 1♀ Nov (U); Santa Tecla 1♀ Jan, 1♂ 1♀ Mar, 1♀ April, 1♀ May, 15♂ 2♀ June, 29♂ 16♀ July, 3♂ 5♀ Aug, 56♂ 27♀ Sept, 3♀ Oct, 1♀ Nov, 2♀ Dec; Sta. Tecla-Comasagua Rd. 4♂ Sept; Cerro San Jacinto 2♂ 1♀ Jan, 1♂ Dec; Los Chorros 1♂ Mar (VH), 2♂ Sept (MS), 1♀ Oct (VH), 1♂ Nov (VH); Quezaltepeque 1♂ Feb (U); San Isidro 1♂ July; Rio El Molino 4♂ April, 3♂ May; La Libertad 1♂ Feb; Hda. Montecristo 2♂ Mar; no data available 1♂ (BMNH).

**Polygonus leo leo* (Gmelin, 1790). (22♂ 14♀). 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 2♂ 1♀ Jan, 1♀ Feb (U), 12♂ 6♀ Nov, 1♀ Dec; La Perla 1♂ Jan, 1♂ 1♀ Dec; Santa Tecla 4♂ 3♀ July; Los Chorros 1♀ Nov (VH); Agua Caliente 1♂ Feb; No data available 1♂ (BMNH).

P. manueli manueli Bell & Comstock, 1948. (1♂). Range Florida to Argentina. Santa Tecla, 1♂ Sept.

**Chioides catillus albofasciatus* (Hewitson, 1867). (14♂ 1♀). Range USA to

Colombia. San Salvador 1♂ Aug (MS), 1♂ Dec (MS); San Miguel 1♂ June (U); Los Chorros 2♂ 1♀ Dec (1♂ U); Santa Tecla 1♂ April; San Isidro 2♂ Jan, 2♂ Dec; La Perla 1♂ Dec; Ilopango 1♂ Jan; Rio El Molino 1♂ May; No data available 1♂ (BMNH).

C. zilpa zilpa (Butler, 1874). (12♂ 3♀). Range Mexico (Guerrero) to Ecuador. Evans (1952) indicates *namba* Evans, 1952 as a subspecies from N. Sonora and Arizona. Dos Passos (1964) shows *zilpa* as a USA occurrence, but does not list *namba* as a synonym, apparently having overlooked this name. San Salvador 1♂ Sept (MS); Ilopango 1♂ July; Cerro San Jacinto 1♀ Jan; Los Chorros 1♂ Feb, 1♂ April (U), 1♂ June (MS); Santa Tecla 1♀ June, 5♂ July, 1♂ Aug, 1♀ Sept; Rio El Molino 1♂ April.

**Aguna asander asander* (Hewitson, 1867). (19♂ 29♀). Range USA to Argentina. Santa Ana 1♀ Aug (MS); Hda. La Carrera 1♀ July (VH); Cerro Verde 2♂ 2♀ June, 1♂ 8♀ Aug (1♀ VH); San Isidro 2♂ Mar, 1♂ July; Rio El Molino 1♂ April, 1♂ May; Santa Tecla 2♂ 7♀ July, 1♀ Aug, 1♂ Sept, 1♀ Oct; La Libertad 1♀ Nov; Tamanique 1♂ 1♀ April, 4♂ 2♀ Nov, 2♂ 2♀ Dec; Hda. Montecristo 2♀ Mar; no data available 1♂ (BMNH).

A. aurunce (Hewitson, 1867). (3♂ 1♀). Range Guatemala to Brasil. Santa Tecla 2♂ July; Sta. Tecla-Comasagua Rd. 1♀ Aug; La Libertad 1♂ Feb.

A. metophis (Latreille, 1824). (3♂). Range Mexico to Brasil. Presa El Guayabo 1♂ Jan; La Libertad 1♂ Feb; Agua Caliente 1♂ Feb.

**Typhedanus undulatus* (Hewitson, 1867). (5♂ 3♀). Range USA to Argentina. San Salvador 1♀ Jan (MS), 1♂ July (FS); Ilopango 2♂ Jan; Santa Tecla 1♂ Jan, 1♀ July; Rio El Molino 1♂ April; no data available 1♀ (BMNH).

Polythrix octomaculata octomaculata (Sepp, 1848). (2♂ 8♀). Range USA (Freeman, 1967) to Argentina. Godman & Salvin (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. Muysshondt 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 1♀ (*octomaculata*) Aug (MS); Santa Tecla 1♂ (*octomaculata*) 2♀ (*alciphron*) July, 3♀ (1 *octomaculata*, 2 *alciphron*) Aug, 1♀ (*alciphron*) Sept; El Balsamar 1♂ (*octomaculata*) 30 Oct, 1♀ (*octomaculata*) 2 Nov (Ex larvae siblings).

P. asine (Hewitson, 1867). (61♂ 69♀). Range Mexico to Peru. Always perches with wings flat. San Salvador 1♀ Sept (U), 1♂ Oct (VH), 1♀ no date (RB); Cerro San Jacinto 2♂ Jan, 1♂ Nov, 3♂ 1♀ Dec; Santa Tecla 1♀ Jan, 2♂ 3♀ June, 26♂ 31♀ July, 11♂ 14♀ Aug, 8♂ 12♀ Sept, 1♂ 1♀ Oct, 1♀ Nov, 1♂ Dec; La Libertad 1♀ Feb; San Isidro 2♂ Jan; Cerro Verde 1♀ Aug (MS), 1♀ Dec; Los Chorros 1♂ Dec; Ilopango 1♂ Jan; Rio El Molino 1♂ May.

P. caunus (Herrich-Schäffer, 1869). (1♀). Range Mexico to Paraguay. Determined by H. A. Freeman, May, 1973. La Libertad 1♀ Nov.

Chrysoplectrum perniciosus epicincia (Butler & Druce, 1872). (1♀). Range Mexico to Costa Rica. The one female was hiding beneath a leaf. La Libertad 1♀ Nov.

#*Zestusa staudingeri staudingeri* (Mabille, 1888). (72♂ 1♀). Range Guatemala to El Salvador. Hda. Montecristo 5♂ Feb, 67♂ 1♀ Mar (1♂ U).

#*Z. levona* Steinhäuser, 1972. (16♂ 1♀). Range Mexico to El Salvador (Steinhäuser, 1974). Hda. Montecristo 2♂ Feb, 14♂ 1♀ Mar.

Codatractus carlos carlos Evans, 1952. (6♂ 2♀). Range Mexico to Peru. Cerro San Jacinto 1♀ Dec; Santa Tecla 1♂ June, 2♂ July; Tamanique 1♀ July; Ilopango 1♂ Jan; La Perla 1♂ Jan; Los Chorros 1♂ Feb (VH).

C. alcaeus alcaeus (Hewitson, 1867). (2♂ 12♀). Range USA to Costa Rica. San Salvador 1♀ July (U); Santa Tecla 1♀ June, 1♂ 5♀ July; Tamanique 2♀ July, 1♀ Aug; Rio El Molino 1♂ April; Los Chorros 1♀ June (MS), 1♀ July (MS).

C. bryaxis bryaxis (Hewitson, 1867). (23♂ 9♀). Range Mexico (Vera Cruz) to Honduras. Los Chorros 1♂ Mar (U), 1♂ June (VH), 1♀ July (MS); Santa Tecla 1♂ Feb, 9♂ 2♀ July, 1♂ Aug, 1♂ Sept. 1♂ Oct; San Isidro 1♂ Jan; Sta. Tecla-Comasagua Rd. 1♂ Aug; Tamanique 3♂ 3♀ July, 3♂ 2♀ Aug; Hda. Montecristo 1♀ Mar.

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

#*Ridens crison howarthi* Steinhauser, 1974. (192♂ 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♂ 8♀ Feb (4♂ U), 53♂ 27♀ Mar (1♀ U, 1♂ 3♀ VH, 1♂ 3♀ MS, 2♂ 1♀ AM), 3♀ April, 8♂ 5♀ May, 7♂ 4♀ Nov, 11♂ 6♀ 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 3♂ Jan, 2♂ Feb, 5♂ 3♀ Mar (1♀ U), 2♀ May.

(?)*R. fulminans* (Herrich-Schäffer, 1869). (1♂). 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 *Astrartes* 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 determine if this is merely variation or bears some taxonomic significance. The females are another problem. Some can be readily identified from characteristic wing markings: *proteus* (in part), *viterboana* (without tiring to separate *alva*) and *pronta*. For the rest, much work remains to be done. Below is a capture breakdown of 75 undetermined females. San Salvador 1♀ Sept (U); Santa Tecla 2♀ June, 20♀ July, 9♀ Aug, 27♀ Sept; La Perla 1♀ Jan; San Isidro 1♀ July, 1♀ Dec; Rio El Molino 1♀ May; Cerro Verde 5♀ June, 1♀ Aug; Los Chorros 1♀ Sept; La Libertad 2♀ Sept, 2♀ Nov; Tamanique 1♀ Dec.

+*U. proteus proteus* (Linnaeus, 1758). (35♂ 36♀). Range USA to Argentina. The females are difficult to separate from females of *U. pronus*. The characteristics by which Evans separates the *proteus* group from the *esmeraldus* group are not always clear cut. Some unidentified females may be *proteus* but I doubt if any I have determined as *proteus* are incorrectly placed. San Salvador 1♂ 3♀ July (FS), 1♂ 1♀ Sept (U); Santa Tecla 1♂ 1♀ Mar (1♂ MS), 2♂ 3♀ June, 15♂ 17♀ July, 5♂ 4♀ Aug, 2♂ 3♀ Sept, 1♂ Oct, 2♀ Dec; Vol. Conchagua 1♂ Aug (MS); Sensuntepeque 1♀ July (MS); Apastepeque 1♂ July (FS); La Libertad 1♂ April; San Isidro 1♂ Dec; Cerro Verde 1♂ June, 1♀ Aug; Cerro San Jacinto 1♂ Jan; Ilopango 1♂ Jan.

U. viterboana (Ehrmann, 1907). (4♂ 1♀). Evans indicates 3 "subspecies" of *viterboana*: *alva* Evans, 1952 ranging from Mexico to Argentina, *viterboana* ranging from Mexico to Bolivia and *belli* Hayward, 1935 ranging from Bolivia to Argentina. It is clear that at least *viterboana* and *alva* are separate species, with slight but consistent differences in color, maculation and genitalia. In order 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 3♂ Mar, 1♂ 1♀ May.

**U. alva* Evans, 1952. (110♂ 90♀). See note under *U. viterboana*. Los Chorros 1♂ Oct (VH); Cerro Las Pavas 1♂ July (MS); Vol. Conchagua 1♂ Aug (MS); Santa Tecla 1♂ Jan, 1♀ Feb, 1♀ Mar, 1♂ 5♀ June, 19♂ 18♀ July, 25♂ 24♀ Aug, 47♂ 31♀ Sept, 2♂ 3♀ Dec; La Libertad 2♂ Nov; San Isidro 1♂ Jan; Cerro Verde 1♀ June, 1♂ 2♀ Aug, 1♀ Dec; Tamanique 1♀ Nov, 1♂ Dec; Cerro San Jacinto 4♂ Jan; La Perla 2♂ Jan; Ilopango 1♂ 1♀ Jan; no data available 1♀ (BMNH).

U. pronta Evans, 1952. (13♂ 23♀). Range Mexico to Paraguay. These are easily distinguished by the underside hindwing markings (broken discal stripe) and genitalia. Santa Tecla 1♀ May, 2♀ June, 3♂ 9♀ July, 3♂ 4♀ Aug, 4♂ 3♀ Sept, 1♂ 3♀ Oct; Los Chorros 1♀ June, 1♂ Oct; Ilopango 1♂ Jan.

U. pronus Evans, 1952. (9♂ 6♀). 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 1♂ Sept; Cerro Verde 2♂ Aug; Majaditas 1♂ Feb; Hda. Montecristo 1♀ Feb, 5♂ 3♀ Mar (1♂ U), 2♀ April.

U. esmeraldus (Butler 1877). (65♂). 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 1♂ Nov (MS); Santa Tecla 2♂ June, 16♂ July (one with G & S type genitalia), 10♂ Aug, 15♂ Sept (one with G & S type genitalia), 1♂ Oct, 3♂ Nov, 1♂ Dec; La Libertad 1♂ June; San Isidro 1♂ July; Cerro Verde 1♂ Aug; Cerro San Jacinto 2♂ Jan, 2♂ Nov, 6♂ Dec; Ilopango 3♂ Jan (2 with G & S type genitalia).

U. evona Evans, 1952. (12♂). 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 1♂ Aug (MS); Santa Tecla 3♂ July, 1♂ Aug, 1♂ Sept, 1♂ Dec; San Isidro 1♂ Jan, 1♂ July; Sta Tecla-Comasagua Rd. 1♂ Aug, 1♂ Sept; Hda. Montecristo 1♂ Mar.

U. esta Evans, 1952. (4♂). Range Mexico to Argentina. Again no females could be positively identified. La Libertad 1♂ Oct; Santa Tecla 1♂ Jan, 2♂ July.

**U. dorantes dorantes* (Stoll, 1790.) (66♂ 39♀). 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 1♂ June (FS), 1♂ 1♀ July (FS), 1♂ Sept (FS), 1♂ Oct (MS), 1♂ no date (RB); Los Chorros 1♀ Mar (VH) 1♂ Sept; Sensuntepeque 2♂ July (MS); Cerro San Jacinto 1♀ Jan, 1♂ April (U); Santa Tecla 1♂ Jan, 1♂ Mar, 8♂ 6♀ June, 25♂ 15♀ July, 7♂ 3♀ Aug, 3♂ 2♀ Sept, 1♀ Nov, 1♂ Dec; La Libertad 1♂ 1♀ Feb, 1♂ Aug, 1♀ Oct, 1♂ Nov, 1♀ Dec; San Isidro 1♂ Jan, 1♂ April; Cerro Verde 3♀ June, 2♂ Aug, 1♂ Dec; La Perla 1♀ Jan; Ilopango 1♀ Jan; Agua Caliente 1♀ Feb; Rio El Molino 2♂ May; no data available 1♂ (BMNH).

+*U. teleus* (Hübner, 1821). (26♂ 22♀). Range USA to Argentina. Franz & Schröder report 2 specimens of *U. eurycles* (Latreille, 1723 (sic!)) and one *U. eurycles latipennis* (Mabille & Vuillot, 1891). Both these names are treated by Evans (1952) and Dos Passos (1964) as synonyms of *teleus*. San Salvador 1♀ July (FS), 1♀ Aug (FS), 1♀ Sept (MS), 1♀ Oct (FS); Sensuntepeque 1♂ July (MS); Los Chorros 1♀ June (MS); Santa Tecla 1♂ Jan, 1♀ Mar, 4♂ 3♀ June, 7♂ 8♀ July, 2♂ 1♀ Aug,

9♂ 3♀ Sept, 1♀ Oct; La Libertad 1♂ Feb; Cerro Boqueron 1♂ Dec.

**U. tanna* Evans, 1952. (21♂ 15♀). Range USA to Ecuador. San Salvador 1♂ Sept (U), 1♀ Nov (U); Ilopango 1♂ Feb (VH); Cerro San Jacinto 1♂ Dec; Santa Tecla 1♀ Mar, 1♂ 1♀ April, 2♂ 5♀ June, 8♂ 4♀ July, 1♂ 1♀ Aug, 4♂ Sept; Los Chorros 1♂ April (MS); La Libertad 1♀ Aug; Presa El Guayabo 1♂ Jan; no data available 1♀ (BMNH).

**U. simplicius* (Stoll, 1790). (23♂ 11♀). Range USA to Argentina. Franz & Schröder (1954) list 1♂ & 1♀ of *U. gracilicauda* (Plötz, 1880 (sic!)) which Evans (1952) and Dos Passos (1964) treat as a synonym of *simplicius*. San Salvador 1♂ June (FS), 2♀ Aug (1 FS, 1 VH), 1♂ 1♀ no date (RB); Vol. Conchagua 1♂ Aug (MS); Santa Tecla 1♀ Jan, 1♂ June, 4♂ 2♀ July, 1♂ 1♀ Aug, 4♂ 3♀ Sept; La Libertad 1♂ Aug; San Isidro 1♂ Mar, 1♂ July, 1♀ Oct; Tamanique 1♂ Nov; Cerro San Jacinto 1♂ May; Ilopango 2♂ Jan; Presa El Guayabo 1♂ Jan; Meanguera 1♂ April; no data available 1♂ (BMNH).

U. procne (Plötz, 1880). (50♂ 17♀). Range USA to Argentina. San Salvador 1♂ Sept (U); Apopa 1♂ Oct (MS); Santa Tecla 3♂ 4♀ Jan, 4♂ Mar, 2♂ 2♀ June, 27♂ 8♀ July, 1♂ Aug, 7♂ 2♀ Sept, 1♀ Dec; La Libertad 2♂ Feb; La Perla 1♂ Oct; Rio El Molino 1♂ Arpil.

U. doryssus doryssus Swainson, 1831. (13♂ 4♀). Range USA to Brasil. San Salvador 1♀ Oct (MS); Ilopango 1♂ Feb (VH); Los Chorros 1♂ 1♀ Mar (VH); La Libertad 2♂ Feb (1 U), 3♂ 1♀ Nov, 4♂ Dec; San Isidro 1♂ Sept; Cerro San Jacinto 1♀ Jan; La Perla 1♂ Dec.

U. albimargo albimargo (Mabille, 1875). (15♂). Range Mexico to Ecuador. Santa Tecla 1♂ Sept; La Libertad 2♂ Feb, 1♂ June, 3♂ Aug, 8♂ Nov.

Astraptus talus (Cramer, 1777). (7♂ 2♀). Range Mexico to Brasil and Antilles. Santa Tecla 1♂ 1♀ July; La Libertad 1♂ Nov; La Perla 2♂ Jan, 1♀ Oct, 3♂ Dec.

A. fulgerator azul (Reakirt, 1866). (57♂ 46♀). Range USA to Bolivia. The *fulgerator* - *fulgor* Hayward, 1938 complex of *Astraptus* which includes *azul*, *catemacoensis* 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 1♀ April (RB), 1♀ June (MS), 1♀ no date (MS); Los Chorros 1♂ April, 1♂ July (MS), 1♂ Nov (VH); Santa Tecla 1♂ 2♀ June, 24♂ 23♀ July, 7♂ 3♀ Aug, 3♂ 1♀ Sept, 1♂ 1♀ Oct; La Libertad 1♀ Jan, 1♂ 1♀ Feb, 1♂ April, 2♀ June, 1♂ Nov, 4♂ 2♀ Dec; San Isidro 1♂ Jan, 1♀ Feb, 1♀ April, 1♂ Aug, 1♂ Oct; Cerro Verde 2♀ Aug (1 VH); Tamanique 1♂ 1♀ Aug; Cerro San Jacinto 1♂ Nov (VH), 1♂ Dec; La Perla 1♂ Jan; Ilopango 1♂ Jan; Hda. Montecristo 3♂ 2♀ Mar (1♂ 1♀ U).

A. egregius egregius (Butler, 1870). (1♂ 2♀). Range Mexico to Brasil. San Salvador 1♀ Oct (MS); Los Chorros 1♀ Aug (MS); Santa Tecla 1♂ July.

A. enotrus (Stroll, 1781). (1♂ 1♀). Range Mexico to Paraguay. Ilopango 1♂ Feb (VH); San Isidro 1♀ Jan.

A. samson Evans, 1952. (1♂). Range El Salvador to Brasil. San Salvador 1♂ Aug (MS).

A. megalurus (Mabille, 1877). (2♂ 2♀). Range Mexico to Colombia. Los Chorros 1♀ July (MS); Cerro Verde 1♂ June; Hda. Montecristo 1♂ 1♀ Mar.

**A. alardus latia* Evans, 1952. (5♂ 9♀). 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" 1♀ no date (MS); Cerro Las Pavas 1♂ July (MS); Los Chorros 1♀ Oct (VH); Santa Tecla 3♂ 4♀ July, 1♀ Sept; Cerro San Jacinto 1♀ Dec; Ataco 1♀ Aug; no data available 1♂ (BMNH).

A. alector (Felder, 1866). (1♀). 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 1♀ Mar.

A. gilberti Freeman, 1969 (1♀). 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 1♀ 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* Mabilie, 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 1♀ April (VH), 1♂ 1♀ June, 1♂ 1♀ Aug; Tamanique 1♀ Nov.

**A. anaphus annetta* Evans, 1952. (45♂ 50♀). Range USA to Bolivia. San Salvador 1♂ June (MS), 1♀ Aug (MS), 1♀ Sept (U), 1♀ Oct (MS); Shalpa 1♀ July (MS); Ilopango 1♂ Jan, 1♂ 1♀ Feb (VH); Santa Tecla 1♂ 1♀ Feb, 2♂ 1♀ June, 8♂ 13♀ July, 2♂ 3♀ Aug, 3♂ 6♀ Sept, 2♀ Oct, 1♀ Dec; La Libertad 3♂ Nov; San Isidro 1♂ Oct; Cerro Verde 4♂ 1♀ Aug (1♂ VH) Tamanique 1♀ 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).

**Autochthon cellus mexicana* (Draudt, 1922). (20♂ 1♀). 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, 15♂ 1♀ May (1♂ MS, 2♂ U).

+ *A. cincta* (Plötz, 1882). (4♂ 1♀). Range Mexico to El Salvador. Los Planes - Miramundo area 1500-1800 m. 1♂ Mar, 2♂ April, 1♀ Aug (FS), 1♂ Nov.

A. vectilucis (Butler, 1874). (119♂ 16♀). Range Mexico to Panama. In El Salvador *vectilucis* is limited to high altitudes, ie. above 1500 m. Cerro Verde 1♂ Mar, 2♂ 3♀ June, 9♂ 3♀ Aug, 1♂ Nov (MS), 10♂ 2♀ Dec (1♀ VH); Miramundo area 16-1800 m. 4♂ Dec; Hda. Montecristo 16♂ Jan, 21♂ 2♀ Feb; 23♂ 3♀ Mar (1♀ U, 1♂ MS, 1♂ VH), 2♂ Oct (U), 13♂ 1♀ Nov, 17♂ 2♀ Dec.

**A. neis* (Geyer, 1832). (42♂ 13♀). Range Mexico to Paraguay. San Salvador 1♂ Aug (MS); Ilopango 4♂ Jan, 1♂ Mar (MS); Tecomatepec 1♀ Dec (U); Los Chorros 1♂ Mar (VH), 1♂ April, 2♂ June, 1♂ Aug (MS), 1♂ Sept, 2♂ Oct; Santa Tecla 1♀ Jan, 1♂ July, 1♀ Aug, 2♀ Sept, 1♀ Oct; La Libertad 1♂ June, 1♂ Nov; San Isidro 2♂ Jan, 1♂ April, 2♂ July, 2♀ Aug, 1♂ Sept, 1♂ 1♀ Oct, 1♀ Dec; Tamanique 3♂ July, 1♂ Oct, 6♂ Nov, 1♂ Dec; Cerro San Jacinto 2♂ Jan, 2♀ Dec; Sta Tecla-Comasaqua Rd. 1♀ Aug, 1♂ Sept; Majaditas 3♂ Feb; no data available 1♂ (BMNH).

**A. zarex* (Hübner, 1818). (39♂ 5♀). Range Mexico to Argentina. San Salvador 1♂ May (FS as *A. aunus* (Fabricius, 1781)), 1♂ July (MS), 1♂ Dec (MS); Cerro San Jacinto 11♂ Jan, 3♂ Nov (2 VH), 3♂ Dec; Santa Tecla 2♀ Sept, 1♀ Oct; La Libertad 7♂ Nov, 1♂ Dec; San Isidro 1♂ July, 1♂ Aug; Los Chorros 1♂ Oct; 1♂ Dec; La Perla 2♂ Dec; Ilopango 1♂ 1♀ Jan; Rio El Molino 1♂ May; no data available 3♂ 1♀ (BMNH).

#*Achalarus casica* (Herrich-Schäffer, 1869). (2♂ 1♀). Range USA to El Salvador. Los Chorros 1♀ June (MS), 1♂ July (MS); Rio El Molino 1♂ April.

**A. albociliatus albociliatus* (Mabille, 1877). (18♂ 7♀ 1 sex not determined). Range USA to Costa Rica. San Salvador 1 sex undetermined April (U), 1♀ Sept (VH), 1♂ Dec (MS); Vol. Conchagua 1♂ July (VH); Los Chorros 2♂ April, 1♀ July (MS), 1♂ Dec; Santa Tecla 4♂ 2♀ July, 1♂ Aug, 1♂ Sept; La Libertad 1♂ Feb, 1♀ Oct; San Isidro 1♂ Jan, 1♂ April; Tamanique 1♂ 1♀ Nov; Cerro San Jacinto 1♀ Jan; 1♂ May; Ilopango 1♂ Jan; no data available 1♂ (BMNH).

+*A. toxeus* (Plötz, 1882). (15♂ 6♀). Range USA to Panama. San Salvador 1♀ Aug (FS), 1♂ Oct (U), 1♂ no date (RB); La Libertad 2♂ 4♀ Jan, 7♂ 1♀ Feb, 2♂ Nov, 1♂ Dec; Tamanique 1♂ Oct.

**Cabares potrillo potrillo* (Lucas, 1857). (21♂ 6♀). Range USA to Costa Rica and Antilles. Metapan 1♀ Mar (U); Tecomatepec 1♂ Dec (U); La Libertad 2♂ Aug (MS), 2♂ Nov, 1♂ Dec; Santa Tecla 1♀ Jan, 1♀ July, 1♂ Sept, 1♀ Dec; San Isidro 1♂ Jan, 1♂ Aug, 1♂ Sept, 1♂ Oct; Cerro San Jacinto 3♂ 1♀ Jan; Majaditas 1♀ Feb; La Perla 1♂ Jan, 1♂ Oct, 1♂ Dec; Rio El Molino 1♂ May; Barrios 2♂ April; no data available 1♂ (BMNH).

Bungalotis astylos (Cramer, 1780). (2♀). Range El Salvador to Brasil. Both specimens were taken at the University; one trapped in a classroom. San Salvador 2♀ Feb (U).

B. quadratum quadratum (Sepp, 1848). (1♀). Range El Salvador to Surinam. Santa Tecla 1♀ June.

+*Nascus phocus* (Cramer, 1777). (2♀). Range Guatemala to Paraguay. San Salvador 1♀ Aug (FS), 1♀ Nov (U).

N. paullinae (Sepp, 1848). (1♂ 1♀). Range Guatemala to Brasil. San Salvador 1♀ Feb, 1♂ Sept (MS).

Ocyba calathana calanus (Godman & Salvin, 1894). (7♂ 1♀). Range Mexico to Costa Rica. San Salvador 1♂ Sept (MS); Cerro San Jacinto 1♂ Nov (VH), 1♂ 1♀ Dec (1♂ U); Los Chorros 1♂ Sept (VH); Ilopango 2♂ Feb (VH); Presa El Guayabo 1♂ Jan.

***Celaenorrhinus fritzgaertneri* (Bailey, 1880). (34♂ 23♀ 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 karwinski* Geyer, 1833 (Muysshondt, 1974). San Salvador 1♂ 1♀ Feb, 1♂ 1♀ May (FS), 1♀ June (MS), 1♀ Aug (MS), 1♂ Dec; Tecomatepec 2♂ 1♀ Dec (U); Los Chorros 2♂ 2♀ Mar (VH), 1♂ Oct (VH); Santa Tecla 3♀ Jan, 1♀ April, 1♂ 2♀ July, 2♂ Sept, 2♂ Nov; La Libertad 1♂ June, 14♂ 5♀ Nov, 1♂ 2♀ Dec; Cerro San Jacinto 2♂ Nov, 2♂ 3♀ Dec; Barrios 1♂ April.

C. eligi (Stoll, 1782). (5♂ 1♀). 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 1♂ Feb (VH); La Libertad 1♀ Feb (U), 2♂ Nov, 1♂ Dec; La Perla 1♂ Jan.

**Spathilepia clonius* (Cramer, 1775). (38♂ 19♀). Range USA to Argentina. San Salvador 1♂ no date (RB), 1♂ Sept (FS); Tecomatepec 1♂ Dec (U); Los Chorros 3♂ April, 1♂ 1♀ June (MS); Santa Tecla 1♀ Jan, 1♀ April 1♂ 3♀ June, 2♂ 2♀ July, 1♂ 2♀ Aug, 7♂ 6♀ Sept, 1♀ Oct, 1♀ Dec; La Libertad 2♂ Nov, 1♂ Dec; Tamanique 1♂ Oct, 2♂ Dec; Cerro San Jacinto 7♂ 1♀ Jan, 1♂ Dec; Cerro Boqueron 1♂ Dec; Ilopango 1♂ Jan; Rio El Molino 3♂ May; no data available 1♂ (BMNH).

**Cogia cajeta eluina* Godman & Salvin, 1894. (20♂ 4♀). Range Mexico to Costa Rica. San Salvador 1♀ Sept (MS); La Libertad 1♂ Feb, 1♂ April, 2♂ 1♀ June, 1♀ July (MS); 4♂ Aug, 4♂ 1♀ Nov, 2♂ Dec; La Perla 1♂ Oct; Rio El Molino 1♂ April, 1♂ May; Meanguera 2♂ April; no data available 1♂ (BMNH).

C. hippalus hiska Evans, 1953. (4♂). Range Mexico to Costa Rica. San Salvador 1♂ July (MS); Rio El Molino 1♂ April, 2♂ May.

**C. calchas* (Herrich-Schäffer, 1869). (24♂ 31♀). Range USA to Argentina. San Salvador 1♀ Jan (MS), 1♂ 1♀ June (1♂ MS, 1♀ FS), 1♂ Aug (FS); Comasagua 1♀ Aug (MS); Ayagualo 1♀ Mar (MS); Santa Tecla 5♀ Jan, 1♀ May, 2♂ 2♀ June, 2♂ 4♀ July, 1♂ Aug, 3♀ Sept, 3♀ Oct, 2♀ Dec; La Libertad 1♀ Feb, 1♀ Aug, 2♀ Nov; San Isidro 2♂ Jan, 1♂ Mar, 1♂ Aug; Los Chorros 1♂ April, 3♂ Dec; Cerro San Jacinto 2♀ Jan; Sta Tecla-Comasagua Rd. 1♂ Aug; Ilopango 2♂ Jan; Rio El Molino 3♂ April; Citala 2♂ Feb, 1♂ May, no data available 1♀ (BMNH).

Telemiades megallus Mabilie, 1888. (1♂). 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 1♂ 3♀ from Mexico and 1♀ 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 1♂ Dec (VH).

T. amphion fides Bell, 1942. (11♂ 4♀). Range Mexico to Ecuador. San Salvador 1♂ July (MS); Santa Tecla 1♀ Aug, 1♂ 1♀ Sept; La Libertad 1♂ Oct, 2♂ Nov; San Isidro 1♂ Sept, 2♂ Oct; Cerro San Jacinto 1♀ Jan, 1♂ Nov; La Perla 1♂ Oct; Ilopango 1♂ Jan.

Arteurotia tractipennis tractipennis Butler & Druce, 1872. (17♂ 6♀). Range Mexico to Bolivia. Food plant in El Salvador is *Croton niveus*. Pupa is equipped with peculiar tufted hairs on the head. Comasagua 1♂ Oct (VH); Los Chorros 1♂ no date (MS), 1♂ Aug (MS), 1♂ Sept (VH). 1♂ Dec; Cerro Verde 1♂ Aug (MS); Santa Tecla 1♂ Jan, 1♀ Feb, 6♂ 2♀ July, 1♂ 2♀ Aug, 1♂ 1♀ Sept; Tamanique 1♂ Dec; Cerro Boqueron 1♂ Dec.

Polyctor cleta Evans, 1953. (47♂ 6♀). 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 1♂ July (MS); La Libertad 4♂ 3♀ Feb, 1♂ Aug, 23♂ 1♀ Nov, 17♂ 1♀ Dec; Cerro San Jacinto 1♀ Dec; La Perla 1♂ Jan.

Nisoniades bessus godma Evans, 1953. (41♂ 9♀). 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, 6♂ 2♀ 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* (Möschler, 1876). (67♂ 29♀). Range USA to Brasil. Reported by Franz & Schröder as *Pellicia bromias* (Godman & Salvin, 1894). A male from La Libertad (26.xii.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♂ 7♀ Jan, 1♀ Feb, 1♀ May, 1♂ June, 3♀ July, 2♀ Aug, 3♂ Sept, 1♀ Nov, 1♂ 6♀ Dec; La Libertad 1♂ Feb, 48♂ 3♀ Nov, 10♂ Dec; San Isidro 1♀ Dec; Cerro Verde 1♀ June; Cerro San Jacinto 2♀ Jan; Metapan 1♂ Dec.

**N. ephora* (Herrich-Schäffer, 1870). (60♂ 17♀). 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♂ 1♀ Dec; La Libertad 14♂ 1♀ Nov; San Isidro 1♂ Jan; Cerro Verde 2♀ June, 1♀ Aug; Tamanique 2♂ July, 2♂ Oct, 1♂ 1♀ 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 licisca licisca (Plötz, 1882). (8♂ 3♀). 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. (34♂ 25♀). Range Mexico to Ecuador. Santa Tecla 6♀ Jan, 1♀ July, 1♂ Aug, 1♂ 1♀ Sept, 1♀ Oct, 3♀ Dec; La Libertad 3♂ Feb, 16♂ Nov, 1♂ 1♀ Dec; San Isidro 1♂ Aug, 2♂ Oct, 3♀ Dec; Los Chorros 2♂ 1♀ Dec; Cerro San Jacinto 2♂ 2♀ Jan, 1♂ 4♀ Dec; Cerro Boqueron 2♀ Dec; La Perla 1♂ Oct, 1♂ Dec; Rio El Molino 1♂ April; no data available 1♂ (BMNH).

Noctuana noctua bipuncta (Plötz, 1884). (11♂ 7♀). 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). (8♂ 9♀). 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, 1♂ 2♀ July, 1♂ Aug, 1♀ Sept; La Libertad 1♂ Nov; Los Chorros 1♂ Oct.

Cyclosemia anastomosis Mabilite, 1878. (6♂ 3♀). 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 cupreiceps (Mabilite, 1891). (17♂ 7♀). 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♂ 3♀). 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 *evippe* (Godman & Salvin, 1896), a very similar insect, from El Salvador, but I have found *evippe* 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. evippe (Godman & Salvin, 1896). (45♂ 20♀). 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

Jacinto 1♀ May, 1♀ Nov, 1♀ Dec; Sta Tecla-Comasagua Rd. 5♂ 1♀ Aug, 2♂ Sept; Ilopango 1♀ Jan; Rio El Molino 4♂ April, 2♂ May; Ataco 1♀ Aug, Metapan 1♂ May.

B. phylo pullata (Mabille, 1878). (27♂ 13♀). Range Mexico to northern South America. San Salvador 1♀ Aug (MS); Santa Tecla 1♀ Jan, 3♂ 2♀ June, 2♂ 1♀ July, 1♂ Aug, 5♂ 1♀ Sept, 1♂ 1♀ Oct. 1♀ Dec; La Libertad 3♂ 2♀ Nov; Tamanique 1♀ Dec; Los Chorros 3♂ June, 2♂ Sept, 2♂ Oct; Cerro San Jacinto 1♀ Jan, 1♂ May, 1♀ Nov; Ilopango 4♂ Jan.

B. brennus brennus (Godman & Salvin, 1896). (31♂ 4♀). Range USA to Panama. Food plant - tomato. San Salvador 1♀ June (MS); Santa Tecla 1♂ July, 1♂ Sept, 1♀ Dec; San Isidro 1♂ Dec; Tamanique 2♂ July, 1♂ Nov, 1♂ Dec; Los Chorros 4♂ Feb, 2♂ June, 3♂ Sept, 1♂ Oct, 1♂ Dec; Cerro San Jacinto 4♂ Jan, 3♂ 2♀ Dec; Cerro Boqueron 1♂ Dec; Ilopango 5♂ Jan.

B. boliviensis (Bell, 1937). (54♂ 11♀). Range Guatemala to Bolivia. Evans (1952) 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 7♂ Jan, 7♂ 3♀ Feb, 14♂ 1♀ Mar, 5♂ 1♀ April, 11♂ 2♀ May, 5♂ 3♀ Nov, 5♂ 1♀ Dec.

B. eusebius (Plötz, 1884). (22♂ 7♀). Range Mexico to Colombia. Santa Tecla 2♀ July, 1♀ Sept; San Isidro 1♂ Mar, 2♂ April, 1♀ July, 1♂ Oct, 1♂ Dec; Cerro Verde 1♂ Aug; Tamanique 1♂ Oct, 1♂ 1♀ Nov; Los Chorros 11♂ April, 1♀ Sept; Sta Tecla-Comasagua Rd. 2♂ Sept; Cerro Boqueron 1♂ Dec; Ataco 1♀ Aug.

#*B. clytius* (Godman & Salvin, 1897). (3♂). Range Mexico to Honduras. Rio Apancoyo 1♂ Oct (VH); San Isidro 1♂ Jan; La Libertad 1♂ Dec.

#*B. salva* Steinhauser, 1974. (9♂). Range - El Salvador. Rio El Molino (Type locality) 2♂ May; San Isidro 1♂ Jan, 1♂ Mar; Los Chorros 1♂ Feb, 1♂ April; Sta Tecla-Comasagua Rd. 1♂ Sept; Santa Tecla 1♂ May, 1♂ June.

Staphylus vulgata vulgata (Möschler, 1878). (39♂ 19♀). Range Mexico to Argentina. Santa Tecla 2♂ 2♀ Jan, 1♂ 2♀ May, 12♂ 4♀ June, 1♂ July, 1♂ Aug, 1♀ Sept; La Libertad 3♂ Feb, 1♂ June, 1♂ Aug, 1♂ Oct, 5♂ 7♀ Nov, 3♂ 1♀ Dec; Los Chorros 1♂ 2♀ June, 1♂ Dec; Cerro San Jacinto 1♂ May; Ilopango 5♂ Jan.

S. tierra Evans, 1953. (6♂ 4♀). Range Mexico to El Salvador. See note on following species. La Libertad 1♂ 1♀ Jan, 4♂ 1♀ Nov, 1♂ Dec; La Perla 1♀ Jan, 1♀ Dec.

**S. ascalaphus* (Staudinger, 1876). (101♂ 26♀). Range Mexico to Brasil. I follow Freeman (1969) and Monroe & Miller (1967) in considering Evans' (1953) various subspecies of *S. mazans* (Reakirt, 1866) to be valid species. San Salvador 1♂ July (MS), 1♂ Dec (MS); Los Chorros 1♂ Jan (MS), 2♂ Feb, 6♂ April, 2♂ 1♀ June, 2♂ 1♀ Sept, 4♂ 1♀ Oct, 10♂ Dec; Santa Tecla 3♂ 1♀ Jan, 5♂ May, 17♂ 7♀ June, 3♂ 6♀ July, 5♂ Aug, 1♂ Sept, 2♂ 1♀ Dec; La Libertad 1♀ Mar, 2♀ Aug; San Isidro 1♂ Jan, 1♂ Mar, 1♂ April, 1♂ July; Cerro San Jacinto 3♂ May, 1♀ Nov, 1♂ 1♀ Dec; Sta Tecla-Comasagua Rd. 1♀ Aug, 1♂ Sept; La Perla 1♀ Jan; Ilopango 10♂ Jan, 1♀ Dec; Rio El Molino 7♂ April, 3♂ May; Ataco 3♂ Aug; Barrios 2♂ April; no data available 2♂ (BMNH).

**S. azteca* (Scudder, 1872). (64♂ 17♀). 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 1♂ Jan (VH); Ilopango 1♂ Jan, 1♀ Mar (MS); Santa Tecla 2♂ Jan, 7♂ 2♀ May, 10♂ 3♀ June, 9♂ 1♀ July, 6♂ Aug, 1♂ Oct, 3♂ Dec; La Libertad 2♂ 2♀ Mar, 1♂ July (FS), 3♂ Aug, 1♂ 4♀ Nov, 2♂ 2♀ Dec; Cerro San Jacinto 7♂ 1♀ May; La Perla 1♂ Jan; Rio El Molino 2♂ April, 3♂ May; Sto. Tomas 1♂ April; Barrios 1♀ April; no data available 1♂ (BMNH).

Gorgythion begga pyralina (Möschler, 1876). (15♂ 4♀). Range USA to Peru. Coatepeque 1♀ Aug (MS); Ilopango 1♀ Mar (MS); Santa Tecla 1♂ April; La Libertad 2♂ Jan, 1♂ Feb, 1♂ June, 1♂ Aug, 1♂ Nov, 1♂ Dec; Sta Tecla-Comasagua Rd.

1♂ Sept; La Perla 2♂ 1♀ Jan, 4♂ 1♀ Dec.

**G. vox* Evans, 1953. (47♂ 9♀). Range USA to Costa Rica. Freeman (pers. comm.) states that *vox* is a valid separate species and I treat it so. San Salvador 1♀ July (MS); Santa Tecla 1♀ June; La Libertad 2♂ Feb, 1♂ Mar, 1♂ April, 1♂ June, 1♂ Aug, 5♂ Nov, 2♂ Dec; San Isidro 1♀ Jan, 1♂ Mar, 2♂ 1♀ Dec; Tamanique 1♂ July, 1♂ Aug, 3♂ Nov, 1♀ Dec; Los Chorros 1♂ Feb, 1♂ April, 3♂ June, 2♂ Oct (1 VH) 12♂ 1♀ Dec; Cerro San Jacinto 2♂ 1♀ Jan, 1♀ Nov, 1♂ 1♀ Dec; La Perla 1♂ Dec; Ilopango 2♂ Jan, no data available 1♂ (BMNH).

Ouleus salvina Evans, 1953. (36♂ 7♀). 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 *riana*, all treated as subspecies of *fridericus*. Two *panna* females were taken in El Salvador, effectively separating *panna* from *salvina* as separate species. San Salvador 1♂ Sept (MS); Ilopango 1♂ 1♀ Jan, 1♂ Feb (U); Metapan 1♂ Mar (U); Santa Tecla 1♀ Feb, 1♂ Sept, 1♀ Oct, 1♀ Nov; La Libertad 1♂ Jan, 2♂ Feb, 3♂ June, 2♂ 1♀ Aug, 16♂ 1♀ Nov, 3♂ 1♀ Dec; Los Chorros 1♂ Sept; La Perla 1♂ Oct; Rio El Molino 1♂ May; Barrios 1♂ April

O. panna Evans, 1953. (2♀). Range Guatemala to Colombia. Food Plant Piperaceae. See note for *O. salvina*. San Salvador 1♀ Dec (VH); La Libertad 1♀ Aug.

Zera hyacinthinus hyacinthinus (Mabille, 1877). (13♂ 7♀). Range Mexico to Colombia. Food plant is avocado. San Salvador 1♂ Jan (VH), 1♂ April (MS), 1♂ May (MS), 1♀ July (MS); Los Chorros 1♂ Mar (VH); Santa Tecla 1♂ Jan, 1♂ May, 1♂ 3♀ June, 3♂ 2♀ Aug, 1♂ Sept, 1♂ Dec; La Libertad 1♀ Feb; San Isidro 1♂ Jan.

Quadrus cerialis (Stoll, 1782). (36♂ 6♀). Range Mexico to Argentina. San Salvador 1♀ Jan (MS), 1♂ Oct (MS), Tecamatepec 1♂ Dec (U); Lost Chorros 1♂ Oct (VH); Ilopango 2♂ Jan, 1♂ Feb (VH); La Libertad 4♂ Jan, 2♂ Feb, 1♂ Aug, 10♂ 4♀ Nov, 5♂ Dec; San Isidro 1♂ July; Tamanique 1♂ Dec; Cerro San Jacinto 1♂ Jan; La Perla 1♂ 1♀ Oct, 2♂ Dec; Rio El Molino 2♂ May.

Q. lugubris lugubris (Felder, 1869). (20♂ 17♀). Range Mexico to Costa Rica. Food plant Piperaceae. San Salvador 1♀ Nov (MS); Los Chorros 1♂ Jan (MS), 2♂ Oct (VH); Santa Tecla 1♂ 4♀ Jan, 1♂ 1♀ Feb, 1♂ Mar, 2♂ Sept, 1♀ Nov, 1♂ 2♀ Dec; La Libertad 4♂ Feb (1 U), 1♀ Aug, 2♂ 1♀ Nov, 2♀ Dec; Tamanique 1♂ April, 1♀ Oct, 1♀ Nov, 2♂ Dec; Cerro San Jacinto 1♂ May, 1♂ 1♀ Dec; Ataco 1♀ Aug.

Gindanus brontinus brontinus Godman & Salvin, 1895. (1♀). Range El Salvador to Nicaragua. This represents an appreciable northward range extension. Santa Tecla 1♀ July.

Sostrata bifasciata nordica Evans, 1953. (21♂ 10♀). Range Mexico to Costa Rica. San Salvador 1♀ Oct (MS), 1♂ Nov (MS); Los Chorros 1♂ Mar (VH), 1♂ Dec; Santa Tecla 2♂ Jan, 1♂ 2♀ Feb, 1♂ Sept, 3♀ Dec; La Libertad 2♂ Feb, 1♂ 1♀ Nov; San Isidro 3♂ Jan, 1♀ July; Cerro Verde 1♀ Dec; Tamanique 1♂ Dec; Cerro San Jacinto 2♂ Nov; Majaditas 1♂ Feb; Ilopango 2♂ 1♀ Jan; Metapan 2♂ Dec.

**Paches loxus zonula* (Mabille, 1889). (45♂ 18♀). Range Mexico to Costa Rica. Franz & Schröder (1954) report a female of *Autochton subalbatus* (Plötz, 1882). Evans treats *subalbata* Plötz, 1884 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 2♂ Jan (MS), 1♀ Sept (FS); Los Chorros 1♀ June, 1♂ Aug (MS), 3♂ Oct (2 VH), 1♂ Dec; Picacho 1♂ July (U); Quezaltepeque 1♂ July (U); Ilopango 1♀ Jan, 1♀ Feb (U), 1♂ Dec; La Libertad 5♂ 2♀ Feb, 1♂ June, 1♂ Aug, 19♂ 6♀ Nov, 3♂ 3♀ Dec; San Isidro 1♂ Dec; Cerro San Jacinto 2♀ Dec; La Perla 1♂ Jan, 1♂ Sept, 2♂ Dec; no data available 1♂ 1♀ (BMNH).

Paches polla (Mabille, 1888). (5♂). 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 2♂ Feb (MS); La Libertad 1♂ Nov; San Isidro 1♂ April; Santo Tomas 1♂ May.

Atarnes sallei (Felder, 1867). (10♂ 9♀). Range Mexico to Colombia. San Salvador 1♂ June (MS); Tecamatepec 1♂ 1♀ Dec (U); Santa Tecla 2♀ July; La Libertad 1♂

Jan, 4♂ Feb, 2♀ Nov; San Isidro 2♂ Oct; Tamanique 2♀ Nov; Cerro San Jacinto 2♀ Dec; Ilopango 1♂ Jan.

**Mylon lassia* (Hewitson, 1868). (18♂ 7♀). Range Mexico to northern South America. San Salvador 1♂ June (MS), 1♂ 1♀ July (VH), 1♀ Aug (FS); Las Brumas 1♂ Mar (VH); Los Chorros 1♂ June (MS); Cerro San Jacinto 1♀ Jan, 1♂ Nov, 1♂ 1♀ Dec (1♀ U); Santa Tecla 1♀ Jan, 1♀ July, 1♂ Sept, 1♂ Oct; San Isidro 1♂ Jan, 1♂ Dec; Cerro Verde 1♂ Mar; Tamanique 1♂ Oct, 1♂ 1♀ Nov; Sta Tecla-Comasagua Rd. 4♂ Aug; Santo Tomas 1♂ April.

M. salvia Evans, 1953. (1♂). Range Mexico to Colombia. Ilopango 1♂ Jan.

**M. menippus* (Fabricius, 1776). (4♂). Range Mexico to Argentina. San Salvador 1♂ Sept (MS); Los Chorros 1♂ Dec; Cerro San Jacinto 1♂ Nov; no data available 1♂ (BMNH).

**M. pelopidas* (Fabricius, 1793). (16♂ 8♀). Range Mexico to Paraguay. Los Chorros 1♀ June (VH); Santa Tecla 1♀ Jan, 1♂ June, 4♂ 3♀ July, 1♂ Sept; La Libertad 2♀ Jan, 3♂ Feb, 1♀ Aug; San Isidro 1♂ Jan; La Perla 1♂ Oct, 4♂ Dec; no data available 1♂ (BMNH).

M. jason Ehrmann, 1907. (1♂). Range Guatemala to Paraguay. San Salvador 1♂ July (MS).

#*Carrhenes fuscescens fuscescens* (Mabille, 1891). (11♂ 1♀). Range Mexico to Nicaragua. La Libertad 1♀ Aug; San Isidro 1♂ April; Los Chorros 2♂ April; Rio El Molino 1♂ April, 7♂ May.

#*C. calidius* Godman & Salvin, 1895. (1♂). Range Mexico to Bolivia. Rio El Molino 1♂ May.

**C. canescens canescens* (Felder, 1869). (28♂ 10♀). Range USA to Panama. Food plant *Hibiscus* sp. San Salvador 1♀ July (MS), 1♂ Sept (MS); Cerro Las Pavas 1♂ July (MS); Santa Tecla 1♀ Jan, 1♂ Mar, 1♂ 2♀ June, 2♂ 1♀ July, 3♂ 1♀ Aug, 1♀ Sept, 1♀ Dec; La Libertad 1♂ Feb, 2♂ Nov; San Isidro 1♂ Sept, 2♂ Oct; Los Chorros 1♂ June, 2♂ Oct, 2♂ Dec; Cerro San Jacinto 1♂ May, 1♂ Nov, 1♂ 1♀ Dec; Ilopango 4♂ 1♀ Jan; no data available 1♂ (BMNH).

C. callipetes callipetes Godman & Salvin, 1895. (1♂). Range Mexico to El Salvador. San Isidro 1♂ April.

Clito clito (Fabricius, 1787). (1♂). Range Mexico (Bell, 1942) to Brasil. La Libertad 1♂ June.

**Xenophanes tryxus* (Stoll, 1780). (47♂ 19♀). Range USA to Argentina. A very common species. San Salvador 2♂ July (1 VH, 1 MS), 1♂ Oct (MS), 1♀ Nov (RB); Los Chorros 1♂ Mar (VH), 2♂ Sept, 2♂ Oct (1 VH); Cerro San Jacinto 1♂ 1♀ Jan, 1♀ May, 2♂ 3♀ Dec (1♂ U); Santa Tecla 1♂ Jan, 1♀ May, 4♂ 3♀ July, 3♂ 1♀ Aug, 5♂ 4♀ Sept, 3♂ 1♀ Oct, 1♀ Nov, 3♂ 1♀ Dec; La Libertad 1♀ Jan, 1♂ Feb, 2♂ Aug, 2♂ Dec; San Isidro 2♂ Mar, 1♂ July, 2♂ Aug; Cerro Boqueron 2♂ Dec; La Perla 2♂ Jan; Ilopango 1♂ Jan; Atecozol Pk. 1♂ Dec; no data available 1♂ (BMNH).

Onenses hyalophora (Felder, 1869). (3♂). Range Mexico to El Salvador. Hda. Ashuqueman 1♂ April (VH); San Isidro 1♂ Oct; Hda. Montecristo 1♂ Feb.

**Antigonus nearchus* Latreille, 1824. (5♂ 3♀). Range Mexico to Paraguay. San Salvador 1♂ 1♀ Dec (MS); Los Chorros 1♂ Mar (MS); Ilopango 1♂ Feb (VH); La Libertad 1♂ Jan; Cerro San Jacinto 1♀ Jan; no data available 1♂ 1♀ (BMNH).

**A. erosus* (Hübner, 1812). (42♂ 7♀). Range Mexico to Paraguay. A very common insect in shady areas. San Salvador 1♂ Feb (MS), 1♀ July (VH), 1♀ Aug (FS); Los Chorros 1♀ April, 1♂ June (VH), 2♂ July (MS), 1♂ Sept; Ilopango 2♂ Jan, 1♂ 1♀ Feb (1♂ VH, 1♀ U); Vol. Conchagua 1♂ Aug (MS); Santa Tecla 1♂ June, 2♂ July, 1♀ Aug; La Libertad 14♂ 2♀ Feb, 5♂ Nov; San Isidro 1♂ Jan, 1♂ Mar; La Perla 2♂ Oct; Rio El Molino 2♂ April, 3♂ May; no data available 2♂ (BMNH).

**A. corrosus* Mabille, 1878. (23♂ 2♀). Range Mexico to Panama. Los Chorros 1♂ April (MS), 2♂ June, 4♂ Oct, 1♂ Nov (VH), 1♂ Dec; San Isidro 1♂ April, 1♂ July, 1♂ Aug, 1♀ Nov; Tamanique 1♂ April, 2♂ July, 2♂ Aug, 2♂ Oct, 2♂ 1♀ Nov; Cerro San Jacinto 1♂ May; no data available 1♂ (BMNH).

Zopyrion sandace Godman & Salvin, 1896. (44♂ 12♀). Range Mexico to El Salvador. Metapan 1♂ Mar (MS); La Libertad 1♂ Mar, 1♂ 1♀ April, 2♂ 2♀ June,

5♂ 4♀ Aug (2♂ MS), 1♀ Oct, 25♂ 3♀ Nov, 6♂ 1♀ Dec; La Perla 1♂ Jan; Citala 1♂ May; Barrios 1♂ April.

**Anisochoria pedalioidina bacchus* Evans, 1953. (6♂ 1♀). Range Mexico to El Salvador. San Salvador 1♂ Jan (MS); La Libertad 1♂ Nov, 3♂ Dec; Rio El Molino 1♀ May; no data available 1♂ (BMNH).

Aethilla chiapa Freeman, 1969. (10♂ 2♀). 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 2♀ Mar, 1♂ April, 6♂ May, 3♂ Dec.

Achlyodes busirus heros Ehrmann, 1909. (8♂ 1♀). Range Mexico to Bolivia. Vol. San Miguel 1♂ Jan (U); Los Chorros 1♂ Feb (VH); La Libertad 1♂ 1♀ Feb, 3♂ Nov, 1♂ Dec; Rio El Molino 1♂ May.

**A. thraso thraso* (Hübner, 1807). (6♂ 1♀). Range USA to Argentina. San Salvador 1♂ Jan (U); Apopa 1♂ Aug (MS); Santa Tecla 1♀ July; La Libertad 2♂ Feb; La Perla 1♂ Dec; no data available 1♂ (BMNH).

**A. selva* Evans, 1953. (43♂ 21♀). Range Mexico to Brasil. Food plant Citrus. San Salvador 1♂ Jan (U), 1♂ April (MS), 1♂ Nov (U); Ilopango 1♂ Feb (VH); Los Chorros 1♀ July (MS); Cerro Verde 1♂ Mar (MS); Santa Tecla 1♂ Jan, 1♂ 1♀ Feb, 1♀ Mar, 1♂ May, 1♀ June, 2♂ 3♀ July, 2♂ 1♀ Aug, 8♂ 5♀ Sept, 3♂ 1♀ Oct, 1♀ Dec; Hda. Montecristo 1♀ Jan, 2♂ 1♀ Feb, 1♂ Mar, 1♂ April, 3♂ May (1 U), 1♂ Nov, 2♂ Dec; Tamanique 2♂ Nov, 1♂ Dec; Cerro San Jacinto 1♂ Nov, 1♂ 2♀ Dec; Sta Tecla-Comasagua Rd. 1♂ Oct; Ataco 2♂ 1♀ Aug; Santo Tomas 1♂ 1♀ April; no data available 1♂ (BMNH).

Grais stigmaticus stigmaticus (Mabille, 1883). (2♀). Range USA to Argentina. La Libertad 1♀ Jan, 1♀ April (MS).

#*Doberes anticus sobrinus* (Godman & Salvin, 1895). (106♂ 19♀). 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 4♂ Jan, 19♂ 7♀ Feb, 55♂ 8♀ Mar (2♂ 1♀ MS, 1♂ 1♀ VH), 2♂ April, 17♂ 3♀ May (2♂ U), 6♂ Nov, 3♂ 1♀ Dec.

**Timochares trifasciata trifasciata* (Hewitson, 1868). (7♂ 7♀). Range Mexico to Paraguay. San Salvador 1♂ June (MS), 1♀ July (VH); Vol. Conchagua 1♀ Aug (MS); Santa Tecla 1♂ Jan; La Libertad 2♂ 1♀ Feb, 1♀ Nov; Tamanique 1♀ July; Los Chorros 1♂ Dec; Cerro San Jacinto 1♀ May; La Perla 1♀ Jan; Agua Caliente 1♂ Feb; no data available 1♂ (BMNH).

Anastrus sempiternus sempiternus Butler & Druce, 1872. (18♂ 7♀). Range Mexico to Ecuador. Food plant almond, *Terminalia catappa*. San Salvador 1♂ July (MS), 2♂ Sept (1 U, 1 MS), 1♂ Oct; Quezaltepeque 1♀ Dec (U); Santa Tecla 1♂ 2♀ July, 1♀ Aug, 3♂ Sept, 1♂ Oct; La Libertad 6♂ 3♀ Feb, 1♂ Dec; Los Chorros 2♂ Dec.

A. obscurus neaeris Möscher, 1878. (10♂). Range Mexico to Ecuador. La Libertad 1♂ June, 5♂ Nov, 3♂ Dec; La Perla 1♂ Dec.

**Ebrietas anacreon anacreon* (Staudinger, 1876). (10♂ 1♀). Range Mexico to Argentina. San Salvador 1♂ Nov (MS); La Libertad 1♀ Jan, 1♂ Feb; Tamanique 1♂ Aug; Los Chorros 3♂ Dec; Rio El Molino 1♂ April, 2♂ May; no data available 1♂ (BMNH).

#*E. sappho* Steinhauser, 1974. (2♂ 1♀). Range El Salvador. Los Chorros (Type locality) 2♂ Dec; Santa Tecla 1♀ Sept.

Cycloglypha thrasibulus thrasibulus (Fabricius, 1793). (12♂ 1♀). Range Mexico to Paraguay. Apopa 1♂ Aug (MS); La Libertad 6♂ Feb, 4♂ Nov; Cerro San Jacinto 1♀ Nov; La Perla 1♂ Dec.

Helias phalaenoides cama Evans, 1953. (33♂ 13♀). Range Mexico to Colombia. San Salvador 1♂ Nov (MS), 1♂ Dec (MS); Los Chorros 1♂ April, 2♂ 1♀ Oct (VH), 1♀ Nov (VH), 3♂ Dec; La Libertad 1♂ Feb, 1♂ Nov, 1♀ Dec; San Isidro 1♀ Jan, 1♂

1♀ July, 1♂ Oct, 3♂ 1♀ Dec; Tamanique 1♂ Dec; Cerro San Jacinto 3♂ 4♀ Jan, 1♂ 1♀ Nov, 8♂ 1♀ Dec; Cerro Boqueron 1♀ Nov; Ilopango 5♂ Jan.

Camptopleura auxo Möschler, 1878. (8♂). Range Guatemala to Argentina. La Libertad 6♂ Feb, 1♂ Nov; Puente Cuscatlan 1♂ Jan.

**Theagenes albiplaga aegides* (Herrich-Schäffer, 1869). (20♂ 8♀). Range Mexico to Panama. Comasagua 1♀ Aug (MS); Los Chorros 1♂ Feb, 1♂ Mar (VH), 1♂ April; Cerro Verde 1♀ May (U), 9♂ 2♀ Aug, 1♂ 1♀ Sept, 2♂ Nov (MS), 2♂ 1♀ Dec; Santa Tecla 1♂ Oct; Cerro Boqueron 1♂ Dec; Majaditas 1♀ Nov; Hda. Montecristo 1♀ Dec; no data available 1♂ (BMNH).

**Chiomara asychis georgina* (Reakirt, 1868). (11♂ 3♀). Range USA to Costa Rica. Los Chorros 1♂ Feb (MS), 1♂ Oct (VH), 6♂ Dec; Santa Tecla 1♀ July, Cerro Verde 1♂ June; Cerro San Jacinto 1♀ May, 2♂ Nov; no data available 1♀ (BMNH).

**Gesta gesta invisus* (Butler & Druce, 1872). (20♂ 5♀). Range USA to Costa Rica. San Salvador 1♀ June (MS), 1♀ Aug (MS); Tecomatepec 1♂ Dec (U); Los Chorros 1♂ June (MS), 1♂ Dec; Cerro San Jacinto 1♀ Jan, 2♂ Dec (1 VH); La Libertad 1♂ 1♀ Feb, 1♂ Mar; San Isidro 3♂ Jan, 2♂ Dec; Cerro Verde 1♀ Dec; Ilopango 3♂ Jan; Rio El Molino 1♂ April; Meanguera 1♂ April; Metapan 1♂ Dec; no data available 2♂ (BMNH).

**Erynnis zarucco funeralis* (Scudder & Burgess, 1870). (6♂ 7♀). Range USA to Argentina. Vol. Conchagua 1♀ Jan (VH), 1♀ Aug (MS); Comasagua 1♀ Oct (VH); Santa Tecla 2♀ Feb, 1♂ June (MS), 1♂ July, 1♂ Sept, 1♀ Dec; Los Chorros 2♂ Dec; Cerro Boqueron 1♀ Dec; no data available 1♂ (BMNH).

E. tristis tatus (Edwards, 1882). (1♀). Range USA to Colombia. Cerro Verde 1♀ June.

**Pyrgus communis adepta* Plötz, 1884. (31♂ 29♀). Range Mexico to Colombia. Franz & Schröder (1954) list 6♂ 3♀ 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 4♂ June (1 MS, 3 FS), 3♂ July (2 VH, 1 FS), 1♀ Sept (MS); Vol. Conchagua 1♀ Aug (MS); La Libertad 2♂ 3♀ July (FS), 1♂ 1♀ Aug; Santa Tecla 4♂ 4♀ Jan, 1♀ Feb, 1♀ Mar, 1♂ 4♀ May, 3♂ 2♀ June, 7♂ 4♀ July, 1♂ 1♀ Sept, 1♀ Oct, 4♀ Dec; San Isidro 1♂ July; Cerro San Jacinto 1♀ May; La Perla 1♂ Dec; Rio El Molino 2♂ April; no data available 1♂ (BMNH).

**P. oileus oileus* (Linnaeus, 1767). (39♂ 21♀). Range USA to Costa Rica and Antilles. I have not listed the darker *montivagus* form separately. San Salvador 1♀ June (MS); 1♂ Sept (U), 1♂ Oct (MS), 1♂ 1♀ Dec (MS); Las Brumas 2♂ Mar (VH); Los Chorros 1♂ April, 1♂ Sept (MS); La Libertad 7♂ 7♀ July (1♂ 1♀ MS, 6♂ 6♀ FS), 3♂ 2♀ Aug, 1♂ 1♀ Oct, 1♂ Nov; Santa Tecla 1♂ Jan, 1♂ Feb, 3♂ May, 1♀ June, 3♂ 4♀ July, 2♂ Aug, 1♂ Sept; San Isidro 2♂ Mar, 1♀ April; Sta Tecla-Comasagua Rd. 1♂ Aug; Majaditas 1♂ Nov; Citala 1♂ Feb; Puente Cuscatlan 1♂ Jan; Hda. Montecristo 1♂ 1♀ Feb, 1♂ 2♀ Dec; no data available 1♂ (BMNH).

Heliopetes domicella domicella (Erichson, 1848). (1♂). Range USA to northern South America. San Salvador 1♂ Nov. (MS).

**H. macaira macaira* (Reakirt, 1866). (6♂ 5♀). Range USA to Panama. San Salvador 1♀ July (VH); San Ignacio 1♂ Aug (MS); Los Chorros 1♂ April (MS); Santa Tecla 1♀ Mar; La Libertad 1♂ 1♀ Aug, 1♂ 1♀ Nov; Cerro San Jacinto 1♀ Jan; Agua Caliente 1♂ Feb; no data available 1♂ (BMNH).

**H. arsalte arsalte* (Linnaeus, 1758). (12♂ 8♀). Range Mexico to Argentina. San Salvador 2♂ June (1 U, 1 MS), 1♂ July (VH), 1♂ Oct (MS); Santa Tecla 2♀ Jan, 1♂ May, 1♀ June; La Libertad 1♀ Mar, 1♂ Dec; San Isidro 1♂ July; Los Chorros 1♂ Oct; Cerro San Jacinto 1♀ Jan, 2♂ 1♀ May; Cerro Boqueron 1♀ Nov; La Perla 1♂ Jan; no data available 1♂ 1♀ (BMNH).

**H. alana* Reakirt, 1868. (19♂ 9♀). Range Mexico to Argentina. San Salvador 1♂ July (VH), 1♂ Nov (MS); Coatepeque 1♀ July (MS); Los Chorros 1♂ Mar (VH), 1♂ July (MS), 3♂ Sept, 1♀ Oct; Santa Tecla 2♂ Jan, 1♂ 1♀ July, 1♀ Sept; La Libertad 1♂ Jan, 1♂ 1♀ Feb, 3♂ Nov, 1♂ Dec; San Isidro 1♂ Sept; Cerro San Jacinto 1♀ Jan, 1♂ 1♀ Dec; La Perla 1♀ Dec; Ilopango 1♂ Jan; no data available 1♀ (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. Ashuqueman 5♂ April (VH).

Synapte malitiosa pecta Evans, 1955. (18♂ 3♀). 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♂ 1♀). Range Mexico to El Salvador. Evans (1955) includes *shiva* 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, 1883). (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♂ July, 2♂ 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 epictetus (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 juvenus Scudder, 1872. (35♂ 10♀). Range Mexico to Argentina. Los Chorros 2♂ June, 5♂ 1♀ Sept (1♀ MS), 12♂ 1♀ 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♂ 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). (5♀). Range Mexico to Bolivia. As no males were found, this determination is tentative. Santa Tecla 3♀ Jan; Ilopango 2♀ Dec.

Eprius veleda veleda Godman, 1901. (1♂). Range Mexico to Bolivia. Rio El Molino 1♂ May.

Mnasicles hicetaon Godman, 1901. (22♂ 6♀). 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♂ 1♀ Sept; La Libertad 1♂ Dec; Cerro San Jacinto 2♂ Dec.

M. typhon Godman, 1901. (26♂ 1♀). Range Guatemala to El Salvador. La Libertad 1♀ Feb (U); Tamanique 1♂ July, 7♂ Nov, 6♂ Dec; Los Chorros 1♂ April,

3♂ June, 2♂ Sept, 5♂ Oct, 1♂ Dec.

Flaccilla aecas (Stoll, 1781). (2♂ 2♀). 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 1♂ Sept (MS);, 1♂ Oct (MS); La Libertad 1♀ Feb (U), 1♀ Nov.

Methion melas Godman, 1900. (62♂ 16♀). Range Mexico to El Salvador where it is found only in the Miramundo Cloud Forest. Hda. Montecristo 6♂ Jan, 15♂ 3♀ Feb, 7♂ 4♀ Mar (1♀ MS), 5♂ 2♀ April, 9♂ 4♀ May, 11♂ 1♀ Nov, 9♂ 2♀ Dec.

Repens reptans Evans, 1955. (4♂ 1♀). Mexico to El Salvador. Vol. Conchagua 1♂ Aug (MS); Los Chorros 1♂ April, 1♂ Oct (VH); San Isidro 1♀ Aug, 1♂ Oct.

Phanes aletes (Geyer, 1832). (2♀). Range Mexico to Brasil. Los Chorros 1♀ Feb (VH), 1♀ July (MS).

Monca telata tyrtaeus (Plötz, 1883). (2♂). Range USA to Colombia. Los Chorros 1♂ Sept; Cerro San Jacinto 1♂ Dec.

Nastra neamathla (Skinner & Williams, 1923). (1♂). Range USA to Costa Rica. San Isidro 1♂ April.

N. insignis (Plötz, 1882). (11♂ 13♀). Range Mexico to Brasil. San Salvador 1♂ Nov (MS); La Libertad 1♂ Feb (U), 1♂ Nov, 1♂ Dec; Santa Tecla 3♀ Jan, 2♀ Feb, 2♀ June, 1♂ Oct, 2♀ Dec; Tamanique 1♀ Aug, 1♂ 1♀ Nov, 1♀ Dec; Los Chorros 2♂ Oct; Cerro San Jacinto 1♂ 1♀ Dec; La Perla 1♂ Jan, 1♂ Dec.

+*Cymaenes odilia trebius* (Mabille, 1891). (83♂ 84♀). Range USA to Colombia. Tecamatepec 1♀ Dec. (U); Picacho 1♀ Nov (MS); Vol. Conchagua 1♂ Aug (MS); La Union 1♂ Oct (FS as *Lerodea edata* Plötz); Los Chorros 1♂ Sept (MS); Santa Tecla 2♀ Jan, 1♂ 1♀ May, 4♂ 3♀ June, 24♂ 27♀ July, 25♂ 30♀ Aug, 7♂ 6♀ Sept, 1♂ 1♀ Oct, 3♂ 3♀ Dec; La Libertad 1♂ April, 1♂ 2♀ Aug, 1♂ 1♀ Nov; San Isidro 1♀ July; Cerro Verde 2♀ June, 3♂ Aug, 1♂ Dec; Tamanique 1♂ Nov, 1♀ Dec; Cerro San Jacinto 2♂ Nov, 1♂ 1♀ Dec; Majaditas 1♂ Nov, 2♂ Dec; Hda. Montecristo 1♂ Mar, 1♀ Nov.

C. fraus (Godman, 1900). (2♂ 2♀). Range Mexico to Nicaragua. Santa Tecla 1♀ Feb, 1♂ 1♀ Aug; La Libertad 1♂ Dec.

**Vehilius stictomenes illudens* (Mabille, 1891). (43♂ 22♀). Range Mexico to Panama. San Salvador 1♀ Oct (U); La Libertad 1♂ Feb, 1♂ April (MS), 2♂ 4♀ Aug, 1♂ 1♀ Oct, 1♂ Nov; Santa Tecla 4♂ 2♀ Jan, 1♂ Feb, 4♂ 2♀ June, 5♂ 2♀ July, 3♂ 4♀ Aug, 3♂ 2♀ Sept, 2♂ Oct, 8♂ 1♀ Dec; Tamanique 1♀ July; Cerro San Jacinto 2♂ Jan, 3♂ Dec; Cerro Boqueron 1♂ Dec; Majaditas 1♀ Nov; La Perla 1♂ Dec; no data available 1♀ (BMNH).

V. inca (Scudder, 1872). (8♂). Range Mexico to Argentina. San Salvador 1♂ April (MS), 1♂ June (MS); Santa Tecla 1♂ Jan, 1♂ Feb, 1♂ May, 2♂ Aug; La Libertad 1♂ Feb.

V. vetulus vetulus (Mabille, 1883). (1♂). Range El Salvador to Nicaragua. Tamanique 1♂ Oct.

Mnasilus allubita (Butler, 1877). (9♂ 2♀). Range Mexico to Paraguay. Los Chorros 1♀ June (MS); Santa Tecla 1♂ July; La Libertad 1♂ Jan, 1♂ Feb, 3♂ Aug, 2♂ 1♀ Nov, 1♂ Dec.

Mnasinous patage Godman, 1900. (11♂ 3♀). Range Mexico to Costa Rica. San Isidro 1♂ Sept; Cerro Verde 2♂ June, 2♂ 2♀ Aug; Tamanique 1♂ July, 1♂ Aug, 1♂ Nov; Los Chorros 1♂ Oct; Majaditas 1♂ 1♀ Feb; Hda. Montecristo 1♂ Nov.

Mnasitheus chrysophrys (Mabille, 1891). (4♂ 1♀). Range Mexico to Paraguay. San Isidro 1♂ Dec; Tamanique 1♂ Dec; Los Chorros 1♂ 1♀ Sept, 1♂ Dec.

Moeris remus (Fabricius, 1798). (1♀). Range Mexico to Paraguay. Santa Tecla 1♀ Jan.

M. rita Evans, 1955. (33♂ 8♀). Range Mexico to Panama. San Salvador 1♀ Feb (MS), 1♂ Dec (MS); Los Chorros 1♂ June, 4♂ 1♀ Sept, 2♂ Oct (1 U); 1♂ Dec; Santa Tecla 1♂ July, 4♀ Aug, 1♂ Sept; San Isidro 1♂ April, 3♂ July; Tamanique 2♂ 2♀ Aug, 1♂ Oct, 9♂ Nov, 1♂ Dec; Cerro San Jacinto 1♂ Jan, 1♂ Dec; Majaditas 2♂ Feb; Ataco 1♂ Aug.

M. vopiscus vopiscus (Herrich-Schäffer, 1869). (28♂ 10♀). Range Mexico to Brasil. San Salvador 1♀ Oct (U), 1♀ Nov (U); Santa Tecla 1♀ Jan, 2♂ 1♀ June, 10♂ 1♀

July, 8♂ 2♀ Aug, 5♂ 1♀ Sept, 1♀ Oct; San Isidro 1♀ Jan, 1♂ Dec; Tamanique 1♂ Oct; La Perla 1♂ Dec.

M. striga stroma Evans, 1955. (4♂). Range Mexico to Colombia. I have seen a female ovipositing on a tall, unidentified grass but was unable to raise larvae. San Salvador 1♂ Aug (MS); Santa Tecla 1♂ July; Sta Tecla-Comasagua Rd. 1♂ Sept; Cerro Boqueron 1♂ Dec.

M. hyagnis hyagnis Godman, 1900. (1♂). Range Mexico to El Salvador. Majaditas 1♂ Nov.

Parphorus decora (Herrich-Schäffer, 1869). (3♂ 2♀). Range Mexico to Argentina. Cerro San Jacinto 1♂ Nov, 2♀ Dec; La Perla 1♂ Jan, 1♂ Dec.

Papias phainis Godman, 1900. (18♂ 11♀). Range Mexico to Brasil. Tamanique 1♂ July, 1♂ Aug, 7♂ 6♀ Nov, 7♂ 2♀ Dec; Los Chorros 2♂ 3♀ Sept, 1♂ Oct.

P. dictys Godman, 1900. (5♂ 2♀). Range Mexico to Ecuador. Las Brumas 1♂ Mar (VH); San Isidro 2♂ Dec; Cerro Verde 1♀ June, 1♀ Dec; Tamanique 1♂ Oct; Hda. Montecristo 1♂ Dec.

P. subcostulata integra (Mabille, 1891). (17♂ 1♀). Range Mexico to Ecuador. San Salvador 1♂ Oct (MS); Los Chorros 3♂ Sept (1 MS), 3♂ Oct (1 VH), 2♂ Dec; La Libertad 2♂ Feb (1 U), 1♂ Aug, 3♂ Nov; Tamanique 1♀ Nov; Cerro San Jacinto 1♂ Dec; Metapan 1♂ Dec.

Cobalopsis autumnna (Plötz, 1883). (1♀). Range Mexico to Brasil. This, as with many single female, is a somewhat tentative determination. Santa Tecla 1♀ July.

C. potaro Williams & Bell, 1931. (1♀). 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♀ May (MS).

Lerema lumina (Herrich-Schäffer, 1869). (30♂ 42♀). Range Guatemala to Colombia. In El Salvador *lumina* is usually found only above 1600 m. Las Brumas 1♂ Mar (VH); Cerro Verde 1♀ May (U), 4♂ 14♀ June, 13♂ 10♀ Aug, 1♂ Sept, 7♂ 6♀ Dec; Santa Tecla 1♀ July; Sta Tecla-Comasagua Rd. 1♀ Sept; Majaditas 3♂ Feb, 1♂ Dec; Hda. Montecristo 4♀ Feb, 2♀ Mar, 2♀ Nov, 1♀ Dec.

L. accius (Abbott & Smith, 1797). (20♂ 17♀). Range USA to Venezuela. Evans (1955) includes *lochius* Plötz, 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♀ July (VH), 1♂ Oct (VH); Santa Tecla 2♀ July, 1♂ Sept; La Libertad 1♂ Mar, 2♂ Nov; San Isidro 1♂ Oct, 2♂ Dec; Cerro Verde 2♀ Dec; Cerro San Jacinto 1♀ Dec; Hopango 4♂ 2♀ Jan; La Palma 1♂ Sept; Presa El Guayabo 7♂ 9♀ Jan.

L. ancillaris liris Evans, 1955. (46♂ 35♀). Range Mexico to Costa Rica. Sensuntepeque 1♂ July (MS); Santa Tecla 2♂ May, 11♂ 5♀ June, 8♂ 8♀ July, 3♂ 6♀ Aug, 1♂ 2♀ Sept, 1♀ Dec; La Libertad 1♂ Jan, 3♂ 2♀ Feb, 1♂ 1♀ Mar, 5♂ 3♀ June, 5♂ 3♀ Aug, 3♂ 2♀ Nov, 1♂ 1♀ Dec; Cerro Verde 1♀ Aug; Meanguera 1♂ April.

Morys valerius valda Evans, 1955. (7♂ 4♀). Range Mexico to Honduras. Santa Tecla 1♂ Aug; La Libertad 1♂ 1♀ Feb, 1♂ 1♀ April, 1♂ June, 1♀ Nov; San Isidro 1♂ Dec; Cerro San Jacinto 1♂ Jan, 1♂ Nov; La Perla 1♀ Jan.

M. compta micythus (Godman, 1900). (3♂ 1♀). Range Mexico to Ecuador. Santa Tecla 1♂ Aug, 1♂ Sept; La Libertad 1♂ 1♀ Dec.

(?)*Psoralis* sp. Tamanique 1♂ 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♂ Aug (MS). See note above.

T. nausiphanes Schaus, 1913. (1♂). Range El Salvador to Costa Rica. Majaditas 1♂ Feb.

**Vettius onaca* Evans, 1955. (47♂ 15♀). Range Mexico to Honduras. As pointed out by Monroe & Miller (1967), Evans' placement of *onaca* as a subspecies of *fantasos* (Stoll, 1780) was in error as both fly together in the northern part of the

range of *fantasos*. San Salvador 1♂ Dec (MS); Cerro Las Pavas 1♀ July (MS); Los Chorros 3♂ April, 2♀ Sept, 1♂ Oct (VH), 1♀ Dec; Santa Tecla 1♀ Feb, 1♀ Aug, 1♀ Oct; San Isidro 6♂ Jan, 2♂ Dec; Cerro Verde 1♀ June, 2♀ Dec; Tamanique 1♂ April, 1♂ 1♀ Oct, 7♂ 2♀ Nov, 3♂ Dec; Cerro San Jacinto 4♂ 2♀ Jan, 3♂ Sept, 3♂ Nov, 7♂ Dec; Sta Tecla-Comasagua Rd. 1♂ Sept; Majaditas 2♂ Feb; Ilopango 1♂ Jan; no data available 1♂ (BMNH).

V. fantasos (Stoll, 1780). (12♂ 6♀). Range Mexico to Paraguay. San Salvador 1♂ Sept (MS); La Libertad 1♂ Jan, 1♂ 1♀ April, 2♂ June, 1♂ Aug, 2♂ 4♀ Nov, 3♂ 1♀ Dec; Rio El Molino 1♂ May.

#*V. tertianus* (Herrich-Schäffer, 1869). (1♀). Range Chiapas, Mexico (Steinhauser, 1974) to Colombia. Santa Tecla 1♀ Sept.

V. argentus Freeman, 1969. (5♂ 3♀). Range Chiapas, Mexico to El Salvador. Cerro Verde 1♂ June, 1♀ Aug; Hda. Montecristo 1♂ Jan, 3♂ Feb, 1♀ April, 1♀ May.

Thoon modius (Mabille, 1889). (1♂). Range Guatemala to Bolivia. San Isidro 1♂ Mar.

(?)*Eutychide subcordata* (Herrich-Schäffer, 1869). (1♂). 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 1♂ April (FS).

Naevolus orius orius (Mabille, 1883). (9♂ 13♀). Range Mexico to Brasil. Santa Tecla 1♀ June, 6♂ 5♀ July, 1♂ 2♀ Aug, 2♂ 3♀ Sept, 1♀ Oct; Ataco 1♀ Aug.

Enosis achelous (Plötz, 1882). (12♂ 13♀). Range Mexico to Ecuador. Santa Tecla 1♀ Dec; La Libertad 1♂ 1♀ June, 1♂ 4♀ Aug, 1♂ 1♀ Oct, 9♂ 3♀ Nov, 3♀ Dec.

Argon argus (Möschler, 1878). (7♂ 10♀). Range El Salvador to Argentina. Food plant various palms. San Salvador 3♀ Jan, 1♂ 3♀ Feb, 1♀ Mar (MS), 1♂ 1♀ Sept (1♂ U), 2♂ Dec; Santa Tecla 1♀ Sept; La Libertad 1♂ April, 1♂ May, 1♂ 1♀ Aug.

Talides sergestus (Cramer, 1775). (2♀). Range Mexico to Brasil. Food plant *Heliconia collinsiana* (Musaceae). San Salvador 1♀ Aug (MS); Cerro San Jacinto 1♀ Jan.

T. alternata alternata Bell, 1941. (1♂ 3♀). Range Guatemala to Brasil. Food plant *Heliconia latispathia* and undetermined *Musa* sp. (Musaceae). San Salvador 1♂ 1♀ Jan; Santa Tecla 1♀ Oct, 1♀ Nov.

Tromba xanthura (Godman, 1901). (15♂ 8♀). Range Guatemala to Colombia. Food plant an un-identified palm. San Salvador 1♂ Jan, 4♂ 2♀ Feb, 1♂ Mar; La Libertad 1♀ April, 1♂ 1♀ Sept (VH), 1♂ Nov; Santa Tecla 1♀ Feb, 1♂ Mar, 2♂ July, 1♂ Aug, 1♂ 2♀ Sept, 1♂ Oct; Ataco 1♂ 1♀ Aug.

Synale cynaxa (Hewitson, 1868). (1♀). Range Mexico to Costa Rica. Food plant un-identified palm. Cerro Verde 1♀ April (MS).

Telles arcalaus (Stoll, 1782). (1♂ 2♀). Range El Salvador to Peru. Food plant *Heliconia collinsiana* and *Musa* sp. (Musaceae) in general. San Salvador 1♀ Mar (U), 1♂ Nov (MS); Ilopango 1♀ Feb.

Carystoides lila Evans, 1955. (3♂ 3♀). 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 1♀ Feb (MS), 1♂ Aug (MS); Los Chorros 2♂ 2♀ Mar (VH).

+*Perichares philetus adela* (Hewitson, 1867). (21♂ 13♀). Range Mexico to Brasil. San Salvador 1♂ June (MS), 3♂ Aug (1 MS, 2 FS), 1♂ Sept (MS); Los Chorros 1♂ Aug (MS), 1♂ Oct (VH), 1♂ Dec (U); Santa Tecla 1♂ 1♀ Jan, 1♂ 1♀ July, 1♂ 1♀ Aug, 3♂ 2♀ Sept, 1♂ Oct, 3♂ 4♀ Dec; La Libertad 1♀ Aug, 2♀ Nov; San Isidro 1♂ July; Cerro Verde 1♀ Aug; Cerro San Jacinto 1♂ Dec; Hda. Montecristo 1♂ Oct (U).

P. lotus (Butler, 1870). (1♀). Range Mexico to Paraguay. Cerro San Jacinto 1♀ Dec.

P. deceptus deceptus (Butler & Druce, 1872). (1♂). Range El Salvador to Costa

Rica. San Salvador 1♂ Aug (MS).

Lycas argentea (Hewitson, 1866). (1♂). Range Mexico to Argentina. San Salvador 1♂ Oct (MS).

Saturnus tiberius obscurus (Bell, 1941). (1♂). Range Mexico to Colombia. Los Chorros 1♂ Sept.

Quinta cannae (Herrich-Schäffer, 1869). (69♂ 60♀). Range Mexico to Argentina. Food plant *Canna* and *Calathea macrosepala* (Musaceae). This skipper and *Calpodus 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♀ June (MS), 1♂ July (MS), 1♂ Aug (MS), 1♀ Sept (MS), 3♂ 3♀ Dec (1♂ 1♀ VH); Santa Tecla 1♂ 5♀ Jan, 1♂ 1♀ Feb, 2♂ 4♀ Mar, 3♀ April, 1♂ 1♀ May, 11♂ 2♀ June, 19♂ 18♀ July, 5♂ 5♀ Aug, 9♂ 1♀ Sept, 4♂ 1♀ Oct, 1♀ Nov, 3♀ Dec; La Libertad 2♂ 7♀ Jan, 1♀ Aug, 1♂ 1♀ Nov, 7♂ 1♀ Dec; San Isidro 1♂ Aug; Cerro Verde 1♀ Aug.

Cynea irma (Möschler, 1878). (5♂ 6♀). Range Mexico to Brasil. Food plant *Calathea macrosepala* (Musaceae); larvae were successfully transferred to *Canna* sp. Usulután 1♂ July (VH); La Libertad 1♀ Feb, 2♀ Nov, 4♂ 3♀ Dec.

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

C. cynea (Hewitson, 1876). (3♂ 3♀). Range Mexico to Venezuela and Colombia. An interesting sidelight indicating the perilous nature of romance was the capture of a female (Santa Tecla 15.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♀ Aug, 1♀ Oct, 1♂ Nov.

Rhithon cubana osca (Plötz, 1883). (4♂ 6♀). Range Mexico to Ecuador. Vol. Conchagua 1♂ Aug (MS); Santa Tecla 1♀ Jan, 3♂ 1♀ 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♀ July, 2♂ Aug, 3♂ 3♀ Sept.

Decinea percosius (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). (66♂ 36♀). Range Mexico to Argentina. Los Chorros 1♀ Mar (MS), 1♀ Sept, 1♂ 1♀ Oct; Santa Tecla 1♀ Mar, 2♂ 3♀ June, 26♂ 13♀ July, 8♂ 2♀ Aug, 15♂ 9♀ Sept, 5♂ 3♀ Oct, 1♂ Dec; La Libertad 1♂ June, 1♂ 1♀ Oct, 2♂ Nov; Tamanique 1♂ July, 1♀ Dec; Cerro San Jacinto 1♂ Nov, 1♂ Dec; San Salvador 1♂ Aug (FS as *Panoquina vala* (Mabille, 1891).

Ancyloxypha arene (Edwards, 1871). (12♂ 5♀). Range USA to Costa Rica. San Salvador 1♂ Dec (MS); Rio Apacoyó 1♂ Oct (VH); Santa Tecla 2♂ 2♀ Jan, 1♂ Mar, 2♂ Aug, 1♂ Oct, 3♀ Dec; Cerro Verde 2♂ Dec; Cerro San Jacinto 1♂ Jan; Citala 1♂ Oct.

+*Copaeodes aurantiaca* (Hewitson, 1868). (1♀). 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♀ June (FS).

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

+*Hylephila phyleus phyleus* (Drury, 1773). (64♂ 35♀). Range USA to Argentina. San Salvador 1♂ 2♀ June (1♂ 1♀ FS, 1♀ MS), 3♂ July (2 FS, 1 MS), 4♂ Oct (1 MS, 2 VH, 1 U); Los Chorros 1♂ Nov (VH); Santa Tecla 9♂ 3♀ Jan, 3♂ 1♀ Feb, 5♂ 1♀ Mar, 1♂ April, 1♀ May, 2♂ 4♀ June, 7♂ 10♀ July, 15♂ 5♀ Aug, 8♂ 2♀ Sept, 1♂ 1♀ Oct, 2♂ 1♀ Dec; La Libertad 1♀ June; Cerro Verde 1♂ 1♀ 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♀ July, 1♀ Sept, 1♀ Dec.

**Polites vibex praeceps* (Scudder, 1872). (32♂ 14♀). Range USA to Peru. San Salvador 1♂ Jan (VH), 1♀ April (MS), 1♂ 1♀ June (MS); Santa Tecla 1♂ Feb, 6♂ Mar,

1♂ April (MS), 2♂ May, 3♂ 7♀ June 8♂ 2♀ July, 5♂ 2♀ Aug, 1♂ Sept, 1♂ Dec; Cerro Verde 1♀ Aug; Presa El Guayabo 1♂ Jan; no data available 1♂ (BMNH).

**Wallengrenia otho otho* (Abbott & Smith, 1797). (45♂ 32♀). Range USA to Costa Rica. La Libertad 1♂ Feb, 1♂ Aug (MS); Santa Tecla 1♀ Jan, 1♂ Mar, 4♂ May, 9♂ 3♀ June, 21♂ 20♀ July, 3♂ 3♀ Aug, 2♂ 1♀ Sept, 1♀ Oct; San Isidro 2♂ July; Cerro Verde 1♀ June; Tamanique 1♀ July; Cerro San Jacinto 1♀ Jan; no data available 1♂ (BMNH).

+*Pompeius pompeius* (Latreille, 1824). (102♂ 60♀). Range Mexico to Argentina. This is probably the commonest skipper in El Salvador. San Salvador 1♂ Jan (VH), 1♂ June (FS), 1♀ July (MS), 1♀ Aug (FS), 1♂ Dec (MS), 1♀ no date (RB); Ilopango 1♂ Feb (U); Rio Apancoyo 1♂ Oct (VH); La Libertad 1♀ Jan, 2♂ Feb, 1♂ July (MS), 2♂ 1♀ Aug, 1♀ Nov, 1♀ Dec; Santa Tecla 5♂ 5♀ Jan, 9♂ 1♀ Feb, 10♂ 6♀ Mar (1♂ MS), 1♂ 1♀ May, 5♂ 5♀ June, 20♂ 11♀ July, 7♂ 4♀ Aug, 8♂ 6♀ Sept, 2♂ Oct, 1♂ Nov, 10♂ 5♀ Dec; San Isidro 1♂ Jan; Cerro Verde 5♂ 3♀ June, 1♂ 1♀ Dec; Cerro San Jacinto 1♂ 1♀ Jan, 2♂ May, 1♂ 2♀ Dec; Ataco 1♂ Aug; Presa El Guayabo 1♂ Jan; Hda. Montecristo 1♀ Mar, 1♀ Dec; no data available 1♂ (BMNH).

Atalopedes campestris (Boisduval, 1852). (4♂ 9♀). Range USA to Brasil. Cerro Verde 1♂ May (U), 2♂ 3♀ June, 1♂ 1♀ Aug; Santa Tecla 2♀ June, 1♀ July; Hda. Montecristo 1♀ Feb, 1♀ Mar.

Atrytone mazai Freeman, 1969. (1♂). Range Texas to El Salvador. Santa Tecla 1♂ Aug.

Poanes zabulon (Boisduval & LeConte, 1829). (59♂ 15♀). Range USA to Panama. In El Salvador seldom found below 1800 m. Cerro Verde 1♂ May (U), 6♂ 2♀ June, 16♂ 9♀ Aug, 8♂ 1♀ Dec (1♂ VH); Majaditas 1600 m. 1♂ Feb; Hda. Montecristo 1♂ Jan, 9♂ 1♀ Feb, 11♂ Mar, 5♂ April, 1♂ May, 1♀ Nov, 1♀ 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 1♀ Feb (VH); Cerro Verde 1♀ Jan (MS), 3♂ 1♀ June, 5♂ 10♀ July, 1♂ Sept, 2♂ Dec; Majaditas 1♂ Feb; Hda. Montecristo 1♂ Feb, 2♂ Mar, 1♀ April, 3♂ May.

#*Onespa nubis* Steinhauser, 1974. (2♂ 3♀). Range Miramundo Cloud Forest, El Salvador. Food plant bamboo (*Chusquea* sp.). 2♂ 2♀ Mar, 1♀ Dec.

+*Paratrytone melane poa* Evans, 1955. (115♂ 49♀). Range Guatemala to Panama. In El Salvador usually found only above 1600 m. Las Brumas 1♂ Mar (VH); Los Planes 1♂ Aug (FS); Cerro Verde 3♂ 1♀ Mar (1♂ MS), 1♀ April 30♂ 26♀ Aug (1♂ VH), 1♀ Sept, 19♂ 6♀ Dec (1♂ VH); Tamanique 6♂ 4♀ June; Majaditas 3♂ Nov; Hda. Montecristo 1♂ Jan, 12♂ Feb, 35♂ 8♀ Mar (3♂ U, 2♂ VH), 2♂ 1♀ April, 1♂ May, 1♂ 1♀ Dec.

#*Mellana eulogius* (Plötz, 1883). (5♂). Range USA to Paraguay. Los Chorros 1♂ Nov (VH); Cerro San Jacinto 1♂ April (U); Santa Tecla 2♂ June; La Libertad 1♂ Mar.

+*M. gala* (Godman, 1900). (2♂). Range Mexico to El Salvador (?). Evans (1955) shows *gala* as a synonym of *monica* (Plötz, 1886). I have examined the Holotype of *gala* in the USNM and it does not resemble the illustration of *monica* in Seitz. 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 & Schröder's (1954) identification of *gala* and include it in the list. San Salvador 1♂ July (FS), 1♂ Aug (FS).

#*M. montezuma* Freeman, 1969. (19♂ 11♀). Range Mexico to El Salvador. Determined by H. A. Freeman, May 1973. San Salvador 1♂ Jan (VH), 1♂ Sept (U), 1♂ Nov (MS); Santa Tecla 1♀ June, 11♂ 7♀ July, 3♂ 1♀ Aug, 2♂ 2♀ Sept.

M. myron (Godman, 1900). (2♂). 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 *Mellana* is in great need of revision. San Salvador 1♂ Jan (AM); Los Chorros 1♂ Sept (MS).

#*M. tecla* Steinhauser, 1974. (12♂ 1♀). Range El Salvador. Cerro San Jacinto 1♂ April (U); Tamanique 1♂ July; Santa Tecla 1♀ May, 9♂ July, 1♂ Aug.

#*M. tamana* Steinhauser, 1974. (14♂ 4♀). Range El Salvador. Los Chorros 1♂ July (MS); Santa Tecla 2♀ July; Sta Tecla-Comasagua Rd. 1♀ Aug; Tamanique 3♂ 1♀ July, 10♂ Aug.

#*M. balsa freemani* Steinhauser, 1974. (6♂ 3♀). Range El Salvador. Santa Tecla 2♂ June, 4♂ 2♀ July, 1♀ Oct.

(?) *M. sp.* (2♀). 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 2♀ June.

Halotus angellus (Plötz, 1886). (15♂). Range El Salvador to Panama. Tamanique 1♂ July, 4♂ Oct, 5♂ Nov, 5♂ Dec.

H. rica (Bell, 1942). (26♂ 24♀). Range Guatemala to Ecuador. San Salvador 1♀ Aug (MS); Los Chorros 1♂ June, 1♂ July (MS); Santa Tecla 4♀ June, 5♂ 11♀ July, 8♂ 6♀ Aug, 7♂ 1♀ Sept, 1♂ Oct; Cerro Verde 2♂ June; Tamanique 1♀ Oct; Ataco 1♂ Aug.

Metron chrysogastra chrysogastra (Butler, 1870). (12♂ 2♀). Range Mexico to Colombia and Venezuela. San Salvador 1♂ Dec (MS); Los Chorros 1♂ Aug (MS), 1♂ Sept, 3♂ Oct (1 VH); San Isidro 1♀ Jan; Tamanique 1♂ Oct, 4♂ Nov, 1♂ Dec; Cerro San Jacinto 1♀ Jan.

Amblyscirtes tolteca (?) Scudder, 1872. (28♂ 8♀). 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 1♂ June (MS); Vol. Conchagua 1♀ Aug (MS); Los Chorros 1♂ Mar (MS), 3♂ June, 1♀ July (VH); Santa Tecla 1♂ 2♀ June, 7♂ 1♀ July, 1♀ Aug, 1♀ Sept; Cerro San Jacinto 7♂ May; Ataco 1♀ Aug; Barrios 8♂ April.

Lerodea eufala eufala (Edwards, 1869). (2♂). Range USA to Argentina. Santa Tecla 1♂ June; Ilopango 1♂ Jan.

L. dysaules Godman, 1900. (15♂ 3♀). Range Mexico to El Salvador. Santa Tecla 1♀ Mar, 1♂ 1♀ June, 9♂ 1♀ July, 3♂ Aug, 2♂ Sept.

+*Calpodus ethlius* (Stoll, 1782). (14♂ 19♀). Range USA to Argentina. Food plant *Canna* sp. Apastepeque 1♂ July (FS); Los Chorros 1♂ 1♀ Aug (MS); Cerro Verde 4♂ Aug (2 VH); La Libertad 2♂ 3♀ June (1♂ 3♀ VH); Tamanique 1♀ July; Santa Tecla 2♂ 3♀ May, 1♂ 3♀ June, 2♂ 1♀ July, 2♀ Aug, 3♀ Oct; Ataco 1♂ 2♀ Aug.

Panoquina ocola (Edwards, 1863). (7♂ 1♀). Range USA to Argentina. Santa Tecla 3♂ 1♀ July; Tamanique 1♂ July; Ilopango 3♂ Jan.

**P. hecebolus* (Scudder, 1872). (8♂ 5♀). Range Mexico to Paraguay. Rio Apancoyo 1♂ Oct (VH); Santa Tecla 1♂ Jan, 2♀ June, 5♂ 3♀ July; no data available 1♂ (BMNH).

P. sylvicola (Herrich-Schäffer, 1865). (24♂ 15♀). Range USA to Argentina. San Salvador 1♂ 1♀ July (1♂ MS, 1♀ VH); Vol. Conchagua 1♀ Aug (MS); Los Chorros 1♂ July (MS); Cerro San Jacinto 1♂ 1♀ Nov (1♂ VH), 2♂ Dec; Santa Tecla 1♂ Mar, 7♂ 3♀ July, 1♂ 3♀ Aug, 6♂ 3♀ Sept, 1♂ Oct, 1♀ Dec; La Libertad 2♂ Nov; Sta Tecla-Comasagua Rd. 1♀ Sept; La Perla 1♂ 1♀ Dec.

P. evadnes (Stoll, 1781). (6♂ 4♀). Range Guatemala to Argentina. San Salvador 1♂ Oct (MS); Hda. La Carrera 1♀ July (VH); Santa Tecla 4♂ 2♀ July, 1♂ Aug, 1♂ Sept.

Zenis jebus janka Evans, 1955 (2♂). 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 1♂ Feb (VH); Hda. Montecristo 1♂ Mar.

Nyctelius nyctelius nyctelius (Latreille, 1824). (8♂ 5♀). Range USA to Argentina. Santa Tecla 8♂ 3♀ July, 1♀ Dec; Cerro Verde 1♀ June.

Thespius dalmani (Latreille, 1824). (5♂ 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♂ Mar (VH); Santa Tecla 1♀ June, 2♀ July, 3♂ Aug; Cerro Verde 2♂ June, 5♂ 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 aeas* (Plötz, 1882). (2♀). Range Mexico to Colombia. Santa Tecla 1♀ Aug; La Libertad 1♀ Dec.

#*V. lachares* Godman, 1900. (1♂). Range Mexico to Ecuador. Santa Tecla 1♂ Sept.

#*V. cervara* Steinhauser, 1974. (2♂ 3♀). Range El Salvador. Tamanique 1♂ Oct; Ataco 1♂ 3♀ Aug (N.B. The date was incorrectly reported as July by Steinhauser 1974).

Oxyntes corusca (Herrich-Schäffer, 1869). (5♂ 5♀). Range Mexico to Brasil. Santa Tecla 3♂ 2♀ July, 1♂ 1♀ Aug, 1♀ Sept, 1♂ Nov; Cerro San Jacinto 1♀ Jan.

Niconiades xanthaphes Hübner, 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♂ 2♀ June, 22♂ 13♀ 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 macrosepal* (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. macrosepal*. *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♂ 2♀ July (1♂ 1♀ MS, 1♀ VH), 1♂ 1♀ Oct (1♂ VH); La Libertad 1♀ Feb, 1♀ June, 1♀ Nov, 1♂ Dec; San Isidro 1♂ 1♀ June; La Perla 1♀ Oct; Atecozol Pk. 1♀ Dec.

S. esperi Evans, 1955. (3♂). 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 Chanmico 1♂ Jan (VH); San Salvador 1♀ Jan, 1♀ May, 3♂ 1♀ Sept, 1♂ 1♀ Dec (1♀ MS); Santa Tecla 1♂ Jan, 1♀ Mar, 1♀ Oct; Cerro San Jacinto 1♂ Dec.

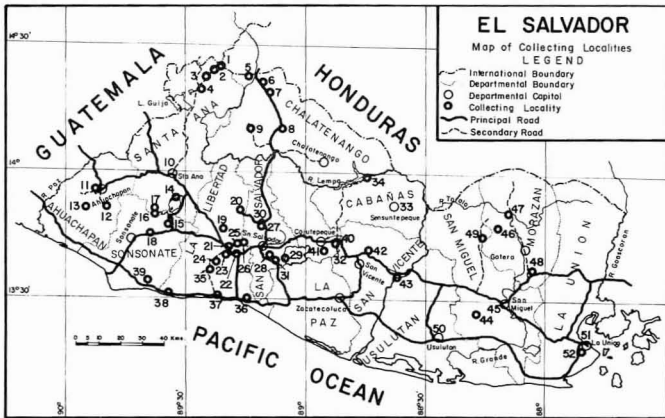
Thracides phidon (Cramer, 1779). (4♂ 4♀). Range Mexico to Brasil. Food plant *Musa* sp. and *Heliconia collinsiana* (Musaceae). San Salvador 1♂ Feb (U), 1♂ Nov; Ilopango 1♀ Mar (VH); Los Chorros 1♂ Aug (MS); Cerro San Jacinto 2♀ Jan, 1♂ 1♀ Feb.

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.
9. Agua Caliente 500m. Dry creek bed in hot, semi-arid brush.
10. Santa Ana.
11. Rio El Molino 600m. Coffee plantation and secondary growth tropical rain forest along streams about 3 kms. west of Ahuachapán.
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.
14. Coatepeque 900m. A caldera lake at the base of Volcan Santa Ana. Tropical rain forest (secondary growth), coffee plantation and residential gardens.
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. Atecozol 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 700m. 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 & Schröder (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. Cerro San Jacinto 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.
 39. Rio Apancoyo.
 40. Cojutepeque.
 41. Cerro Las Pavas.
 42. Apastepeque.
 43. Punta 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 fritzgnertneri* 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. Usulután.
 51. La Unión.
 52. Vol. Conchagua.

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

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APPENDIX

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

It is obvious that the preceding list of Hesperiidæ 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

Pyrrhopyginae

- Pyrrhopyge phidias evansi* Bell, 1947
P. phidias zenodorus Godman & Salvin, 1893
P. chalybea chloris Evans, 1951
P. cosyra Druce, 1875

P. maculosa erythrostickta Godman & Salvin, 1879
Jemadia hospita pseudognetus (Mabille, 1878)
Mysoria barcastus ambigua Mabille & Boulet, 1908
Myscelus 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. clavicornis tenda Evans, 1952
E. spinosa Evans, 1952
Aguna claxon Evans, 1952
A. coelus (Stoll, 1781)
A. albistria leucogramma (Mabille, 1888)
Typhedanus ampyx (Godman & Salvin, 1893)
Polythrix procerus (Plötz, 1881)
Codatractus melon (Godman & Salvin, 1893)
C. cyda (Godman, 1901)
Ridens mephitis (Hewitson, 1876)
R. bridgmani (Weeks, 1902)
Astrartes tucuti Williams, 1927
A. talthybius Mabille, 1888
A. phalaecus Godman & Salvin, 1893
A. apastus apastus (Cramer, 1777)
A. granadensis Möschler, 1878
A. colossus colossus Herrich-Schäffer, 1869
A. hopfferi Plötz, 1882
A. latimargo bifascia Herrich-Schäffer, 1869
A. chiriquensis chiriquensis Staudinger, 1875
Autochton longipennis (Plötz, 1882)
A. bipunctatus (Gmelin, 1790)
Achalarus jalapus Plötz, 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 Plötz, 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. avitus (Stoll, 1781)
Mimia phidyle phidyle (Godman & Salvin, 1894)
Mictris crispus caerulea (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 imperspicua Hayward, 1940
S. vincula (Plötz, 1886)
Diaeus lacaena varna Evans, 1953
Ouleus calavius (Godman & Salvin, 1895)
Zera nolckeni (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. limaera pteris Godman & Salvin, 1895
Mylon zephus zephus (Butler, 1870)
M. cajus hera Evans, 1953
Aethilla echina echina Hewitson, 1870
Achlyodes pallida Felder, 1869
Anastrus tolimus Plötz, 1884
A. robigus Plötz, 1884
A. petius peto Evans, 1953
A. meliboea meliboea Godman & Salvin, 1894
Ebrietas osyris (Staudinger, 1876)
E. evanidus (Mabille, 1897)
Camptopleura theramenes Mabille, 1877
Chiomara mithrax (Möschler, 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
Falga sciras Godman, 1901
Callimormus radiola radiola Mabille, 1878
Mnasicles geta Godman, 1901
Mnaseas bicolor bicolor (Mabille, 1889)
Vidius perigenes (Godman, 1900)
Nastra leucone leucone (Godman, 1900)
Cymaenes tripunctus theogenis Capronnier, 1874
C. tripunctata alumna Butler, 1877
Papias phaeomelas (Geyer, 1831)
P. nigrans Schaus, 1913
Cobalopsis nero (Herrich-Schäffer, 1869)
Morys geisa lyde Godman, 1900
Tigasis zalates Godman, 1900
Vettius lafresnayeii pica (Herrich-Schäffer, 1869)
V. aurelius (Plötz, 1882)
V. marcus (Fabricius, 1787)
V. conka Evans, 1955
Turesis lucas (Fabricius, 1793)
Justinia phaetusa norda Evans, 1955
Eutyche complana (Herrich-Schäffer, 1869)
E. subcordata ochus Godman, 1900
Enosis immaculata immaculata (Hewitson, 1868)
Vertica verticalis coatepeca (Schaus, 1902)
Talides sinois cantra Evans, 1955
Carystus phorcus phorcus (Cramer, 1777)
Cobalus virbius fidicula Hewitson, 1877

Damas clavus (Herrich-Schäffer, 1869)
Carystoides basoches basoches (Latreille, 1824)
Lychnuoides 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)
Orthos gabina (Godman, 1900)
Pompeius amblyspila (Mabille, 1897)
P. dares (Plötz, 1883)
Mellana clavus (Erichson, 1848)
M. helva (Möschler, 1876)
Librita librita (Plötz, 1886)
Euphyes peneia Godman, 1900
Atrytonopsis ovinia ovinia (Hewitson, 1866)
Amblyscirtes elissa Godman, 1900
A. prenda Evans, 1955
Panoquina fusina evansi Freeman, 1946
P. pauper pauper (Mabille, 1878)
Zenis minos (Latreille, 1824)
Niconiades viridis vista Evans, 1955
Aides dysoni Godman, 1900
Saliana salius (Cramer, 1775)
S. saladin saladin Evans, 1955
Neoxeniades molion (Godman, 1901)

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

GOOD CHANCE

Pyrrhopyginae

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

Pyrginae

Phocides distans licinus Möschler, 1878
Phanus rilma Evans, 1952
Drephalys oriander oria Evans, 1952
Hyalothyruus neleus pemphigargyra Mabille, 1888
Polythrix metallescens (Mabille, 1888)
Astraptus parisi helen Evans, 1952
Achalarus tehuacana (Draudt, 1922)
Bungalotis erythus (Cramer, 1775)
Dyscophellus ramusis ramon Evans, 1952
Cephise cephise cephise (Herrich-Schäffer, 1869)
Pyrdalus corbulo cora Evans, 1953
Bolla subapicatus Schaus, 1902
B. saletas (Godman & Salvin, 1896)
Staphylus 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 sombra Evans, 1955
Virga virginus (Möschler, 1882)
Moeris duena Evans, 1955
Paracarystus hypoargyra (Herrich-Schäffer, 1869)
Eutyche asema (Mabille, 1891)
Enosis angularis infuscata (Plötz, 1882)
Dubiella fiscella belpa Evans, 1955
Carystoides hondura Evans, 1955
Decinea zapota Evans, 1955
Pompeius tinga Evans, 1955
Atrytone logan (Edwards, 1863)
Paratrytone niveolimbus (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 Pyrrhopyginae, 19 Pyrginae and 19 Hesperinae).

SLIGHT CHANCE

Pyrrhopyginae

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

Pyrginae

Tarsoctenus corytus gaudialis (Hewitson, 1876)
Phanus obscurior obscurior Kaye, 1924
Epargyreus zestos Geyer, 1832
E. clarus (Cramer, 1775)
Polythrix auginus (Hewitson, 1867)
Codatractus arizonensis (Skinner, 1905)
Urbanus carmelita trebia (Möschler, 1878)
Astrartes apastus apastus (Cramer, 1777)
A. cretatus cretatus Hayward, 1939
Salatis salatis (Stoll, 1782)
Cogia mala Evans, 1953
Telemiades antiopae antiopae Plötz, 1882
Mimia chiapensis Freeman, 1969
Spioniades abbreviata abbreviata Mabille, 1888
Morvina 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 panaetius 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, 1937)
Cycloglypha enega (Möschler, 1876)

Hesperiinae

Pheraeus odilia epidius (Mabille, 1891)
Sodalia sodalis (Butler, 1877)
Thargella caura caura (Plötz, 1882)
Mnasitheus cephoides Hayward, 1943
Vettius diversa maeon (Mabille, 1891)
V. artona (Hewitson, 1868)
Thoon aethus Hayward, 1950
Enosis pruinosa pruinosa (Plötz, 1882)
Orphe gerasa (Hewitson, 1871)
Carystoides sicania orbis Godman, 1901
Cynea corope (Herrich-Schäffer, 1869)
C. nigricola Freeman, 1969
Euphyes chamuli Freeman, 1969
Tirynthia conflua (Herrich-Schäffer, 1869)
*Vacerra egl*a (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 Hesperinae).