



# NEWS OF THE LEPIDOPTERISTS' SOCIETY

Volume 42 Supplement S1 2000

## 1999 Season Summary



*Asterocampa idyja argus*, Coronado National Memorial, AZ, 24<sup>th</sup> Sept. 1999. Photo by Mark Garland.



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# Season Summary 1999

## Zone 1 Far North

## Alaska, Yukon, and Northwest Territories

### Contributors Cited:

JLH : Jack L. Harry  
KWP : Kenelm W. Philip

Coordinator: Kenelm W. Philip

NK : Norbert Kondla

P/R : Kenelm Philip & Ron Royer

### General Comments:

Previously unreported localities or species are emphasized, as are localities not recorded through an even-odd year cycle. Note regarding the Alaska Lepidoptera Survey: Kenelm Philip and Ron Royer spent 17-30 June on the Dempster Highway from North Fork Pass to the NWT border. Keno Hill and Lake Laberge were checked on 1-2 July, and Nickel Creek and other sites (KWP) were collected 3-5 July. The Bonanza Creek Experimental Forest near Fairbanks was checked throughout the summer as weather permitted.

## YUKON TERRITORIES

Weather: The southern Yukon had a very late spring, and the butterfly season was much delayed around Whitehorse and Mayo. At Lake Laberge the steppe vegetation was green and lush on 1 July, unlike 1998, but the butterflies were still down in numbers. On the other hand, the Dempster Highway had a normal spring, or possibly a slightly early one, so the flight season was more advanced as you went north. The Dempster Highway provided excellent collecting opportunities this summer. Populations of many species were higher than I have seen in many years. *Oeneis alpina* and *Boloria distincta* were at record levels in the Richardson Mountains; and at higher elevations at North Fork Pass, *Oeneis polixenes* was as abundant as I have ever seen it anywhere. Records of interest: *Anthocharis sara* was found again in the Carcross area. *Euchloe naina* was found at three sites from 130.5 to 156 km on the Dempster Highway. This species must be rather widespread in the northern Ogilvies. A hilltopping concentration of *Oeneis alpina* occurred at km 417.3 Dempster Highway - the highest concentration of this species that I have seen in the Richardson Mountains. Collecting sites: Despite rumors to the contrary, scientific and amateur collectors are cordially received at Keno Hill. There is, however, an ongoing study of the uniqueness (if any) of the habitat, and collectors are requested to check at the Museum to see if their data are needed for the project. Nickel Creek summit was inaccessible even to 4X4 vehicles as late as 4 July, owing to aufeis across the road. The blockage, however, was within an easy walk of the pass.

### Butterflies

#### HESPERIIDAE

<i>Erynnis persius</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
<i>Pyrgus centaureae</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
<i>Pyrgus centaureae</i>	Yukon Valley: south Yukon, south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
<i>Pyrgus centaureae</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
<i>Carterocephalus palaemon</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
<i>Hesperia comma</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
<i>Hesperia comma</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
<i>Hesperia comma</i>	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK
<i>Hesperia comma</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
<i>Polites draco</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK

#### PAPILIONIDAE

<i>Parnassius eversmanni</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
<i>Parnassius eversmanni</i>	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
<i>Parnassius eversmanni</i>	Stewart R. drainage: Keno Hill	01-Jul-99	P/R
<i>Papilio machaon</i>	Eagle Plains: Dempster Highway, km 266	18-Jun-99 - 26-Jun-99	P/R
<i>Papilio machaon</i>	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99	NK
<i>Papilio machaon</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 - 25-Jun-99	P/R
<i>Papilio machaon</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
<i>Papilio machaon</i>	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99	P/R
<i>Papilio machaon</i>	Stewart R. drainage: Keno Hill	01-Jul-99	P/R
<i>Papilio machaon</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
<i>Papilio canadensis</i>	Yukon Valley: south Yukon, Atlin Road & Tarfu Lake Road	15-Jun-99 - 17-Jun-99	NK
<i>Papilio canadensis</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
<i>Papilio canadensis</i>	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK

#### PIERIDAE

<i>Pontia sisymbrii</i>	Yukon Valley: south Yukon, Atlin Road & Tarfu Lake Road	15-Jun-99 - 17-Jun-99	NK
<i>Pontia sisymbrii</i>	Yukon Valley: south Yukon, Atlin Road, 6 km N of BC border	17-Jun-99	NK
<i>Pontia occidentalis</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
<i>Pontia occidentalis</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
<i>Pontia occidentalis</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 - 25-Jun-99	P/R
<i>Pontia occidentalis</i>	Stewart R. drainage: Keno Hill	01-Jul-99	P/R
<i>Pieris angelika</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R

Pieris angelika	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Pieris angelika	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Pieris angelika	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Pieris angelika	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
Pieris angelika	Stewart R. drainage: Keno Hill	01-Jul-99	P/R
Pieris angelika	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Pieris oleracea	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Euchloe ausonides	Yukon Valley: south Yukon, Atlin Road & Tarfu Lake Road	15-Jun-99 - 17-Jun-99	NK
Euchloe ausonides	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Euchloe ausonides	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Euchloe ausonides	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK
Euchloe naina	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Euchloe naina	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Euchloe creusa	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Anthocharis sara	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK
Colias philodice	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Colias philodice	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Colias hecla	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99	NK
Colias hecla	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
Colias hecla	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Colias canadensis	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Colias canadensis	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Colias canadensis	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Colias canadensis	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Colias canadensis	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 - 25-Jun-99	P/R
Colias canadensis	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK
Colias canadensis	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Colias nastes	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Colias palaeno	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
Colias palaeno	Stewart R. drainage: Keno Hill	01-Jul-99	P/R
Colias pelidne	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Colias pelidne	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Colias gigantea	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99	P/R

#### LYCAENIDAE

Callophrys polios	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99	NK
Everes amyntula	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Celastrina ladon	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Glaucopsyche lygdamus	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Glaucopsyche lygdamus	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Glaucopsyche lygdamus	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Glaucopsyche lygdamus	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Glaucopsyche lygdamus	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Lycaeides idas	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 - 26-Jun-99	P/R
Plebejus saepiolus	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Plebejus saepiolus	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Agriades rusticus	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Agriades rusticus	Eagle Plains: Dempster Highway, km 266	18-Jun-99 - 26-Jun-99	P/R
Agriades rusticus	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 - 25-Jun-99	P/R
Agriades rusticus	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Agriades rusticus	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99	P/R

#### NYMPHALIDAE

Polygonia faunus	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Nymphalis antiopa	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Nymphalis antiopa	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99	P/R
Nymphalis antiopa	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Nymphalis antiopa	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99	NK
Nymphalis antiopa	Kluane Lake vic.: Nickel Creek summit	04-Jul-99	KWP
Boloria napaea	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Boloria napaea	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
Boloria eunomia	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R
Boloria eunomia common	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99	P/R
Boloria frigga	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 - 25-Jun-99	NK
Boloria frigga	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 - 27-Jun-99	NK
Boloria improba	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 - 25-Jun-99	P/R

<i>Boloria improba</i>	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
<i>Boloria improba</i>	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Boloria improba</i>	Stewart R. drainage: Keno Hill	01-Jul-99		P/R
<i>Boloria polaris</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Boloria polaris</i>	Eagle Plains: Dempster Highway, km 266	18-Jun-99 -	26-Jun-99	P/R
<i>Boloria polaris</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
<i>Boloria polaris</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Boloria polaris</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Boloria polaris</i>	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
<i>Boloria polaris</i>	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Boloria polaris</i>	Stewart R. drainage: Keno Hill	01-Jul-99		P/R
<i>Boloria polaris</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Boloria freija</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Boloria freija</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
<i>Boloria freija</i>	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 -	27-Jun-99	NK
<i>Boloria freija</i> common	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Boloria freija</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Boloria chariclea</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Boloria chariclea</i>	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Boloria chariclea</i>	Stewart R. drainage: Keno Hill	01-Jul-99		P/R
<i>Boloria chariclea</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Boloria distincta</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Boloria distincta</i> common	Eagle Plains: Dempster Highway, km 266	18-Jun-99		P/R
<i>Boloria distincta</i> common	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99		P/R
<i>Boloria distincta</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99		P/R
<i>Boloria distincta</i> common	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
<i>Phyciodes pratensis</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
<i>Phyciodes pratensis</i>	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99		NK
<i>Phyciodes pratensis</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Euphydryas anicia</i>	Yukon Valley: south Yukon, Atlin Road & Tarfu Lake Road	15-Jun-99 -	17-Jun-99	NK
<i>Euphydryas anicia</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
<i>Euphydryas anicia helvia</i>	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 -	27-Jun-99	NK
<i>Erebia rossii</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia rossii</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia rossii</i>	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
<i>Erebia rossii</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Erebia disa</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia disa</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia mancinus</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Erebia mancinus</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99		P/R
<i>Erebia mancinus</i>	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99		NK
<i>Erebia mancinus</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Erebia magdalena mackinleyensis</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Erebia magdalena mackinleyensis</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99		P/R
<i>Erebia magdalena mackinleyensis</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99		P/R
<i>Erebia magdalena mackinleyensis</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99		P/R
<i>Erebia occulta</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia occulta</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia fasciata</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Erebia fasciata</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
<i>Erebia fasciata</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia fasciata</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Erebia discoidalis</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
<i>Erebia theano</i>	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
<i>Erebia theano</i>	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
<i>Erebia theano</i> common	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Erebia theano</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Erebia youngi</i>	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia youngi</i>	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
<i>Erebia youngi</i>	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
<i>Erebia youngi</i>	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
<i>Erebia youngi</i>	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
<i>Erebia epispodea</i>	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK

Erebia lafontainei	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
Erebia lafontainei	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
Oeneis chryxus	Yukon Valley: south Yukon, Atlin Road & Tarfu Lake Road	15-Jun-99 -	17-Jun-99	NK
Oeneis chryxus	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
Oeneis chryxus	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 -	27-Jun-99	NK
Oeneis chryxus	Yukon Valley: south Yukon, 4-14 km E of Carcross	24-Jun-99		NK
Oeneis uhleri	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
Oeneis uhleri	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
Oeneis uhleri	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis uhleri	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
Oeneis uhleri	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
Oeneis bore	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
Oeneis bore	Eagle Plains: Dempster Highway, km 266	18-Jun-99 -	26-Jun-99	P/R
Oeneis bore	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
Oeneis bore	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
Oeneis bore	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis bore	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
Oeneis bore	Kluane Lake vic.: Nickel Creek summit	04-Jul-99		KWP
Oeneis jutta	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
Oeneis jutta	Yukon Valley: south Yukon, Annie Lake Road, km 6, 12	17-Jun-99 -	25-Jun-99	NK
Oeneis jutta	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
Oeneis jutta	Yukon Valley: south Yukon, Fish Lake Road, km 9	18-Jun-99 -	27-Jun-99	NK
Oeneis jutta	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis jutta	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
Oeneis melissa	Eagle Plains: Dempster Highway, km 266	18-Jun-99 -	26-Jun-99	P/R
Oeneis melissa	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis melissa	Richardson Mountains: Dempster Highway, km 463.3	19-Jun-99 -	25-Jun-99	P/R
Oeneis melissa	Stewart R. drainage: Keno Hill	01-Jul-99		P/R
Oeneis polixenes	Ogilvie Mountains: Dempster Highway, km 130.5	17-Jun-99		P/R
Oeneis polixenes	Ogilvie Mountains: Dempster Highway, km 156	18-Jun-99 -	26-Jun-99	P/R
Oeneis polixenes	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis polixenes	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R
Oeneis polixenes common	Ogilvie Mountains: North Fork Pass, km 81 Dempster Highway	30-Jun-99		P/R
Oeneis polixenes	Stewart R. drainage: Keno Hill	01-Jul-99		P/R
Oeneis alpina	Richardson Mountains: Dempster Highway, km 412.5	19-Jun-99 -	25-Jun-99	P/R
Oeneis alpina common	Richardson Mountains: Dempster Highway, km 417.3	24-Jun-99		P/R

## ALASKA

Weather: Interior Alaska had another late and very dry spring. Late summer butterfly species in the Fairbanks area were even sparser than in 1998. Records of interest: The Northway Airport colony of *Colias krauthii kluanensis* is surviving the construction in its (limited) habitat. *Oeneis rosovi* was found (JLH) at Northway. *Nymphalis milberti* turned up at the Bonanza Creek Experimental Forest, near Fairbanks. *Nymphalis vau-album* was found (JLH) at Hyder in SE Alaska.

### Butterflies

#### HESPERIIDAE

<i>Erynnis afranius</i>	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 -	04-Jun-99	JLH
<i>Erynnis afranius</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 -	09-Jun-99	JLH
<i>Pyrgus centaureae</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Carterocephalus palaemon</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Hesperia comma</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Hesperia comma</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Hesperia comma</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Hesperia comma</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH

#### PAPILIONIDAE

<i>Parnassius evermanni</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Parnassius evermanni</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Parnassius evermanni</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Papilio machaon</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Papilio machaon</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 -	18-Jun-99	JLH
<i>Papilio machaon</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99		JLH
<i>Papilio machaon</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
<i>Papilio machaon</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Papilio machaon</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Papilio machaon</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Papilio machaon</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH



<i>Papilio machaon</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<i>Papilio canadensis</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Papilio canadensis</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 -	09-Jun-99	JLH
<i>Papilio canadensis</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99		JLH
<b>PIERIDAE</b>				
<i>Pontia occidentalis</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Pontia occidentalis</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Pontia occidentalis</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<i>Pieris napi</i>	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99		JLH
	unclear where this population fits taxonomically			
<i>Pieris napi</i>	Southeast Alaska: Little Salmon R., 2.1mi. SW mi. 26 Haines Hwy.	23-Jul-99		JLH
	unclear where this population fits taxonomically			
<i>Pieris napi</i>	Southeast Alaska: Hyder	03-Aug-99		JLH
	unclear where this population fits taxonomically			
<i>Pieris angelika</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 -	18-Jun-99	JLH
<i>Pieris angelika</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Pieris angelika</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Pieris angelika</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Pieris angelika</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Euchloe ausonides</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Euchloe ausonides</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 -	09-Jun-99	JLH
<i>Euchloe ausonides</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99		JLH
<i>Euchloe creusa</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Euchloe creusa</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Anthocharis sara</i>	SE Alaska: Hyder	03-Aug-99		JLH
<i>Colias philodice</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias philodice</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias philodice</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Colias hecla</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Colias hecla</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias hecla</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias hecla</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Colias hecla</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<i>Colias canadensis</i>	Interior Alaska: Dalton Highway, mile 94	22-Jun-99		JLH
<i>Colias canadensis</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
<i>Colias canadensis</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Colias nastes</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Colias nastes</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias nastes</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias thula</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias thula</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Colias thula</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias thula</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<i>Colias palaeno</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Colias palaeno</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99		JLH
<i>Colias palaeno</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
<i>Colias palaeno</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias palaeno</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias palaeno</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<i>Colias gigantea</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Colias gigantea</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Colias gigantea</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
<i>Colias gigantea</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Colias gigantea</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
<b>LYCAENIDAE</b>				
<i>Lycaena dorcas</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Callophrys augustinus</i>	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 -	04-Jun-99	JLH
<i>Callophrys augustinus</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Callophrys polios</i>	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99		JLH
<i>Callophrys polios</i>	Interior Alaska: Tanana Valley, 15 miles S Tok on Tok Cutoff	12-Jun-99		JLH
<i>Everes amyntula</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
<i>Everes amyntula</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 -	09-Jun-99	JLH
<i>Everes amyntula</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
<i>Everes amyntula</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
<i>Everes amyntula</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH

Celastrina ladon	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 -	04-Jun-99	JLH
Celastrina ladon	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Celastrina ladon	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 -	18-Jun-99	JLH
Celastrina ladon	SE Alaska: Hyder	03-Aug-99		JLH
Glaucopsyche lygdamus	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 -	04-Jun-99	JLH
Glaucopsyche lygdamus	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Glaucopsyche lygdamus	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
Glaucopsyche lygdamus	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
Lycaeides idas	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Lycaeides idas	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
Lycaeides idas	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
Lycaeides idas	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
Plebejus saepiolus	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Plebejus saepiolus	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 -	09-Jun-99	JLH
Plebejus saepiolus	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99 -	31-Jul-99	JLH
Plebejus saepiolus	Southeast Alaska: Little Salmon R., 2.1mi. SW mi. 26 Haines Hwy.	23-Jul-99 -	31-Jul-99	JLH
Vacciniina optilete	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Vacciniina optilete	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
Agriades rusticus	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
Agriades rusticus	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99		JLH

#### NYMPHALIDAE

Polygona satyrus	Southeast Alaska: Little Salmon R., 2.1mi. SW mi. 26 Haines Hwy.	23-Jul-99 -	31-Jul-99	JLH
Polygona satyrus	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99 -	31-Jul-99	JLH
Polygona satyrus	Southeast Alaska: Hyder	03-Aug-99		JLH
Polygona faunus	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99 -	31-Jul-99	JLH
Polygona faunus	SE Alaska: Hyder	03-Aug-99		JLH
Polygona gracilis	SE Alaska: Hyder	03-Aug-99		JLH
Nymphalis vau-album	SE Alaska: Hyder	03-Aug-99		JLH
Nymphalis antiopa	SE Alaska: Hyder	03-Aug-99		JLH
Nymphalis milberti	Interior Alaska: Bonanza Creek Exp. Forest, off Parks Hwy mi. 339	18-Jul-99		JLH
Speyeria zerene	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99 -	31-Jul-99	JLH
Speyeria zerene	Southeast Alaska: Little Salmon R., 2.1mi. SW mi. 26 Haines Hwy.	23-Jul-99 -	31-Jul-99	JLH
Speyeria atlantis late flight	Interior Alaska: Bonanza Creek Exp. Forest, off Parks Hwy mi. 339	18-Jul-99		JLH
Speyeria mormonia	Southeast Alaska: Little Salmon R., 2.1mi. SW mi. 26 Haines Hwy.	23-Jul-99 -	31-Jul-99	JLH
Speyeria mormonia	Southeast Alaska: Haines Highway, mile 17.6	23-Jul-99 -	31-Jul-99	JLH
Boloria napaea	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Boloria napaea	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
Boloria napaea	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Boloria napaea	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
Boloria eunomia	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Boloria eunomia	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Boloria eunomia	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
Boloria eunomia	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
Boloria selene	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Boloria frigga	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Boloria frigga	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Boloria frigga	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Boloria improba	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Boloria improba	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
Boloria improba	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99		JLH
Boloria improba	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Boloria improba	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
Boloria improba	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
Boloria polaris	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 -	18-Jun-99	JLH
Boloria polaris	Interior Alaska: Dalton Highway, mile 94	22-Jun-99		JLH
Boloria polaris	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99		JLH
Boloria polaris	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 -	13-Jul-99	JLH
Boloria polaris	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 -	14-Jul-99	JLH
Boloria polaris	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 -	12-Jul-99	JLH
Boloria freija	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 -	04-Jun-99	JLH
Boloria freija	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH
Boloria freija	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 -	25-Jun-99	JLH
Boloria freija	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 -	14-Jul-99	JLH
Boloria titania	Alaska Range: Alaska Highway, mi. 1339.7	05-Jul-99		KWVP
Boloria chariclea	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 -	21-Jun-99	JLH

<i>Boloria chariclea</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 - 18-Jun-99	JLH
<i>Boloria chariclea</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Boloria chariclea</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Boloria chariclea</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Boloria chariclea</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Boloria chariclea</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 - 12-Jul-99	JLH
<i>Boloria chariclea</i>	Alaska Range: Alaska Highway, mi. 1339.7	05-Jul-99	KWP
<i>Boloria distincta</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99	JLH
<i>Boloria distincta</i>	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
<i>Boloria distincta</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99	JLH
<i>Limnitis arthemis</i>	Southeast Alaska: Hyder	03-Aug-99	JLH
<i>Coenonympha kodiak</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Coenonympha kodiak</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Coenonympha kodiak</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 - 12-Jul-99	JLH
<i>Erebia rossii</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Erebia rossii</i>	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
<i>Erebia rossii</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Erebia rossii</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia rossii</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia disa</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Erebia disa</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia disa</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia disa</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 - 12-Jul-99	JLH
<i>Erebia mancinus</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99	JLH
<i>Erebia mancinus</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99	JLH
<i>Erebia magdalena mackinleyensis</i>	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
<i>Erebia occulta</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Erebia occulta</i>	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
<i>Erebia fasciata</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 - 18-Jun-99	JLH
<i>Erebia fasciata</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Erebia fasciata</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Erebia fasciata</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia fasciata</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia discoidalis</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 - 21-Jun-99	JLH
<i>Erebia discoidalis</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 - 18-Jun-99	JLH
<i>Erebia discoidalis</i>	Interior Alaska: Dalton Highway, mile 94	22-Jun-99	JLH
<i>Erebia discoidalis</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Erebia theano</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Erebia theano</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia youngi</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 - 18-Jun-99	JLH
<i>Erebia youngi</i>	Interior Alaska: Dalton Highway, mile 94	22-Jun-99	JLH
<i>Erebia youngi</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Erebia youngi</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Erebia youngi</i>	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
<i>Erebia youngi</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia lafontainei</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Erebia lafontainei</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Erebia lafontainei</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia lafontainei</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Erebia lafontainei</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 - 12-Jul-99	JLH
<i>Oeneis chryxus</i>	Interior Alaska: Tanana Valley, 1 mi E of Anderson	24-May-99 - 04-Jun-99	JLH
<i>Oeneis chryxus</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 - 09-Jun-99	JLH
<i>Oeneis chryxus</i> very common	Interior Alaska: Tanana Valley, 5 miles S Tok on Tok Cutoff	15-Jun-99 - 16-Jun-99	KWP
<i>Oeneis bore</i>	Interior Alaska: Mt. Fairplay, mi. 34.4 Taylor Highway	13-Jun-99 - 18-Jun-99	JLH
<i>Oeneis bore</i>	Interior Alaska: Dalton Highway, mile 94	22-Jun-99	JLH
<i>Oeneis bore</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Oeneis bore</i>	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
<i>Oeneis bore</i>	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
<i>Oeneis bore</i>	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
<i>Oeneis bore</i>	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
<i>Oeneis bore</i>	North Slope: Dalton Highway, mile 353.4, Sagwon Bluffs	04-Jul-99 - 12-Jul-99	JLH
<i>Oeneis jutta</i>	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 - 21-Jun-99	JLH
<i>Oeneis jutta</i>	Interior Alaska: Tanana Valley, Nenana	04-Jun-99 - 09-Jun-99	JLH
<i>Oeneis jutta</i>	Interior Alaska: Dalton Highway, mile 72.6, Ft. Hamlin Hills Ck.	22-Jun-99	JLH
<i>Oeneis jutta</i>	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
<i>Oeneis melissa</i>	Interior Alaska: Dalton Highway, mile 94	22-Jun-99	JLH

Oeneis melissa	Interior Alaska: Dalton Highway, mile 109.8	23-Jun-99	JLH
Oeneis melissa	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
Oeneis melissa	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
Oeneis melissa	Brooks Range: Dalton Highway, mile 243.5, nr. Atigun Pass	26-Jun-99	JLH
Oeneis polixenes	Brooks Range: Chandalar Shelf, ridge W of Dalton Hwy, mm 237.5	24-Jun-99 - 25-Jun-99	JLH
Oeneis polixenes	Arctic Coastal Plain: Dalton Highway, mile 370-390, nr. Franklin Bluffs	26-Jun-99 - 13-Jul-99	JLH
Oeneis polixenes	North Slope: Dalton Highway, mile 323, Sag. River floodplain	29-Jun-99 - 14-Jul-99	JLH
Oeneis polixenes	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH
Oeneis rosovi	Interior Alaska: Ballaine Road at Goldstream, N of Fairbanks	26-May-99 - 21-Jun-99	JLH
Oeneis rosovi	Interior Alaska: Northway Airport	10-Jun-99 - 11-Jun-99	JLH
Oeneis rosovi	Interior Alaska: Tanana Valley, 15 miles S Tok on Tok Cutoff	12-Jun-99	JLH
Oeneis alpina	North Slope: Dalton Highway, mile 274, 1-2mi. W Galbraith L.	29-Jun-99 - 14-Jul-99	JLH

**Moths**

**SPHINGIDAE**

Proserpinus flavofasciata	Interior Alaska: Fairbanks	30-May-99	JLH
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**Zone 2 Pacific Northwest Idaho, Oregon, Washington, British Columbia**

**Coordinator:** Jon H. Shepard

**Contributors Cited:**

BB : Barry Bidwell	SCB : Steven C. Bransky	VC : Vern Covlin
LE : Larry Everson	JF : John Fleckenstein	CSG : Cris Guppy
DH1 : Dave Hays	NK : Norbert Kondla	GL1 : Gary Lindberg
AP : Ann Potter	RMP : Robert M. Pyle	DAR : Don Rolfs
DNR : Dana N. Ross	JHS : Jon H. Shepard	RKS : Ray & Kit Stanford
DTH : Daniel Thackaberry	ADW : Andrew D. Warren	

**General Comments:**

None of the contributors commented on general conditions in the Zone. In general, the weather was significantly cooler and wetter in the early spring, with a one month delay in the emergence of all species. In spite of the poor weather, all states and provinces, except Washington, reported new species, and British Columbia remarkably reported three new species. Migratory species of butterflies were not reported except for the Monarch for Jackson County, Oregon.

**BRITISH COLUMBIA**

Guppy, Kondla, and Shepard each verified a new species of butterfly for the province, Callophrys nippon, Euchloe naina, and Lycaena hyllus respectively. Guppy and Shepard also recorded 28 District records for the Liard Highway area north of Fort Nelson in the extreme northeast of the province. This is also where two of the PROVINCIAL RECORDS were found. No one reported any migratory species.

**Butterflies**

**HESPERIIDAE**

Erynnis icelus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Carterocephalus palaemon	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG

**PAPILIONIDAE**

Papilio canadensis	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Papilio canadensis	NORTHEAST: Petiotot R., Liard Hwy.	25-Jul-99	JHS

**PIERIDAE**

Pieris oleracea	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Pieris oleracea	NORTHEAST: Petiotot R., Liard Hwy.	25-Jul-99	JHS
Euchloe naina	ATLIN DIST.: Mt. Racine	26-Jun-99	NK
PROVINCIAL RECORD			
Colias interior	DISTRICT/NE: Stanolind Cr.	22-Jul-99	JHS
Colias gigantea	LIARD RIVER DIST.: Tainhia L. Rd., 5mS	24-Jul-99	JHS

**LYCAENIDAE**

Lycaena hyllus	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
PROVINCIAL RECORD			
Lycaena dorcas	LIARD RIVER DIST.: Petiotot R., Liard Hwy.	25-Jul-99	JHS
Callophrys augustinus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Callophrys nippon	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
PROVINCIAL RECORD			
Callophrys eryphon	NORTHWEST: Boya L. PP, 3 km N	15-Jun-99	NK
Everes amyntula	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Everes amyntula	Liard River Dist.: Petiotot R., Liard Hwy.	25-Jul-99	JHS



Celastrina ladon	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Glaucopsyche lygdamus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Plebejus saepiolus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Plebejus saepiolus	Liard River Dist.: Petitot R., Liard Hwy.	25-Jul-99	JHS
Vacciniina optilete	LIARD RIVER DIST.: Tainhia L. Rd., 5mS	24-Jul-99	JHS
<b>NYMPHALIDAE</b>			
Polygonia satyrus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Polygonia faunus	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Polygonia gracilis	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Polygonia progne	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Nymphalis antiopa	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Nymphalis antiopa	Liard River Dist.: Petitot R., Liard Hwy.	25-Jul-99	JHS
Speyeria atlantis	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Boloria selene	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Boloria astarte	NORTHERN: Tootsee Ridge	27-Jun-99	CSG
Boloria chariclea	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Phyciodes tharos	LIARD RIVER DIST.: Nelson River	16-Jun-99	CSG
Phyciodes tharos	NORTHEAST: Petitot R., Liard Hwy.	25-Jul-99	JHS
Phyciodes batesii	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Phyciodes pratensis	LIARD RIVER DIST.: Stanolind Cr.	22-Jul-99	JHS
Euphydryas chalcedona	STEWART DIST.: Mesadien Jct., 16 km W	02-Jul-99	NK
Limnitis arthemis	LIARD RIVER DIST.: Petitot R., Liard Hwy.	25-Jul-99	JHS

## IDAHO

The only comments were from Steve Bransky for Fremont and Madison counties where butterfly populations seemed near normal.

### Butterflies

#### HESPERIIDAE

Erynnis afranius	FREMONT: Mesa Falls, 6miNE F.S. Rd.151999	11-Jul-99	SCB
Hesperia juba	LEWIS: nr. Winchester	16-Aug-99	RKS
Hesperia comma harpalus	LEWIS: nr. Winchester	16-Aug-99	RKS
Polites sabuleti	NEZ PERCE: Lewiston	16-Aug-99	RKS
Polites sabuleti	LEWIS: nr. Winchester	16-Aug-99	RKS
Atalopedes campestris	LEWIS: nr. Winchester	16-Aug-99	RKS
Atalopedes campestris	NEZ PERCE: Lewiston	16-Aug-99	RKS

STATE RECORD

#### PIERIDAE

Pontia occidentalis	LEWIS: nr. Winchester	16-Aug-99	RKS
Colias philodice eriphyle	LEWIS: nr. Winchester	16-Aug-99	RKS
Colias pelidne	MADISON: Poplar, 9miE,F.S.Rd.226 @218	12-Jul-99	SCB

#### LYCAENIDAE

Lycaena helloides	LEWIS: nr. Winchester	16-Aug-99	RKS
Strymon melinus setonia	LEWIS: nr. Winchester	16-Aug-99	RKS

#### NYMPHALIDAE

Speyeria edwardsii	FREMONT: Mesa Falls, 6miNE F.S. Rd.151999	11-Jul-99	SCB
Speyeria zerene garretti	LEWIS: nr. Winchester	16-Aug-99	RKS
Speyeria hydaspe sakuntala	LEWIS: nr. Winchester	16-Aug-99	RKS
Boloria kriemhild	MADISON: Poplar, 9miE,F.S.Rd.226 @218	12-Jul-99	SCB
Limnitis archippus lahontani	LEWIS: nr. Winchester	16-Aug-99	RKS
Cercyonis pegala boopis	LEWIS: nr. Winchester	16-Aug-99	RKS

### Moths

#### SATURNIIDAE

Hemileuca eglanterina	FREMONT: Mesa Falls, 6miNE F.S. Rd.151999	11-Jul-99	SCB
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#### SPHINGIDAE

Paonias myops	BONNEVILLE: Hwy. .26@Granite Cr. Rd.	10-Jul-99	SCB
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## OREGON

Dana Ross sighted Danaus gilippus in Harney Co., an unexpected STATE RECORD. Eric Runquist did a detailed survey of the butterflies of the Soda Mountain region with BLM funding. No migratory species were reported except for a single county record.

### Butterflies

#### HESPERIIDAE

Erynnis icelus	GRANT: Stony Creek Road	06-May-99	VC
Erynnis icelus	MORROW: Stony Creek Trail	10-Jun-99	VC
Erynnis persius	POLK: Pedee Cr./Bald Mountain Rd.	23-May-99	ADW
Erynnis persius	HARNEY: King Mountain L.O. area	14-Jun-99	VC
Heliopetes ericetorum	SHERMAN: Rufus	12-Sep-99	DTH

<i>Pholisora catullus</i>	DESCHUTES: Smith Rock State Park	22-May-99	LE
<i>Pholisora catullus</i>	GILLIAM: Rock Creek	12-Sep-99	DTH
<i>Polites sabuleti</i>	WHEELER: Hwy 26	05-Sep-99	DTH
<i>Atalopedes campestris</i>	GILLIAM: Rock Creek	12-Sep-99	DTH
<b>PAPILIONIDAE</b>			
<i>Papilio oregonius</i>	LINN: Sand Mountain	10-Aug-99	DTH
<i>Papilio indra</i>	CROOK: Bear Creek Road	01-Jul-99	DTH
<b>LYCAENIDAE</b>			
<i>Satyrrium sylvinum putnami</i>	HOOD RIVER: Iron Creek, 1/2 mi SE rds.35/48	28-Aug-99	LE
<i>Callophrys dumetorum</i>	LINCOLN: Burnt Woods	16-May-99	ADW
<i>Callophrys johnsoni</i>	MULTNOMAH: Larch Mountain Road	11-Jul-99	GL1
<i>Callophrys barryi</i>	MORROW: c. 1/2 mi. N Potamus Point	04-Jun-99	VC
<i>Callophrys augustinus iroides</i>	POLK: E side Bald Mountain	23-May-99	ADW
<i>Callophrys augustinus iroides</i>	CURRY: Onion Camp	11-Jun-99	DTH
<i>Callophrys augustinus iroides</i>	MALHEUR: Pass S on Clarks Creek Road	12-Jun-99	VC
<i>Lycaeides idas atrapraetextus</i>	UNION: East Fork Eagle Creek	06-Sep-99	DTH
<b>NYMPHALIDAE</b>			
<i>Phyciodes pallidus barnesi</i>	WHEELER: Pine Creek	22-May-99	DTH
<i>Limenitis archippus lahontani</i>	GILLIAM: Rock Creek	12-Sep-99	DTH
<i>Danaus gilippus strigosus</i>	HARNEY: SW Steens Mountain	25-Aug-99	DNR
STATE RECORD; sight			

## WASHINGTON

*Themylicus lineola* still evades detection in the state, in spite of the fact that it is known to occur in adjacent areas of southern British Columbia. The most remarkable find is that *Atalopedes campestris* has dispersed east along the Columbia and Snake Rivers into western Idaho, where Ray Stanford reported it at the annual Oregon meeting of PNW lepidopterists. Unfortunately, he did not get the details on the Idaho collections into the Season Summary due to Y2K problems!! Robert Pyle observed and photographed a small population of *Ochlodes yuma* which is only the second Washington record and is opposite a previous record from Oregon. The second Washington record was on the grounds of Maryhill Museum in the Columbia River Gorge.

## Butterflies

### HESPERIIDAE

<i>Pyrgus communis</i>	GARFIELD: Pomeroy	17-Aug-99	RKS
<i>Carterocephalus palaemon mandan</i>	CLALLAM: Dungeness Area	22-May-99	DH1
<i>Polites sabuleti</i>	GARFIELD: Pomeroy	17-Aug-99	RKS
<i>Polites mardon</i>	PIERCE: Fort Lewis, Artillery Impact Area	18-May-99	JF
<i>Polites sonora</i>	KLICKITAT: Flying L Ranch	08-Jul-99	AP
<i>Atalopedes campestris</i>	YAKIMA: Selah Ponds, N. Yakima	16-Aug-99	RKS
<i>Atalopedes campestris</i>	WALLA WALLA: Walla Walla	16-Aug-99	RKS
<i>Atalopedes campestris</i>	GARFIELD: Pomeroy	17-Aug-99	RKS
<i>Atalopedes campestris</i>	ASOTIN: Clarkston	17-Aug-99	RKS
<i>Atalopedes campestris</i>	COLUMBIA: Dayton	17-Aug-99	RKS
<i>Ochlodes yuma</i>	KLICKITAT: Mary Hill Museum	30-Jul-99	RMP

### PAPILIONIDAE

<i>Parnassius smintheus</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
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### LYCAENIDAE

<i>Lycaena heteronea</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Lycaena mariposa</i>	GARFIELD: Sunset Pt., FR 41999, UNF	17-Aug-99	RKS
<i>Lycaena mariposa</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Satyrrium californicum</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Satyrrium sylvinum</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Satyrrium saepium</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Callophrys eryphon sheltonensis</i>	THURSTON: Glacial Heritage County Park	29-Apr-99	BB
<i>Lycaeides idas</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS

### NYMPHALIDAE

<i>Polygonia oreas silenus</i>	KLICKITAT: Holmes Cr.	18-Jun-99	DAR
<i>Nymphalis vau-album</i>	ASOTIN: Wickiup Spgs., 2mi NE on FR 43, UNF	17-Aug-99	RKS
<i>Nymphalis vau-album</i>	GARFIELD: Rose Spgs., FR 41999, UNF	17-Aug-99	RKS
<i>Nymphalis vau-album</i>	WALLA WALLA: Mill Cr. Rd., 12miSE Walla Walla	18-Aug-99	RKS
<i>Nymphalis californica</i>	WALLA WALLA: Mill Cr. 6mi E Walla Walla, UNF	18-Aug-99	RKS
<i>Speyeria cybele leto</i>	WALLA WALLA: Mill Cr. Rd., 12miSE Walla Walla	18-Aug-99	RKS
<i>Speyeria coronis</i>	GARFIELD: Rose Spgs., FR 41999, UNF	17-Aug-99	RKS
<i>Speyeria mormonia</i>	GARFIELD: Sunset Pt., FR 41999, UNF	17-Aug-99	RKS
<i>Speyeria mormonia</i>	WALLA WALLA: Mill Cr. 6miE Walla Walla, UNF	18-Aug-99	RKS
<i>Danaus plexippus</i>	THURSTON: Scatter Cr. Wildlife Area, S unit	03-Jun-99	AP

## Zone 3 Southwest/Hawaii Arizona, California, Nevada, and Hawaii

Coordinator: Robert L. Langston

### Contributors Cited:

EDB : Ed D. Ballard  
 LEC : Laurence E. Crabtree  
 PMJ : Peter M. Jump  
 RLL : Robert L. Langston  
 M/B : Bill Mooney & Howard Byrne  
 JO2 : John Orzel  
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 JBV : John B. Vernon

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 RHL : Ron H. Leuschner  
 RCM : Robert C. Mower  
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 SJK : Steven J. Kohler  
 SOM : Sterling O. Mattoon  
 RN : Ray Nagle  
 KMR : Kelly M. Richers  
 SMS : Steven M. Spomer  
 V/L : J. Vernon & R. Langston

### General Comments:

Ed. Note - Bob Langston has announced that he is retiring as the Zone Coordinator. Bob has been compiling the records for the Southwest, in its various permutations, for almost 40 years! He has faithfully sorted through mounds of records in an attempt to keep the regional report meaningful and useful. He was able to do this in spite of the coming and going of various editors and the advent of our computerization. He deserves our thanks, and while he will no longer be compiling the Zone 3 records, we hope to continue to see his field observations being reported for many years to come. Starting with Season Summary 2000 the torch will be passed to Ken Davenport, 6601 Eucalyptus Dr., #325, Bakersfield, CA, 93306, e-mail flutterflies@juno.com

## ARIZONA

The La Nina year was characterized by extreme weather. Severe drought dominated the first half of the year. The spring butterfly flights were further damaged by a rare, killing frost at Easter. However, the rains arrived in late June and the monsoon season was the longest on record. Moths responded in huge numbers and larvae of many species were found in large numbers until late September. Unfortunately, other than the grass feeding skippers, many butterfly species never fully recovered. The 50th Annual Meeting brought a large number of collectors to Arizona and helped establish 10 COUNTY butterfly records. For moths there were 6 COUNTY records, 1 STATE record, and several new larval foodplant records. Although not a record, the most exciting occurrence was the late season appearance of hilltopping adults of *Asterocampa idyja argus* near Coronado Peak in the Huachuca Mountains. Only one previous adult had ever been observed in Arizona.

### Butterflies

#### HESPERIIDAE

Codatractus arizonensis first record from this mountain range	Cochise: Huachuca Mountains; 0.5 mi W of Montezuma Pass	07-Aug-99	SJK
Urbanus procne	PIMA: Tucson; nursery at Pantano and Speedway	23-Sep-99	JPB
Timochares ruptifasciatus	COCHISE: Huachuca Mountains; Miller Canyon	06-Aug-99	SMS
Erynnis telemachus southern range extension	PINAL: Hwy 60, 5 mi E of Superior, 4850'	19-Apr-99	RES
Pyrgus scriptura	Pima: Tucson Mountain Park	06-Mar-99	JPB
Pyrgus scriptura	GILA: gulch along Hwy 60 at mm 308.1, 5800'	15-Apr-99	RES
Hesperopsis graciellae type area in Mohave County when described back in 1970	LaPaz: Colorado River; 3 mi NE of Parker	04-Aug-99	V/L

#### PAPILIONIDAE

Papilio polyxenes asterius two mature larvae on cilantro (Coriander sp.)	Cochise: Sierra Vista, 4600'	07-Aug-99	V/L
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#### PIERIDAE

Euchloe hyantis lotta	NAVAJO: Laguna Creek, 6750'; nr Marsh Pass Trading Post	14-Apr-99	RES
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#### LYCAENIDAE

Callophrys augustinus annetteae	GILA: gulch along Hwy 60 at mm 308.1, 5800'	15-Apr-99	RES
Euphilotes ellisi	NAVAJO: Hwy 77 4 mi N of Show Low, 6335'	04-Aug-99	RES

#### NYMPHALIDAE

Libytheana bachmanii larvata	Cochise: Sierra Vista, 4600'	06-Aug-99 - 08-Aug-99	RLL
Agraulis vanillae incarnata	YUMA: 2 mi E of Yuma	18-Apr-99	RES
Polygonia interrogationis larvae on Celtis reticulata	Pima: Santa Rita Mountains, Florida Canyon	28-Aug-99	JPB
Polygonia satyrus	PINAL: Devil's Canyon cpgd, 4400'; 6 mi E of Superior	19-Apr-99	RES
Euphydryas chalcedona klotsi	NAVAJO: Laguna Creek, 6750'; nr Marsh Pass Trading Post	14-Apr-99	RES
Asterocampa leilia male and female in sesiid trap with Greater Peach Tree Borer pheromone and antifreeze	Pima: I-10 @ Vail Rd	04-Aug-99 - 08-Aug-99	V/L
Asterocampa idyja argus several males photographed while hilltopping on three days by three sets of observers; only one prior AZ specimen!!!	Cochise: Coronado National Monument; Huachuca Mtns	25-Sep-99 - 03-Oct-99	TLP

## Moths

### SESIIDAE

Melittia snowii female resting on leaf of Cucurbita foetidissima	Cochise: St. David, 4500'	05-Aug-99	RLL
Melittia snowii adults associated with Cucurbita foetidissima	Cochise: Hwy 92; 4-6 mi E of Palominas	06-Aug-99	V/L
Melittia grandis associated with Cucurbita foetidissima	Cochise: Hwy 90; 5 mi E of Sierra Vista	05-Aug-99	JBV
Palmia praecedens male to various pheromones in an open vehicle	Cochise: Sierra Vista, 4600'	08-Aug-99	V/L
Carmenta mimuli males to Greater Peach Tree Borer pheromone and anti-freeze	PIMA: I-10 @ Vail Rd	04-Aug-99 - 08-Aug-99	V/L
Carmenta mimuli males to trap with L-103/99:1 pheromones and anti-freeze	Cochise: Hwy 90; 2 mi S of Benson	04-Aug-99 - 08-Aug-99	JBV
Carmenta mimuli males very numerous to L-103 pheromone on nets	Cochise: Hwy 92; 4-6 mi E of Palominas	06-Aug-99	V/L

### PYRALIDAE

Cymbopteryx fuscimarginalis	Pima: base of Mt. Lemmon	02-Aug-99	BAB
Palpita quadristigmalis reared from Fraxinus pennsylvanica by Brent Salazar	Cochise: Sierra Vista	05-Aug-99	RHL
Loxocrambus mohaviellus STATE RECORD	LA PAZ: 3 mi E of Parker	25-Jul-99	BAB
Chararica bicolorella rare but also reported from California	YAVAPAI: nr Camp Verde, 3200'	27-Jul-99	BAB

### GEOMETRIDAE

Pterosoda kunzei	Cochise: Huachuca Mountains, Carr Canyon, 5000'	07-Aug-99	KMR
Melemaea virgata	Cochise: Huachuca Mountains, Carr Canyon, 5000'	07-Aug-99	KMR
Somatolophia vatia	Coconino: Parks, 6800'	03-Aug-99	RHL
Idaea basinta	Cochise: Sierra Vista, 4600'	06-Aug-99	RLL

### SATURNIIDAE

Sphingicampa hubbardi common at lights north of downtown	Cochise: Benson, 3576'	04-Aug-99 - 05-Aug-99	RLL
Sphingicampa montana 5th instar larvae on Mimosa dysocarpa (first recorded U.S. food plant record)	Santa Cruz: Oro Blanco Canyon; 4 mi W of Ruby	22-Sep-99	MSS
Hemileuca tricolor adults extremely common at light	Pima: 1 mi N of Colossal Cave	02-Feb-99	M/B
Hemileuca hualapai adults at light	Pima: Hwy 83 just north of the Santa Cruz County line	15-May-99	M/B
Automeris patagoniensis several males at light	Santa Cruz: Harshaw Townsite, Patagonia Mountains	24-Jul-99	M/B
Automeris iris hesselorum 3rd-5th instar larvae on Mimosa dysocarpa (first recorded U.S. food plant record); also collected by John Stireman	Santa Cruz: Temporal Gulch, Santa Rita Mountains	18-Sep-99	BXW
Agapema homogena 3rd instar larvae on Ceanothus fendleri (new host plant record)	Pima: Mt. Lemmon, Santa Catalina Mountains	15-Aug-99	RN
Rothschildia cincta total of at least 20 specimens taken at light and R. lebeau forbesi females by several collectors	Santa Cruz: Pena Blanca Canyon	17-Jul-99 - 03-Aug-99	JPT
Rothschildia cincta several cocoons clearly associated with hopbush (Dodonaea viscosa: Sapindaceae); collected by JPB & JPT	Santa Cruz: California Gulch	02-Nov-99	JPB

### SPHINGIDAE

Manduca quinquemaculata 5th instar larvae on Kallstroemia parviflora (Zygophyllaceae) by Justin Schmidt; new plant family as host	Cochise: 4 miles S of Willcox	21-Aug-99	JPT
Manduca occulta	Cochise: Guadalupe Canyon	18-Jul-99	M/B
Manduca occulta	Santa Cruz: Pena Blanca Canyon	22-Jul-99 - 23-Jul-99	BXW
Sagenosoma elsa adults common at light; observations made by several collectors	Cochise: Kansas Settlement	26-Jul-99 - 07-Aug-99	JPT
Sagenosoma elsa	Coconino: Seligman, 5200'	03-Aug-99	RHL
Sphinx smithi reported by several collectors	Santa Cruz: Pena Blanca area	31-Jul-99 - 16-Aug-99	S/T
Sphinx libocedrus 3rd-4th instar larvae on Forestiera shrevei	Santa Cruz: Pena Blanca area	21-Aug-99	BXW
Erinnyis crameri	Santa Cruz: Ruby Rd, W of Pena Blanca	01-Aug-99	S/T
Aellopos clavipes reported throughout southeastern Arizona by a number of collectors	Pima: Tucson	09-Aug-99	JPB



Hemaris diffinis adults common; ova and 1st instar larvae on Lonicera sp.	Cochise: Garden Canyon, Huachuca Mountains	11-Apr-99	JPT
<b>ARCTIIDAE</b>			
Eudesmia arida	Cochise: Benson, 3576'	04-Aug-99 - 05-Aug-99	RLL
Halysidota davisi	Cochise: Sierra Vista, 4600'	06-Aug-99	RLL
Pygarctia murina	Cochise: Benson, 3576'	04-Aug-99 - 05-Aug-99	RLL
<b>LYMANTRIIDAE</b>			
Orgyia leuschneri	Yavapai: nr Camp Verde, 3200'	27-Jul-99	BAB
<b>NOCTUIDAE</b>			
Litocala sexsignata	NAVAJO: Laguna Creek, 6750'; nr Marsh Pass Trading Post	14-Apr-99	RES
Litocala sexsignata	GILA: gulch along Hwy 60 at mm 308.1, 5800'	15-Apr-99	RES
Litocala sexsignata	PINAL: Devil's Canyon cpgd, 4400'; 6 mi E of Superior	19-Apr-99	RES
Bulia deducta	Mohave: Kingman, 3334'	08-Aug-99	RLL
Toxonprucha clientis	Cochise: Benson, 3576'	05-Aug-99	RLL
Meganola varia reared from Juglans major by Brent Salazar	Cochise: Hereford	05-Aug-99	RHL
Euscirrhopterus gloveri adults very common at lights north of downtown	Cochise: Benson, 3576'	04-Aug-99 - 05-Aug-99	RLL
Oslaria viridifera	Cochise: Benson, 3576'	05-Aug-99	RLL
Protorthodes alfeni	Cochise: Sierra Vista, 4600'	06-Aug-99	RLL
Schinia luxa	Cochise: Hwy 82 @ San Pedro River; 9 mi W of Tombstone	05-Aug-99	RLL

## CALIFORNIA

The La Nina year had much less precipitation than the previous El Nino season. Rainfall slightly above normal to the north, but quite dry in Southern California. Considerable cloudiness, late rains, snows and continuing cold in the Sierra Nevada resulted in reduced numbers of butterflies - especially the "common" species. Several late records included, but many species never fully recovered by year's end. Painted Ladies were extremely scarce, and fewer Monarchs were observed than at any time in the past decade. Included are 20 COUNTY records for butterfly species. For the moths, there are 2 STATE records and 12 COUNTY records.

### Butterflies

#### HESPERIIDAE

Epargyreus clarus californicus	Nevada: Washington, 2650'	05-Jun-99	EDB
Epargyreus clarus californicus	San Bernardino: below Angelus Oaks, 4500'	02-Jul-99	RHL
Erynnis pacuvius lilius	AMADOR: Panther Creek Rd, 5500'	23-Jun-99	RVK
Pyrgus scriptura confirms 1956 record by J.J. Renk for Stanislaus Co.	Stanislaus: Del Puerto Canyon nr jct with I-5	08-Sep-99	RVK
Pholisora catullus	TUOLUMNE: below Tulloch Reservoir, 550'	15-Jun-98	RES
Hesperia lindseyi second county capture; first from Aliso Canyon in 1983 by KD	Santa Barbara: Cottonwood Canyon	18-May-99	KD
Polites sabuleti leg. W. D. Patterson; confirms B.P. Bliven record from 1931	Humboldt: Big Lagoon cpgd S of Orick	20-Jun-99	RES
Polites themistocles	Siskiyou: Hwy 89 @ Bear Creek; nr Ponderosa	22-Jun-99	JBV
Ochlodes sylvanoides	STANISLAUS: Del Puerto Canyon	08-Oct-95	RES
Ochlodes agricola nemorum	TEHAMA: Deer Creek Canyon off Ponderosa Way, 2800-3000'	09-Jun-90	SOM

#### PAPILIONIDAE

Papilio indra	Nevada: Castle Peak, 8500-9000'	05-Jul-99 - 27-Aug-99	EDB
Papilio cressphontes	San Diego: Escondido - Wild Animal Park	18-Oct-99	RLL
Papilio multicaudatus	INYO: Willow Creek Rd, 6800'; 15 mi SW of Lida, NV	09-Aug-99	RES

#### PIERIDAE

Pieris napi microstriata south, high elevation, and late in the season	Madera: creekbed at 8000' E of Fresno Dome	05-Jul-99	KD
Euchloe ausonides transmontana	Mono: Bald Mountain Lookout, 8700-9100'	27-Jun-99	KD
Anthocharis stella	EL DORADO: nr Echo Summit, 7300'	31-May-99 - 12-Jun-99	EDB
Anthocharis stella	MADERA: creekbed at 8000' E of Fresno Dome	05-Jul-99	KD
Anthocharis stella	NEVADA: Castle Peak trail, 7500-8000'	05-Jul-99 - 10-Jul-99	EDB
Zerene eurydice very late in the season; previous late record was 21-Oct-83, Mariposa Co., by Oakley Shields	San Benito: 1 mi SW of San Juan Baustista	04-Nov-99	JO2
Nathalis iole	ALPINE: Monitor Pass, 8315'	10-Aug-99	RES

#### LYCAENIDAE

Lycaena gorgon micropunctata this new ssp also at Pine Creek Canyon, Inyo Co, 4300' on 31-May-99 by KD	Kern: 1 mi S of Lamont Peak	06-Jun-99 - 13-Jun-99	KD
Lycaena rubida far WEST on west slope of the Sierra Nevada for a "Great Basin Species"	Tuolumne: Eagle Creek, 6 mi S of Hwy 108	24-Jul-99	V/L
Habrodais grunus high altitude for a species normally found much lower	Nevada: Castle Peak trail, 7500-9000'	15-Jul-99	EDB

Satyrium californicum larvae on Cercocarpus betuloides	Tulare: Road's End N of Kernville	04-May-99	JPB
Satyrium auretorum very late in season; previous record was 5-Aug-82 in Tulare Co. by KD	Tulare: Alder Creek, Sherman Road Pass, 7600'	06-Sep-99	KD
Callophrys lemberti southern range extension	TULARE: Bald Mountain Lookout, 9200-9300'	12-Jun-99 - 20-Jun-99	KD
Callophrys siva mansfieldi C. siva juniperaria occurs at the south end of Mt. Pinos region and C. siva mansfieldi occurs at the north end	VENTURA: Apache Canyon, 1 mi E of Hwy 33	04-May-99 - 18-May-99	KD
Strymon melinus pudica now known from every county in California, Arizona, Nevada, New Mexico, and Kansas!	LASSEN: Sage Mountains; NW base of Turtle Mtn, 4400'	30-Apr-96	SOM
Leptotes marina a female figured in Crabtree, 1998	PLUMAS: Willow Lake, Lassen Park, 5600'	27-Aug-93	LEC
Glaucopsyche piasus	Amador: Panther Creek Rd, 5500'	23-Jun-99	RVK
Glaucopsyche piasus nevada	Mono: S of Sonora Pass, 9650'	23-Jun-99	RLL
Plebejus lupini this Coast Range population is not P. lupini monticola; also found E of Santa Margarita on same dates	San Luis Obispo: Syncline Hill	22-May-99 - 29-May-99	KD
Plebejus lupini alpicola on Eriogonum ovalifolium	Madera: Fresno Dome and vic to as low as 7000'	05-Jul-99	KD
<b>RIODINIDAE</b>			
Apodemia mormo davenporti late in season; May stated in original description	Tulare: nr Lamont Peak	13-Jun-99	KD
<b>NYMPHALIDAE</b>			
Polygonia satyrus leg. W.D. Patterson; high elevation	ALPINE: 1 mi E of Monitor Pass, 8200'	16-Jul-98	RES
Speyeria coronis hennei late record; abundant on rabbitbrush E of Frazier Park on 28-Aug-99	Kern: Lake O' Woods	11-Sep-99	KD
Speyeria atlantis irene	Placer: Soda Springs, 6700'	23-Jul-99	EDB
Boloria epithore chermocki southern range extension; new county record at subspecies level	PLACER: Soda Springs, 6700'	02-Jul-99	EDB
Boloria epithore chermocki high elevation; new county record at subspecies level	NEVADA: Castle Peak trail, 7500-9000'	05-Jul-99 - 10-Jul-99	EDB
Chlosyne hoffmanni segregata	Siskiyou: Hwy 89 @ Bear Creek; nr Pondosa	22-Jun-99	JBV
Euphydryas chalcedona	MERCED: Cathedral Peak, 2970'	12-Jun-98	RES
Euphydryas editha rubicunda	Placer: Weimar, 2300'	30-May-99	EDB
Limenitis archippus obsoleta far north stray; positive identification	MONTEREY: Salinas @ 609 Middlefield Rd	13-Jul-99	JO2
Cercyonis pegala boopis	SAN BENITO: 3 mi W of San Juan Baustista, 1000'	07-Jul-99	JO2
Cercyonis pegala boopis leg. W.D. Patterson	GLENN: Seven Troughs Spring; 1 mi SE of Mendocino Pass	08-Jul-99	RES
Cercyonis sthenele paulus found in sesiid trap baited with L-103/99:1 pheromones and anti-freeze	Shasta: Dutch Flat Rd, 1 mi N of Hat Creek	25-Jun-99 - 13-Jul-99	JBV
<b>Moths</b>			
<b>SESIIDAE</b>			
Sesia tibialis	PLACER: Emigrant Gap, 5200'	20-Jul-99 - 10-Aug-99	JBV
Synanthedon albicornis	SHASTA: 7.7 mi SE of Shingleton	25-Jun-99 - 13-Jul-99	JBV
Synanthedon bibionipennis	TEHAMA: Bond Rd @ Sacramento River	25-Jun-99 - 12-Jul-99	JBV
Synanthedon chrysidipennis	PLACER: Donner Pass Rd 3 mi E of Soda Springs	20-Jul-99 - 10-Aug-99	V/L
Synanthedon resplendens	Marin: Southwestern Novato	29-May-99 - 16-Aug-99	JBV
Synanthedon exitiosa	SISKIYOU: Hwy 89 @ Bear Creek; nr Pondosa	25-Jun-99 - 13-Jul-99	JBV
Synanthedon novaroensis	SHASTA: 7 mi S of Old Station	25-Jun-99 - 13-Jul-99	JBV
Synanthedon sequoiae	SISKIYOU: Hwy 89 @ Bear Creek; nr Pondosa	25-Jun-99 - 13-Jul-99	JBV
Penstemonia clarkei male to lures on net	MONO: S of Sonora Pass, 9600'	23-Jul-99	V/L
Penstemonia clarkei many males to lures on net	TUOLUMNE: Mill Creek N of Hwy 108	24-Jul-99	RLL
<b>PYRALIDAE</b>			
Pyla nigricula	Mono: NE of Sonora Pass, 9700'	23-Jul-99	RLL
<b>GEOMETRIDAE</b>			
Operophtera danbyi	Contra Costa: Kensington	02-Jan-99 - 30-Dec-99	RLL
<b>SATURNIIDAE</b>			
Hemileuca eglanterina one H. e. shastensis in the same population	Nevada: Castle Peak trail, 7500-9000'	10-Jul-99	EDB
<b>SPHINGIDAE</b>			
Smerinthus cerisyi	Placer: Granite Bay W of Folsom Lake, 500'	10-Jul-99	EDB
Proserpinus clarkiae	El Dorado: South Lake Tahoe, 6260'	19-Jun-99	EDB
Proserpinus clarkiae	Placer: Goose Lake Meadow	19-Jun-99	EDB

Proserpinus flavofasciata	HUMBOLDT: Big Hill Rd nr Hoopa	01-Aug-99	PH
STATE RECORD; 3rd-4th instar larvae on Epilobium angustifolium; identified from 5th instar larval photos (JPT)			
<b>NOCTUIDAE</b>			
Catocala ilia	Placer: Granite Bay W of Folsom Lake, 500'	10-Jul-99	EDB
Agrapha oxygramma	SANTA BARBARA: Santa Barbara	04-Jul-99	RHL
STATE RECORD; leg. Paul and Sandy Russell			
Agrapha oxygramma	LOS ANGELES: Manhattan Beach	30-Oct-99	RHL
second capture in the state			

## NEVADA

Precipitation less than in the previous season, with a cold, late spring. Butterflies were down in numbers, but the moths seemed adequate on the two surveys by V/L. Included are 4 COUNTY records for butterflies, and 9 COUNTY records for moths.

### Butterflies

#### HESPERIIDAE

Polites sabuleti sinemaculata	Humboldt: 5 mi W of Denio jct Hwy 140	29-Aug-99	JBV
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#### PAPILIONIDAE

Papilio multicaudatus	Lander: 0.5 mi E of Austin	22-Jul-99	RLL
Papilio multicaudatus	ESMERALDA: Willow Creek Rd, 15 mi SW of Lida, 6800'	09-Aug-99	RES

#### PIERIDAE

Neophasia menapia meganapia associated with pinyon pine	Lander: Bob Scott Summit, 7267'	09-Aug-99	V/L
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#### LYCAENIDAE

Lycaena rubida sirius	Elko: 3 mi NE of Wildhorse Reservoir	21-Jul-99	V/L
Hemiargus isola alce	STOREY: S of Clark Siding	10-Aug-99	RES
Glauopsyche piasus nevada	Elko: 3 mi NE of Wildhorse Reservoir	21-Jul-99	RLL
Lycaeides melissa	Pershing: Humboldt River, 1 mi N of Mill City, 4200'	30-Aug-99	JBV

#### NYMPHALIDAE

Speyeria coronis snyderi	Eureka: Pinto Summit, 7376'	09-Aug-99	RLL
Speyeria zerene malcolmi leg. W.D. Patterson	LYON: Rickey Mine Canyon, SW of Risue Rd, 7800-8500'	17-Jul-98 - 18-Jul-98	RES
Limenitis weidemeyerii latifascia found in sesiid trap with L-103 pheromone and anti-freeze	Churchill: Hwy 722, 2 mi W of Carroll Summit	22-Jul-99 - 09-Aug-99	V/L
Coenonympha ampelos elko none found during visits in previous years	PERSHING: Humboldt River, 1 mi N of Mill City, 4200'	30-Aug-99	JBV
Cercyonis pegala paludum	Pershing: Humboldt River, 1 mi N of Mill City, 4200'	20-Jul-99	V/L

### Moths

#### SESIIDAE

Sesia tibialis	LANDER: 0.5 mi E of Austin	22-Jul-99 - 09-Aug-99	JBV
Sesia tibialis males numerous to lures on nets	LYON: Desert Creek, 5 mi S of Smith	23-Jul-99	V/L
Synanthedon bibionipennis	LANDER: 0.5 mi E of Austin	22-Jul-99 - 09-Aug-99	JBV
Synanthedon polygona	LANDER: Bob Scott Summit, 7267'	22-Jul-99 - 09-Aug-99	JBV
Synanthedon exitiosa	EUREKA: Pinto Summit, 7376'	22-Jul-99 - 09-Aug-99	JBV

#### PYRALIDAE

Cuneifrons coloradensis very rare, perhaps first record since holotype described in 1961	NYE: Crescent Dunes, 12 mi N of Tonopah, 4950'	28-Jun-99	PMJ
Euchromius ocellus	LINCOLN: Ash Springs	09-Aug-99	RLL
Dioryctria ponderosae	HUMBOLDT: I-80, Valmy rest area	21-Jul-99	RLL

#### ARCTIIDAE

Arctia caja utahensis western range extension	ELKO: Elko, 5960'	21-Jul-99	RLL
Grammia ornata leg. Jason G. Ritz	LANDER: Big Creek cpd, S of Austin	30-Jul-98	RCM

#### LYMANTRIIDAE

Leucoma salicis	Eureka: I-80 @ Beowawe rest area	21-Jul-99	RLL
Leucoma salicis	Humboldt: I-80, Valmy rest area	21-Jul-99	RLL
Leucoma salicis appeared common in west-central Nevada in 1999	Carson City: Carson City, 4660'	22-Jul-99 - 23-Jul-99	RLL

#### NOCTUIDAE

Prothrinax luteoedia	Eureka: I-80 @ Beowawe rest area	21-Jul-99	RLL
Prothrinax luteoedia	Humboldt: I-80, Valmy rest area	21-Jul-99	RLL

**Zone 4 Rocky Mountains****Alberta, Montana, Wyoming, Utah, Colorado,  
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 AMW : Anne M. Weaver  
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**General Comments:**

Records were received from 64 contributors/observers in all five states, but unfortunately again no data were received from Alberta. This number is second only to 106 (66 actually cited) in 1998, so dozens of people remain active in the field in the Rocky Mountains! Four contributors did so for the 21st consecutive year of my tenure, with their TOTAL years of participation following their names: James Scott 37, Ray Stanford 36, Cliff Ferris 32, Steve Kohler 27. Including records posted posthumously, both F. Martin Brown and Don Eff have numbers in the low to mid 30's. Kilian Roever was once again the only person to report from all five states, with several exciting and important new records. He has reported from this zone 21 times over the years, including prior to my service as coordinator. No one else has sent in data for more than 20 years, although several are close. Once again, thanks to everyone! Our numbers are not nearly as high as in 1998 because the summer weather was cold and very wet. Only residents, who enjoyed the warm Colorado spring and fall (entire zone) found excellent observing and collecting conditions. In all there are 166 butterfly data and 168 moth data, including 1 STATE record and 104 COUNTY records for butterflies, and 20 STATE records and 156 COUNTY records for moths; 108 butterfly species (71 with CRs) and 80 moth species (74 with CRs). The average number of butterfly species per county in Zone 4 is 108.1 (90.9% of projection), compared with 107.6 (90.8%) a year ago, and with 123.6 (96.3%) presently for Zone 3 (AZ, CA, NV). There were 12 EARLY records and 21 LATE records, mostly in Colorado. Two moth species, *Noctua pronuba* and *Schinia cupes*, are new from Colorado and the entire Zone (per Chuck Harp and Paul Opler). Because I just learned that a friend of many years, Bob Langston, has stepped down as Zone 3 Coordinator after 31 years in that capacity, I dedicate this year's Zone 4 Summary to all of the coordinators who have done such dedicated summaries since the first in 1947. Being very number oriented, I will list here just a few others who have served as a coordinator for 19 or more years, most of whom I know or knew, with their years of service: H. Avery Freeman 33, J. Donald Eff 31, Kenelm Philip (still serving) 31, Jon Shepard (still serving) 26, Ray Stanford (still serving) 21, Paul Grey 19, Bryant Mather 19. Sorry to any others that I missed!

**COLORADO**

There were 21 contributors, compared with 24 in 1998, who reported another good year for stray butterflies but poor once again for prairie skippers and fall nymphalids. Good spring and fall weather allowed for 12 EARLY records and 15 LATE records. Butterflies: 81 data, 36 COUNTY records, 63 species, 26 CR species. *Speyeria idalia* flew well again, with the discovery of a breeding colony in Elbert County. Roever found *Hesperia woodgatei* on the West Slope, which was predicted by MacNeill in his 1964 monograph, and complements Stanford's finding that species in Las Animas County, on the East Slope, in 1996. Avg. spp/co is 118.8 (92.8% of projection), still slightly behind Utah [Rats! To quote the recently retired Charlie Brown]. Moths: 92 data, 12 STATE records (2 new from Zone 4), 80 COUNTY records, 64 species (58 with CRs).

**Butterflies****HESPERIIDAE**

*Erynnis brizo burgessi*  
 EARLY date [previously 4 Apr].

Douglas: Hidden Point, 6450', Castle Pines area

20-Mar-99

ADW



<i>Erynnis telemachus</i> EARLY date [previously 5 Apr].	Douglas: Daniels Park, 6400'	23-Mar-99	ADW
<i>Erynnis afranius</i> EARLY date [previously 8 Apr].	Douglas: Daniels Park, 6400'	23-Mar-99	ADW
<i>Pyrgus communis</i> LATE date [previously 18 Nov]; , nectaring on few remaining flowers	Prowers: Lamar, 3600'	19-Nov-99 - 21-Nov-99	RES
<i>Pholisora mejicana</i> First documented record N of Monument Divide; 1 female collected.	JEFFERSON: Golden Gate Cn, 6300', 1.5 mi W of SR 93	05-Aug-99	KD
<i>Oarisma garita</i> 12 individuals in our meadow is a new HIGH record!	Gilpin: Stanford cabin, 8900', Dory Hill	04-Jul-99	KWZ
<i>Oarisma edwardsii</i> Leg. Colorado Cordova, det PAO. HIGH elevation record; rare on West slope.	MINERAL: Six Mile Flats, 8700', T41N,R1W,S15	24-Jul-98	PMP
<i>Hylephila phyleus</i> EARLY date [previously 29 Aug!]; possible overwintering adult.	SEDGWICK: Lodgepole Creek in Ovid, 3460'	01-Jun-99	RES
<i>Hylephila phyleus</i> First record from greater Denver region; WEST in Colorado; on rabbitbrush flowers	DOUGLAS: Near Parker	24-Sep-99	TWO
<i>Hesperia woodgatei</i> NORTH range ext; first W CO record [predicted by MacNeill in 1964].	ARCHULETA: 2 mi N of Piedra, 7400'	22-Sep-99	KR
<i>Hesperia ottoe</i>	Douglas: McMurdo Gulch, 6200', NE of Castle Rock	24-Jul-99	ADW
<i>Hesperia viridis</i> Large colony, soon to be inundated by a large new reservoir.	Douglas: Newlin Gulch, 6400'	28-Jun-99	ADW
<i>Polites peckius</i> Abundant; has not been common in Denver region for decades.	Douglas: Cherry Creek at Cottonwood RD, Parker, 5700'	18-Aug-99	ADW
<i>Atalopedes campestris</i> Fresh pair seen [very uncommon in Denver region for several years].	Jefferson: Lakewood, 5500'	06-Sep-99	JAS
<i>Atalopedes campestris</i> LATE date [previously 16 Nov].	Prowers: Lamar, 3600'	19-Nov-99 - 26-Nov-99	RES
<i>Euphyes vestris kiowah</i>	LINCOLN: Limon, 5365', along canal with sedges	10-Jul-99	RES
<i>Atrytonopsis hianna</i> Long-expected, associated with <i>Andropogon gerardi</i> ; female photographed.	BOULDER: Rabbit Mtn, 5700', 4 mi E of Lyons	26-May-99	GLM
<i>Megathymus coloradensis</i> Adult emerged on 8 April 1999; ex pupa in <i>Yucca glauca</i>	WASHINGTON: 1 mi W of Last Chance	18-Mar-99	CEH
<b>PAPILIONIDAE</b>			
<i>Battus philenor</i> Leg. Curt Lehman. WEST range extension.	GRAND: W side Shadow Mtn Dam, 8400', Arapaho NF	05-Jul-99	ROB
<i>Battus philenor</i> Several hundred yards E of Summit Co line [but vide infra].	CLEAR CREEK: Hilltopping on 12500' ridge, Loveland Basin	03-Aug-99	KD
<i>Battus philenor</i> Male netted, photographed, released.	SUMMIT: Blue River Cpgd, 8600', 8 mi N of Silverthorne	04-Aug-99	AMW
<i>Papilio bairdii</i> CR for f. <i>brucei</i> ; 2nd CR for species.	DOUGLAS: Dawson Butte, 7481'	18-Jun-99	ADW
<i>Papilio eurymedon</i> No <i>Ceanothus</i> found in area, so must be strays from mountains to the west.	Douglas: Dawson Butte, 7481'	18-Jun-99 - 02-Jul-99	TWO
<i>Papilio eurymedon</i> EAST range extension.	LAS ANIMAS: Lake Dorothy parking area, 7720'	27-Jun-99	RES
<b>PIERIDAE</b>			
<i>Neophasia menapia</i> LATE date [previously 20 Sep].	Larimer: Lily Lake, 8950', 7 mi S of Estes Park	06-Oct-99	ROB
<i>Pontia sisymbrii</i> EARLY date [previously 1 Apr].	Douglas: Daniels Park, 6400'	23-Mar-99	ADW
<i>Pieris napi mcdunnoughi</i> LATE date [previously 8 Sep].	Larimer: Rocky Mountain NP, 8900'	09-Sep-99	ROB
<i>Pieris rapae</i> Seen during 2632 consecutive baseball games, a WORLD record!	Denver: Coors Field	07-Aug-98	CRJ
<i>Euchloe olympia</i> EARLY date [previously 5 Apr]	Douglas: Hidden Point, 6450', Castle Pines area	20-Mar-99	ADW
<i>Anthocharis sara julia</i>	Boulder: 6 mi NW of Lyons, 6500'	07-Apr-99	GLM
<i>Colias meadii</i> Leg. Brent Salazar. Low elevational record, and second earliest [22 Jun].	Larimer: Beaver Meadows, 7900', 7 mi SW of Estes Park	24-Jun-98	ROB
<i>Anteos clorinde</i>	DOUGLAS: Silver Heights, 6250', N of Castle Rock	25-Jul-99	ADW
<i>Phoebis sennae</i> With RES; single female seen closely, flying fast northward.	ELBERT: N side of Cedar Point	10-Jul-99	CAS
<i>Phoebis sennae eubule</i>	HUERFANO: Mountain Meadow, T31S,R69W,S24, 10000'	09-Aug-99	SG1
<i>Eurema lisa</i> Rarely observed in Colorado.	BOULDER: Boulder	17-Sep-99	PT1
<i>Nathalis iole</i> 26 Nov record, NOT LATE, was by RES in Lamar, 3600'.	Douglas: Common everywhere in eastern Colorado	13-Jun-99 - 26-Nov-99	ADW

**LYCAENIDAE**

Satyrium behrii	Douglas: Wolfsenburger Rd, 2 mi W of Castle Rock	18-Jul-99	BBB
1st record E of mtns; oddly absent from Black Forest, Parker area, etc.			
Satyrium fuliginosum	Summit: Blue River Cpgd, 8600', 8 mi N of Silverthorne	02-Aug-99	KD
LATE date [previously 27 Jul].			
Satyrium acadicum	ELBERT: Big Sandy Wash at US 24	10-Jul-99	RES
Callophrys augustinus	Jefferson: Lookout Mtn, 7500'	25-Mar-99	RES
EARLY date [previously 26 Mar].			
Callophrys polios	Jefferson: Lookout Mtn, 7500'	25-Mar-99	RES
EARLY date [previously 27 Mar].			
Callophrys eryphon	Douglas: Daniels Park, 6400'	23-Mar-99	ADW
EARLY date [previously 30 Mar].			
Strymon melinus	Grand: SE end, Shadow Mtn Dam, 8400', Arapaho NF	28-Aug-98	ROB
Leg. Stephanie Mason. Second known county record; rare on CO west slope.			
Strymon melinus	Douglas: Hidden Point, 6450', Castle Pines area	20-Mar-99	ADW
EARLY date [previously 24 Mar].			
Strymon melinus	Prowers: Lamar, 3600'	17-Nov-99	RES
LATE date [previously 1 Nov].			
Brephidium exile	Prowers: Lamar, 3600'	21-Nov-99	RES
LATE date [previously 20 Oct !].			
Hemiargus isola	Douglas: Hidden Point, 6450', Castle Pines area	17-Nov-99	SJW
LATE date [previously 16 Nov].			
Everes comyntas	GRAND: SE end, Shadow Mtn Dam, 8400', Arapaho NF	24-Aug-99	ROB
WEST range extension within CO; first West Slope record.			
Celastrina neglecta	BOULDER: Boulder, 5500'	25-Aug-99	JDE
Specimen in CU Museum, det. RES 1993.			
Celastrina neglecta	JEFFERSON: Chimney Gulch, 6400'	10-Aug-90	ADW
Celastrina neglecta	EL PASO: Rock Creek, 6500'	21-Aug-90	ADW
Celastrina neglecta	ARAPAHOE: Greenwood Village, 5700'	29-Jul-93	ADW
Celastrina neglecta	DOUGLAS: Hunt Mtn, 7272'	16-Aug-99	ADW
Plebejus icarioides lycea	Douglas: W Plum Creek at Red Rock Rd	16-Sep-99	TWO
LATE date [previously 9 Sep]; 1 FRESH male!			
Plebejus acmon texana	Bent: Below John Martin Dam, 3850'	17-Nov-99	RES
LATE date [previously 11 Nov]; on rabbitbrush.			

**NYMPHALIDAE**

Libytheana bachmanii larvata	Jefferson: Mt. Zion, 7300'	23-Jul-99	JAC
Unusual in the mtns; elevational record is 9300' in Colorado.			
Agraulis vanillae	DOUGLAS: Cherry Creek at Cottonwood Rd, Parker, 5700'	23-Jul-99	ADW
1 female collected.			
Heliconius charitonius	YUMA: Bonny SWA, 3600', 4 mi E of Hale townsite	11-Jul-99	RES
Close sighting with CAS; first RES record from western USA.			
Polygonia interrogationis	Douglas: Cherry Creek at Cottonwood Rd, Parker, 5700'	20-Jul-99 - 28-Jul-99	ADW
Rag male to fresh male in 8 days!			
Polygonia progne nigrozephyrus	CLEAR CREEK: Loveland Valley, 10900'	02-Aug-99	KD
Sympatric with P. gracilis zephyrus on composite flowers.			
Nymphalis californica	Las Animas: West Peak Trail, T31S,R68W,S9, 11100'	13-Aug-99	SG1
latest date in 45 years !			
Junonia coenia	EAGLE: Eagle River near Eagle, 6800'	08-Aug-99	KD
Junonia coenia	Jefferson: Indian Gulch, 5900', 1 mile W of Golden on US 6	16-Nov-99 - 21-Nov-99	KAS
LATE date [previously 14 Oct !].			
Speyeria aphrodite ethne	KIT CARSON: Flagler SWA, 4835', 5 mi E of Flagler	10-Jul-99	RES
Flying with S. idalia in prairie seep; EAST range extension within Colorado.			
Speyeria egleis secreta	CLEAR CREEK: Loveland Valley, 10900'	02-Aug-99	KD
SOUTH range extension. Very rare east of the continental divide in Colorado.			
Speyeria atlantis sorocko	DOUGLAS: Jarre Canyon, 7200'	10-Aug-76	JDE
From Don's notes, "A first", so perhaps the first Douglas County specimen.			
Speyeria atlantis sorocko	LARIMER: Cow Creek Meadows, 8050', N of Estes Park	13-Jul-98	ROB
Known for decades in Boulder and Larimer counties, but not listed by Scott.			
Speyeria atlantis sorocko	OURAY: Willow Swamp, E Fork Dallas Creek, 9000'	05-Aug-98	PMP
With Tae Nosaka.			
Boloria selene	Gilpin: Just W of Golden Gate Canyon SP, 8700'	04-Jul-99	BKB
On 25th consecutive annual Gilpin County Fourth-of-July Butterfly Count.			
Phyciodes pratensis camillus	Denver: Denver Botanical Gardens, 5330'	31-Oct-99	RES
LATE date [previously 30 Oct].			
Poladryas minuta	BACA: Carrizo Creek, 22 mi SSW of Pritchett	31-May-99	KR
EARLY for CO by a few days. 2nd COUNTY in the State. Would be new for OK PH.			
Euphydryas editha gunninsonensis	Eagle: Buck Creek, N of Avon	13-Jun-99	MSF
NORTH for subspecies.			

Limnitis weidemeyerii EAST range extension.	KIT CARSON: Flagler SWA, 4835', 5 mi E of Flagler	10-Jul-99	RES
Anaea andria With TWO and RES. Earliest record in decades; several others seen.	Douglas: SR 86, 4 mi E of Castle Rock	26-Mar-99	ADW
Anaea andria LATE date for northern half of Colorado; first collected specimen in Jeff Co.	Jefferson: Indian Gulch, 5900', 1 mile W of Golden on US 6	06-Nov-99	RES
Anaea andria LATE date [previously 22 Oct !].	Bent: Below John Martin Dam, 3850'.	17-Nov-99	RES
Oeneis chryxus Dozens seen; unusual in odd-numbered year in Colorado.	Lake: W of Mosquito Pass, 11000'	19-Jul-99	AG
Oeneis chryxus 1 individual; very unusual in odd-numbered year; O. uhleri sympatric/synchronic.	Mineral: Cebolla Creek	27-Jul-99	MSF
Oeneis uhleri 8 seen; new high number of individuals in Gilpin County in one day.	Gilpin: North Clear Creek, 7500'	04-Jul-99	CPS
Oeneis melissa lucilla Observer: Colorado Cordova. Det. PAO.	MINERAL: Bennett Creek, 11200', T42N,R2W,S29,SE4	11-Jul-98	PMP
Danaus gilippus LATE date [previously 30 Sep]; on rabbitbrush flowers.	Douglas: 2 mi W of Parker	10-Oct-99	TWO
<b>Moths</b>			
<b>OECOPHORIDAE</b>			
Inga concolorella STATE record. Det. R. W. Hodges 1995.	WELD: CR 386, 0.5 mi S of US 34	26-Jul-95	LDG
<b>COSSIDAE</b>			
Prionoxystus robiniae	DOUGLAS: Hidden Point, 6450', Castle Pines area	28-Jun-98	ADW
<b>TORTRICIDAE</b>			
Eucosma dorsisignatana Diurnal.	BOULDER: 6 mi NW of Lyons, 6500'	18-Sep-99	GLM
Suleima baracana STATE record.	WELD: CR 91, 0.5 mi N of CR 76	26-Jul-95	DJW
Epinotia castaneana STATE record.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	LDG
Cydia prosperana	LARIMER: Viestenz Smith Mountain Park	27-Jul-95	DJW
Trachysmia grandis	DOUGLAS: Hidden Point, 6450', Castle Pines area	04-Jul-98	ADW
<b>LIMACODIDAE</b>			
Tortricidia testacea Det. M. Epstein	DOUGLAS: Hidden Point, 6450', Castle Pines area	01-Jul-98	ADW
<b>PYRALIDAE</b>			
Frechinia criddlealis	DOUGLAS: McMurdo Gulch, 6200', NE of Castle Rock	27-Jul-99	ADW
Mimoschinia rufofascialis Det PAO.	DOUGLAS: Cherry Creek at Cottonwood Rd, Parker, 5700'	18-Aug-99	ADW
Perispasta caeculalis	DOUGLAS: McMurdo Gulch, 6200', NE of Castle Rock	27-Jul-99	ADW
Anania funebris Diurnal.	BOULDER: Button Rock Preserve	01-Jun-99	GLM
Pyrausta signatalis In house.	Boulder: 6 mi NW of Lyons, 6500'	27-Jun-99	GLM
Prionapteryx achatina STATE record.	WELD: CR 386, 0.5 mi S of US 34	26-Jul-95	LDG
Coenochroa illibella STATE record.	WELD: CR 91, 0.5 mi N of CR 76	26-Jul-95	DJW
Coenochroa illibella	MORGAN: CR 1, 3.5 mi W of CR 19	28-Jul-95	LDG
<b>GEOMETRIDAE</b>			
Semiothisa pallidata STATE record.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	LDG
Hesperumia sulphuraria Diurnal.	Boulder: Rabbit Mtn open space, 5700', 4 mi E of Lyons	28-Jun-99	GLM
Euchlaena johnsonaria STATE record.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	DJW
Eriplatymetra grotaria STATE record.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	LDG
<b>MIMALLONIDAE</b>			
Cicinnus melsheimeri	DOUGLAS: Hidden Point, 6450', Castle Pines area	03-Jun-98	ADW
<b>SATURNIIDAE</b>			
Hemileuca groti diana	Douglas: Hunt Mtn, 7272'	10-Oct-99	TWO
<b>SPHINGIDAE</b>			
Ceratomia amyntor Leg. Stephanie Smith.	DOUGLAS: Castle Rock, at stadium lights	14-Jun-99	ADW

Hyles gallii Adult emerged on 17 Aug 96.	BOULDER: 6 mi NW of Lyons, 6500'	21-Jul-96	GLM
<b>ARCTIIDAE</b>			
Crambidia cephalica First record from eastern Colorado.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	DJW
Lycomorpha grotei	DOUGLAS: Hunt Mtn, 7272'	28-Jul-99	ADW
Pygarctia spraguei NORTH range extension.	WELD: CR 91, 0.5 mi N of CR 76	26-Jul-95	LDG
<b>NOCTUIDAE</b>			
Scoliopteryx libatrix	DOUGLAS: Hidden Point, 6450', Castle Pines area	17-Aug-98	ADW
Asticta victoria	DOUGLAS: Hunt Mtn, 7272'	10-Aug-99	ADW
Phoberia atomaris	DOUGLAS: Hidden Point, 6450', Castle Pines area	16-Mar-99 - 04-May-99	ADW
Cissusa valens Det. PAO.	DOUGLAS: Hidden Point, 6450', Castle Pines area	17-Mar-99	ADW
Ascalapha odorata 1 individual, in same highway culvert as 1998! With ADW.	Jefferson: Indian Gulch, Clear Creek Canyon, 5900'	04-Jul-99	JAC
Catocala coccinata Det. PAO. 2nd STATE record [El Paso County, leg. FMB, fide J. Peacock.	DOUGLAS: Hunt Mtn, 7272'	01-Aug-99 - 10-Aug-99	ADW
Catocala ultronia Det. PAO.	Douglas: Hunt Mtn, 7272'	01-Aug-99 - 10-Aug-99	ADW
Selicanis cinereola Det. PAO.	DOUGLAS: Hidden Point, 6450', Castle Pines area	14-Oct-99	ADW
Hydraecia perobliqua Diurnal.	BOULDER: 6 mi NW of Lyons, 6500'	23-Aug-99	GLM
Stibadium dimidiata Det. PAO.	DOUGLAS: Hidden Point, 6450', Castle Pines area	23-Aug-98	ADW
Polenta tepperi Det. PAO.	DOUGLAS: Hidden Point, 6450', Castle Pines area	18-Aug-99	ADW
Euagrotis bairdii STATE record.	LARIMER: SR 14, 6100', 2 mi W of Mishawaka	25-Jul-95	DJW
Hemieuxoa rudens STATE record.	WELD: CR 386, 0.5 mi S of US 34	26-Jul-95	LDG
Noctua pronuba Det PAO. STATE, ZONE 4, WESTERN USA record [Eurasian species].	DOUGLAS: Hunt Mtn, 7272'	01-Aug-99	ADW
Rhynchagrotis cupida At lights.	BOULDER: 6 mi NW of Lyons, 6500'	18-Aug-99	GLM
Heliiothis virescens	BOULDER: 6 mi NW of Lyons, 6500'	31-Jul-99	GLM
Schinia bicuspidata	ADAMS: US 36, 5440'; 2 mi E of Bennett	21-Aug-99	CEH
Schinia bicuspidata	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia errans	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia mortua	PUEBLO: North Pueblo, I-25 at mp 102	08-Aug-99	CEH
Schinia mortua	ELBERT: Elizabeth, new grocery mall, 6341'	13-Aug-99	CEH
Schinia mortua	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia jaguarina	PUEBLO: North Pueblo, I-25 at mp 102	19-Jun-99	CEH
Schinia jaguarina	MORGAN: I-76 at Wiggins, 4326'	04-Jul-99	CEH
Schinia jaguarina	PHILLIPS: SR 61 at Haxtun, 4080'	07-Jul-99	CEH
Schinia jaguarina	LOGAN: I-76 at SR 55, 4105'	07-Jul-99	CEH
Schinia jaguarina	Arapahoe: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia jaguarina	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia cupes STATE and ZONE 4 record.	PUEBLO: North Pueblo, I-25 at mp 102	19-Jun-99	CEH
Schinia grandimedia	ELBERT: Elizabeth, new grocery mall, 6341'	13-Aug-99	CEH
Schinia grandimedia	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia grandimedia	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia sexplagiata	Arapahoe: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia sexplagiata	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia simplex	PUEBLO: North Pueblo, I-25 at mp 102	19-Jun-99	CEH
Schinia simplex On Ipomoea leptophylla.	WELD: I-76, 4698', 7 mi NE of Roggen, mp57	30-Jun-99	CEH
Schinia regia	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia regia	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia regia	Weld: S of I-76 at Stuckey's, 4505'	29-Aug-99	CEH
Schinia gaurae On Gaura mollis.	DOUGLAS: Founders Pkwy nr SR 86, 6615', NE of Castle Rock	21-Jul-99	CEH
Schinia gaurae On Gaura mollis.	JEFFERSON: Above Chatfield SRA, 5800', Waterton Road	25-Jul-99	CEH
Schinia gaurae On Gaura mollis.	Arapahoe: Quincy Ave NE of Aurora Rsvr, 5750'	25-Jul-99	CEH



Schinia gaurae On Gaura mollis.	LAS ANIMAS: I-25 rest stop N of Trinidad, 6387'	01-Aug-99	CEH
Schinia gaurae On Gaura mollis.	HUERFANO: I-25, 6073', 9 mi N of Walsenburg, nr mp 59	01-Aug-99	CEH
Schinia gaurae On Gaura mollis.	ADAMS: US36 @ Bennett-Kiowa Rd, 5344', 3 mi E of Bennett	17-Aug-99	CEH
Schinia gaurae On Gaura mollis.	BOULDER: Jct SR 93/SR 170, 5702', S of Boulder	18-Aug-99	CEH
Schinia meadi Among Psoralidium lanceolatum.	Weld: I-76, 6 mi E of Roggen, exit 57, 4950'	03-Jul-99	CEH
Schinia tertia	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia diffusa	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia walsinghami First record from eastern Colorado.	ELBERT: Elizabeth, new grocery mall, 6341'	28-Aug-99	CEH
Schinia coercita	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia cumatilis	PUEBLO: North Pueblo, I-25 at mp 102	08-Aug-99	CEH
Schinia cumatilis	Elbert: Elizabeth, new grocery mall, 6341'	11-Aug-99	CEH
Schinia cumatilis	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia reniformis	MORGAN: CR 1, 3.5 mi W of CR 19	28-Jul-95	DJW
Schinia obliqua	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia obliqua	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia obliqua	JEFFERSON: Above Chatfield SRA, 5800', Waterton Road	25-Aug-99	CEH
Schinia chrysellae	JEFFERSON: Littleton, Stony Creek open area	12-Aug-99	CEH
Schinia ciliata	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia citrinella On Croton texensis.	Weld: I-76, 6 mi E of Roggen, exit 57, 4950'	30-Jun-99	CEH
Schinia citrinella	ARAPAHOE: South of I-70 at Manila Road	21-Aug-99 - 27-Aug-99	CEH
Schinia citrinella	ADAMS: US 36, 5440' [or fight?], 2 mi E of Bennett	21-Aug-99	CEH
Schinia snowi	PUEBLO: North Pueblo, I-25 @ mm 102	19-Jun-99	CEH

## MONTANA

Twenty-four butterfly COUNTY records were received, which is consistent with the wet, cold season encountered elsewhere in Zone 4. Chuck Harp and his family moved to Colorado, which explains the dearth of moth data; a gain for Colorado but a great loss for Montana.

### Butterflies

#### HESPERIIDAE

Pyrgus scriptura	LEWIS&CLARK: West of I-15, mile 208, 17 mi N of Helena	26-May-99	SJK
Oarisma garita	WIBAUX: SR 7 at Ash Creek, S of Wibaux	15-Jun-99	SJK
Oarisma garita	PETROLEUM: North of Tiegen	22-Jun-99	SJK
Hesperia ottoe WEST range extension, entire known range.	ROSEBUD: 2 mi W of Forsyth	17-Jun-99	SJK
Hesperia pahaska	CARTER: Nr Camp Needmore, 6 mi SE of Ekalaka	15-Jun-99	SJK
Hesperia pahaska	CUSTER: 30 mi W of Plevna	16-Jun-99	SJK
Hesperia pahaska	ROSEBUD: 2 mi W of Forsyth	17-Jun-99	SJK
Polites rhesus WEST range extension, entire known range.	LEWIS&CLARK: West of I-15, mile 208, 17 mi N of Helena	26-May-99	SJK
Polites themistocles	CHOUTEAU: Highwood Mountains	24-Jun-99	SJK
Polites origenes rhena WEST range extension, entire known range.	CUSTER: US 12, 15 mi E of Miles City	18-Jul-99	KR
Anatrytone logan lagus	GARFIELD: Musselshell River breaks, N of Mosby	22-Jun-99	SJK
Amblyscirtes vialis	CUSTER: 24 mi W of Plevna	15-Jun-99	SJK

#### PAPILIONIDAE

Papilio canadensis Southeast range extension within Montana.	CARTER: Nr Camp Needmore, 6 mi SE of Ekalaka	16-Jun-99	SJK
Papilio canadensis	CHOUTEAU: Highwood Mountains	24-Jun-99	SJK
Papilio rutulus EAST range extension within Montana.	CARTER: Nr Camp Needmore, 6 mi SE of Ekalaka	16-Jun-99	SJK

#### PIERIDAE

Colias christina astraea	MADISON: Standard Creek Road, Gravelly Range	24-Jul-99	SJK
Colias pelidne skinneri	PARK: Round Lake trail, 8850-9350'	16-Aug-99	PT1
Nathalis iole First record from southeastern MT.	CUSTER: US 12, 15 mi E of Miles City	18-Jul-99	KR
Nathalis iole	PRAIRIE: Terry [rhymes with Prairie!]	26-Sep-99	KR
Nathalis iole NORTH range extension.	MCCONE: 2 mi S of Brockway	26-Sep-99	KR

#### LYCAENIDAE

Lycaena dione	PETROLEUM: North of Tiegen	22-Jun-99	SJK
Plebejus acmon lutzii	MINERAL: Below Stark Mountain Lookout	26-Jul-99	SJK

**NYMPHALIDAE**

<i>Limenitis weidemeyerii</i>	DEER LODGE: FR 683, 2 mi E of Silver Lake	24-Jul-99	SJK
<i>Limenitis lorquini burrisonii</i>	CHOUTEAU: Highwood Mountains	14-Jul-99	SJK
EAST range extension, entire known range.			

**NEW MEXICO**

Almost no comments this year; apparently a wet summer but a poor year for local lepidopterists. Only 31 total data, 1 moth STATE record (*Schinia cumatilis*, CEH) and 20 total COUNTY records for all Lepidoptera.

**Butterflies****HESPERIIDAE**

<i>Hesperopsis alpeus</i>	LINCOLN: Red Cloud Canyon, Gallinas Mtns	08-May-99	SJC
<i>Ancyloxypha arene</i>	Grant: Mangas Springs, 4850'	09-Oct-99	CDF
<i>Copaeodes aurantiacus</i>	MCKINLEY: I-40 Roadside Rest, 3 mi E of AZ state line	14-May-99	RES
<i>Lerodea eufala</i>	CIBOLA: 2 mi W of San Fidel	21-Oct-99	KR
NW range extension within NM.			

**PAPILIONIDAE**

<i>Papilio zelicaon</i>	BERNALILLO: Sandia Crest, Sandia Mtns.	11-Jul-99	SJC
County record for f. <i>nitra</i> , but not for entire species.			
<i>Papilio crespontes</i>	BERNALILLO: Sandia Mtns	01-Jul-99	KE
<i>Papilio eurymedon</i>	COLFAX: Soda Pocket Campground, Sugarite State Park	27-Jun-99	PSS
East range extension.			

**PIERIDAE**

<i>Euchloe olympia</i>	Colfax: 10 mi E of Cimarron	19-Apr-99	SJC
West range extension.			
<i>Eurema lisa</i>	GRANT: SR 90, 29 mi SW of Silver City	02-Sep-99	KR

**LYCAENIDAE**

<i>Lycaena heteronea</i>	Rio Arriba: 10 mi W of Chama	28-Jul-99	JR
New larval host, larvae on <i>Eriogonum racemosum</i> .			
<i>Callophrys apama</i>	Sandoval: Bandelier NM	17-Jul-99	SJC
New larval host, larvae on <i>Eriogonum alatum</i>			
<i>Brephidium exile</i>	COLFAX: 10 mi E of Cimarron	19-Jul-99	SJC
Need only Mora County in NM.			
<i>Everes comyntas</i>	CIBOLA: FR 178, 7900', 18.4 rd mi S of I-40 nr Thoreau	03-Jun-99	FJP

**NYMPHALIDAE**

<i>Polygonia interrogationis</i>	MORA: Wagon Mound [town]	01-Aug-99	SJC
<i>Polygonia zephyrus</i>	Otero: Sacramento Mtns	05-Jul-99	SJC
New larval host, on <i>Ribes pinetorum</i>			
<i>Speyeria cybele carpenterii</i>	Rio Arriba: 10 mi W of Chama	22-Aug-99	SJC
First modern record.			
<i>Speyeria aphrodite ethne</i>	RIO ARRIBA: 10 mi W of Chama	22-Aug-99	SJC
<i>Speyeria edwardsii</i>	Rio Arriba: 10 mi W of Chama	22-Aug-99	SJC
Very LATE [but not unexpected, even later], previous LR 3-Jul!			
<i>Speyeria atlantis nausicaa</i>	Grant: Cherry Crk Cn, 6800', Pinos Altos Mtns.	08-Oct-99	CDF
LATE record [previously 20 Sep 1913 by R. C. Williams].			
<i>Phyciodes phaon</i>	OTERO: Agua Chiquita Creek	06-Sep-99	SJC
<i>Phyciodes tharos distincta</i>	Grant: Mangas Springs, 4850'	09-Oct-99	CDF
<i>Phyciodes vesta</i>	COLFAX: SR 555, mp 5	31-Jul-99	SJC
North range extension.			
<i>Euphydryas chalcedona cloudcrofti</i>	Otero: Sacramento Mtns	05-Jul-99	SJC
New larval host, on <i>Valeriana edulis</i>			
<i>Limnitis archippus obsoleta</i>	Grant: Mangas Springs, 4850'	09-Oct-99	CDF

**Moths****NOCTUIDAE**

<i>Schinia gaurae</i>	COLFAX: Maxwell, 6042', I-25 at SR 505, mp 426.	01-Aug-99	CEH
Adults on <i>Gaura mollis</i> .			
<i>Schinia gaurae</i>	MORA: I-25 at mp 380.5, 6630', SW of Wagon Mound.	01-Aug-99	CEH
Adults and larvae on <i>Gaura mollis</i> .			
<i>Schinia gaurae</i>	SAN MIGUEL: I-25 roadsides, 20 mi NNE of Las Vegas	01-Aug-99	CEH
Adults and larvae on <i>Gaura mollis</i> .			
<i>Schinia gaurae</i>	CIBOLA: Mesita, 5699', Exit 118 from I-40.	01-Aug-99	CEH
Adults and larvae on <i>Gaura mollis</i> .			
<i>Schinia gaurae</i>	MCKINLEY: Gallup, 5801'	02-Aug-99	CEH
Ex larva on <i>Gaura mollis</i> .			
<i>Schinia gaurae</i>	LUNA: 6 mi E of Nutt, 4600', SR 26, mp 36.	07-Aug-99	CEH
Adults and larvae on <i>Gaura mollis</i> .			
<i>Schinia cumatilis</i>	MORA: I-25 at Union rest stop, 6437', at uv lights.	08-Aug-99	CEH
STATE record.			

## UTAH

Only a few butterfly records and 68 moth records, the latter mainly catching up previous years by Bob Mower. No comments on weather conditions. Butterfly avg. spp/co is 112.4 (93.3% of projection). There was 1 LATE record for a butterfly, *Papilio bairdii*, by Whaley.

### Butterflies

#### HESPERIIDAE

*Heliopetes ericetorum* IRON: Cedar City, 5800' 19-Jun-98 - 27-Jun-98 SDS  
Possible oviposition on mallow in back yard.

#### PAPILIONIDAE

*Papilio bairdii* RICH: Laketown Resvr, 1.8 mi SSE of Laketown, 6100' 05-Sep-98 SWS  
30 larvae reared; one black form emg. 8 Oct 98. NORTH range extension.  
*Papilio bairdii* Emery: San Rafael Swell, 7100' 13-Nov-99 WHW  
3rd and 5th instar larvae on *Artemisia dracunculus*. LATE date.

#### LYCAENIDAE

*Brephidium exile* IRON: Fiddler's Canyon Rd, Cedar City, 5900' 21-Aug-94 SDS

#### NYMPHALIDAE

*Junonia coenia* WAYNE: SR12 @ Fremont River, 6600', 2.6 mi S Torrey Jct 17-Aug-96 RES  
*Junonia coenia* SEVIER: I-70 rest stop ESE of Salina, road to campground 01-Aug-99 - 09-Aug-99 KD  
*Limenitis archippus* GARFIELD: 7 mi S of Antimony 19-Jun-99 KR

### Moths

#### MIMALLONIDAE

*Cicinnus melsheimeri* SAN JUAN: 0.2 mi N of Devils Canyon Campground 24-Jun-99 RCM

#### SPHINGIDAE

*Sphinx gordius* CARBON: Nine Mile Ranch, 12.9 mi E of Wellington 17-Jun-99 RCM

#### ARCTIIDAE

*Pyrrharctia isabella* CARBON: Nine Mile Ranch, 12.9 mi E of Wellington 17-Jun-99 RCM  
*Spilosoma vagans* SAN JUAN: Johnson Creek, 16 mi N of Blanding 25-Jun-99 RCM  
*Hyphantria cunea* CARBON: Nine Mile Ranch, 12.9 mi E of Wellington 17-Jun-99 RCM  
*Lophocampa ingens* WAYNE: SR 12 at Carcass Creek, Boulder Mtn. 21-Jul-92 RCM  
*Lophocampa ingens* SEVIER: SR 24 rest stop, N of Koosharem Reservoir 23-Jul-92 RCM  
*Lophocampa ingens* WASHINGTON: Zion NP 18-Jul-96 RHL  
Specimen in LACM. SW range extension. Would be NV STATE record.  
*Lophocampa argentata* SEVIER: Richfield 19-Jun-30 ADB  
*Lophocampa argentata* SUMMIT: Park City 20-Jun-31 ADB  
*Lophocampa argentata* FRAND: Moab 25-Aug-38 GFK  
USU collection.  
*Lophocampa argentata* DAGGETT: Summit Springs 17-Jul-65 RAG  
NE range extension; would be WY STATE record. USU collection [fide RCM].  
*Lophocampa argentata* SALT LAKE: East Bench, Great Salt Lake 06-Sep-72 CMC  
*Lophocampa argentata* SANPETE: Oakcreek, 2.5 mi N of Fairview 24-Jul-82 RCM  
*Lophocampa argentata* DUCHESNE: Roosevelt 12-Jul-83 ARM  
*Lophocampa argentata* EVERY: Bob Hill Knoll 27-May-84 RCM  
larvae collected, reared to adults  
*Lophocampa argentata* GARFIELD: Calf Creek Campground 02-Aug-84 CRN  
RCM collection.  
*Lophocampa argentata* IRON: Parowan Canyon, Vermillion Campground 29-Jun-90 RCM  
WEST range extension.  
*Lophocampa argentata* WAYNE: Carcass Creek, Boulder Mountain 21-Jul-92 RCM  
*Lophocampa argentata* KANE: Coral Pink Sand Dunes 28-Jul-92 RB  
SOUTH range extension.  
*Lophocampa argentata* JUAB: Eureka 19-Jul-20 TUS  
BYU collection.  
*Lophocampa argentata* UINTAH: Vernal 16-Jun-28 RCM  
UMH collection; collector not cited.  
*Lophocampa maculata* DAVIS: Bountiful 30-Jul-41 HFT  
USU collection.  
*Lophocampa maculata* WEBER: Ogden 25-Jun-63 GFK  
*Lophocampa maculata* WASHINGTON: Leeds Canyon 15-Jul-80 WJH  
USU collection.  
*Lophocampa maculata* BOX ELDER: Clear Creek 15-Jul-80 RCM  
NORTH range extension.  
*Lophocampa maculata* WASATCH: Midway 26-Jun-81 JLR  
JLR collection.  
*Lophocampa maculata* DAGGETT: Crouse Canyon 14-Aug-82 KCB  
NE range extension.

Lophocampa maculata ARM collection.	DUCHESNE: Uintah Canyon Campground	10-Sep-83	ARM
Lophocampa maculata JLR collection.	SUMMIT: Park City	30-Jun-84	JLR
Lophocampa maculata SE range extension.	SAN JUAN: Dalton Springs Campground	24-Jun-89	RCM
Lophocampa maculata	IRON: Parowan Canyon, Vermillion Campground	29-Jun-90	RCM
Lophocampa maculata BYU collection.	RICH: Birch Creek	12-Jul-96	AD
Lophocampa maculata EAST range extension.	UINTAH: Whiterocks Campground	26-Jun-97 - 28-Jun-97	RCM
Lophocampa maculata UMH collection. Probably first STATE record.	SALT LAKE: Salt Lake City	20-May-09	TUS
Lophocampa maculata	CACHE: Logan Canyon	11-Jul-26	ADB
Aemilia ambigua NE range extension; would be WY STATE record. USU collection [fide RCM].	DAGGETT: Manila	12-Jun-65	RAG
Aemilia ambigua USU collection.	WAYNE: Boulder Mountain	10-Jul-67	DWD
Aemilia ambigua	GARFIELD: Pleasant Creek	03-Aug-84	MFW
Aemilia ambigua SE range extension.	SAN JUAN: Devils Canyon Campground	30-Jul-92	RB
Aemilia ambigua	WASHINGTON: Pine Valley	18-Jul-96	RXR
Aemilia ambigua	UINTAH: Whiterocks Campground	26-Jun-97	RCM
Aemilia ambigua BYU collection. First known STATE record.	IRON: Parowan	29-Jul-19	TUS
Hemihyalea labecula	SALT LAKE: City Creek	26-Jul-33	ADB
Hemihyalea labecula	MILLARD: Oak Creek Canyon	16-Jul-37	LJ
Hemihyalea labecula USU collection. SOUTH range extension.	KANE: Kanab	28-Aug-62	GFK
Hemihyalea labecula LACM collection.	JUAB: 6 mi E of Nephi, 5800'	07-Aug-72	RHL
Hemihyalea labecula CDF collection.	SAN JUAN: Pack Creek	03-Aug-82	CDF
Hemihyalea labecula EAST range extension.	GRAND: 10 mi N of Ooway Lake turnoff, La Sal Loop Rd	20-Jul-92	RCM
Hemihyalea labecula	GARFIELD: 1.2 mi S of Calf Creek	22-Jul-92	RCM
Hemihyalea labecula BYU collection. First known STATE record.	IRON: Parowan Canyon	29-Jul-19	TUS
Cycnia oregonensis USU collection. First known STATE record.	WEBER: Hooper	12-Jul-37	DEH
Cycnia oregonensis BYU collection.	UTAH: Provo	19-Aug-69	WLP
Cycnia oregonensis	SALT LAKE: Salt Lake City	18-Jun-88	LDB
Ectypia clio UMH collection. Probably first STATE record.	SALT LAKE: Salt Lake City	29-Jun-37	LJ
Ectypia clio	WEBER: Ogden	04-Jul-53	GFK
Ectypia clio WEST range extension; would be NV STATE record.	WASHINGTON: Leeds Canyon	14-Jun-78	GFK
Ectypia clio	UTAH: Provo	12-Jun-82	MFW
Ectypia clio	GARFIELD: Calf Creek	04-Aug-83	DWD
Ectypia clio SOUTH range extension.	KANE: Last Chance Canyon, Lake Powell	04-Jun-85	RCM
Ectypia clio EAST range extension.	SAN JUAN: Sand Island	23-Aug-85	MFW
Pygarctia murina BYU collection. STATE record.	WASHINGTON: Lytle Ranch, Beaver Dam Wash	29-Jul-86	RCM
Pygarctia spraguei USU collection. STATE record.	KANE: Kanab	20-Jul-41	GFK
Pygarctia spraguei SW range extension. Would be NV STATE record.	WASHINGTON: Leeds Canyon	26-Jun-92	RCM
Bertholdia trigona SW range extension. Would be NV STATE record.	WASHINGTON: Leeds Canyon	03-Aug-93	NKM
Bertholdia trigona	DAGGETT: Flaming Gorge	30-Jul-97	JLR
Cisseps fulvicollis LACM collection.	UINTAH: Dinosaur NM	21-Jul-69	RHL
Cisseps fulvicollis Nectaring on dogbane flowers.	SANPETE: Sixmile Cn, FR47, 6400', 4.7 mi ENE of Sterling	19-Jul-96	RES



## WYOMING

Eight contributors, including resident Ferris and nearby Opler and Stanford, plus visitors from Oregon and New England, came up with only 31 total data and 26 COUNTY records for 22 species. However, one of these included the long anticipated STATE record for *Megathymus yuccae coloradensis* by Roever. The only moth record is a range extension for the well-known and beautiful sphingid, *Pachysphinx occidentalis*, by Mark Schmidt.

### Butterflies

#### HESPERIIDAE

<i>Erynnis afranius</i>	WASHAKIE: TNC Tensleep Preserve, 6500'	25-Jun-98	CDF
<i>Erynnis persius fredericki</i>	Platte: 5 miles NE of Glendo State Park	23-Jul-99	PAO
Genitalic det. ADW. Perhaps a second generation individual? NOT <i>E. baptisiae</i> .			
<i>Pyrgus ruralis</i>	Teton: US26/287, 4 mi W of Togwotee Pass, 9200'	10-Jul-99	SCB
LATE date.			
<i>Megathymus coloradensis</i>	PLATTE: Guernsey SP	21-Apr-99	KR
STATE record, NORTH.			

#### PAPILIONIDAE

<i>Papilio bairdii</i>	NATRONA: Garden Creek Hills, 5500'	16-Jul-99	RES
f. <i>brucei</i>			
<i>Papilio bairdii</i>	SHERIDAN: Hilltop, 7900', FR 168, 2 mi W of Freezeout Point	17-Jul-99	RES
f. <i>brucei</i>			
<i>Papilio indra</i>	UINTA: Hickey Mtn, 8500', W of Lonetree	20-Jun-96	WHW
In July 1996, he found <i>indra</i> larvae on <i>Cymopterus terrebinthinus</i> in same area.			
<i>Papilio indra</i>	CARBON: Pedro Mountain, E of Pathfinder Reservoir	10-Jul-99	WHW
Larvae on <i>Musineon tenuifolium</i> .			

#### PIERIDAE

<i>Neophasia menapia</i>	WASHAKIE: TNC Tensleep Preserve, 5800'	09-Aug-99	CDF
Major internal range extension within Wyoming.			
<i>Pontia sisymbrii</i>	Fremont: FR 516, 9800', 8 mi N of Pinnacle Buttes Inn	10-Jul-99	SCB
LATE date.			
<i>Euchloe hyantis lotta</i>	SHERIDAN: FR 15, 7500', E of Lake Creek	17-Jul-99	RES
<i>Anthocharis sara julia</i>	HOT SPRINGS: N Fk Owl Creek, 7600', 48 mi W of Thermopolis	19-Jul-99	RES
SR 174 to CR 20 to Shoshone NF to Trail 651.			
<i>Colias christina astraea</i>	FREMONT: Mt. Chauvenet/Bears Ears Ridge, 10700-12250'	01-Aug-99	PT1
SE range extension.			

#### LYCAENIDAE

<i>Lycaena nivalis browni</i>	WASHAKIE: TNC Tensleep Preserve, 6500'	24-Jun-98	CDF
<i>Satyrrium acadicum</i>	WASHAKIE: US 20, 5 mi SW of Worland, 4100'	16-Jul-99	RES
<i>Satyrrium acadicum</i>	BIG HORN: Big Horn River, 3800', 3 mi S of Greybull	16-Jul-99	RES
<i>Satyrrium sylvinum</i>	WASHAKIE: TNC Tensleep Preserve, 5000'	22-Jul-98	CDF
EAST range extension [Converse and Johnson Co records are dubious].			
<i>Callophrys eryphon</i>	WASHAKIE: TNC Tensleep Preserve, 6500'	25-May-99 - 22-Jul-98	CDF
LATE date.			
<i>Hemiargus isola</i>	HOT SPRINGS: Thermopolis, 4550'	16-Jul-99	RES
<i>Hemiargus isola</i>	SHERIDAN: Tongue River at Dayton, 3950'	18-Jul-99	RES

#### NYMPHALIDAE

<i>Polygonia satyrus</i>	WASHAKIE: TNC Tensleep Preserve, 6500'	08-Aug-99	CDF
<i>Polygonia faunus</i>	SHERIDAN: FR 15, 7500', E of Lake Creek	17-Jul-99	RES
<i>Speyeria zerene garretti</i>	SHERIDAN: Tongue River at Dayton, 3950'	18-Jul-99	RES
<i>Boloria eunomia</i>	SHERIDAN: FR15, 8400', 3 mi ENE jct US14A	18-Jul-99	WAN
With RES. See Ferris in Ferris/Brown, BRMS, 1981, p.295.			
<i>Boloria kriemhild</i>	Fremont: FR 516, 9800', 8 mi N of Pinnacle Buttes Inn	10-Jul-99	SCB
Abundant here and also W of Togwotee Pass [see <i>P. ruralis</i> above].			
<i>Phycodes tharos</i>	FREMONT: US 20 at Badwater Creek, 4775'	16-Jul-99	RES
<i>Chlosyne palla calydon</i>	HOT SPRINGS: N Fk Owl Creek, 7600', 48 mi W of Thermopolis	19-Jul-99	RES
SR 174 to CR 20 to Shoshone NF to Trail 651.			
<i>Euphydryas editha hutchinsi</i>	WASHAKIE: US 16, 7800', 3 mi SW of Meadowlark Lake	19-Jul-99	RES
<i>Neominois ridingsii</i>	Laramie: 30 mi N of Cheyenne	28-Jun-99 - 30-Aug-99	CDF
According to JAS and PAO, these 2 flights behave as distinct species/subspecies.			
<i>Oeneis chryxus</i>	HOT SPRINGS: N Fk Owl Creek, 7600', 48 mi W of Thermopolis	19-Jul-99	RES
SR 174 to CR 20 to Shoshone NF to Trail 651.			

**Moths****SPHINGIDAE**Pachysphinx occidentalis  
Det. PAO/RES. Second STATE record.

HOT SPRINGS: Thermopolis, 4550'

27-Jul-99

MDS

**Zone 5 Great Plains****Saskatchewan, Manitoba, North Dakota, South Dakota, Nebraska, Kansas****Coordinator:** Ronald Alan Royer**Contributors Cited:**NEB : Nick E. Backlund  
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DRL : Douglas R. Long  
JP2 : Janis Paseka  
S-S : Chuck Sekerman & Ray Stanford  
RES : Ray E. StanfordNED : Neil E. Dankert  
JG1 : Jean Gadd  
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MBZ : Myron B. ZimmerJLE : Jennifer L. Evans  
JBC : Bernie Gollop  
GAH : Guy A. Hanley  
AL : Anna Leighton  
LBP : Loren & Babs Padelford  
CLS : Craig & Lorriene Salisbury  
SMS : Steven M. Spomer**SASKATCHEWAN**

Mike Gollop reports that 1999 was not a great year for butterflies except for phenomenal late fall weather that led to a number of late records "the likes of which may not be seen again." Specific locations, i.e., 52 x 106, represent degrees of latitude and longitude.

**Butterflies****HESPERIIDAE**

Epargyreus clarus	Saskatoon; 52 x 106	11-Aug-99	JBC
12 days later than previous late date			
Polites peckius	Saskatoon; 52 x 106	28-Sep-99	AL
5 days later than previous late date; collected			
Euphyes vestris	Saskatoon; 52 x 106	19-Aug-99	JBC
8 days later than previous late date			

**PAPILIONIDAE**

Papilio kahli	Saskatoon; 52 x 106	11-Jul-99	JG1
11 days later than previous late date; collected			

**PIERIDAE**

Colias philodice	Saskatoon; 52 x 106	12-Nov-99	AL
13 days later than previous late date			

**LYCAENIDAE**

Satyrrium titus	Saskatoon; 52 x 106	26-Aug-99	JBC
2 days later than previous late date			
Callophrys augustinus	Cypress Hills Provincial Park, 49 x 109	02-May-99	MF1
11 days earlier than previous early record			
Callophrys eryphon	Cypress Hills Provincial Park, 49 x 109	02-May-99	MF1
4 days earlier than previous early record			
Celastrina neglecta	Roche Perce; 49 x 102	27-Jul-99	MAG
19 days later than previous late date; collected			

**NYMPHALIDAE**

Polygonia comma	Roche Perce; 49 x 102	27-Jul-99	MAG
Still considered rare in SK, but probably regular in Souris Valley			
Polygonia satyrus	Saskatoon; 52 x 106	07-Nov-99	AL
17 days later than previous late date; collected			
Polygonia faunus	Roche Perce; 49 x 102	27-Jul-99	MAG
1ST RECORD FOR SOUTHEAST SK			
Polygonia gracilis	Emma Lake, 53 X 105	25-May-99	CLS
Collected 11 days earlier than previous records			
Nymphalis vai-album	Cypress Hills Provincial Park, 49 x 109	25-Jul-99	MF1
SOUTHWEST; 1st record for Cypress Hills			
Nymphalis milberti	Dundurn, 51 x 106	22-Mar-99	MAG
Collected 5 days earlier than previous records			
Speyeria atlantis lais	Saskatoon; 52 x 106	25-Sep-99	JBC
14 days later than previous late date; collected			
Phyciodes batesii	Ft. Qu'appelle	20-Sep-99	RRH
8 days later than previous late date			

## KANSAS

Two reports, both filed by Stanford (RES), accounted for 19 new county records.

### Butterflies

#### HESPERIIDAE

Thorybes pylades	HITCHCOCK: fide Valerie Wright on WWW via RES	17-May-98	RES
Polites themistocles	SHERMAN: Sherman SFL, 12 mi SSW Goodland	12-Jul-99	RES
Pompeius verna	HITCHCOCK: fide Valerie Wright on WWW via RES	20-Jun-98	RES
Anatrytone logan	WALLACE: Sharon Springs	12-Jul-99	RES
Atrytonopsis hianna turneri	HITCHCOCK: fide Valerie Wright on WWW via RES	17-May-98	RES

#### PAPILIONIDAE

Battus philenor	THOMAS: Colby	12-Jul-99	RES
Papilio polyxenes asterius	DECATUR: US 83 at Cedar Bluffs, Beaver Creek	12-Jul-99	RES
Papilio multicaudatus	SHERMAN: Sherman SFL, 12 mi SSW Goodland	12-Jul-99	RES

#### PIERIDAE

Eurema mexicanum	CHEYENNE: Buffalo Memorial, 1.5 mi NW St. Francis	11-Jul-99	RES
Eurema mexicanum	SHERMAN: Sherman SFL, 12 mi SSW Goodland	12-Jul-99	RES

#### LYCAENIDAE

Satyrrium titus mopsus	HITCHCOCK: fide Valerie Wright on WWW via RES	27-Jun-98	RES
Satyrrium calanus falacer	HITCHCOCK: fide Valerie Wright on WWW via RES	20-Jun-98	RES
Leptotes marina	DECATUR: US 83 at Cedar Bluffs, Beaver Creek	12-Jul-99	RES
Celastrina neglecta	HITCHCOCK: fide Valerie Wright on WWW via RES	20-Jun-99 - 30-Aug-99	RES

referred by RES to neglecta by date inference

#### NYMPHALIDAE

Speyeria edwardsii	CHEYENNE: Buffalo Memorial, 1.5 mi NW St. Francis	11-Jul-99	RES
Phyciodes pictus	WALLACE: Sharon Springs	12-Jul-99	RES
Thessalia fulvia	CHEYENNE: Buffalo Memorial, 1.5 mi NW St. Francis	11-Jul-99	RES
Thessalia fulvia	RAWLINS: hill 4 mi S Atwood	12-Jul-99	RES
Enodia anthedon	HITCHCOCK: fide Valerie Wright on WWW via RES	23-Aug-97 - 27-Sep-97	RES

Late!

## NEBRASKA

Nebraska butterflies provided another interesting year. Precipitation was average to above average until the end of July for most of the state. Polygonia species (especially P. interrogationis) were abundant all year. A. hianna enjoyed a good year and was found in numerous, previously unreported, locations in the western part of the state. Southern species showed up early (June and July), with H. phyleus appearing in good numbers for the second consecutive year. In addition, a balmy autumn provided butterfly activity until November 18, with Nebraska's latest butterfly (C. philodice) being recorded by JMR on December 4. A total of 108 species and 119 county records were reported from the state by nine observers. No moth records were submitted in 1999.

### Butterflies

#### HESPERIIDAE

Epargyreus clarus	RED WILLOW: Republican River at McCook city park	13-Jul-99	S-S
Thorybes pylades	PAWNEE: Table Rock SWMA	13-Jun-99	NED
Pyrgus communis	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
Pyrgus communis	CASS: Schilling Refuge	12-Aug-99	LBP
Pyrgus communis	GREELEY: 1 mi E Scotia	05-Sep-99	NED
Pholisora catullus	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
Ancyloxypha numitor	BOX BUTTE: SR 71 at Niobrara River, 4200'	04-Jun-99	RES
Ancyloxypha numitor	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	NED
Ancyloxypha numitor	CLAY: Harvard Marsh	04-Aug-99	LBP
Ancyloxypha numitor	CASS: Schilling Refuge	12-Aug-99	LBP
Hylephila phyleus	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	NED
Hylephila phyleus	RICHARDSON: Indian Cave SP	08-Aug-99	LBP
Hylephila phyleus	SHERMAN: In Rockville	12-Aug-99	SMS
Hylephila phyleus	GREELEY: 1 mi E Scotia	05-Sep-99	NED
Hylephila phyleus	HOWARD: 4 mi S, 1 mi W Dannebrog	05-Sep-99	NED
Hesperia uncas	ARTHUR: SR 61, 11 mi S Arthur, 3500'	02-Jun-99	RES
Hesperia uncas	SHERIDAN: Antelope Cr, 5 mi E, 2 mi S Gorden	02-Jun-99	RES
Hesperia uncas	GRANT: SR 61, 12 mi S Hyannis	02-Jun-99	RES
Hesperia uncas	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
Hesperia uncas	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
Hesperia ottoe	RED WILLOW: US 83, 8.5 mi N McCook	13-Jul-99	S-S

Hesperia leonardus pawnee	GREELEY: Happy Jack Peak at Scotia Mine	05-Sep-99	NED
Hesperia leonardus pawnee	HOWARD: 2 mi E Cotesfield	05-Sep-99	NED
Polites rhesus	ARTHUR: SR 61, 11 mi S Arthur, 3500'	02-Jun-99	RES
Polites peckius	KIMBALL: Lodgepole Cr in Kimball, 4700'	05-Jun-99	RES
Polites peckius	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	JLE
Polites themistocles	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
Polites themistocles	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
Polites themistocles	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S
Polites themistocles	FRONTIER: Red Willow Resvr SRA	13-Jul-99	S-S
Wallengrenia egeremet	PAWNEE: Prairie Knoll SWMA	20-Jun-99	NED
Wallengrenia egeremet	MADISON: Oak Valley SWMA	04-Jul-99	NED
Atalopedes campestris	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	NED
Atalopedes campestris	GREELEY: 1 mi E Scotia	05-Sep-99	NED
Anatrytone logan	HITCHCOCK: in Culbertson	13-Jul-99	S-S
Anatrytone logan	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S
Poanes hobomok	BOX BUTTE: SR 71 at Niobrara River, 4200'	04-Jun-99	RES
Poanes hobomok	CHEYENNE: Lodgepole Cr. in Sidney, 4085'	05-Jun-99	RES
Poanes zabulon	PAWNEE: Table Rock SWMA	13-Jun-99	NED
Euphyes vestris	NANCE: 0.25 mi N Fullerton	04-Jul-99	NED
Euphyes vestris	MADISON: Oak Valley SWMA	04-Jul-99	NED
Atrytonopsis hianna	FURNAS: hills S Holbrook	22-May-99	DRL
Atrytonopsis hianna	FRONTIER: Harry Strunk Lake	23-May-99	DRL
Atrytonopsis hianna	KEITH: 2 mi N Brule, 3480'	01-Jun-99	RES
Atrytonopsis hianna	DEUEL: Day Road, 3 mi N Big Springs Jct., 3520'	01-Jun-99	RES
Atrytonopsis hianna	GRANT: SR 61, 12 mi S Hyannis	02-Jun-99	RES
Atrytonopsis hianna	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
Atrytonopsis hianna	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
Atrytonopsis hianna	CHEYENNE: Lodgepole Cr. in Sidney, 4085'	05-Jun-99	RES
Atrytonopsis hianna	MORRILL: US 385, 10 mi N Bridgeport, 4150'	05-Jun-99	RES
Amblyscirtes vialis	KEITH: Riverside Campground 0.5 mi S Brule	01-Jun-99	RES
Amblyscirtes vialis	ARTHUR: in Arthur	02-Jun-99	RES
Amblyscirtes vialis	SHERIDAN: Antelope Cr, 5 mi E, 2 mi S Gorden	02-Jun-99	RES
Amblyscirtes vialis	DAWES: Dam Rd., Niobrara River, 2 mi E Marsland	04-Jun-99	RES
Amblyscirtes vialis	BOX BUTTE: SR 71 at Niobrara River, 4200'	04-Jun-99	RES
Lerodea eufala	GREELEY: 1 mi E Scotia	05-Sep-99	NED
Lerodea eufala	HOWARD: 3 mi S, 1 mi E Dannebrog	05-Sep-99	NED
<b>PAPILIONIDAE</b>			
Papilio polyxenes asterius	ARTHUR: in Arthur	02-Jun-99	RES
Papilio polyxenes asterius	FRONTIER: Red Willow Resvr SRA	13-Jul-99	S-S
Papilio polyxenes asterius	HOWARD: 3 mi S, 1 mi E Dannebrog	05-Sep-99	NED
Papilio zelicaon	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
Papilio glaucus	BOX BUTTE: in Alliance, 3960'	05-Jun-99	RES
Papilio glaucus	CLAY: Harvard Marsh	04-Aug-99	LBP
Papilio glaucus	PHELPS: 13 mi N, 1 mi E Loomis	09-Aug-99	NED
<b>PIERIDAE</b>			
Pontia protodice	FRONTIER: Red Willow SRA	13-Jul-99	S-S
Pontia protodice	DODGE: N of Ames	05-Aug-99	LBP
Euchloe olympia	ARTHUR: SR 61, 11 mi S Arthur, 3500'	02-Jun-99	RES
Eurema mexicanum	RED WILLOW: Republican River at McCook city park	13-Jul-99	S-S
Eurema mexicanum	DUNDY: 6 mi S Wauneta	13-Jul-99	S-S
Nathalis iole	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	JLE
Nathalis iole	CLAY: in town of Harvard	04-Aug-99	LBP
<b>LYCAENIDAE</b>			
Lycaena dione	HITCHCOCK: wet meadow nr Culbertson	13-Jul-99	S-S
Lycaena dione	RED WILLOW: Republican River at McCook city park	13-Jul-99	S-S
Lycaena hyllus	HITCHCOCK: wet meadow nr Culbertson	13-Jul-99	S-S
Lycaena hyllus	RED WILLOW: Republican River at McCook city park	13-Jul-99	S-S
Lycaena hyllus	PHELPS: 13 mi N, 1 mi E Loomis	09-Aug-99	NED
Satyrium titus	PAWNEE: Prairie Knoll SWMA	20-Jun-99	JLE
Satyrium titus	GAGE: Wildcat Creek Prairie	10-Jul-99	SMS
Satyrium calanus	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
Satyrium calanus	GAGE: 3 mi S, 0.75 mi W Rockford	20-Jun-99	NED
Satyrium calanus	PAWNEE: Prairie Knoll SWMA	20-Jun-99	NED
Strymon melinus	GREELEY: Happy Jack Peak at Scotia Mine	05-Sep-99	NED
Hemiargus isola	SHERIDAN: Antelope Creek, 5 mi E, 2 mi S Gorden	02-Jun-99	RES
Hemiargus isola	GAGE: Wildcat Creek Prairie	10-Jul-99	SMS
Hemiargus isola	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S



<i>Celastrina argiolus</i>	BOONE: 1 mi W, 1 mi S Loretto	04-Jul-99	NED
<i>Celastrina argiolus</i>	MERRICK: 1.5 mi N, 0.5 mi E Worms	31-Jul-99	NED
<i>Euphilotes ancilla</i>	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
<i>Euphilotes ancilla</i>	DAWES: SR 71, 17.4 mi NNW Crawford, 3600'	04-Jun-99	RES
<i>Lycaeides melissa</i>	GREELEY: 1 mi E Scotia	05-Sep-99	NED
<i>Plebejus shasta minnehaha</i>	BOX BUTTE: SR 71, 26.1 mi SSE Crawford	04-Jun-99	RES
<b>NYPHALIDAE</b>			
<i>Polygonia interrogationis</i>	ARTHUR: in Arthur	02-Jun-99	RES
<i>Polygonia interrogationis</i>	THOMAS: 3 mi W Halsey NF	10-Jun-99	SMS
<i>Polygonia interrogationis</i>	NANCE: 0.25 mi N Fullerton	04-Jul-99	NED
<i>Polygonia interrogationis</i>	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S
<i>Nymphalis antiopa</i>	RED WILLOW: Republican River at McCook city park	13-Jul-99	S-S
<i>Nymphalis antiopa</i>	DODGE: nr Ames	12-Oct-99	JP2
<i>Vanessa cardui</i>	GRANT: SR 61, 12 mi S Hyannis	02-Jun-99	RES
<i>Junonia coenia</i>	PAWNEE: Hickory Ridge SWMA	13-Jun-99	NED
<i>Junonia coenia</i>	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S
<i>Junonia coenia</i>	CLAY: Harvard Marsh	04-Aug-99	LBP
<i>Junonia coenia</i>	PHELPS: 13 mi N, 1 mi E Loomis	09-Aug-99	NED
<i>Junonia coenia</i>	THOMAS: Halsey NF	12-Aug-99	SMS
<i>Junonia coenia</i>	GREELEY: 1 mi E Scotia	05-Sep-99	NED
<i>Euptoieta claudia</i>	GREELEY: 1 mi E Scotia	05-Sep-99	NED
<i>Speyeria idalia</i>	HAYES: US 6, 1-3 mi NW Palisade	13-Jul-99	S-S
<i>Boloria selene sabulicollis</i>	THOMAS: 3 mi W Halsey NF	10-Jun-99	SMS
<i>Phyciodes phaon</i>	BUFFALO: 1 mi N Ft. Kearney SHP	06-Aug-99	NED
<i>Phyciodes phaon</i>	NEMAHA: 0.25 mi S Brownville	08-Aug-99	LBP
<i>Chlosyne gorgone</i>	HOOKER: SR 2, 9 mi E Whitman	02-Jun-99	RES
<i>Chlosyne gorgone</i> ex larvae, emerged 21 Jun	JOHNSON: Hickory Ridge SWMA	13-Jun-99	NED
<i>Chlosyne gorgone</i> ex larvae, emerged 23 Jun	PAWNEE: Table Rock SWMA	13-Jun-99	NED
<i>Chlosyne nycteis</i>	RICHARDSON: Indian Cave SP	08-Aug-99	LBP
<i>Thessalia fulvia</i>	RED WILLOW: US 83, 8.5 mi N McCook	13-Jul-99	S-S
<i>Thessalia fulvia</i>	FRONTIER: Red Willow SRA	13-Jul-99	S-S
<i>Enodia anthedon</i>	THOMAS: Halsey NF	12-Aug-99	SMS
<i>Megisto cymela</i>	BOONE: 1 mi W, 1 mi S Loretto	04-Jul-99	NED
<i>Coenonympha inornata</i>	ARTHUR: SR 61, 11 mi S Arthur, 3500'	02-Jun-99	RES

## NORTH DAKOTA

Spring was relatively "normal", but a warm fall continued well into October, leading to late flights of several multivoltine and migrant species. Midsummer butterfly numbers were somewhat depressed, although there was an unusually strong late summer/autumn Monarch emergence. Little wide scale fieldwork was reported in 1999, but some interesting older records surfaced. Among these, several new county records were reported by Igl (LDI) from USGS Conservation Reserve Program (CRP) research sites in three southeastern counties.

### Butterflies

#### PAPILIONIDAE

<i>Papilio glaucus</i>	STUTSMAN: Jamestown	16-Aug-99 - 18-Aug-99	LDI
Referred to <i>P. glaucus</i> on basis of date (second brood)			

#### NYPHALIDAE

<i>Polygonia interrogationis</i> unusual northern occurrence; fresh	MCLEAN: Fort Stevenson SP	23-Aug-99	GAH
<i>Nymphalis antiopa</i>	EDDY: one CRP research site	16-Jun-98	LDI
<i>Nymphalis antiopa</i>	KIDDER: one CRP research site	25-Jun-98	LDI
<i>Nymphalis milberti</i>	EDDY: one CRP research site	19-Jun-97	LDI
<i>Vanessa virginiensis</i>	KIDDER: 3 CRP research sites	24-Jun-98	LDI
<i>Vanessa atalanta</i>	KIDDER: one CRP research site	25-Jun-97	LDI
<i>Vanessa atalanta</i>	EDDY: one CRP research site	20-Jun-98	LDI
<i>Limnitis archippus</i>	EDDY: 3 CRP research sites	19-Jun-97	LDI
<i>Cercyonis pegala</i>	KIDDER: 4 CRP research sites	06-Jul-99	LDI
<i>Neominois ridingsii</i> Not seen for 2 decades; leg D. C. Peterson; in University of ND collection.	Mountrail: 10 mi NW New Town	02-Jul-73	RAR
<i>Danaus plexippus</i>	EDDY: several CRP research sites	20-Jun-97	LDI
<i>Danaus plexippus</i>	KIDDER: several CRP research sites	24-Jun-97	LDI

## SOUTH DAKOTA

Gary Marrone compiled the records from the state.

### Butterflies

#### HESPERIIDAE

<i>Epargyreus clarus</i>	SANBORN: Forestburg roadside park	17-Jun-99	GMM
<i>Pyrgus communis</i>	FAULK: Faulkton	24-Aug-99	MBZ
<i>Ancyloxypha numitor</i>	MOODY: 1 mi E Egan	16-Jun-99	GMM
<i>Oarisma poweshiek</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Hylephila phyleus</i> captured two males and one female; northwest range extension	STANLEY: 2 mi S Oahe Dam	29-Jul-99	GMM
<i>Hesperia comma colorado</i>	MEADE: Ft. Meade Recreation Area	21-Aug-99	GMM
<i>Polites peckius</i>	FAULK: Faulkton	24-Aug-99	MBZ
<i>Polites peckius</i>	STANLEY: 2 mi S Oahe Dam	24-Aug-99	GMM
<i>Polites themistocles</i>	FAULK: Faulkton	24-Aug-99	MBZ
<i>Polites mystic dacotah</i>	SANBORN: Twin Lakes Recreation Area	17-Jun-99	GMM
<i>Atalopedes campestris</i>	FAULK: Faulkton	24-Aug-99	MBZ
<i>Anatrytone logan lagus</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Amblyscirtes oslari</i>	SHANNON: nr Interior	03-Jun-99	RES

#### PIERIDAE

<i>Phoebis sennae eubule</i> western range extension in state	STANLEY: 2 mi S Oahe Dam	06-Sep-99	GMM
<i>Nathalis iole</i>	LINCOLN: Big Sioux River	08-Aug-99	DRS

#### LYCAENIDAE

<i>Satyrium liparops</i>	SHANNON: nr Interior	23-Jun-99	GMM
<i>Everes comyntas</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Everes comyntas</i>	MEADE: Ft. Meade Recreation Area	22-Aug-99	GMM

#### NYMPHALIDAE

<i>Libytheana carinenta mexicana</i>	EDMUNDS: Bowdle	28-Jul-99	MBZ
<i>Polygonia interrogationis</i> captured in baited trap	CODINGTON: Watertown	10-Jun-99	GMM
<i>Polygonia interrogationis</i> captured in baited trap	SANBORN: Twin Lakes Recreation Area	17-Jun-99	GMM
<i>Polygonia interrogationis</i>	DEWEY: Little Moreau Recreation Area	26-Jun-99	NEB
<i>Polygonia interrogationis</i> captured in baited trap	TRIPP: Rahn Lake	12-Aug-99	GMM
<i>Polygonia interrogationis</i> captured in baited trap	MOODY: 1 mi E Egan	06-Sep-99	GMM
<i>Polygonia comma</i> captured in baited trap	CODINGTON: Watertown	10-Jun-99	GMM
<i>Polygonia comma</i> captured in baited trap	SANBORN: Twin Lakes Recreation Area	17-Jun-99	GMM
<i>Polygonia comma</i> captured in baited trap	MOODY: 1 mi E Egan	06-Sep-99	GMM
<i>Polygonia progne</i> captured in baited trap	TRIPP: Rahn Lake	12-Aug-99	GMM
<i>Nymphalis milberti</i>	Stanley: 1 mi W Sheriff Dam, Ft. Pierre NG	25-Oct-99	GMM
<i>Euptoieta claudia</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Speyeria idalia</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Boloria bellona toddi</i>	CLARK: nr Bradley	10-Jul-99	GMM
<i>Boloria bellona toddi</i>	CODINGTON: Horseshoe Lake	10-Jul-99	GMM
<i>Phyciodes tharos</i>	HAND: Lake Louise	12-Jul-99	GMM
<i>Limnitis arthemis</i> captured in baited trap	CODINGTON: Watertown	10-Jul-99	GMM
<i>Limnitis arthemis</i> western range extension, captured in baited trap	STANLEY: 2 mi S Oahe Dam	23-Jul-99	GMM
<i>Limnitis arthemis astyanax</i>	FAULK: Faulkton	24-Aug-99	MBZ
<i>Anaea andria</i> first Black Hills record, captured in baited trap	CUSTER: nr Bismarck Lake	17-Sep-99	GMM
<i>Asterocampa celtis</i> captured in baited trap	CODINGTON: Watertown	10-Jun-99	GMM
<i>Asterocampa celtis</i> captured in baited trap	SANBORN: Twin Lakes Recreation Area	17-Jun-99	GMM
<i>Megisto cymela</i>	CODINGTON: Watertown	10-Jun-99	GMM

Megisto cymela  
Coenonympha tullia  
Coenonympha tullia

HAND: Lake Louise  
MINER: 7 mi E Howard  
MOODY: 1 mi E Egan

12-Jul-99  
17-Jun-99  
06-Sep-99

GMM  
GMM  
GMM

## Zone 6 South Central

## Oklahoma, Texas, Arkansas, Louisiana

Coordinator: Charles W. Bordelon, Jr.

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## ARKANSAS

Rudolph and Ely (R/E) collected in 18 counties in the state and reported an unprecedented number of lep records from "The Land of Opportunity". Included in these records were 63 new county records for moths and 685 new county records for butterflies! (Ed. Note: All of the Hesperidae, Lycaenidae, Pieridae and Riodinidae records are included in this hard copy report plus most of the Nymphalidae records. The remaining records will be added to the master database and will be available "on-line".)

### Butterflies

#### HESPERIIDAE

Epargyreus clarus	POLK: 2 mi E of Wicks	19-Apr-99	R/E
Epargyreus clarus	MONTGOMERY: 1 mi NW of Albert Pike cpgd	30-Apr-99	R/E
Epargyreus clarus	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Epargyreus clarus	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Epargyreus clarus	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Epargyreus clarus	SALINE: 8 mi NE of Jessieville	17-Jul-99	R/E
Epargyreus clarus	GARLAND: 5 mi NW of Jessieville	17-Jul-99	R/E
Epargyreus clarus	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Epargyreus clarus	LAFAYETTE: 8 mi NW of Lewisville	18-Jul-99	R/E
Epargyreus clarus	PIKE: 2 mi N of Langley	30-Jul-99	R/E
Epargyreus clarus	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
Epargyreus clarus	LOGAN: nr Jack Creek cpgd	31-Jul-99	R/E
Epargyreus clarus	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Epargyreus clarus	PERRY: 0.5 mi S of Fourche Junction	21-Aug-99	R/E
Epargyreus clarus	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Urbanus proteus	POLK: Tall Peak	30-Jul-99	R/E
Urbanus proteus	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Autochton cellus	MONTGOMERY: 3 mi NE of Norman	01-Aug-99	R/E
Achalarus lyciades	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Achalarus lyciades	MONTGOMERY: 5 mi NE of Glenwood	02-May-99	R/E
Achalarus lyciades	GARLAND: 5 mi NW of Jessieville	02-May-99	R/E
Achalarus lyciades	SCOTT: 6 mi S of Waldron	12-May-99	REB
Achalarus lyciades	PIKE: 1 mi S of Kirby	14-May-99	R/E
Achalarus lyciades	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
Achalarus lyciades	PERRY: 4 mi SE of Hollis	15-May-99	R/E
Achalarus lyciades	POLK: Tall Peak	30-Jul-99	R/E
Achalarus lyciades	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
Achalarus lyciades	LOGAN: nr Jack Creek cpgd	31-Jul-99	R/E
Achalarus lyciades	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Achalarus lyciades	CLARK: Antoine	22-Aug-99	R/E
Thorybes bathyllus	SALINE: 7.5 mi NE of Jessieville	18-Apr-99	R/E
Thorybes bathyllus	SCOTT: 1 mi SW of Waldron	27-Apr-99	HW1
Thorybes bathyllus	MONTGOMERY: 5 mi NE of Glenwood	14-May-99	R/E
Thorybes bathyllus	GARLAND: 5 mi NW of Jessieville	17-Jul-99	R/E
Thorybes bathyllus	PERRY: 7 mi NW of Jessieville	17-Jul-99	R/E
Thorybes bathyllus	YELL: Aly	17-Jul-99	R/E
Thorybes bathyllus	HOT SPRINGS: 1 mi S of Bonnerdale	18-Jul-99	R/E

Thorybes bathyllus	POLK: Tall Peak	30-Jul-99	R/E
Thorybes bathyllus	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Thorybes pylades	SCOTT: SW of Waldron	13-Apr-99	RRS
Thorybes pylades	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Thorybes pylades	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Thorybes pylades	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Thorybes pylades	GARLAND: 5 mi NW of Jessievile	15-May-99	R/E
Thorybes pylades	PERRY: 4 mi SE of Hollis	15-May-99	R/E
Thorybes pylades	SALINE: 8 mi NE of Jessievile	15-May-99	R/E
Thorybes pylades	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Thorybes confusis	SCOTT: 1 mi SW of Waldron	27-Apr-99	HW1
Thorybes confusis	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Thorybes confusis	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Thorybes confusis	SALINE: 8 mi NE of Jessievile	15-May-99	R/E
Thorybes confusis	SEVIER: 16 mi ENE of De Queen	16-May-99	R/E
Staphylus hayhurstii	POLK: Tall Peak	30-Apr-99	R/E
Staphylus hayhurstii	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Staphylus hayhurstii	SALINE: 8 mi NE of Jessievile	17-Jul-99	R/E
Staphylus hayhurstii	CLARK: 3 mi NW of Amity	01-Aug-99	R/E
Staphylus hayhurstii	YELL: 3 m NE of Havana	22-Aug-99	R/E
Staphylus hayhurstii	MONTGOMERY: nr Welsh	22-Aug-99	R/E
Staphylus hayhurstii	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Erynnis icelus	PERRY: 3.5 mi NW of Jessievile	18-Apr-99	R/E
Erynnis icelus	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Erynnis icelus	POLK: Tall Peak	30-Apr-99	R/E
Erynnis icelus	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Erynnis icelus	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
Erynnis icelus	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Erynnis brizo	SCOTT: 6 mi S of Waldron	13-Apr-99	RRS
Erynnis brizo	MONTGOMERY: 4 mi N of Glenwood	17-Apr-99	R/E
Erynnis brizo	GARLAND: 1.5 mi N of Bonnerdale	17-Apr-99	R/E
Erynnis brizo	YELL: 3 m SE of Aly	18-Apr-99	R/E
Erynnis brizo	SALINE: 7.5 mi NE of Jessievile	18-Apr-99	R/E
Erynnis brizo	PERRY: 3.5 mi NW of Jessievile	18-Apr-99	R/E
Erynnis juvenalis	SCOTT: SW of Waldron	13-Apr-99	RRS
Erynnis juvenalis	MONTGOMERY: 7 mi NE of Glenwood	17-Apr-99	R/E
Erynnis juvenalis	GARLAND: 1.5 mi N of Bonnerdale	17-Apr-99	R/E
Erynnis juvenalis	PIKE: 1 mi S of Kirby	17-Apr-99	R/E
Erynnis juvenalis	SALINE: 7.5 mi NE of Jessievile	18-Apr-99	R/E
Erynnis juvenalis	PERRY: 3.5 mi NW of Jessievile	18-Apr-99	R/E
Erynnis juvenalis	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Erynnis juvenalis	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Erynnis juvenalis	LOGAN: Magazine Mountain	15-May-99	R/E
Erynnis juvenalis	LAFAYETTE: Buckner	03-Oct-99	R/E
Erynnis horatius	CLARK: 8 mi E of Glenwood	14-May-99	R/E
Erynnis horatius	POLK: Bard Spring	16-May-99	R/E
Erynnis horatius	LITTLE RIVER: 3 mi N of Wilton	16-Jul-99	R/E
Erynnis horatius	HOT SPRINGS: 1 mi S of Bonnerdale	18-Jul-99	R/E
Erynnis horatius	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
Erynnis horatius	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Erynnis horatius	YELL: 3 m NE of Havana	22-Aug-99	R/E
Erynnis horatius	LAFAYETTE: Buckner	03-Oct-99	R/E
Erynnis martialis	SCOTT: SW of Waldron	12-Apr-99	RRS
Erynnis martialis	PERRY: 3.5 mi NW of Jessievile	18-Apr-99	R/E
Erynnis funeralis	MONTGOMERY: 7 mi NE of Glenwood	17-Apr-99	R/E
Erynnis funeralis	HEMPSTEAD: 2 mi NW of Fulton	14-May-99	R/E
Erynnis funeralis	PIKE: 1 mi S of Kirby	14-May-99	R/E
Erynnis funeralis	POLK: Tall Peak	16-May-99	R/E
Erynnis funeralis	YELL: Aly	17-Jul-99	R/E
Erynnis funeralis	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Pyrgus communis	PERRY: 3.5 mi NW of Jessievile	18-Apr-99	R/E
Pyrgus communis	SALINE: 7.5 mi NE of Jessievile	18-Apr-99	R/E
Pyrgus communis	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Pyrgus communis	YELL: 3.5 m W of Waltreak	01-May-99	R/E
Pyrgus communis	POLK: Tall Peak	16-May-99	CSC
Pyrgus communis	LITTLE RIVER: 3 mi S of Ogden	16-Jul-99	R/E
Pyrgus communis	HEMPSTEAD: Birgen	01-Aug-99	R/E



Pyrgus communis	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Pyrgus communis	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Pyrgus communis	MONTGOMERY: nr Welsh	03-Oct-99	R/E
Pholisora catullus	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Pholisora catullus	LOGAN: 2 mi W of Magazine	02-Oct-99	R/E
Nastra Iherminier	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
Nastra Iherminier	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Nastra Iherminier	YELL: 3 m NE of Havana	22-Aug-99	R/E
Nastra Iherminier	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Lerema accius	POLK: Tall Peak	30-Apr-99	R/E
Lerema accius	YELL: 3.5 m W of Waltreak	01-May-99	R/E
Lerema accius	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Lerema accius	LOGAN: Magazine Mountain	15-May-99	R/E
Lerema accius	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Lerema accius	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Lerema accius	PERRY: 7 mi NW of Jessieville	17-Jul-99	R/E
Lerema accius	HOT SPRINGS: 1 mi S of Bonnerdale	18-Jul-99	R/E
Lerema accius	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Lerema accius	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
Lerema accius	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Lerema accius	SEVIER: 16 mi ENE of De Queen	10-Oct-99	R/E
Ancyloxypha numitor	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Ancyloxypha numitor	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Ancyloxypha numitor	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Ancyloxypha numitor	HEMPSTEAD: Birgen	01-Aug-99	R/E
Ancyloxypha numitor	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Ancyloxypha numitor	SEVIER: 16 mi ENE of De Queen	16-Aug-99	R/E
Ancyloxypha numitor	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Ancyloxypha numitor	SCOTT: 10 mi NW of Waldron	02-Oct-99	R/E
Ancyloxypha numitor	LOGAN: 2 mi W of Magazine	02-Oct-99	R/E
Ancyloxypha numitor	SEBASTIAN: 3 mi SW of Hartford	02-Oct-99	R/E
Ancyloxypha numitor	MONTGOMERY: nr Welsh	03-Oct-99	R/E
Hylephila phyleus	POLK: Bard Spring	30-Apr-99	R/E
Hylephila phyleus	HEMPSTEAD: 1 mi N of Fulton	30-Apr-99	R/E
Hylephila phyleus	PIKE: 1 mi S of Kirby	14-May-99	R/E
Hylephila phyleus	MONTGOMERY: 5 mi NE of Glenwood	14-May-99	CSC
Hylephila phyleus	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
Hylephila phyleus	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
Hylephila phyleus	HOWARD: 2 mi S of Umpire	16-May-99	R/E
Hylephila phyleus	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Hylephila phyleus	PERRY: 7 mi NW of Jessieville	17-Jul-99	R/E
Hylephila phyleus	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Hylephila phyleus	NEVADA: 2 mi SW of Prescott	18-Jul-99	R/E
Hylephila phyleus	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Hylephila phyleus	LOGAN: nr Jack Creek cpgd	31-Jul-99	R/E
Hylephila phyleus	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Hylephila phyleus	MARION: Bull Shoals	27-Nov-99 - 28-Nov-99	SCB
	late; swarming even though there had already been two frosts		
Hesperia leonardus	SEBASTIAN: 6 mi E of Hartford	02-Oct-99	R/E
Hesperia leonardus	SCOTT: 10 mi NW of Waldron	06-Oct-99	HW1
Hesperia metea	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Hesperia metea	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Hesperia metea	SALINE: 6 mi W of Jessieville	18-Apr-99	R/E
Hesperia meskei	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Polites themistocles	SCOTT: 2 mi SE of North Boothe	01-May-99	RRS
Polites themistocles	MONTGOMERY: 5 mi NE of Glenwood	02-May-99	R/E
Polites themistocles	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
Polites themistocles	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
Polites themistocles	YELL: 3 m NE of Havana	22-Aug-99	R/E
Polites themistocles	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Polites themistocles	LOGAN: 2 mi W of Magazine	02-Oct-99	R/E
Polites origenes	MONTGOMERY: 4 mi W of Albert Pike cpgd	16-May-99	CSC
Polites origenes	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Polites origenes	POLK: 1 mi W of Shady Lake cpgd	20-Aug-99	R/E
Polites origenes	PERRY: 1 mi SE of Hollis	21-Aug-99	R/E
Polites origenes	SEBASTIAN: 6 mi E of Hartford	02-Oct-99	R/E
Polites vibex	CLARK: 3 mi NW of Amity	01-Aug-99	R/E

Wallengrenia otho	CLARK: 8 mi E of Glenwood	14-May-99	R/E
Wallengrenia otho	MONTGOMERY: 5 mi NE of Glenwood	14-May-99	R/E
Wallengrenia otho	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Wallengrenia otho	PERRY: 1 mi SE of Hollis	21-Aug-99	R/E
Wallengrenia otho	LOGAN: Magazine Mountain	22-Aug-99	R/E
Wallengrenia otho	HEMPSTEAD: Blivins	22-Aug-99	R/E
Wallengrenia otho	YELL: 3 m NE of Havana	22-Aug-99	R/E
Wallengrenia otho	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Wallengrenia otho	SEBASTIAN: 6 mi E of Hartford	02-Oct-99	R/E
Wallengrenia otho	SCOTT: 10 mi NW of Waldron	02-Oct-99	R/E
Wallengrenia egeremet	PERRY: 8 mi NW of Jessieville	31-Jul-99	R/E
Wallengrenia egeremet	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
Wallengrenia egeremet	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Wallengrenia egeremet	HOT SPRINGS: 1 mi N of Bonnerdale	21-Aug-99	R/E
Wallengrenia egeremet	MONTGOMERY: nr Welsh	22-Aug-99	R/E
Wallengrenia egeremet	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Wallengrenia egeremet	HEMPSTEAD: Blivins	22-Aug-99	R/E
Pompeius verna	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
Pompeius verna	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Pompeius verna	LOGAN: nr Jack Creek cpgd	31-Jul-99	R/E
Pompeius verna	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Pompeius verna	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Pompeius verna	MONTGOMERY: 1 mi S of Norman	01-Aug-99	R/E
Pompeius verna	HEMPSTEAD: Birgen	01-Aug-99	R/E
Pompeius verna	PERRY: 1 mi SE of Hollis	21-Aug-99	R/E
Pompeius verna	CLARK: 3 mi N of Amity	22-Aug-99	R/E
Atalopedes campestris	MONTGOMERY: 5 mi NE of Glenwood	17-Apr-99	R/E
Atalopedes campestris	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Atalopedes campestris	YELL: 3.5 m W of Waltreak	01-May-99	R/E
Atalopedes campestris	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Atalopedes campestris	CLARK: 8 mi E of Glenwood	14-May-99	R/E
Atalopedes campestris	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Atalopedes campestris	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
Atalopedes campestris	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Atalopedes campestris	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
Atalopedes campestris	HOT SPRINGS: 1 mi N of Bonnerdale	21-Aug-99	R/E
Atalopedes campestris	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Atalopedes campestris	LITTLE RIVER: 3 mi N of Wilton	01-Oct-99	R/E
Atalopedes campestris	MARION: Bull Shoals	27-Nov-99 - 28-Nov-99	SCB
	late; many seen even though there had already been two frosts		
Anatrytone logan	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Anatrytone logan	LOGAN: nr Jack Creek cpgd	31-Jul-99	CSC
Anatrytone logan	PERRY: 8 mi NW of Jessieville	31-Jul-99	R/E
Anatrytone logan	SCOTT: 10 mi NW of Waldron	10-Aug-99	HW1
Problema byssus	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Poanes hobomok	POLK: Bard Spring	30-Apr-99	R/E
Poanes hobomok	MONTGOMERY: 1 mi NW of Albert Pike cpgd	30-Apr-99	R/E
Poanes hobomok	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
Poanes hobomok	SCOTT: SW of Waldron	11-May-99	REB
Poanes hobomok	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
Poanes hobomok	PERRY: 4 mi SE of Hollis	15-May-99	R/E
Poanes hobomok	HOWARD: 2 mi S of Shady lake	16-May-99	R/E
Poanes zabulon	PIKE: 1 mi S of Kirby	17-Apr-99	R/E
Poanes zabulon	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Poanes zabulon	MONTGOMERY: 11 mi N of Langley	30-Apr-99	R/E
Poanes zabulon	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
Poanes zabulon	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
Poanes zabulon	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Poanes zabulon	SEVIER: 16 mi ENE of De Queen	16-Aug-99	R/E
Poanes zabulon	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Poanes zabulon	YELL: 3 m NE of Havana	22-Aug-99	R/E
Poanes yehl	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Poanes yehl	SEVIER: 16 mi ENE of De Queen	01-Oct-99	R/E
Poanes yehl	CLARK: 3 mi N of Amity	03-Oct-99	R/E
Poanes viator zizaniae	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Euphyes dion	LITTLE RIVER: 3 mi N of Wilton	01-Oct-99	R/E
Euphyes ruricola metacommet	SCOTT: 8 mi SE of Booneville	01-May-99	R/E

Euphyes ruricola metacomet	HEMPSTEAD: 2 mi NW of Fulton	14-May-99	R/E
Euphyes ruricola metacomet	PERRY: 4 mi SE of Hollis	15-May-99	R/E
Euphyes ruricola metacomet	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
Euphyes ruricola metacomet	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
Euphyes ruricola metacomet	POLK: 4 mi E of Bard Spring	16-May-99	R/E
Euphyes ruricola metacomet	YELL: nr Aly	17-Jul-99	R/E
Euphyes ruricola metacomet	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Euphyes ruricola metacomet	HOT SPRINGS: 1 mi S of Bonnerdale	18-Jul-99	R/E
Euphyes ruricola metacomet	MONTGOMERY: nr Albert Pike	30-Jul-99	R/E
Euphyes ruricola metacomet	LOGAN: nr Jack Creek cpqd	31-Jul-99	CSC
Euphyes ruricola metacomet	HOWARD: 1-2 mi W of Athens	20-Aug-99	R/E
Euphyes ruricola metacomet	PIKE: 6 mi W of Langley	01-Oct-99	R/E
Euphyes ruricola metacomet	SEVIER: 16 mi ENE of De Queen	01-Oct-99	R/E
Atrytonopsis hianna	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Atrytonopsis hianna	SCOTT: 1 mi SW of Waldron	27-Apr-99	HW1
Atrytonopsis hianna	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Atrytonopsis hianna	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Atrytonopsis hianna	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Atrytonopsis hianna	GARLAND: 5 mi NW of Jessieville	02-May-99	R/E
Amblyscirtes hegon	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Amblyscirtes hegon	SALINE: 7.5 mi NE of Jessieville	18-Apr-99	R/E
Amblyscirtes hegon	MONTGOMERY: 1 mi NW of Albert Pike cpqd	30-Apr-99	R/E
Amblyscirtes hegon	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Amblyscirtes hegon	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Amblyscirtes aesculapius	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Amblyscirtes aesculapius	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Amblyscirtes aesculapius	SEVIER: 16 mi ENE of De Queen	16-Aug-99	R/E
Amblyscirtes aesculapius	PERRY: 1 mi SE of Hollis	21-Aug-99	R/E
Amblyscirtes vialis	CLARK: 3 mi N of Amity	22-Aug-99	R/E
Amblyscirtes vialis	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Amblyscirtes vialis	SALINE: 7.5 mi NE of Jessieville	18-Apr-99	R/E
Amblyscirtes vialis	YELL: 3 mi NW of Waltreak	01-May-99	R/E
Amblyscirtes vialis	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Amblyscirtes vialis	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Amblyscirtes vialis	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
Amblyscirtes vialis	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
Amblyscirtes belli	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Amblyscirtes belli	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Amblyscirtes belli	POLK: Bard Spring	16-May-99	R/E
Amblyscirtes belli	SALINE: 8 mi NE of Jessieville	17-Jul-99	R/E
Amblyscirtes belli	PERRY: 7 mi NW of Jessieville	17-Jul-99	R/E
Amblyscirtes belli	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Amblyscirtes belli	SEVIER: 16 mi ENE of De Queen	16-Aug-99	R/E
Amblyscirtes belli	MONTGOMERY: nr Welsh	22-Aug-99	R/E
Amblyscirtes belli	CLARK: 3 mi N of Amity	22-Aug-99	R/E
Amblyscirtes belli	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Amblyscirtes belli	YELL: 3 m NE of Havana	22-Aug-99	R/E
Lerodea eufala	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Lerodea eufala	LITTLE RIVER: 3 mi S of Ogden	16-Jul-99	R/E
Lerodea eufala	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
Lerodea eufala	POLK: Tall Peak	30-Jul-99	R/E
Lerodea eufala	PIKE: 2 mi N of Langley	30-Jul-99	R/E
Lerodea eufala	MONTGOMERY: nr Albert Pike	30-Jul-99	R/E
Lerodea eufala	YELL: 3 mi SE of Waltreak	31-Jul-99	R/E
Lerodea eufala	HEMPSTEAD: 2 mi NW of Fulton	20-Aug-99	R/E
Panoquina ocola	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Panoquina ocola	GARLAND: 2 mi NW of Pearcy	01-Aug-99	R/E
Panoquina ocola	MONTGOMERY: 1 mi S of Norman	01-Aug-99	R/E
Panoquina ocola	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Panoquina ocola	POLK: Tall Peak	20-Aug-99	R/E
Panoquina ocola	HEMPSTEAD: Blivins	22-Aug-99	R/E
Panoquina ocola	YELL: 3 m NE of Havana	22-Aug-99	R/E
Panoquina ocola	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Panoquina ocola	HOT SPRINGS: 3 mi S of Point Cedar	03-Oct-99	R/E
<b>PIERIDAE</b>			
Pontia protodice	HOT SPRINGS: 2 mi S of Bonnerdale	14-May-99	R/E
Pontia protodice	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E

Pontia protodice	NEVADA: 2 mi SW of Prescott	18-Jul-99	R/E
Euchloe olympia	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Anthocharis midea	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Anthocharis midea	GARLAND: 5 mi NW of Jessieville	18-Apr-99	R/E
Anthocharis midea	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Anthocharis midea	YELL: 3 mi SE of Aly	18-Apr-99	R/E
Colias eurytheme	PERRY: 5 mi NW of Jessieville	18-Apr-99	R/E
Colias eurytheme	YELL: 3.5 mi W of Waltreak	01-May-99	R/E
Colias eurytheme	LOGAN: Magazine Mountain	15-May-99	R/E
Colias eurytheme	SEVIER: 16 mi ENE of DeQueen	16-May-99	R/E
Colias eurytheme	NEVADA: 2 mi SW of Prescott	18-Jul-99	R/E
Colias eurytheme	HOWARD: 2 mi W of Athens	01-Oct-99	R/E
Zerene cesonia	HEMPSTEAD: 2 mi W of Patmos	18-Jul-99	R/E
Zerene cesonia	LAFAYETTE: 8 mi NW of Lewisville	18-Jul-99	R/E
Phoebis sennae eubule	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Phoebis sennae eubule	HEMPSTEAD: 1 mi N of Fulton	30-Apr-99	R/E
Phoebis sennae eubule	SALINE: 8 mi N of Jessieville	17-Jul-99	R/E
Phoebis sennae eubule	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Phoebis sennae eubule	PIKE: Glenwood	30-Jul-99	R/E
Phoebis sennae eubule	SCOTT: Waldron area	10-Aug-99	HW1
Phoebis sennae eubule	YELL: 3 mi NE of Havana	22-Aug-99	R/E
Phoebis sennae eubule	PERRY: SW of Hollis	02-Oct-99	R/E
Phoebis sennae eubule	LOGAN: 2 mi W of Magazine	02-Oct-99	R/E
Kricogonia lyside	SCOTT: SW of Waldron	12-Apr-99	RRS
Eurema lisa	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Eurema lisa	HOWARD: 2 mi S of Shady Lake	16-May-99	R/E
Eurema lisa	MONTGOMERY: 4 mi E of Albert Pike	16-May-99	R/E
Eurema lisa	PIKE: nr Langley	16-Jul-99	R/E
Eurema lisa	LITTLE RIVER: 3 mi S of Ogden	16-Jul-99	R/E
Eurema lisa	YELL: NW of Aly	17-Jul-99	R/E
Eurema lisa	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Eurema lisa	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Eurema lisa	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Eurema lisa	LOGAN: nr Jack Creek	31-Jul-99	R/E
Eurema lisa	HEMPSTEAD: 2 mi NW of Fulton	20-Aug-99	R/E
Eurema lisa	SEVIER: 16 mi ENE of DeQueen	01-Oct-99	R/E
Eurema nicippe	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Eurema nicippe	CLARK: 8 mi NW of Burtzell	18-Jul-99	R/E
Eurema nicippe	MONTGOMERY: nr Albert Pike cpqd	30-Jul-99	R/E
Eurema nicippe	LOGAN: nr Jack Creek	31-Jul-99	R/E
Eurema nicippe	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Eurema nicippe	YELL: 3 mi NE of Havana	22-Aug-99	R/E
Eurema nicippe	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Eurema nicippe	SCOTT: Boles area	20-Sep-99	HW1
Eurema nicippe	HOWARD: 2 mi W of Athens	01-Oct-99	R/E
Eurema nicippe	PERRY: SW of Hollis	02-Oct-99	R/E
Nathalis iole leg. Ron Thill	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Nathalis iole	YELL: 3 mi SE of Aly	18-Apr-99	R/E
Nathalis iole	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
Nathalis iole	HEMPSTEAD: 1 mi N of Fulton	30-Apr-99	R/E
Nathalis iole	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Nathalis iole	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Nathalis iole	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
Nathalis iole	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
Nathalis iole	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Nathalis iole	HOT SPRINGS: 1 mi N of Bonnerdale	03-Oct-99	R/E
<b>LYCAENIDAE</b>			
Feniseca tarquinius	YELL: nr Aly	17-Jul-99	R/E
Feniseca tarquinius	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Atlides halesus	SEBASTIAN: 3 mi SW of Hartford	02-Oct-99	R/E
Satyrrium calanus falacer	YELL: Magazine Mountain	15-May-99	CSC
Satyrrium liparops strigosum	SCOTT: 1 mi SW of Waldron	26-May-99	REB
Calycopis cecrops	SCOTT: 1 mi SW of Waldron	13-Apr-99	RRS
Calycopis cecrops	PIKE: 1 mi S of Murfreesboro	17-Apr-99	R/E
Calycopis cecrops	SEVIER: 2 mi SW of Horatio	19-Apr-99	R/E
Calycopis cecrops	LITTLE RIVER: 9 mi S of Foreman	19-Apr-99	R/E

<i>Calycopis cecrops</i>	MONTGOMERY: 1 mi NW of Albert Pike cpgd	30-Apr-99	R/E
<i>Calycopis cecrops</i>	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
<i>Calycopis cecrops</i>	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
<i>Calycopis cecrops</i>	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
<i>Calycopis cecrops</i>	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
<i>Calycopis cecrops</i>	HEMPSTEAD: Blivins	22-Aug-99	R/E
<i>Calycopis cecrops</i>	LOGAN: Magazine Mountain	02-Oct-99	R/E
<i>Callophrys grynea</i>	SCOTT: 1 mi SW of Waldron	12-Apr-99	RRS
<i>Callophrys grynea</i>	MONTGOMERY: 2 mi NE of Story	18-Apr-99	R/E
<i>Callophrys grynea</i>	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
<i>Callophrys grynea</i>	YELL: 3 mi NE of Havana	22-Aug-99	R/E
<i>Callophrys henrici turneri</i>	SEVIER: 2 mi SW of Horatio	19-Apr-99	R/E
<i>Callophrys henrici turneri</i>	POLK: Bard Spring	19-Apr-99	R/E
<i>Strymon melinus</i>	LITTLE RIVER: 9 mi S of Foreman	19-Apr-99	R/E
<i>Strymon melinus</i>	HEMPSTEAD: 1 mi N of Fulton	30-Apr-99	R/E
<i>Strymon melinus</i>	MONTGOMERY: 1 mi NW of Albert Pike cpgd	30-Apr-99	R/E
<i>Strymon melinus</i>	LOGAN: Magazine Mountain	15-May-99	R/E
<i>Strymon melinus</i>	SEVIER: 16 mi ENE of De Queen	16-May-99	R/E
<i>Strymon melinus</i>	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
<i>Strymon melinus</i>	PERRY: 9 mi NW of Jessieville	17-Jul-99	R/E
<i>Strymon melinus</i>	CLARK: 3 mi NE of Amity	18-Jul-99	R/E
<i>Strymon melinus</i>	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
<i>Strymon melinus</i>	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
<i>Strymon melinus</i>	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
<i>Strymon melinus</i>	YELL: 3 mi NE of Havana	22-Aug-99	R/E
<i>Strymon melinus</i>	SCOTT: 10 mi NW of Waldron	02-Oct-99	REB
<i>Hemiargus isola alce</i>	YELL: 3 mi SE of Aly	18-Apr-99	R/E
<i>Hemiargus isola alce</i>	SALINE: 7.5 mi NE of Jessieville	18-Apr-99	R/E
<i>Hemiargus isola alce</i>	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
<i>Hemiargus isola alce</i>	LITTLE RIVER: 9 mi S of Foreman	19-Apr-99	R/E
<i>Hemiargus isola alce</i>	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
<i>Hemiargus isola alce</i>	POLK: Tall Peak	15-May-99	R/E
<i>Hemiargus isola alce</i>	HOWARD: 2 mi S of Umpire	16-May-99	R/E
<i>Hemiargus isola alce</i>	SEVIER: 16 mi ENE of De Queen	16-Aug-99	R/E
<i>Everes comyntas</i>	SCOTT: Lake Hinkle nr Waldron	13-Apr-99	RRS
<i>Everes comyntas</i>	PIKE: 1 mi S of Kirby	17-Apr-99	R/E
<i>Everes comyntas</i>	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
<i>Everes comyntas</i>	SALINE: 7.5 mi NE of Jessieville	18-Apr-99	R/E
<i>Everes comyntas</i>	YELL: 3 mi SE of Aly	18-Apr-99	R/E
<i>Everes comyntas</i>	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
<i>Everes comyntas</i>	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
<i>Everes comyntas</i>	MONTGOMERY: nr Albert Pike cpgd	16-May-99	CSC
<i>Everes comyntas</i>	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
<i>Everes comyntas</i>	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
<i>Everes comyntas</i>	SEVIER: 16 mi ENE of De Queen	01-Oct-99	R/E
<i>Celastrina ladon</i>	YELL: 3 mi NW of Waltreak	01-May-99	R/E
<i>Celastrina ladon</i>	SALINE: 8 mi NE of Jessieville	15-May-99	R/E
<i>Celastrina ladon</i>	MONTGOMERY: nr Albert Pike cpgd	16-May-99	CSC
<i>Celastrina ladon</i>	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
<i>Celastrina ladon</i>	PIKE: 2 mi SW of Murfreesboro	01-Aug-99	R/E
<i>Celastrina neglecta</i>	PERRY: 3.5 mi NW of Jessieville	18-Apr-99	R/E
STATE RECORD ?; univoltine in spring only (CWB)			
<b>RIODINIDAE</b>			
<i>Calephelis borealis</i>	GARLAND: 2 mi NW of Percy	01-Aug-99	R/E
<b>NYMPHALIDAE</b>			
<i>Libytheana bachmanii</i>	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
<i>Libytheana bachmanii</i>	MONTGOMERY: 11 mi N of Langley	30-Apr-99	R/E
<i>Libytheana bachmanii</i>	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
<i>Libytheana bachmanii</i>	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
<i>Libytheana bachmanii</i>	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
<i>Libytheana bachmanii</i>	SEVIER: 16 mi ENE of DeQueen	16-May-99	R/E
<i>Libytheana bachmanii</i>	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
<i>Agraulis vanillae incarnata</i>	LITTLE RIVER: 3 mi S of Ogdan	01-Oct-99	R/E
<i>Agraulis vanillae incarnata</i>	LOGAN: 2 mi W of Magazine	02-Oct-99	R/E
<i>Agraulis vanillae incarnata</i>	LAFAYETTE: Buckner	03-Oct-99	R/E
<i>Polygonia interrogationis</i>	MONTGOMERY: 7 mi NE of Glenwood	22-Feb-96	R/E



Polygonia interrogationis leg. Ray Brown	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Polygonia interrogationis	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Polygonia interrogationis	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
Polygonia interrogationis	LAFAYETTE: 8 mi NW of Lewisville	18-Jul-99	R/E
Polygonia interrogationis	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Polygonia comma	SEVIER: 16 mi ENE of DeQueen	16-May-99	R/E
Polygonia comma	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Polygonia comma	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Polygonia comma	LAFAYETTE: Buckner	03-Oct-99	R/E
Vanessa virginienensis	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Vanessa virginienensis	MONTGOMERY: 11 mi N of Langley	18-Apr-99	R/E
Vanessa virginienensis	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Vanessa atalanta rubria	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Vanessa atalanta rubria	LAFAYETTE: 8 mi NW of Lewisville	18-Jul-99	R/E
Vanessa atalanta rubria	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Vanessa atalanta rubria	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Vanessa atalanta rubria	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
Vanessa atalanta rubria	MONTGOMERY: nr Albert Pike cpgd	20-Aug-99	R/E
Junonia coenia	MONTGOMERY: 7 mi NE of Glenwood	17-Apr-99	R/E
Junonia coenia	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Junonia coenia	SCOTT: SW of Waldron	26-May-99	REB
Junonia coenia	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Junonia coenia	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Euptoieta claudia	SCOTT: Lake Hinkle nr Waldron	13-Apr-99	RRS
Euptoieta claudia	MONTGOMERY: 4 mi NE of Glenwood	17-Apr-99	R/E
Euptoieta claudia	LITTLE RIVER: 9 mi S of Foreman	19-Apr-99	R/E
Euptoieta claudia	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Euptoieta claudia	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Speyeria cybele	GARLAND: 5 mi NW of Jessieville	15-May-99	R/E
Phyciodes phaon	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Phyciodes phaon	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
Phyciodes phaon	MONTGOMERY: nr Albert Pike cpgd	20-Aug-99	R/E
Phyciodes phaon	SCOTT: Waldron area	02-Oct-99	DCR
Phyciodes tharos	HOWARD: 7 mi W of Umpire	19-Apr-99	R/E
Phyciodes tharos	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Phyciodes tharos	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
Chlosyne gorgone	SCOTT: 6 mi S of Waldron	12-Apr-99	RRS
Chlosyne gorgone	GARLAND: 5 mi NW of Jessieville	18-Apr-99	R/E
Chlosyne nycteis	SCOTT: 8 mi SE of Booneville	01-May-99	R/E
Chlosyne nycteis	HOT SPRINGS: 2 mi S of Bonnerdale	14-May-99	R/E
Chlosyne nycteis	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
Chlosyne nycteis	GARLAND: 2 mi NW of Pearcy	01-Aug-99	R/E
Chlosyne nycteis	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Limenitis arthemis astyanax	SCOTT: SW of Waldron	27-Apr-99	HW1
Limenitis arthemis astyanax	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Limenitis arthemis astyanax	MONTGOMERY: 11 mi N of Langley	30-Apr-99	R/E
Limenitis arthemis astyanax	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Limenitis arthemis astyanax	GARLAND: 5 mi NW of Jessieville	02-May-99	R/E
Limenitis arthemis astyanax	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Limenitis arthemis astyanax	NEVADA: 17 mi ENE of Prescott	18-Jul-99	R/E
Limenitis arthemis astyanax	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Limenitis archippus	HOWARD: 2 mi S of Shady Lake	16-May-99	R/E
Limenitis archippus	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Limenitis archippus	MONTGOMERY: 1 mi N of Welsh	22-Aug-99	R/E
Limenitis archippus	SEBASTIAN: 3 mi SW of Hartford	02-Oct-99	R/E
Anaea andria	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
Anaea andria	MONTGOMERY: 5 mi NE of Glenwood	14-May-99	R/E
Asterocampa celtis	SEVIER: 16 mi ENE of DeQueen	16-May-99	R/E
Asterocampa celtis	SEBASTIAN: 6 mi E of Hartford	02-Oct-99	R/E
Asterocampa celtis	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Asterocampa celtis	HOT SPRINGS: 3 mi S of Point Cedar	03-Oct-99	R/E
Asterocampa clyton	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Asterocampa clyton	MONTGOMERY: 9 mi NE of Glenwood	01-Aug-99	R/E
Asterocampa clyton	HOWARD: 1 mi W of Athens	20-Aug-99	R/E
Asterocampa clyton	NEVADA: 8 mi N of Pleasant Hill	22-Aug-99	R/E
Asterocampa clyton	SCOTT: Waldron area	08-Oct-99	HW1

Enodia portlandia	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
Enodia portlandia	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Enodia portlandia missarkae	SEVIER: 16 mi ENE of DeQueen	16-Aug-99	R/E
Enodia anthedon	MONTGOMERY: 4 mi E of Albert Pike	16-May-99	R/E
Enodia anthedon	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Enodia anthedon	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
Enodia anthedon	GARLAND: 2 mi NW of Pearcy	01-Aug-99	R/E
Enodia anthedon	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Enodia creola	HOWARD: 4 mi SW of Dierks	30-Jul-99	R/E
Enodia creola	SEVIER: 16 mi ENE of DeQueen	16-Aug-99	R/E
Enodia creola	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Cyllopsis gemma	SCOTT: SW of Waldron	12-Apr-99	R/R
Cyllopsis gemma	GARLAND: 1.5 mi N of Bonnerville	17-Apr-99	R/E
Cyllopsis gemma	MONTGOMERY: 1 mi NW of Albert Pike cpvg	30-Apr-99	R/E
Cyllopsis gemma	HOWARD: 4 mi SW of Dierks	16-Jul-99	R/E
Cyllopsis gemma	LOGAN: nr Jack Creek	31-Jul-99	R/E
Cyllopsis gemma	SEBASTIAN: 8 mi SE of Hartford	31-Jul-99	R/E
Cyllopsis gemma	LITTLE RIVER: 2 mi NE of Fomby	01-Aug-99	R/E
Cyllopsis gemma	SEVIER: 16 mi ENE of DeQueen	16-Aug-99	R/E
Cyllopsis gemma	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Hermeuptychia hermes	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Hermeuptychia hermes	SCOTT: Waldron area	20-Aug-99	HW1
Hermeuptychia sosybius	LOGAN: 7 mi SE of Booneville	01-May-99	R/E
Hermeuptychia sosybius	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
Hermeuptychia sosybius	GARLAND: 5 mi NW of Jessieville	02-May-99	R/E
Hermeuptychia sosybius	NEVADA: 17 mi NE of Prescott	18-Jul-99	R/E
Hermeuptychia sosybius	LITTLE RIVER: 2 mi NE of Fomby	01-Aug-99	R/E
Hermeuptychia sosybius	HEMPSTEAD: 3 mi S of Pisgah	22-Aug-99	R/E
Megisto cymela	SEVIER: 2 mi SW of Horatio	19-Apr-99	R/E
Megisto cymela	HOWARD: 6 mi S of Umpire	30-Apr-99	R/E
Megisto cymela	LOGAN: 8 mi NE of Waldron	01-May-99	R/E
Megisto cymela	SEBASTIAN: 3 mi S of Mansfield	01-May-99	R/E
Megisto cymela	HOT SPRINGS: 10 mi S of Hot Springs	02-May-99	R/E
Megisto cymela	LITTLE RIVER: 6 mi N of Cross Roads	16-May-99	R/E
Cercyonis pegala	HOT SPRINGS: 1 mi N of Bonnerdale	18-Jul-99	R/E
Cercyonis pegala	SCOTT: 6 mi S of Waldron	09-Aug-99	HW1
Cercyonis pegala	SEBASTIAN: 3 mi SW of Hartford	02-Oct-99	R/E
Danaus plexippus	HOWARD: 2 mi W of Athens	20-Aug-99	R/E
Danaus plexippus	NEVADA: 17 mi NE of Prescott	03-Oct-99	R/E
Danaus plexippus	LAFAYETTE: Buckner	03-Oct-99	R/E

## LOUISIANA

### Butterflies

#### NYMPHALIDAE

Anartia jatrophae guantanamo	LAFOURCHE: Golden Meadow	15-Nov-99 - 02-Dec-99	MTL
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STATE RECORD; female seen ovipositing on Bacopa sp.

### Moths

#### SPHINGIDAE

Eumorpha intermedia	East Baton Rouge: Baton Rouge	04-Jul-99	JPT
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ova & 2nd instar larva on Ampelopsis arborea (first recorded food plant)

## OKLAHOMA

Conaway and Nelson (C/N) sent a large number of records for the state. Included were 2 STATE RECORDS and 171 COUNTY RECORDS for butterflies, and 27 COUNTY RECORDS for moths.

### Butterflies

#### HESPERIIDAE

Epargyreus clarus	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
Thorybes bathyllus	ROGER MILLS: Spring Creek Lake Recreation Area	19-May-99	C/N
Thorybes bathyllus	NOBLE: west side of Lake McMurtry	24-May-99	JMN
Thorybes bathyllus	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
Thorybes bathyllus	LATIMER: Yourman WFA	17-Jun-99	C/N
Thorybes bathyllus	JOHNSTON: Pontotoc	12-Jul-99	C/N
Thorybes bathyllus	WASHINGTON: Lake Copan, Osage Plains Area	14-Jul-99	JMN
Thorybes bathyllus	LOGAN: Langston Lake	22-Jul-99	JMN
Thorybes pylades	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
Thorybes pylades	BRYAN: Lake Texhoma - Willow Springs Park	12-Jul-99	C/N

Staphylus hayhurstii	LINCOLN: Baker wetland, 4 mi S of Chandler	19-Apr-99	WG
Erynnis horatius	BLAINE: Roman Nose SP	24-May-99	JMN
Erynnis martialis	NOBLE: west side of Lake McMurtry	24-May-99	JMN
Erynnis martialis	BLAINE: Roman Nose SP	24-May-99	JMN
Erynnis funeralis	ROGER MILLS: Spring Creek Lake Recreation Area	19-May-99	C/N
Erynnis funeralis	HARMON: Hall Lake	03-Aug-99 - 04-Aug-99	JMN
Erynnis baptisiae	NOBLE: Perry Municipal Park	15-Jun-99	C/N
Erynnis baptisiae	NOWATA: NE of Lenapah along SR 10	29-Jun-99	JMN
Erynnis baptisiae	BRYAN: Lake Texhoma - Willow Springs Park	12-Jul-99	C/N
Pyrgus communis	LATIMER: Yourman WFA	17-Jun-99	C/N
Pyrgus communis	WASHITA: Crowder Lake SP	08-Jul-99	C/N
Pyrgus communis	COTTON: Dave Boyer Lake nr Walters	09-Jul-99	C/N
Pholisora catullus	CUSTER: 3 mi E of Weatherford	08-Jul-99	C/N
Pholisora catullus	WASHITA: Clinton Lake	04-Aug-99	JMN
Lerema accius	CRAIG: Ketchum	12-Aug-99	JMN
Lerema accius	PAYNE: Stillwater	22-Aug-99	WG
Ancyloxypha numitor	CRAIG: 1 mi NE of Vinita	09-Jun-99	C/N
Ancyloxypha numitor	WASHINGTON: Lake Copan, Osage Plains Area	14-Jul-99	JMN
Copaeodes minimus	TILLMAN: west end of Lake Frederick	03-Aug-99	JMN
only second capture in the state			
Hylephila phyleus	BLAINE: Roman Nose SP	24-May-99	JMN
Hylephila phyleus	CRAIG: 1 mi NE of Vinita	09-Jun-99	C/N
Hylephila phyleus	ADAIR: Watts, Lake Frances	11-Jun-99	C/N
Hylephila phyleus	OKFUSKEE: Okemah Airport Lake	07-Jul-99	JMN
Hylephila phyleus	COTTON: Dave Boyer Lake nr Walters	09-Jul-99	C/N
Hylephila phyleus	BRYAN: Lake Texhoma - Willow Springs Park	12-Jul-99	C/N
Hylephila phyleus	WASHINGTON: Lake Copan, Osage Plains Area	14-Jul-99	JMN
Hylephila phyleus	TILLMAN: west end of Lake Frederick	03-Aug-99	JMN
Hylephila phyleus	MAYES: Langley	12-Aug-99	JMN
Hylephila phyleus	PAYNE: Stillwater	29-Aug-99	WG
Polites origenes	CRAIG: I-44 rest stop nr Vinita	13-Aug-99	JMN
Wallengrenia otho	HASKELL: Stigler Lake	26-Jun-99	JMN
Wallengrenia egeremet	MCCURTAIN: Beavers Bend SP	05-Jul-99	JMD
Pompeius verna	LEFLORE: Cucumber Creek Nature Preserve	04-Jul-99	CFC
STATE RECORD			
Anatrytone logan lagus	WASHITA: Clinton Lake	04-Aug-99	JMN
Anatrytone logan lagus	PAYNE: Stillwater	22-Aug-99	WG
Problema byssus	MAYES: Chouteau nr jct of SR412 & SR412B	11-Jun-99	C/N
Poanes zabulon	LINCOLN: Baker wetland, 4 mi S of Chandler	19-Apr-99	WG
Poanes zabulon	PAYNE: Stillwater	29-Aug-99	WG
Poanes yehl	LATIMER: Yourman WFA	17-Jun-99	C/N
Euphyes vestris	LATIMER: Yourman WFA	17-Jun-99	C/N
Atrytonopsis hianna	ROGER MILLS: Spring Creek Lake Recreation Area	19-May-99	C/N
Amblyscirtes nysa	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
Amblyscirtes nysa	CRAIG: Ketchum	12-Aug-99	JMN
Lerodea eufala	JOHNSTON: Pontotoc	12-Jul-99	C/N
Lerodea eufala	WASHINGTON: Lake Copan, Osage Plains Area	14-Jul-99	JMN
Lerodea eufala	KINGFISHER: Lake Elmer	22-Jul-99	JMN
Lerodea eufala	GREER: Sandy Sanders WMA	04-Aug-99	JMN
Lerodea eufala	CRAIG: Ketchum	12-Aug-99	JMN
Lerodea eufala	MAYES: Langley	12-Aug-99	JMN
Panoquina ocola	OSAGE: Tallgrass Prairie Preserve	24-Jul-99	WG
<b>PAPILIONIDAE</b>			
Papilio polyxenes	CRAIG: 1 mi NE of Vinita	09-Jun-99	C/N
Papilio polyxenes	TILLMAN: east end of Lake Frederick	09-Jul-99	C/N
Papilio glaucus	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
Eurytides marcellus	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
patrolling along road in the woods			
<b>PIERIDAE</b>			
Pontia protodice	BLAINE: Roman Nose SP	24-May-99	JMN
Colias philodice	LINCOLN: Baker wetland, 4 mi S of Chandler	19-Apr-99	WG
Phoebis sennae eubule	NOWATA: NE of Lenapah along SR 10	29-Jun-99	JMN
Phoebis sennae eubule	CREEK: Deepfork WMA, 1 mi E of SR 48	07-Jul-99	JMN
Phoebis sennae eubule	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N
Phoebis sennae eubule	TILLMAN: west end of Lake Frederick	03-Aug-99	JMN
Eurema lisa	NOWATA: NE of Lenapah along SR 10	29-Jun-99	JMN
Eurema lisa	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N

Eurema lisa	CUSTER: 3 mi E of Weatherford	08-Jul-99	C/N
Eurema lisa	TILLMAN: east end of Lake Frederick	09-Jul-99	C/N
Eurema lisa	COTTON: Dave Boyer Lake nr Walters	09-Jul-99	C/N
Eurema lisa	CANADIAN: Lake El Reno	22-Jul-99	JMN
Eurema lisa	KINGFISHER: Lake Elmer	22-Jul-99	JMN
Eurema lisa	GREER: Sandy Sanders WMA	04-Aug-99	JMN
Nathalis iole	KINGFISHER: Hajek Marsh WMA	24-May-99	JMN
Nathalis iole	CRAIG: 1 mi NE of Vinita	09-Jun-99	C/N
Nathalis iole	ADAIR: Watts, Lake Frances	11-Jun-99	C/N
Nathalis iole	OKLAHOMA: Oklahoma City	09-Jul-99	C/N
Nathalis iole	JOHNSTON: Pontotoc	12-Jul-99	C/N
Nathalis iole	MARSHALL: Madill City Lake	12-Jul-99	C/N
now known from all Oklahoma counties			
<b>LYCAENIDAE</b>			
Phaestrymon alcestis	GARFIELD: Enid, 3 mi NW on Ninemile Canyon Rd	15-Jun-99	C/N
Satyrium calanus falacer	OKFUSKEE: Henryetta-Nichols Park	18-May-99	JMN
Satyrium calanus falacer	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
Satyrium calanus falacer	CREEK: Lake Sahoma	14-Jun-99	JMN
Calycopis cecrops	CREEK: Lake Sahoma	14-Jun-99	JMN
Calycopis cecrops	CRAIG: Ketchum	12-Aug-99	JMN
Calycopis cecrops	PAYNE: Stillwater	29-Aug-99	WG
Callophrys grynea	LATIMER: Yourman WFA	17-Jun-99	C/N
Callophrys grynea	MCCURTAIN: Beavers Bend SP	05-Jul-99	JMD
Strymon melinus	HARMON: Hall Lake	03-Aug-99 - 04-Aug-99	JMN
Strymon istapa	HARMON: Hall Lake	03-Aug-99 - 04-Aug-99	JMN
STATE RECORD; specimen very worn and probably a stray			
Hemiargus ceraunus zachaeina	COTTON: Dave Boyer Lake nr Walters	09-Jul-99	C/N
STATE RECORD			
Hemiargus ceraunus zachaeina	TILLMAN: west end of Lake Frederick	03-Aug-99	JMN
only second county record			
Hemiargus isola alce	ADAIR: Watts, Lake Frances	11-Jun-99	C/N
Hemiargus isola alce	LATIMER: Yourman WFA	17-Jun-99	C/N
Hemiargus isola alce	MCINTOSH: Gentry Creek Cove Park	07-Jul-99	JMN
Hemiargus isola alce	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N
Hemiargus isola alce	BRYAN: Lake Texhoma - Willow Springs Park	12-Jul-99	C/N
Hemiargus isola alce	GREER: Sandy Sanders WMA	04-Aug-99	JMN
Everes comyntas	BECHKAM: Sayre City Park	04-Aug-99	JMN
Celastrina ladon	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
<b>RIODINIDAE</b>			
Calephelis virginienis	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
<b>NYMPHALIDAE</b>			
Libytheana carinenta	HASKELL: Eufala Lake dam site	17-Jun-99	C/N
Libytheana carinenta	MCINTOSH: Gentry Creek Cove Park	07-Jul-99	JMN
Agraulis vanillae incarnata	TILLMAN: west end of Lake Frederick	03-Aug-99	JMN
Agraulis vanillae incarnata	CRAIG: I-44 rest stop nr Vinita	13-Aug-99	JMN
Polygonia interrogationis	HASKELL: Stigler Lake	26-Jun-99	JMN
Polygonia interrogationis	COTTON: Dave Boyer Lake nr Walters	09-Jul-99	C/N
Polygonia interrogationis	BRYAN: Lake Texhoma - Willow Springs Park	12-Jul-99	C/N
Polygonia interrogationis	LINCOLN: Baker wetland, 4 mi S of Chandler	28-Jul-99	WG
Vanessa atalanta rubria	BLAINE: Roman Nose SP	24-May-99	JMN
Vanessa atalanta rubria	TILLMAN: east end of Lake Frederick	09-Jul-99	C/N
Vanessa atalanta rubria	WASHINGTON: Lake Copan, Osage Plains Area	14-Jul-99	JMN
Junonia coenia	STEPHENS: Comanche Lake	09-Jul-99	C/N
Euptoieta claudia	OKFUSKEE: Weleetka Lake	18-May-99	JMN
Euptoieta claudia	ADAIR: Watts, Lake Frances	11-Jun-99	C/N
Euptoieta claudia	GARFIELD: Enid, 3 mi NW on Ninemile Canyon Rd	15-Jun-99	C/N
Euptoieta claudia	NOBLE: Perry Municipal Park	15-Jun-99	C/N
Euptoieta claudia	HASKELL: Stigler Lake	26-Jun-99	JMN
now known from all Oklahoma counties			
Speyeria diana	LATIMER: north end of Robber's Cave SP	17-Jun-99	C/N
male visiting beebalm			
Anthanassa texana	OKLAHOMA: Oklahoma City	09-Jul-99	CFC
Phyciodes phaon	WASHITA: Crowder Lake SP	08-Jul-99	C/N
Phyciodes phaon	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
Phyciodes phaon	KINGFISHER: Lake Elmer	22-Jul-99	JMN
Phyciodes phaon	CANADIAN: Lake El Reno	22-Jul-99	JMN
Phyciodes phaon	BECHKAM: Sayre City Park	04-Aug-99	JMN

<i>Phyciodes tharos</i> now known from all Oklahoma counties	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N
<i>Phyciodes tharos</i>	JOHNSTON: Pontotoc	12-Jul-99	C/N
<i>Phyciodes vesta</i>	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N
<i>Chlosyne lactinia adjutrix</i>	BECHKAM: Sayre City Park	04-Aug-99	JMN
<i>Limenitis arthemis astyanax</i>	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
<i>Limenitis arthemis astyanax</i>	LATIMER: Yourman WFA	17-Jun-99	C/N
<i>Limenitis archippus</i>	CRAIG: 1 mi NE of Vinita	09-Jun-99	C/N
<i>Limenitis archippus</i>	COMANCHE: 6 mi S on CR from Indianhomia	03-Aug-99	JMN
<i>Anaea andria</i>	LINCOLN: Baker wetland, 4 mi S of Chandler	19-Apr-99	WG
<i>Anaea andria</i>	HARMON: Hall Lake	03-Aug-99 - 04-Aug-99	JMN
<i>Asterocampa celtis</i>	CREEK: Lake Sahoma	14-Jun-99	JMN
<i>Asterocampa celtis</i>	CUSTER: 3 mi E of Weatherford	08-Jul-99	C/N
<i>Hermempytchia sosybius</i>	CREEK: Deepfork WMA, 1 mi E of SR 48	07-Jul-99	JMN
<i>Megisto cymela</i>	BLAINE: Roman Nose SP	24-May-99	JMN
<i>Danaus gilippus strigosus</i>	GREER: Sandy Sanders WMA	04-Aug-99	JMN
<b>Moths</b>			
<b>GEOMETRIDAE</b>			
<i>Mellilla xanthometata</i>	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
<i>Semiothisa continuata</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Semiothisa cyda</i>	BECKHAM: Sandy Sanders WMA	19-May-99	C/N
<i>Leptostales rubromarginaria</i>	OTTAWA: 1 mi S of Peoria	09-Jun-99	C/N
<b>SATURNIIDAE</b>			
<i>Dryocampa rubicunda</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Antheraea polyphemus</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<b>SPHINGIDAE</b>			
<i>Smerinthus jamaicensis</i>	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
<i>Laothoe juglandis</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Hemaris diffinis</i>	JOHNSTON: Pontotoc	12-Jul-99	C/N
<i>Hyles lineata</i>	KIOWA: 4 mi SW of Lone Wolf	08-Jul-99	C/N
<b>NOTODONTIDAE</b>			
<i>Nadata gibbosa</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<b>ARCTIIDAE</b>			
<i>Spilosoma virginica</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Grammia oithona</i>	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
<i>Grammia arge</i>	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
<b>NOCTUIDAE</b>			
<i>Idia aemula</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Hypsoropha hormos</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Bulia deducta</i>	BECKHAM: Sandy Sanders WMA	19-May-99	C/N
<i>Allotria elonympha</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Caenurgia crassiuscula</i>	BECKHAM: Sandy Sanders WMA	19-May-99	C/N
<i>Mocis texana</i>	LATIMER: Robber's Cave SP	23-Apr-99 - 24-Apr-99	JMN
<i>Anagrapha falcifera</i>	BLAINE: Roman Nose SP	24-May-99	JMN
<i>Tarachidia semiflava</i>	NOBLE: west side of Lake McMurtry	24-May-99	JMN
<i>Acontia aprica</i>	NOBLE: west side of Lake McMurtry	24-May-99	JMN
<i>Euxoa auxiliaris</i>	BECKHAM: Sandy Sanders WMA	19-May-99	C/N
<i>Heliocheilus paradoxus</i> common on <i>Gaillardia</i> sp.	KINGFISHER: Hajek Marsh WMA	24-May-99	JMN
<i>Schinia tanena</i> common on <i>Gaillardia</i> sp.	KINGFISHER: Hajek Marsh WMA	24-May-99	JMN
<i>Schinia jaguarina</i>	KIOWA: Mountain Park WMA, 3 mi S of Roosevelt	08-Jul-99	C/N
<i>Schinia jaguarina</i>	GREER: Sandy Sanders WMA	04-Aug-99	JMN

## TEXAS

Bordelon (CWB) reported a dry spring and fall, and a wet summer. Late fall and winter temperatures were well above average. The reports included 4 U.S. RECORDS and 17 STATE RECORDS. There were 103 COUNTY RECORDS for butterflies, and 89 COUNTY RECORDS for moths.

## Butterflies

### HESPERIIDAE

<i>Aguna asander</i>	UVALDE: Concan	15-Jul-99	DXC
<i>Aguna asander</i>	Hidalgo: Relampago	08-Aug-99	CRS
<i>Urbanus proteus</i>	ANGELINA: 14 mi SE of Zavalla	15-Aug-99	R/E
<i>Urbanus proteus</i> leg. J.A. Neas	HARRISON: 2 mi N of Karnac	09-Nov-99	R/E
<i>Urbanus dorantes</i>	ANDERSON: 17.5 mi E of Palestine	24-Jul-99	R/E



Urbanus dorantes	NACOGDOCHES: Nacogdoches, SFASU campus	04-Aug-99		DCR
Urbanus tanna	Cameron: Brownsville	05-Nov-99	12-Nov-99	M/G
Astraptes fulgerator	Starr: Salineno	23-Oct-99		CRS
Astraptes fulgerator	Starr: Santa Margarita	13-Nov-99		CRS
Achalarus toxeus	MEDINA: Hondo Creek	31-Jul-99		B/K
Achalarus toxeus	San Patricio: Lake Corpus Christi SP	31-Oct-99		B/K
Thorybes pylades	KINNEY: Brackettville	31-Jul-99		B/K
Systasea zampa	Presidio: Madera Creek	14-Oct-99		B/K
Grais stigmatica	Uvalde: Concan	01-Sep-99		DXC
Gesta gesta invisus	KINNEY: Brackettville	31-Jul-99		B/K
Gesta gesta invisus	Kinney: Pinto Creek	31-Jul-99		B/K
Erynnis juvenalis	FRANKLIN: 1 mi NW of New Hope	28-Feb-99		R/E
Erynnis funeralis	ANGELINA: 8.5 mi SE of Zavalla	24-Apr-99		R/E
Erynnis funeralis	BOWIE: Texarkana	16-Jul-99		R/E
Erynnis funeralis	FORT BEND: Brazos River	23-Jul-99		ECK
Pyrgus oileus	BASTROP: Bastrop SP	18-Feb-99		B/K
Pyrgus oileus	SHELBY: Center	28-Jul-99		DCR
Pyrgus oileus	CAMP: 4 mi E of Pittsburg	16-Oct-99		R/E
Pyrgus oileus very late record	San Augustine: 2 mi N of Norwood, Angelina NF	04-Dec-99		B/K
Heliopetes macaira	BASTROP: Bastrop SP	18-Feb-99		B/K
Celotes nessus	FRIO: 3 mi W of Moore	21-Mar-99		JFD
Piruna pirus	JEFF DAVIS: Mt. Livermore	06-Aug-99		B/K
	STATE RECORD; first specimen leg. C. Durden at Limpia Creek (no date); confirmed by C. Sexton photos at Tobe Canyon			
Piruna polingii	JEFF DAVIS: Mt. Livermore	17-Jul-99	06-Aug-99	B/K
	STATE RECORD; photos by C. Sexton			
Decinea percusius	Cameron: Santa Maria NWR	09-Mar-99		B/K
Ancyloxypha arene	Val Verde: Del Rio	22-May-99		B/K
Ancyloxypha arene	KINNEY: Pinto Creek	14-Aug-99		B/K
Noctuana stator	HIDALGO: Santa Anna NWR	23-Oct-99		ADW
	U.S. RECORD; ID'd by ADW from photos by Bob Stewart			
Copaeodes minimus	KINNEY: Brackettville	31-Jul-99		B/K
Hylephila phyleus	GONZALES: Palmetto SP	19-Feb-99		B/K
Hylephila phyleus	KINNEY: Brackettville	31-Jul-99		B/K
Polites vibex	KINNEY: Brackettville	31-Jul-99		B/K
Atalopedes campestris	GONZALES: Palmetto SP	19-Feb-99		B/K
Poanes yehl	SAN JACINTO: 2.5 mi N of Evergreen	23-May-99		R/E
Poanes viator	NACOGDOCHES: Nacogdoches, SFASU campus	07-May-99		DCR
Amblyscirtes celia	KINNEY: Brackettville	31-Jul-99		B/K
Amblyscirtes celia	MEDINA: Hondo Creek	31-Jul-99		B/K
Lerodea eufala	WILLACY: 5 mi N of Raymondville	13-Mar-99		B/K
Lerodea eufala	KINNEY: Brackettville	31-Jul-99		B/K
Panoquina ocola	MEDINA: Hondo Creek	31-Jul-99		B/K
Panoquina fusina	Hidalgo: Rio Rico Rd	05-Nov-99	12-Nov-99	M/G
	needs verification (CWB)			
Nyctelius nyctelius	Hidalgo: Rio Rico Rd	05-Nov-99	12-Nov-99	M/G
Megathymus yuccae reinthali	BASTROP: Bastrop SP	18-Feb-99		B/K
<b>PAPILIONIDAE</b>				
Battus polydamas	Starr: Roma	11-Jul-99		B/K
Battus polydamas	Cameron: Brownsville	05-Nov-99	12-Nov-99	M/G
Papilio polyxenes asterius	GONZALES: Palmetto SP	14-May-99		B/K
Papilio cresphontes	ROBERTSON: Calvert	18-Jun-99		B/K
Papilio ornythion	Starr: Roma	16-May-99		CRS
Papilio ornythion	Starr: Salineno	16-May-99		CRS
Papilio glaucus	KENEDY: 5 mi S of Armstrong	19-Apr-99		B/K
Eurytides marcellus	CHEROKEE: 7 mi E of Alto	09-Apr-99		RRS
<b>PIERIDAE</b>				
Appias drusilla neumoenii	Hidalgo: Yturria Brush NWR	08-Mar-99		B/K
Appias drusilla neumoenii	Cameron: Santa Maria NWR	10-Mar-99		B/K
Appias drusilla neumoenii	WALKER: 7 mi WSW of New Waverly	08-Apr-99		RRS
Pontia protodice	HOUSTON: Crockett	21-Jul-99		R/E
Ascia monuste	VAL VERDE: Del Rio	14-Aug-99		CWB
Ganyra josephina josepha	Hidalgo: El Zacatal	15-May-99		CRS
Anthocharis mideia	LIBERTY: 1 mi S of Cleveland	11-Feb-99		DCR
Anthocharis mideia	WOOD: 5 mi S of Quitman	28-Feb-99		R/E
Anthocharis mideia	FRIO: 3 mi W of Moore	21-Mar-99		JFD
Zerene cesonia	SHELBY: Timpson	17-Mar-99		DCR

Zerene cesonia	HARRISON: 4.5 mi S of Darco	16-Oct-99	R/E
Zerene cesonia	MARION: 6 mi S of Smithland	16-Oct-99	R/E
Anteos clorinde nivifera	Cameron: Rio Hondo	15-May-99	CRS
Anteos maerula	Hidalgo: Yturria Brush NWR	08-Mar-99	B/K
Anteos maerula	Cameron: Santa Maria NWR	10-Mar-99 - 04-Nov-99	B/K
Anteos maerula	Starr: Roma	03-Apr-99	CRS
Phoebis philea	Hidalgo: Yturria Brush NWR	08-Mar-99	B/K
Phoebis philea	Cameron: Santa Maria NWR	10-Mar-99 - 12-Jul-99	B/K
Phoebis philea	Starr: Roma	03-Jul-99	CRS
Phoebis statira jada	Cameron: Santa Maria NWR	12-Jul-99	B/K
Eurema lisa	FALLS: nr. Reagan	18-Jun-99	B/K
Eurema dina westwoodi	CAMERON: Santa Maria NWR	15-Apr-99	CWB
Eurema nicippe	PRESIDIO: Madera Creek	14-Oct-99	B/K
Eurema दौरa lydia	Cameron: Santa Maria NWR	04-Nov-99	B/K
Eurema boisduvalianum abundant all year	Cameron: Santa Maria NWR	10-Mar-99 - 04-Nov-99	B/K
Eurema mexicanum	GONZALES: Palmetto SP	10-Apr-99	B/K
<b>LYCAENIDAE</b>			
Atlides halesus	BRAZOS: College Station	16-Feb-99	B/K
Chlorostrymon simaethis sarita	Cameron: Palmito Hill (USFWS)	11-Mar-99	B/K
Chlorostrymon simaethis sarita	Hidalgo: Pinetas	05-Nov-99 - 12-Nov-99	M/G
Chlorostrymon simaethis sarita	Starr: Penitas	13-Nov-99	CRS
Phaeostrymon alcestis	MEDINA: Hondo Creek	15-May-99	B/K
Satyrium calanus falacer	NACOGDOCHES: Nacogdoches, SFASU campus	07-May-99	DCR
Satyrium liparops strigosum	BASTROP: Bastrop SP	08-May-99	B/K
Ministrymon clytie	MEDINA: Hondo Creek	31-Jul-99	B/K
Calycopis cecrops	BRAZOS: College Station	16-Feb-99	B/K
Calycopis cecrops	GONZALES: Palmetto SP	19-Feb-99	B/K
Calycopis isobeon	KINNEY: Brackettville	31-Jul-99	B/K
Callophrys grynea	BRAZOS: College Station	16-Feb-99	B/K
Callophrys grynea	BASTROP: Bastrop SP	18-Feb-99	B/K
Callophrys grynea	GONZALES: Palmetto SP	19-Feb-99	B/K
Callophrys grynea	CAMP: 2 mi N of Pittsburg	28-Feb-99	R/E
Callophrys grynea	FRANKLIN: 1 mi NW of New Hope	28-Feb-99	R/E
Callophrys grynea	Brewster: Big Bend NP	17-May-99	B/K
Callophrys mcfarlandi	Brewster: Big Bend NP	17-May-99	B/K
Rekoa marius	Hidalgo: Madero	05-Nov-99 - 12-Nov-99	M/G
Fixsenia favonius	GUADALUPE: 2 mi S of Marion	11-Apr-99	B/K
Fixsenia favonius	ATASCOSA: 10 mi N of Pleasanton	13-Apr-99	B/K
Fixsenia favonius	BASTROP: Bastrop SP	08-May-99	B/K
Fixsenia polingi	Brewster: Big Bend NP	17-May-99	B/K
Strymon melinus	BRAZOS: College Station	16-Feb-99	B/K
Strymon melinus	FALLS: nr. Reagan	18-Jun-99	B/K
Strymon yojoa	STARR: Roma	02-Apr-99 - 04-Apr-99	CRS
Strymon alea	Comal: Panther Canyon	22-Jul-99	JFD
Strymon alea	Uvalde: Concan	01-Sep-99	DXC
Strymon alea	San Patricio: Lake Corpus Christi SP	31-Oct-99	B/K
Strymon istapa	WILLACY: 5 mi N of Raymondville	13-Mar-99	B/K
Strymon istapa	FRIO: 3 mi W of Moore	21-Mar-99	JFD
Strymon istapa	BROOKS: FM 755	03-Apr-99	CRS
Strymon istapa	KINNEY: Brackettville	31-Jul-99	B/K
Leptotes cassius	Brewster: Big Bend NP	17-May-99	B/K
Hemiargus ceraunus zachaeina	RUSK: 6 mi SE of Mt. Enterprise	14-Aug-99	DCR
Hemiargus ceraunus zachaeina	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Everes comyntas	LIBERTY: 3 mi S of Cleveland	10-Sep-99	DCR
<b>RIODINIDAE</b>			
Calephelis nemesis australis	FRIO: 3 mi W of Moore	21-Mar-99	JFD
Calephelis nemesis australis	BROOKS: FM 755	03-Apr-99	CRS
Calephelis perditalis	GONZALES: Palmetto SP	19-Feb-99	B/K
Calephelis perditalis	MEDINA: Hondo Creek	15-May-99	B/K
Calephelis rawsoni	MEDINA: Hondo Creek	15-May-99	B/K
Caria ino melicerta	BROOKS: FM 755	03-Apr-99	CRS
Emesis zela cleis	BREWSTER: Green Gulch, Big Bend NP	01-Sep-98	B/K
STATE RECORD; identification confirmed by B/K from photo by Ro Wauer			
Apodemia mormo duryi	Brewster: Big Bend NP; 15 mi E of Panther Junction	17-May-99 - 13-Aug-99	B/K
Apodemia palmerii	Brewster: Big Bend NP; 15 mi E of Panther Junction	13-Aug-99	B/K

**NYMPHALIDAE**

Libytheana carinenta	BRAZOS: College Station	16-Feb-99	B/K
Dione moneta poeyi	Starr: Fronton	23-Oct-99	CRS
Dione moneta poeyi	Hidalgo: Valley Nature Center, Weslaco	05-Dec-99	CRS
Dryas iulia moderata	Cameron: Santa Maria NWR	09-Mar-99 - 04-Nov-99	B/K
Heliconius charitonius vazquezae	Cameron: Santa Maria NWR	09-Mar-99	B/K
Heliconius charitonius vazquezae	Starr: Roma	03-Jul-99	CRS
Polygonia interrogationis	TRINITY: 4 mi S of Trinity	23-May-99	R/E
Polygonia interrogationis	FALLS: nr. Reagan	18-Jun-99	B/K
Polygonia comma	JASPER: 17 mi N of Jasper	23-Apr-99	DCR
Nymphalis antiopa	SAN PATRICIO: Lake Corpus Christi SP	31-Oct-99	CWB
Nymphalis antiopa	Hidalgo: Yturria Brush NWR	02-Nov-99	CWB
a rare straggler in extreme south Texas			
Vanessa cardui	CASS: 4 mi NW of Dalton	31-Oct-99	R/E
Vanessa atalanta rubria	BASTROP: Bastrop SP	18-Feb-99	B/K
Vanessa atalanta rubria	CAMP: 2 mi N of Pittsburg	28-Feb-99	R/E
Vanessa atalanta rubria	PANOLA: 12 mi W of Marshall	07-May-99	R/E
Junonia nigrosuffusa	Cameron: Boca Chica NWR	11-Mar-99	B/K
fairly common around black mangroves (Avicennia germinans)			
Junonia nigrosuffusa	San Patricio: Sinton	19-Apr-99	B/K
Junonia nigrosuffusa	PRESIDIO: Madera Creek	14-Oct-99	B/K
Anartia fatima	Starr: Roma	16-May-99	CRS
Anartia fatima	Starr: Santa Margarita	23-Oct-99	CRS
Siproeta stelenes biplagiata	Starr: Penitas	23-Oct-99	CRS
Siproeta stelenes biplagiata	Starr: Santa Margarita	13-Nov-99	CRS
Euptoieta claudia	WILLACY: 5 mi N of Raymondville	13-Mar-99	B/K
Anthanassa texana	CAMP: 4 mi E of Pittsburg	16-Oct-99	R/E
Phyciodes phaon	CASS: 15 mi SW of Linden	16-Oct-99	R/E
Phyciodes tharos	ROBERTSON: Calvert	18-Jun-99	B/K
Phyciodes tharos	FALLS: nr. Reagan	18-Jun-99	B/K
Chlosyne nycteis	Caldwell: Luling	10-Apr-99	B/K
Chlosyne nycteis	Gonzales: Palmetto SP	10-Apr-99	B/K
Chlosyne janais	Hidalgo: Mission	07-Aug-99	CRS
Dymasia dymas	REAL: 10 mi SE of Leakey	04-Jul-99	JFD
Dymasia dymas	Brewster: Big Bend NP; 15 mi E of Panther Junction	13-Aug-99	B/K
Texola elada ulrica	FRIO: 3 mi W of Moore	21-Mar-99	JFD
Limnitis archippus	MARION: 6 mi S of Smithland	16-Oct-99	R/E
Limnitis archippus watsoni	FORT BEND: Brazos River	23-Jul-99	ECK
Limnitis archippus watsoni	San Patricio: Lake Corpus Christi SP	31-Oct-99	B/K
Adelpha fessonia	Starr: Roma	28-Aug-99	CRS
Myscelia ethusa	Hidalgo: Bentsen SP	09-Mar-99	B/K
Myscelia ethusa	Starr: Roma	17-May-99 - 28-Aug-99	CRS
Dynamine dyonis	Cameron: Sabal Palm Grove Sanctuary	30-Sep-99	B/E
Mestra amymone	Kinney: Pinto Creek	31-Jul-99	B/K
Mestra amymone	JASPER: 2 mi N of Ebenezer	18-Aug-99	CSC
Mestra amymone	ANGELINA: 14 mi SE of Zavalla	18-Aug-99	CSC
Mestra amymone	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Mestra amymone	JASPER: Ebenezer Park	24-Sep-99	B/E
Biblis hyperia aganisa	Starr: Roma	28-Aug-99	CRS
Biblis hyperia aganisa	Hidalgo: Rio Rico Rd	05-Nov-99 - 12-Nov-99	M/G
Hamadryas februa	Starr: Roma	28-Aug-99	CRS
Historis odius	CAMERON: Santa Maria NWR	12-Jul-99	CWB
STATE RECORD			
Memphis pithyusa	STARR: Roma	28-Aug-99	CRS
photographed by Phil Schappert; confirms old sight record			
Asterocampa celtis	FALLS: nr. Reagan	18-Jun-99	B/K
Asterocampa celtis	ROBERTSON: Calvert	18-Jun-99	B/K
Asterocampa clyton	SABINE: Milan	29-Jul-99	RRS
Megisto rubricata smithorum	Brewster: Big Bend NP	17-May-99	B/K
Cercyonis pegala	ANDERSON: Gus Engling WMA	10-Jun-99	CSC
Danaus eresimus montezuma	San Patricio: Lake Corpus Christi SP	31-Oct-99	B/K

**Moths**

**PSYCHIDAE**

Oiketicus townsendi dendrokomos	Jeff Davis: Davis Mountains SP	19-May-99	CWB
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**COSMOPTERIGIDAE**

Euclimensia schwarziella	MEDINA: Castroville	14-May-99	ECK
STATE RECORD			

**GELECHIIDAE**

Gnorimoschema gallaesolidaginis	Bastrop: Bastrop SP	27-Nov-99	B/K
Chionodes kincaidella	CAMERON: Boca Chica NWR	16-Jul-99	ECK

**PLUTELLIDAE**

Elabella melanoclista	Uvalde: Concan	12-Jan-99	B/K
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**YPONOMEUTIDAE**

Orinympa aetherias	Uvalde: Concan	12-Jan-99	B/K
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**ARGYRESTHIIDAE**

Argyresthia austerella	BREWSTER: Big Bend NP; Green Gulch	17-May-99	ECK
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**HELIODINIDAE**

Heliodines tripunctella	HIDALGO: Yturria Brush NWR	08-Mar-99	ECK
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**SESIIDAE**

Zenodoxus palmii	Cameron: Boca Chica NWR	12-Mar-99 - 16-Jul-99	B/K
Zenodoxus rubens	PRESIDIO: Marfa	14-Oct-99	B/K

**ZZA**

Paranthrene simulans	GONZALEZ: Palmetto SP	14-May-99	B/K
Vitacea admiranda	GONZALEZ: Palmetto SP	14-May-99	B/K
Vitacea admiranda	MEDINA: D'hanis	15-May-99	B/K
Vitacea admiranda	VAL VERDE: Del Rio	22-May-99	B/K
Vitacea admiranda	BRAZOS: College Station	18-Jun-99	B/K
Vitacea admiranda	LIMESTONE: Mexia	19-Jun-99	B/K
Vitacea admiranda	GRIMES: Navasota	20-Jun-99	B/K
Vitacea admiranda	MEDINA: Hondo Creek	31-Jul-99	B/K
Vitacea polistiformis	BEXAR: San Antonio	17-May-99	JFD

Euhagena nebraskae	JEFF DAVIS: 8 mi W of Fort Davis	03-Oct-99 - 04-Oct-99	B/K
STATE RECORD; attracted to 1:1 ZZA/EZ2 pheromone trap from 1330-1530 hrs			

Melittia calabaza	BEXAR: San Antonio	05-Jun-99	JFD
ex larva on Cucurbita foetidissima			

Melittia snowii	MEDINA: Hondo Creek	15-May-99 - 31-Jul-99	B/K
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Melittia snowii	BEXAR: San Antonio	24-May-99	JFD
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Melittia grandis	MEDINA: Hondo Creek	05-May-99	JFD
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Melittia grandis	BEXAR: San Antonio	13-May-99 - 30-May-99	JFD
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Tirista praxila	Cameron: Santa Maria NWR	15-Jul-99 - 04-Nov-99	B/K
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Osminia ruficornis	HIDALGO: Madero	16-Nov-98	CWB
STATE RECORD; female taken on Heliotropis blossom (tentative ID by Eichlin)			

Synanthedon scitula	BRAZOS: College Station	16-Aug-99	B/K
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Synanthedon rubrofascia	BRAZOS: College Station	16-Aug-99	B/K
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Synanthedon sapygaeformis	FORT BEND: Sugarland	25-Jul-99 - 10-Oct-99	ECK
fairly common around live oaks			

Podosesia syringae	Jefferson: Beaumont	25-May-99	CWB
female captured while ovipositing on Fraxinus pennsylvanicus which is introduced in SE Texas			

Carmenta albociliata	Cameron: Audubon Palm Grove	16-Apr-99 - 15-Jul-99	B/K
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Carmenta arizonae	Brewster: Big Bend NP; Green Gulch	19-May-99 - 11-Aug-99	B/K
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Carmenta odda	Jefferson: Beaumont	14-Mar-99 - 12-Oct-99	CWB
ZZA; very early and late records			

Carmenta subaerea	BREWSTER: Big Bend NP; Green Gulch	11-Aug-99 - 05-Oct-99	B/K
STATE RECORD			

Carmenta verecunda	Jeff Davis: Davis Mountains SP	21-May-99 - 10-Aug-99	B/K
EZ, ODDA - ZZ, ODDA 1:1			

**COSSIDAE**

Inguomorpha basalis	GONZALEZ: Palmetto SP	10-Apr-99	B/K
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Miacora perplexa	Jeff Davis: Davis Mountains SP	19-May-99 - 20-May-99	B/K
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**TORTRICIDAE**

Eucosma atascosana	CAMERON: Boca Chica NWR	06-Nov-99	B/K
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**ZYGAENIDAE**

Harrisina coracina	GUADALUPE: 2 mi S of Marion	11-Apr-99	B/K
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Neoillibris kendalli	GUADALUPE: 2 mi W of Marion	11-Apr-99	B/K
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**PYRALIDAE**

Pseudoschinia elautalis	HIDALGO: Yturria Brush NWR	14-Apr-99	ECK
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Hellula kempae	CAMERON: Boca Chica NWR	12-Mar-99 - 16-Jul-99	B/K
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Dicymolomia grisea	CAMERON: Boca Chica NWR	12-Mar-99	ECK
STATE RECORD			

Loxostege albiceralis	LASALLE: vic of Fowlerton	14-Sep-99	JFD
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Protasia mirabilicornella	CAMERON: Santa Maria NWR	06-Nov-99	B/K
STATE RECORD			

La cerveza recently described from Big Bend NP by B. Landry	Brewster: Green Gulch, Big Bend NP	17-May-99	ECK
Argyria rufisignella	JEFF DAVIS: Davis Mountains SP	10-Aug-99	ECK
<b>GEOMETRIDAE</b>			
Narraga fimetaria	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Glena macdunnougharia kirkwoodaria	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	19-May-99 - 10-Aug-99	B/K
STATE RECORD			
Exelis ophiurus	HIDALGO: Yturria Brush NWR	08-Mar-99	ECK
Parapheromia lichenaria	Jeff Davis: Davis Mountains TNC Preserve, 7500'	09-Aug-99	ECK
Melanochroia chephise	Cameron: Santa Maria NWR	16-Apr-99	B/K
Galenara lixarioides also EHM	Jeff Davis: Davis Mountains TNC Preserve, 7500'	09-Aug-99 - 10-Aug-99	B/K
Chloraspilates bicoloraria	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Caripeta aequaliaria also EHM	Jeff Davis: Davis Mountains TNC Preserve, 7500'	09-Aug-99 - 10-Aug-99	B/K
Eusarca geniculata	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
Sabulodes niveostriata STATE RECORD	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
Chlorosea roseitacta	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
Hethemia pistasciaria	BRAZOS: College Station	15-Feb-99	B/K
Monostochea semipectinata	BREWSTER: Big Bend NP; Green Gulch	17-May-99	ECK
STATE RECORD: nr. semipectinata but may be an undescribed species			
Stamnodes splendorata STATE RECORD	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
Horisme intestinata	BRAZOS: College Station	15-Feb-99	B/K
Horisme intestinata	GONZALEZ: Palmetto SP	10-Apr-99	B/K
<b>EPIPLEMIDAE</b>			
Callizzia certiorara also EHM	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	09-Aug-99 - 10-Aug-99	ECK
Antiplecta triangularis	BASTROP: Bastrop SP	27-Nov-99	B/K
<b>LASIOCAMPIDAE</b>			
Tolype mayelisae	Hidalgo: Yturria Brush NWR	14-Apr-99	B/K
Apotolype brevicrista	VAL VERDE: Del Rio	22-May-99	B/K
<b>SATURNIIDAE</b>			
Coloradia pandora davis	Jeff Davis: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
Hemileuca maia	San Augustine: 2 mi N of Norwood, Angelina NF	04-Dec-99	B/K
Eupackardia calleta cocoon collected on wild cherry (Prunus serotina)	Brewster: Chisos Mountains, Big Bend National Park	30-May-99	JPT
<b>SPHINGIDAE</b>			
Manduca quinquemaculata	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Manduca rustica	LASALLE: vic of Fowlerton	14-Sep-99	JFD
Dolba hyloeus	BASTROP: Bastrop SP	08-May-99	B/K
Ceratomia undulosa	SAN PATRICIO: Sinton	06-Mar-99	B/K
Sphinx separata	Jeff Davis: Davis Mountains TNC Preserve	10-Aug-99	CWB
Adhemaris blanchardorum	Brewster: Chisos Mountains, Big Bend National Park	30-May-99	JPT
Eumorpha labruscae	Cameron: Audubon Palm Grove	12-Mar-99	ECK
Cautethia spuria	Cameron: Boca Chica NWR	06-Nov-99	B/K
Darapsa myron	SAN PATRICIO: Sinton	06-Mar-99	B/K
Xylophanes tersa	Starr: Roma	25-Oct-99	JPT
3rd & 4th instar larvae on Heimia salicifolia (Lythraceae) by Ira Nadborne; first foodplant record outside of Rubiaceae			
<b>ARCTIIDAE</b>			
Phaloesia saucia	Hidalgo: Yturria Brush NWR	14-Apr-99	CWB
Phaloesia saucia males common in canopy; three females taken (in understory)	Cameron: Santa Maria NWR	15-Apr-99 - 04-Nov-99	B/K
Dysschema howardi	Jeff Davis: Davis Mountains TNC Preserve	10-Aug-99	CWB
Biturix venosata	Cameron: Audubon Palm Grove	15-Jul-99 - 04-Nov-99	B/K
Cisthene conjuncta	Cameron: Boca Chica NWR	12-Mar-99 - 16-Jul-99	B/K
Haploa colona	BASTROP: Bastrop SP	08-May-99	ECK
Euerythra phasma	BASTROP: Bastrop SP	08-May-99	ECK
Hypercompe suffusa	Jeff Davis: Davis Mtns TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
Purius superpulverea U.S. RECORD	HIDALGO: Yturria Brush NWR	08-Mar-99	ECK
Pygarctia murina	LASALLE: vic of Fowlerton	14-Sep-99	JFD
<b>NOCTUIDAE</b>			
Zelicodes linearis	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
Itomia opisthographa	Cameron: Santa Maria NWR	13-Jul-99	B/K
Litoprosopus confligens	Cameron: Audubon Palm Grove	16-Apr-99 - 15-Jul-99	B/K



<i>Eulepidotis micca</i>	Cameron: Audubon Palm Grove	16-Apr-99 - 04-Nov-99	B/K
<i>Zale buchholzi</i>	BASTROP: Bastrop SP	18-Feb-99	B/K
<i>Zale calycanthata</i>	BASTROP: Bastrop SP	18-Feb-99	B/K
<i>Catocala piatrix</i>	Jeff Davis: Davis Mountains SP	04-Oct-99	CWB
<i>Catocala frederici</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
<i>Catocala louiseae</i>	BASTROP: Bastrop SP	08-May-99	ECK
<i>Catocala coccinata</i>	BASTROP: Bastrop SP	08-May-99	ECK
<i>Catocala violenta</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
<i>Catocala similis</i>	BASTROP: Bastrop SP	08-May-99	ECK
<i>Eutelia furcata</i>	TERRELL: Sanderson	31-Jul-99	ECK
<i>Nycteola fletcheri</i>	JEFF DAVIS: Davis Mountains SP	03-Oct-99	ECK
STATE RECORD			
<i>Lithacodia concinnimacula</i>	BRAZOS: College Station	15-Feb-99	B/K
<i>Cerma cora</i>	BRAZOS: College Station	15-Feb-99	CWB
<i>Acontia jaliscana</i>	CAMERON: Santa Maria NWR	04-Nov-99	B/K
U.S. RECORD; ID'd by Fred Rindge			
<i>Acronicta americana</i>	GONZALEZ: Palmetto SP	10-Apr-99	B/K
<i>Acronicta tota</i>	Caldwell: Luling	19-Feb-99	B/K
<i>Acronicta tritona</i>	BASTROP: Bastrop SP	08-May-99	ECK
<i>Acronicta funeralis</i>	BASTROP: Bastrop SP	18-Feb-99 - 08-May-99	B/K
<i>Acronicta morula</i>	GONZALEZ: Palmetto SP	10-Apr-99	B/K
<i>Cryphia sarepta</i>	Jeff Davis: Davis Mountains TNC Preserve	10-Aug-99	ECK
<i>Euscirrhopterus cosyra</i>	LASALLE: vic of Fowlerton	14-Sep-99	JFD
<i>Psychomorpha epimenis</i>	BRAZOS: College Station	16-Feb-99	B/K
<i>Psychomorpha epimenis</i>	BASTROP: Bastrop SP	18-Feb-99	B/K
<i>Alypiodes bimaculata</i>	JEFF DAVIS: Davis Mountains TNC Preserve	09-Aug-99	CWB
<i>Elaphria georgei</i>	BASTROP: Bastrop SP	18-Feb-99	B/K
<i>Elaphria devara</i>	HIDALGO: Bentsen SP	08-Dec-98	B/K
U.S. RECORD			
<i>Elaphria devara</i>	CAMERON: Audubon Palm Grove	16-Apr-99	ECK
<i>Lythrodus tripuncta</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
<i>Plagiomimicus aureolum</i>	Jeff Davis: Davis Mountains SP	03-Oct-99	ECK
<i>Cirrhophanus dyari</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
<i>Stiria sulphurea</i>	JEFF DAVIS: Davis Mountains SP	03-Oct-99	B/K
<i>Oslaria pura</i>	EL PASO: Anthony	01-Aug-99	ECK
STATE RECORD			
<i>Nocloa nanata</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
abundant			
<i>Nacopa bistrigata</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	ECK
<i>Minofala instans</i>	CAMERON: Boca Chica NWR	12-Mar-99	B/K
<i>Cucullia oribac</i>	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
<i>Lacinipolia stenotis</i>	CULBERSON: Sierra Diablo WMA	18-Aug-84	ECK
STATE RECORD; just identified			
<i>Lacinipolia basiplaga</i>	JEFF DAVIS: Davis Mountains TNC Preserve	10-Aug-99	ECK
STATE RECORD			
<i>Lacinipolia lepidula</i>	JEFF DAVIS: Davis Mountains TNC Preserve	19-May-99	ECK
<i>Orthodes bolteri</i>	JEFF DAVIS: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
<i>Hexorthodes inconspicua</i>	Jeff Davis: Davis Mountains TNC Preserve	10-Aug-99	B/K
<i>Trichorthosia parallela</i>	Jeff Davis: Davis Mountains TNC Preserve, 7500'	10-Aug-99	EHM
<i>Agrotis repleta</i>	Cameron: Audubon Palm Grove	16-Apr-99	B/K
<i>Richia salina</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K
<i>Xestia elimata</i>	BASTROP: Bastrop SP	27-Nov-99	B/K
<i>Schinia bina</i>	ATASCOSA: 10 mi N of Pleasanton	13-Apr-99	B/K
<i>Schinia mitis</i>	SAN PATRICIO: Lake Corpus Christi SP	07-Mar-99	CWB
<i>Schinia obliqua</i>	Jeff Davis: Davis Mountains TNC Preserve	09-Aug-99 - 10-Aug-99	B/K

## Zone 7 Ontario/Quebec

## Ontario, Quebec

Coordinator: Alan J. Hanks

### Contributors Cited:

PWH : Peter Hall

D-P : Don Peuremaki

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## ONTARIO

The summer brought a huge influx of unusual species to the Toronto area, and this was probably reflected in many other areas of the province as well.

### Butterflies

#### HESPERIIDAE

<i>Erynnis zarucco</i> 2 sightings; comparison with <i>E. baptisiae</i> in area showed marked differences; foodplant (Black Locust) is present	YORK: Scarborough Bluffs	17-Aug-99 - 27-Aug-99	B-H
<i>Erynnis funeralis</i> 2 single sightings	York: Grenadier Pond (High Park) & Lambton Prairie	12-Aug-99 - 18-Sep-99	R-Y
<i>Erynnis lucilius</i> Abundant	Leeds & Grenville: Chaffey's Locks	04-Jul-99	PWH
<i>Erynnis baptisiae</i> Seen almost daily in Scarborough - a second colony discovered in the Rouge Valley	York: Scarborough (Toronto)	17-Aug-99 - 01-Oct-99	B-H
<i>Erynnis baptisiae</i> Single worn specimen	York: Lambton Prairie	14-Sep-99	R-Y
<i>Hylephila phyleus</i> Seen consistently throughout period noted	York: Lambton Prairie & High Park	06-Jul-99 - 27-Oct-99	B-H
<i>Hylephila phyleus</i> Large influx of this migrant species - over 300 sightings - 2 generations probable	York: Lambton Prairie & Humber Valley	06-Jul-99 - 28-Oct-99	R-Y
<i>Polites themistocles</i> First record of 2nd generation for Ontario	Leeds & Grenville: Chaffey's Locks	29-Aug-99	PWH
<i>Anatrytone logan</i> The second recorded colony for Eastern Ontario	Leeds & Grenville: Bolton Rd. W. of Bishops Mills	11-Jul-99	PWH
<i>Anatrytone logan</i> One of the first recorded colonies for Eastern Ontario	LEEDS & GRENVILLE: Burrits Rapids (1.5km S of)	11-Jul-99	PWH

#### PAPILIONIDAE

<i>Papilio cresphontes</i> First Toronto sighting in many years - three people confirmed record	YORK: Toronto (Unwin Avenue)	30-Jul-99	B-H
<i>Papilio glaucus</i> Second generation but does not resemble <i>Papilio canadensis</i>	Leeds & Grenville: Chaffey's Locks	29-Aug-99	PWH
<i>Papilio troilus</i> Three individuals seen	York: Scarborough	28-Jul-99 - 08-Aug-99	B-H

#### PIERIDAE

<i>Euchloe olympia</i> Many seen	Muskoka: Port Cunningham	05-May-99	QH
<i>Eurema lisa</i>	Manitoulin: Burpee Twp. Lot 29, Con. 1	05-Jul-99	RRT
<i>Eurema lisa</i> Small numbers seen	York: Lambton Prairie & Leslie Street Spit	06-Jul-99 - 11-Jul-99	R-Y
<i>Eurema lisa</i> Uncommon in Toronto area	York: North Toronto (Brooke Ave. & Esgore Drive)	29-Jul-99	QH
<i>Eurema lisa</i>	York: North Toronto (Brooke Ave. & Esgore Drive)	11-Oct-99	QH

#### LYCAENIDAE

<i>Parrhasius m-album</i> single specimen; first sighting in the Toronto area	YORK: Leslie Street Spit	15-Aug-99	D-P
<i>Everes comyntas</i> Extremely rare at northern edge of range	Ottawa-Carleton: 3 locations near Ottawa	01-Aug-99 - 30-Aug-99	PWH

#### NYMPHALIDAE

<i>Junonia coenia</i> Seen frequently - bred at Leslie St. Spit - high count of 17 individuals on Sept. 4th	York: Lambton Prairie & Leslie Street Spit	06-Jul-99 - 16-Oct-99	R-Y
<i>Junonia coenia</i>	Manitoulin: Burpee Twp. Lot 29, Con. 1	02-Sep-99 - 03-Sep-99	RRT
<i>Euptoieta claudia</i> Seen on a number of occasions	York: Various locations	02-Jul-99 - 16-Oct-99	R-Y
<i>Phyciodes batesii</i> Single fresh specimen	Peterborough: Twin Lakes	08-May-99	QH
<i>Phyciodes batesii</i> Small numbers observed	Ottawa-Carleton: Marlborough Forest	12-Jun-99	PWH
<i>Chlosyne gorgone</i> Two new colonies for Eastern Ontario	Leeds & Grenville: Limerick Forest, S of Merrickville	18-Jul-99	PWH
<i>Chlosyne nycteis</i> Small numbers observed	Ottawa-Carleton: Marlborough Forest	12-Jun-99	PWH
<i>Danaus plexippus</i> Abundant in 1999	Ottawa-Carleton: Throughout Ottawa District	01-Jun-99 - 15-Sep-99	PWH

## QUEBEC

### Butterflies

#### PIERIDAE

Colias interior	L'île aux Lievres - St. Lawrence River	28-Jul-99	PWH
Common in the area			

#### LYCAENIDAE

Everes comyntas	Gatineau: Luskville	15-Aug-99	PWH
Locally abundant; normally extremely rare			
Everes amyntula	L'île aux Lievres - St. Lawrence River	28-Jul-99	PWH
Single record - worn			

## Zone 8 Midwest

## Missouri, Kentucky, West Virginia, Ohio, Indiana, Illinois, Iowa, Minnesota, Wisconsin, Michigan

Coordinator: Leslie A. Ferge

### Contributors Cited:

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 RHS : Richard H. Smith  
 SAS : Scott & Ann Swengel  
 JV : James Vargo

GJB : George J. Balogh  
 SCB : Steven C. Bransky  
 EE : Elvin Evans  
 RCF : Richard C. Fleming  
 TH : Terry Herig  
 K/S : Ron King & John Shuey  
 RK : Robert Kriegel  
 CN : Charlie Nelson  
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### General Comments:

The 1999 season began early in the northern part of the Midwest, but not as early as last year. Weather conditions in much of the zone were warm and dry with mild conditions persisting well into fall. It was an outstanding year for southern migrants. *Hylephila phyleus*, *Eurema lisa*, *Nathalis iole*, *Euptoieta claudia*, and *Junonia coenia* were particularly widespread and common, occurring much further north than in most other seasons. *Phoebis sennae eubule* was found in Wisconsin again this year. Monarchs had a good season. A number of migrant or stray moths were recorded, with the most notable being *Xylophanes tersa* and *Ascalapha odorata* in Michigan and *Thysania zenobia* in Wisconsin. Introduced European noctuids continue to spread. While the novelty of finding *Noctua pronuba* is wearing off, *Apamea ophiogramma* has been newly recorded in Michigan and Wisconsin.

## ILLINOIS

Prill reported rainy conditions in May and June, with hot weather from July through September. He experienced an extended collecting season due to mild fall conditions, reporting good results with the noctuid genera *Lithophane* and *Eupsilia* through 4 December.

### Butterflies

#### HESPERIIDAE

<i>Erynnis baptisiae</i>	Will: 3 miles NW of Shorewood, prairie remnant	30-Jun-99	SCB
<i>Problema byssus</i>	Will: 3 miles NW of Shorewood, prairie remnant	30-Jun-99	SCB
<i>Euphyes bimaculata</i>	Will: 3 miles NW of Shorewood, prairie remnant	30-Jun-99	SCB

#### NYMPHALIDAE

<i>Libytheana bachmanii</i>	Will: 3 miles NW of Shorewood, prairie remnant	30-Jun-99	SCB
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### Moths

#### MEGALOPYGIDAE

<i>Norape ovina</i>	Johnson: Shawnee NF	08-Jul-99	JDP
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#### LIMACODIDAE

<i>Packardia geminata</i>	Mason: Sand Ridge State Forest	31-May-99	JDP
<i>Apoda rectilinea latomia</i>	Johnson: Shawnee NF	08-Jul-99	JDP
<i>Sibine stimulea</i>	Johnson: Shawnee NF	08-Jul-99	JDP

**GEOMETRIDAE**

<i>Semiothisa granitata</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Patalene olyzonaria</i>	Johnson: Shawnee NF	08-Jul-99	JDP

**SATURNIIDAE**

<i>Actias luna</i>	Peoria: Hollis	01-Sep-99	JDP
<i>Callosamia angulifera</i>	Union: Bald Knob	08-Jun-99	SCB

**SPHINGIDAE**

<i>Agrius cingulata</i>	Peoria: Bartonville	17-Sep-99	JDP
<i>Manduca sexta</i>	Peoria: W. Lamarsh Creek & Dunlap	06-Aug-99 - 20-Aug-99	JDP
<i>Manduca jasminearum</i>	Union: Bald Knob	08-Jun-99	SCB
<i>Dolba hyloeus</i>	Union: Bald Knob	08-Jun-99	SCB
<i>Ceratomia catalpae</i>	Mason: Sand Ridge State Forest	31-May-99	JDP
<i>Ceratomia catalpae</i>	Peoria: Rome, W. Lamarsh Creek & Dunlap	07-Aug-99 - 16-Sep-99	JDP
<i>Ceratomia hageni</i>	Peoria: Hollis, W. Lamarsh Creek & Dunlap	06-Aug-99 - 27-Sep-99	JDP
<i>Ceratomia hageni</i>	Tazewell: Morton	29-Sep-99	JDP
<i>Sphinx franckii</i>	Union: Bald Knob	08-Jun-99	SCB
<i>Sphecodina abbottii</i>	Peoria: Hollis	01-May-99	JDP
<i>Deidamia inscripta</i>	Peoria: Hollis	01-May-99	JDP
<i>Xylophanes tersa</i>	Peoria: W. Lamarsh Creek	08-Aug-99	JDP

**ARCTIIDAE**

<i>Epantheria scribonia</i>	Mason: Sand Ridge State Forest	20-Jun-99	JDP
<i>Grammia virguncula</i>	Peoria: Hollis, W. Lamarsh Creek	08-Aug-99 - 01-Sep-99	JDP
<i>Grammia virguncula</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Grammia oithona</i>	Mason: Sand Ridge State Forest	31-May-99	JDP
<i>Grammia arge</i>	Peoria: Rome	01-Sep-99	JDP

**NOCTUIDAE**

<i>Catocala muliercula</i>	Union: Bald Knob	08-Jun-99	SCB
<i>Catocala habilis</i>	Tazewell: Morton	12-Aug-99	JDP
<i>Catocala junctura</i>	Peoria: Dunlap	17-Sep-99	JDP
<i>Catocala alabamae</i>	Union: Alto Pass, Bald Knob	07-Jul-99	JDP
<i>Thioptera nigrofimbria</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Thioptera nigrofimbria</i>	Peoria: Peoria, Detweiler Park	20-Sep-99	JDP
<i>Tarachidia semiflava</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Papaipema inquaesita</i>	Peoria: Dunlap & Peoria, Detweiler Park	28-Oct-99	JDP
<i>Papaipema circumlucens</i>	Peoria: Hollis	10-Sep-99	JDP
<i>Papaipema eupatorii</i>	Peoria: Hollis	25-Sep-99	JDP
<i>Papaipema limpida</i>	Peoria: Hollis	18-Sep-99	JDP
<i>Cirrhophanus triangulifer</i>	Peoria: W. Lamarsh Creek	20-Aug-99	JDP
<i>Lithophane bethunei</i>	Peoria: Peoria, Detweiler Park	25-Sep-99	JDP
<i>Lacinipolia implicata</i>	Peoria: Tuscarora Road	20-Sep-99	JDP
<i>Faronta rubripennis</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Anicla infecta</i>	Peoria: Peoria, Detweiler Park	29-Oct-99	JDP
<i>Choephora fungorum</i>	Peoria: Peoria, Detweiler Park	25-Sep-99	JDP
<i>Heliothis phloxiphagus</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB
<i>Schinia thoreau</i>	Mason: 5 miles S. of Havana	13-Aug-99	SCB

**INDIANA**

Shull reported an early onset of the season, with hot and dry conditions prevailing. From 11 February through 10 November he recorded 42 species of butterflies and 188 moth species.

**Butterflies****HESPERIIDAE**

<i>Hylephila phyleus</i>	Wabash: N. Manchester	30-Aug-99 - 07-Oct-99	EMS
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**PAPILIONIDAE**

<i>Papilio polyxenes</i>	Jefferson: Jefferson Proving Grounds	21-Aug-99	RDK
<i>Papilio cressphontes</i>	Jefferson: Jefferson Proving Grounds	21-Aug-99	RDK
<i>Papilio cressphontes</i>	Wabash: N. Manchester	11-Oct-99	EMS
<i>Eurytides marcellus</i>	Warrick: Newburgh	26-May-99	RDK

**PIERIDAE**

<i>Pontia protodice</i>	Wabash: N. Manchester	19-Jul-99	EMS
<i>Pieris oleracea</i>	Wabash: N. Manchester	15-Jul-99	EMS
<i>Zerene cesonia</i>	Posey: Hovey Lake Fish & Game Area	27-Jul-99	RDK
<i>Phoebis sennae eubule</i>	Wabash: N. Manchester	04-Jun-99	EMS
<i>Phoebis sennae eubule</i>	Jefferson: Jefferson Proving Grounds	21-Aug-99	RDK
<i>Eurema lisa</i>	Wabash: N. Manchester	02-Sep-99	EMS
<i>Eurema nicippe</i>	Perry: Big Cypress Slough WMA	27-Jul-99	RDK
<i>Eurema nicippe</i>	Wabash: N. Manchester	20-Aug-99	EMS

**LYCAENIDAE**

Feniseca tarquinius	Perry: Salmon Hollow	18-Aug-99	K/S
Lycaena hyllus	Orange: Orleans	04-Jul-99	RDK
Celastrina neglecta	Wabash: N. Manchester	14-Jul-99	EMS

**RIODINIDAE**

Calephelis muticum	Perry: Hoosier NF, Mt. Pleasant Rd. 34B	18-Jun-99	RDK
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**NYMPHALIDAE**

Libytheana bachmanii	Wabash: Laketon	31-Jul-99	EMS
Nymphalis antiopa	Wabash: N. Manchester	11-Feb-99 - 10-Nov-99	EMS
Vanessa atalanta	Wabash: N. Manchester	10-Apr-99 - 10-Nov-99	EMS
Junonia coenia	Wabash: Laketon	31-Jul-99	EMS
Euptoieta claudia	Orange: Orleans	04-Jul-99 - 16-Nov-99	RDK
Euptoieta claudia	Wabash: N. Manchester	11-Oct-99	EMS
Boloria bellona	Orange: Orleans	04-Jul-99 - 04-Sep-99	RDK
Chlosyne nycteis	Warrick: Newburgh	26-May-99	RDK
Chlosyne nycteis	Orange: Paoli	26-Aug-99	RDK
Anaea andria	Harrison: Crawford SF	01-Jun-99	RDK
Anaea andria	Perry: Buzzard's Roost & Mt. Pleasant	07-Jul-99 - 23-Jul-99	RDK
Anaea andria	Perry: Morgan Ridge, Hoosier NF	23-Jul-99 - 24-Sep-99	RDK
20 seen on 23 July			
Anaea andria	Spencer: N. bank of Ohio River 0.4 mi W. of US 231	14-Aug-99	RDK
Enodia anthedon	Wabash: Laketon	13-Jul-99	EMS
Enodia anthedon	Spencer: Kramer Woods	18-Aug-99	K/S
Satyrodes eurydice	Wabash: N. Manchester	11-Jul-99	EMS
Cyllopsis gemma	Spencer: Bloomfield Barrens	19-Aug-99	K/S
Hermeuptychia hermes	Spencer: Bloomfield Barrens	19-Aug-99	K/S

**Moths****SATURNIIDAE**

Eacles imperialis	Wabash: N. Manchester	24-Jul-99	EMS
Citheronia regalis	Wabash: N. Manchester	15-Jul-99	EMS
Callosamia promethea	Orange: Orleans	04-Jul-99	RDK

**SPHINGIDAE**

Manduca sexta	Wabash: N. Manchester	06-Sep-99	EMS
Eumorphia pandorus	Wabash: N. Manchester	29-Sep-99	EMS
Sphecodina abbottii	Wabash: N. Manchester	25-Jul-99	EMS
Amphion floridensis	Wabash: N. Manchester	12-Jul-99	EMS
Xylophanes tersa	Perry: Mt. Pleasant	04-Jul-99	RDK

**NOCTUIDAE**

Catocala innubens	Wabash: N. Manchester	15-Jul-99	EMS
Catocala piatrix	Wabash: N. Manchester	29-Aug-99	EMS
Catocala resecta	Spencer: Kramer Woods	18-Aug-99	K/S
Catocala luctuosa	Spencer: Kramer Woods, Bloomfield Barrens	18-Aug-99	K/S
Catocala vidua	Spencer: Kramer Woods, Bloomfield Barrens	18-Aug-99	K/S
Catocala maestosa	Spencer: Kramer Woods	18-Aug-99	K/S
Catocala palaeogama	Spencer: Kramer Woods, Bloomfield Barrens	18-Aug-99	K/S
Catocala nebulosa	Spencer: Kramer Woods	18-Aug-99	K/S
Catocala subnata	Perry: Salmon Hollow	17-Aug-99	K/S
Catocala parta	Wabash: N. Manchester	31-Aug-99	EMS
Catocala coccinata	Perry: Mt. Pleasant	04-Jul-99	RDK
Catocala minuta	Wabash: N. Manchester	05-Jul-99	EMS
Catocala micronympha	Wabash: N. Manchester	15-Aug-99	EMS
Noctua pronuba	PERRY: Mt. Pleasant	04-Jul-99	RDK

**STATE RECORD**

Noctua pronuba	ORANGE: Hoosier NF, Youngs Creek	05-Jul-99	RDK
Noctua pronuba	WABASH: N. Manchester	03-Aug-99 - 20-Aug-99	EMS

7 specimens at sugar bait

**IOWA****Butterflies****HESPERIIDAE**

Pyrgus communis	Cedar: Lowden	16-Sep-99	SCG
Hylephila phyleus	Cedar: Lowden	24-Aug-99	SCG

**PIERIDAE**

Phoebis sennae	Cedar: Lowden	19-Jun-99	SCG
Eurema lisa	Cedar: Lowden	08-Jul-99	SCG



**NYMPHALIDAE**

<i>Libytheana bachmanii</i>	Cedar: Lowden	17-Jul-99	SCG
<i>Nymphalis milberti</i>	Cedar: Lowden	13-Oct-99	SCG
<i>Vanessa atalanta</i>	Cedar: Lowden	30-Apr-99	SCG
<i>Junonia coenia</i>	Cedar: Lowden	14-Aug-99	SCG
<i>Euptoieta claudia</i>	Cedar: Lowden	12-Jun-99	SCG
<i>Speyeria aphrodite</i>	Cedar: Lowden	09-Jun-99	SCG
<i>Boloria bellona</i>	Cedar: Lowden	18-May-99 - 08-Jun-99	SCG
<i>Danaus plexippus</i>	Cedar: Lowden	10-May-99	SCG

**KENTUCKY****Butterflies****HESPERIIDAE**

<i>Euphyes dukesi</i>	Henderson: Sloughs WMA	04-Sep-99	RDK
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**PAPILIONIDAE**

<i>Papilio cresphontes</i>	Henderson: Sloughs WMA	04-Sep-99	RDK
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**PIERIDAE**

<i>Pontia protodice</i>	Daviess: Owensboro	03-Sep-99	RDK
<i>Zerene cesonia</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Phoebis sennae eubule</i>	Henderson: Sloughs WMA	04-Sep-99	RDK
<i>Phoebis sennae eubule</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Eurema lisa</i>	Daviess: Owensboro	17-Sep-99 - 08-Nov-99	RDK

**LYCAENIDAE**

<i>Feniseca tarquinius</i>	Ballard: Westavo WMA	06-Sep-99	RDK
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**NYMPHALIDAE**

<i>Nymphalis antiopa</i>	Daviess: Owensboro	11-Sep-99	RDK
<i>Chlosyne nycteis</i>	Daviess: Owensboro	18-Jul-99 - 02-Sep-99	RDK
<i>Chlosyne nycteis</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Hermeuptychia hermes</i>	Daviess: Maceo	12-Aug-99	RDK
<i>Hermeuptychia hermes</i>	Ballard: Westavo WMA	06-Sep-99	RDK

**Moths****SATURNIIDAE**

<i>Anisota stigma</i>	Hancock: Vastwood Park	01-Aug-99	RDK
<i>Anisota virginienensis</i>	Hancock: Vastwood Park	01-Aug-99	RDK
<i>Callosamia angulifera</i>	Ballard: Westavo WMA	06-Sep-99	RDK

**SPHINGIDAE**

<i>Agrius cingulata</i> several specimens, in good condition	Daviess: Owensboro	07-Sep-99 - 11-Oct-99	RDK
<i>Isoparce cupressi</i>	Daviess: Philpot	30-Jul-99	RDK
<i>Isoparce cupressi</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Paratreia plebeja</i>	Warren: Bowling Green	10-Jul-99	RDK
<i>Sphinx franckii</i>	Daviess: Philpot	03-Aug-99	RDK
<i>Pachysphinx modesta</i>	Daviess: Philpot	06-Aug-99	RDK
<i>Eumorpha achemon</i>	Daviess: Owensboro	03-Aug-99	RDK
<i>Eumorpha fasciata</i> several specimens, in good condition	Daviess: Owensboro	13-Aug-99 - 13-Sep-99	RDK
<i>Deidamia inscripta</i>	Daviess: Maceo	23-May-99	RDK

**NOCTUIDAE**

<i>Catocala piatrix</i>	Daviess: Philpot	14-Aug-99	RDK
<i>Catocala angusi</i>	Daviess: Philpot	14-Aug-99	RDK
<i>Catocala relecta</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Catocala maestosa</i>	Fulton: Bayou de Cheyne	06-Sep-99	RDK
<i>Catocala maestosa</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Catocala maestosa</i>	Daviess: Owensboro	11-Oct-99	RDK
<i>Catocala lacrymosa</i>	Daviess: Philpot	15-Aug-99	RDK
<i>Catocala nebulosa</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Catocala subnata</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Catocala amatrix</i>	Ballard: Westavo WMA	06-Sep-99	RDK
<i>Catocala amatrix</i>	Daviess: Owensboro	10-Sep-99 - 16-Sep-99	RDK
<i>Xanthopastis timais</i>	Daviess: Owensboro	02-Jul-99	RDK

## MICHIGAN

Nielsen reported an early season, with warmer and dryer weather than normal throughout most of the state. A surprising increase of southern migrants and strays, especially *Euptoieta claudia* and *Junonia coenia*, was noted statewide. Monarchs were more numerous than last year, especially in northern counties. Catocala numbers were up, with over 40 species recorded. *Noctua pronuba* continues to spread and increase in numbers.

### Butterflies

#### HESPERIIDAE

Erynnis brizo	CHIPPEWA: T47N, R3W, Sec 18	06-Jun-99	OAP
Erynnis horatius	MONROE: T7S, R6E, Sec 15	09-Aug-99	OAP
Pyrgus communis	Cass: T5S, R14W, Sec 31	11-Sep-99 - 25-Sep-99	MCN
Oarisma poweshiek	Lenawee: T5S, R1E, Sec 4	03-Jul-99	MCN
Hylephila phyleus	CHIPPEWA: T51N, R5W, Sec 32	18-Aug-99	OAP
Hylephila phyleus	Mackinac: T41N, R2E, Sec 6	04-Sep-99	CN
Hylephila phyleus	Cass: T5S, R14W, Sec 31	11-Sep-99	MCN
Hesperia comma laurentina	Chippewa: Lake Superior SF	31-Jul-99 - 04-Aug-99	MCN
Hesperia comma laurentina	IRON: T42N, R32W, Sec 10	02-Aug-99	OAP
Hesperia comma laurentina	Iron: Copper Country SF	02-Aug-99	MCN
Polites peckius	OSCODA: T26N, R1E, Sec 33	24-Jul-99	OAP
Anatrytone logan	Hillsdale: T7S, R2W, Sec 15	02-Jul-99	OAP
Euphyes dion	DELTA: T41N, R20W, Sec 1	02-Aug-99	OAP
Euphyes dukesi	Cass: T8S, R2E, Sec 32	03-Jul-99	MCN
Euphyes vestris	HILLSDALE: T7S, R2W, Sec 15	02-Jul-99	OAP
Amblyscirtes vialis	LUCE: T46N, R12W, Sec 27	06-Jun-99	OAP

#### PAPILIONIDAE

Papilio polyxenes	OSCODA: T25N, R1E, Sec 4	24-Jul-99	OAP
Papilio troilus	HILLSDALE: T5S, R4W, Sec 13	02-May-99	OAP

early flight date for MI

#### PIERIDAE

Colias eurytheme	ARENAC: T19N, R3E, Sec 36	20-Aug-99	OAP
Eurema lisa	Kent: Rouge River SGA	10-Jul-99	GBS
Nathalis iole	Muskegon: Muskegon Co. Wastewater Treatment Plant	08-Sep-99	GBS
Nathalis iole	CASS: T5S, R14W, Sec 31	11-Sep-99 - 27-Sep-99	WPW
Nathalis iole	St. Joseph: Three Rivers	12-Sep-99	CA
Nathalis iole	Gogebis: Hiawatha NF	18-Sep-99	MCN

#### LYCAENIDAE

Lycaena helloides	LUCE: T46N, R12W, Sec 27	03-Aug-99	OAP
Satyrrium titus	IRON: T42N, R32W, Sec 10	02-Aug-99	OAP
Satyrrium titus	IRON: Copper Country SF	02-Aug-99	MCN
Satyrrium caryaevorum	Lenawee: T8S, R2E, Sec 31	22-Jun-99	MCN
Callophrys irus	Allegan: Allegan SGA	02-May-99	MCN
Celastrina neglecta	CHIPPEWA: T44N, R6W, Sec 17	04-Aug-99	OAP
Lycaeides melissa samuelis	Allegan: Allegan SGA	01-Jul-99	MCN

#### RIODINIDAE

Calephelis muticum	Hillsdale:	02-Jul-99	JR1
Calephelis muticum	Hillsdale: Lost Nations SGA	02-Jul-99	MCN

#### NYMPHALIDAE

Libytheana carinenta	Emmet: Mackinaw SF	09-Aug-99	TH
Polygonia interrogationis	MACKINAC: T44N, R7W, Sec 15	28-May-99	OAP
Polygonia interrogationis	HILLSDALE: T7S, R2W, Sec 15	02-Jul-99	OAP
Polygonia comma	LUCE: T46N, R12W, Sec 27	19-Sep-99	OAP
Vanessa atalanta	DELTA: T41N, R20W, Sec 1	03-Aug-99	OAP
Junonia coenia	Allegan: Allegan SF	01-Jul-99	TH
Junonia coenia	Huron: Port Crescent SP	08-Jul-99	DP
Junonia coenia	Oakland: Orion	27-Jul-99	DP
Junonia coenia	Chippewa: Lake Superior SF	31-Jul-99	MCN
Junonia coenia	Iron: Copper Country SF	02-Aug-99	MCN
Junonia coenia	IRON: T42N, R32W, Sec 10	02-Aug-99	OAP
Junonia coenia	Charlevoix: Beaver Island	07-Aug-99 - 20-Aug-99	SJ1
Junonia coenia	St. Joseph: Three Rivers SGA	14-Aug-99	TH
Junonia coenia	Muskegon: Muskegon SGA	20-Aug-99	JP3
Junonia coenia	Luce:	22-Aug-99	WM
Junonia coenia	MECOSTA: Mecosta	03-Sep-99	SR
Junonia coenia	Cass: T5S, R14W, Sec 31	11-Sep-99 - 25-Sep-99	MCN
Junonia coenia	Kent: T9N, R10W, Sec 6	10-Oct-99	SJM

<i>Junonia coenia</i>	Monroe: Petersburg SGA	12-Oct-99	MCN
<i>Euptoieta claudia</i>	Mackinac: Hiawatha NF	05-Jun-99	ETH
<i>Euptoieta claudia</i>	Lenawee: T8S, R2E, Sec 31	22-Jun-99	TH
<i>Euptoieta claudia</i>	Chippewa: Lake Superior SF	31-Jul-99	MCN
<i>Euptoieta claudia</i>	St. Joseph: Three Rivers SGA	14-Aug-99	TH
<i>Euptoieta claudia</i>	Hillsdale:	23-Aug-99	JR1
<i>Euptoieta claudia</i>	Cass: T5S, R14W, Sec 31	11-Sep-99 - 25-Sep-99	MCN
<i>Euptoieta claudia</i>	Monroe: Petersburg SGA	12-Oct-99	MCN
<i>Speyeria cybele</i>	DELTA: T41N, R20W, Sec 1	02-Aug-99	OAP
<i>Speyeria cybele krautwurmi</i>	OTSEGO: T29N, R2W, Sec 15	23-Jul-99	OAP
<i>Speyeria atlantis</i>	DELTA: T41N, R20W, Sec 1	02-Aug-99	OAP
<i>Boloria eunomia dawsoni</i> also MCN	Mackinac: Hiawatha NF	05-Jun-99	RK
<i>Boloria eunomia dawsoni</i> also MCN	Luce: Lake Superior SF	05-Jun-99 - 06-Jun-99	RK
<i>Boloria frigga saga</i> also MCN	Luce: Lake Superior SF	22-May-99 - 06-Jun-99	RK
<i>Boloria freija</i>	Dickinson: Channing Bog	09-May-99	MCN
<i>Boloria freija</i>	Chippewa: Hiawatha NF	10-May-99	MCN
<i>Phyciodes batesii</i>	Otsego: Mackinaw SF	12-Jun-99	MCN
<i>Phyciodes batesii</i> late flight date for MI	LUCE: T46N, R12W, Sec 26	03-Aug-99	OAP
<i>Asterocampa celtis</i>	Ottawa: Grand River County Park	31-Aug-99	GBS
<i>Cercyonis pegala</i>	LUCE: T46N, R12W, Sec 27	06-Jun-99	OAP
<i>Erebia discoidalis</i>	Dickinson: Channing Bog	09-May-99	MCN
<i>Oeneis jutta ascerta</i> also MCN	Mackinac: Hiawatha NF	05-Jun-99	RK
<i>Oeneis jutta ascerta</i> also MCN	Luce: Lake Superior SF	06-Jun-99	RK
<b>Moths</b>			
<b>SESIIDAE</b>			
<i>Paranthrene dollii</i>	Clinton: Bath	06-Jun-99	WTJ
<i>Sesia spartani</i>	Clinton: Bath and Dewitt	06-Jun-99 - 25-Jun-99	WTJ
<b>TORTRICIDAE</b>			
<i>Hendecaneura shawiana</i>	MACKINAC: STATE RECORD, flushed from bog thicket during day	05-Jun-99	MS
<b>PYRALIDAE</b>			
<i>Uresiphita reversalis</i> common; southern migrant	Oceana: Little Point Sable	11-Jun-99 - 12-Jun-99	GJB
<i>Uresiphita reversalis</i> reared ex-larvae on Baptisia	CLINTON: Bath	03-Aug-99 - 29-Aug-99	EE
<i>Platytes vobisne</i>	Crawford: T27N, R3W, Sec 29	25-Jun-99	GJB
<i>Platytes vobisne</i>	Crawford: T27N, R3W, Sec 20	26-Jun-99	GJB
<b>GEOMETRIDAE</b>			
<i>Epirrita autumnata</i>	ALLEGAN: T3N, R15W, Sec 34, edge of bog	29-Oct-99	GJB
<i>Epirrita autumnata</i>	KALAMAZOO: W. side of West Lake, bog	30-Oct-99	GJB
<i>Eupithecia bowmani</i>	Kalamazoo: east of Sugarloaf Lake, edge of wet forest	04-May-99	GJB
<b>SATURNIIDAE</b>			
<i>Eacles imperialis</i>	Eaton:	23-Jul-99	RCF
<i>Citheronia regalis</i> third county record	LENAWEE: T8S, R2E, Sec 31	02-Jul-99	MCN
<i>Sphingicampa bicolor</i>	Lenawee: T8S, R2E, Sec 31	02-Jul-99 - 13-Jul-99	MCN
<i>Hyalophora columbia</i> first adult record in county	Otsego: Mackinac SF	04-Jun-99	JV
<i>Hyalophora columbia</i>	Luce: Lake Superior SF	05-Jun-99	JV
<b>SPHINGIDAE</b>			
<i>Ceratonia hageni</i>	Cass: T5S, R14W, Sec 31	04-Sep-99	WPW
<i>Sphinx eremitus</i> nectaring on Bouncing Bet	Barry: Barry SGA	06-Aug-99	MCN
<i>Hemaris gracilis</i> nectaring on Vaccinium	Chippewa: Lake Superior SF	06-Jun-99	OAP
<i>Eumorpha achemon</i>	Cass: T5S, R14W, Sec 31	12-Jul-99	WPW
<i>Proserpinus flavofasciata</i> also TH, two nectaring on lilacs, second county record	MACKINAC: Lake Superior SF	30-May-99	HDK
<i>Xylophanes tersa</i>	Cass: T5S, R14W, Sec 31	15-Jul-99	MCN
<b>NOTODONTIDAE</b>			
<i>Clostera brucei</i>	Luce: Lake Superior SF	05-Jun-99	MCN

Heterocampa subrotata	Lenawee: T8S, R2E, Sec 31	02-Jul-99	MCN
<b>ARCTIIDAE</b>			
Utetheisa bella fresh female	Allegan: T3N, R14W, Sec 31, oak savanna/sand prairie	29-Oct-99	GJB
<b>NOCTUIDAE</b>			
Mycterophora inexplicata STATE RECORD	KALKASKA: Pere Marquette SF	24-Jul-99	JV
Isogona tenuis	Cass: T5S, R14W, Sec 31	16-Jul-99	MCN
Isogona tenuis	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Ascalapha odorata	Kent: T10N, R1W, Sec 36	01-Sep-99	SJM
Ascalapha odorata	Kent: Grand Rapids	10-Sep-99	IT
Catocala coelebs	Mackinac: Pte Aux Chenes Bay	14-Aug-99	GJB
Catocala luctuosa	BARRY: Barry SGA	06-Aug-99	MCN
Catocala lacrymosa	BARRY: Barry SGA	06-Aug-99	MCN
Catocala nebulosa	Cass: T5S, R14W, Sec 31	14-Aug-99	TH
Catocala meskei	Cass: T5S, R14W, Sec 31	15-Jul-99	MCN
Catocala meskei	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Catocala amatrrix northern range extension	OTSEGO: Mackinaw SF	28-Aug-99	MCN
Catocala dulciola	Cass: T5S, R14W, Sec 31	30-Jun-99	MCN
Catocala crataegi also MCN, JV	HILLSDALE: T8S, R2W, Sec 13	25-Jun-99	MCN
Catocala micronympha	Barry: Barry SGA	06-Aug-99	MCN
Catocala connubialis	ALLEGAN: Allegan SGA	17-Jul-99	MCN
Exyra fax	Barry: Barry SGA	13-Aug-99	MCN
Thioptera nigrofimbria	OTSEGO: Mackinaw SF	04-Sep-99	MCN
Oligia bridghami	IRON: Copper Country SF	02-Aug-99	MCN
Oligia obtusa	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Macronoctua onusta	LENAWEE: T5S, R2E, Sec 4	12-Oct-99	MCN
Parapamea buffaloensis	Cass: Dr. Lawless County Park	10-Sep-99	MCN
Papaipema astuta	Cass: T5S, R13W, Sec 30	25-Sep-99	MCN
Papaipema leucostigma	MECOSTA: Canadian Lakes	19-Sep-99	ETH
Papaipema inquaesita also JV	GOGEBIC: Ottawa NF	18-Sep-99	MCN
Papaipema circumlucens	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Papaipema nelita	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Papaipema sciata	ST. CLAIR: Algonac SP	15-Sep-99	DC
Papaipema limpida	St. Clair: Algonac SP	15-Sep-99	DC
Papaipema beeriana	St. Clair: Algonac SP	15-Sep-99	DC
Papaipema unimoda	ONTONAGON: Ottawa NF	17-Sep-99	MCN
Dypterygia patina STATE RECORD; det. By Eric H. Metzler	OCEANA: Little Point Sable dunes	12-Jun-99	GJB
Magusa orbifera	CHIPPEWA: Lake Superior SF	31-Jul-99	MCN
Apamea ophiogramma STATE RECORD	CASS: T5S, R14W, Sec 31	16-Jul-99	MCN
Basilodes pepita	Lenawee: T8S, R2E, Sec 31	20-Aug-99	MCN
Litholomia napaea	CHIPPEWA: Lake Superior SF	19-Sep-99	MCN
Lithophane tepida	CHIPPEWA: Lake Superior SF	19-Sep-99	MCN
Lithophane fagina also JV	GOGEBIC: Ottawa NF	18-Sep-99	MCN
Epiglaea apiata also JV	GOGEBIC: Ottawa NF	18-Sep-99	MCN
Hillia iris	Cheboygan: Mackinaw SF	03-Sep-99	MCN
Platypolia anceps also JV	GOGEBIC: Ottawa NF	17-Sep-99	MCN
Oncocnemis saundersiana reared on flowers Penstemon digitalis, larvae collected 15 June 1999	Ottawa: T8N, R14W, Sec 19	04-Sep-99 - 09-Sep-99	GJB
Oncocnemis viriditincta	Allegan: T3N, R14W, Sec 31, oak savanna/sand prairie	05-Sep-99	GJB
Oncocnemis piffardi	Cheboygan: Mackinaw SF	02-Sep-99	MCN
Melanchra picta	HILLSDALE: T8S, R2W, Sec 13	25-Jun-99	MCN
Papestra biren	LUCE: Lake Superior SF	05-Jun-99	MCN
Leucania adjuta STATE RECORD	BERRIEN: Grand Mere Dunes SP	28-Oct-99	JV
Leucania adjuta	ALLEGAN: T3N, R14W, Sec 31, oak savanna/sand prairie	29-Oct-99	GJB
Copablepharon longipenne	Mason: Ludington SP, dunes	20-Aug-99	GJB
Euxoa aurulenta	Oceana: Little Point Sable, dunes	01-Jun-99	GJB
Anicla infecta	Kalamazoo: Gourdneck SGA	28-Oct-99	GJB

Noctua pronuba very common	Oceana: Little Point Sable, dunes	11-Jun-99 - 12-Jun-99	GJB
Noctua pronuba	LENAWEE: Hudson Lakes SP & T8S, R2W, Sec 13	26-Jun-99 - 20-Aug-99	MCN
Noctua pronuba	SCHOOLCRAFT: Lake Superior SF	01-Aug-99	MCN
Noctua pronuba	CHEBOYGAN: Mackinaw SF	23-Aug-99 - 02-Sep-99	MCN
Noctua pronuba	ALLEGAN: T3N, R15W, Sec 34	05-Sep-99	GJB
Pyrrhia exprimens	Schoolcraft: Lake Superior SF	01-Aug-99	MCN

## MINNESOTA

Weber noted a long season, lasting almost seven months, beginning with *Nymphalis antiopa* on 31 March and ending with *Nymphalis vaualbum* on 25 October. Summer was quite damp but not hot, and fall was warmer and drier than in the past few years. Monitoring efforts showed that Monarch numbers were up dramatically from last year.

### Butterflies

#### HESPERIIDAE

Erynnis martialis	AITKIN: Jacobson Campground by Mississippi River	28-May-99	JWJ
Thymelicus lineola	BELTRAMI: Bemidji	17-Jul-99	JWJ

#### PIERIDAE

Nathalis iole	HUBBARD: Nevis	06-Sep-99	JWJ
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#### LYCAENIDAE

Everes amyntula	CASS: Shingobee Recreation Area	25-May-99	JWJ
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#### NYMPHALIDAE

Euptoieta claudia	BELTRAMI: Bemidji	17-Jul-99	JWJ
Boloria eunomia	CASS: Shingobee Recreation Area	07-Jun-99	JWJ
Phyciodes tharos	Becker: Tamarac NWR	20-Jul-99	JWJ
Euphydryas phaeton	BELTRAMI: road along Hubbard County line	16-Jul-99 - 17-Jul-99	JWJ
Satyrodes eurydice	CLAY: Whiskey Creek	04-Jul-99	JWJ

### Moths

#### OECOPHORIDAE

Agonopterix flavicomella STATE RECORD?	Roscoe: Lost Nation SF	22-Aug-99	MS
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#### TORTRICIDAE

Phaneta refusana STATE RECORD, flushed during day in grassy field	Anoka: Carlos Avery WMA	01-May-99	MS
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## OHIO

### Butterflies

#### PAPILIONIDAE

Papilio polyxenes	Preble: Eaton	16-May-99	MDS
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#### LYCAENIDAE

Strymon melinus	Preble: Eaton	04-Sep-99	MDS
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#### NYMPHALIDAE

Junonia coenia	Preble: Eaton	12-Sep-99	MDS
Speyeria cybele	Warren: Clear Creek Twp.	01-Jul-99	MDS

### Moths

#### SATURNIIDAE

Eacles imperialis	Warren: Clear Creek Twp.	01-Jul-99	MDS
Sphingicampa bicolor	Warren: Clear Creek Twp.	01-Jul-99	MDS
Automeris io	Warren: Clear Creek Twp.	16-May-99	MDS

#### SPHINGIDAE

Hemaris diffinis	Preble: Eaton	22-Aug-99	MDS
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#### ARCTIIDAE

Grammia virgo	Warren: Clear Creek Twp.	31-Jul-99	MDS
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## WEST VIRGINIA

### Butterflies

#### HESPERIIDAE

Thorybes pylades	GRANT: Cave Mountain W. of Landes	14-Jun-96	RHS
Thymelicus lineola	GRANT: Cave Mountain W. of Landes	14-Jun-96	RHS
Hesperia sassacus	GRANT: Cave Mountain W. of Landes	14-Jun-96	RHS
Euphyes vestris	GRANT: Cave Mountain W. of Landes	14-Jun-96	RHS

#### PAPILIONIDAE

Papilio cressphontes	GRANT: Cave Mountain W. of Landes	14-Jun-96	RHS
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## WISCONSIN

The season began early, but not as early as 1998. Sabourin noted a mild winter and fall, and temperate summer. He stated this was the first time in the six years he has lived in the Midwest that he was able to collect for 11 months of the year (February - December). The Swengels reported the best season for migrants in recent years, with *Hylephila phyleus*, *Eutoieta claudia*, and *Junonia coenia* being the most common and widespread. Other migrants included *Atalopedes campestris*, *Pontia protodice*, *Zerene cesonia*, *Phoebis sennae eubule*, *Eurema lisa*, *Nathalis iole*, *Strymon melinus*, *Hemiargus isola*, and *Libytheana carinenta*. Several southern moths were also recorded including *Xylophanes tersa*, *Thysania zenobia*, and *Magusa orbifera*. Monarchs were seen from 14 May through 15 October, with numbers significantly up from last year.

### Butterflies

#### HESPERIIDAE

<i>Erynnis persius</i>	Adams: Quincy Twp.	11-May-99	SCB
<i>Erynnis persius</i>	MARQUETTE: Observatory Hill SNA	14-May-99	CBF
<i>Erynnis persius</i>	Eau Claire: Coon Fork Barrens SNA	26-May-99	TR
<i>Carterocephalus palaemon mandan</i>	ADAMS: Quincy Twp.	11-May-99	SCB
<i>Hylephila phyleus</i>	Dane: U. W. Campus	26-Jul-99	TR
<i>Hylephila phyleus</i>	RICHLAND: Lone Rock	28-Aug-99	LAF
<i>Hylephila phyleus</i>	Grant: Cassville & Jamestown Twp.	28-Aug-99	P/F
<i>Hylephila phyleus</i>	SAUK: Int. Crane Foundation & Baraboo	10-Sep-99 - 26-Sep-99	SAS
<i>Hesperia leonardus</i>	Wood: Hwy. X	04-Aug-99 - 25-Aug-99	SAS
<i>Hesperia leonardus</i>	Portage: Buena Vista Marsh	17-Aug-99	SAS
<i>Atalopedes campestris</i>	DANE: U. W. Campus	26-Jul-99	TR
<i>Atalopedes campestris</i>	RICHLAND: Lone Rock	28-Aug-99	LAF
<i>Atalopedes campestris</i>	WAUKESHA: Hartland	25-Oct-99	JAE
<i>Poanes massasoit</i>	Marquette: Germania Marsh	10-Jul-99	P/F
<i>Poanes viator</i>	MARQUETTE: Germania Marsh	10-Jul-99	P/F
<i>Euphyes dion</i>	MARQUETTE: Germania Marsh	10-Jul-99	P/F
<i>Atrytonopsis hianna</i>	CLARK: Foster Twp.	29-May-99	P/F

#### PAPILIONIDAE

<i>Papilio cressphontes</i>	Grant: Jamestown Twp.	28-Aug-99	LAF
<i>Eurytides marcellus</i> sight record	Milwaukee: Fox Point	26-Jun-99	RJB

#### PIERIDAE

<i>Pontia protodice</i>	GREEN: Muralt & Oliver Prairie SNA's	12-Jul-99 - 26-Jul-99	SAS
<i>Pontia protodice</i>	Burnett: Crex Meadows	21-Jul-99	SAS
<i>Zerene cesonia</i>	Sauk: International Crane Foundation	28-Aug-99	SAS
<i>Phoebis sennae eubule</i>	ADAMS: Quincy Twp.	22-Aug-99	SCB
<i>Phoebis sennae eubule</i>	Grant: Jamestown Twp.	28-Aug-99	P/F
<i>Eurema lisa</i>	Jackson: Jackson County Forest	08-Jun-99 - 08-Aug-99	SAS
<i>Eurema lisa</i>	Sauk: Int. Crane Foundation & Mirror L. SP	11-Jun-99 - 16-Aug-99	SAS
<i>Eurema lisa</i>	COLUMBIA: Rocky Run	11-Jul-99	SAS
<i>Eurema lisa</i>	Portage: Buena Vista Marsh	17-Aug-99	SAS
<i>Eurema lisa</i>	Grant: Cassville & Jamestown Twp.	28-Aug-99	P/F
<i>Eurema lisa</i>	Crawford: Prairie Du Chien	28-Aug-99	P/F
<i>Nathalis iole</i>	Sauk: Int. Crane Foundation & Mirror L. SP	30-Jul-99 - 16-Oct-99	SAS
<i>Nathalis iole</i>	Douglas: Murray L. Rd. & Cheney L. Rd.	03-Aug-99	SAS
<i>Nathalis iole</i>	Portage: Buena Vista Marsh	04-Aug-99	SAS
<i>Nathalis iole</i>	Wood: Hwy. X	04-Aug-99	SAS
<i>Nathalis iole</i>	Jackson: Jackson County Forest	08-Aug-99	SAS
<i>Nathalis iole</i>	Adams: Quincy Twp.	22-Aug-99	SCB
<i>Nathalis iole</i>	Crawford: Prairie Du Chien	28-Aug-99	P/F

#### LYCAENIDAE

<i>Feniseca tarquinius</i>	Taylor: Chelsea	25-Aug-99	SCB
<i>Callophrys grynea</i>	Grant: Cassville	02-May-99	CBF
<i>Callophrys grynea</i>	Marquette: Observatory Hill SNA	14-May-99	LAF
<i>Callophrys irus</i>	Wood: Hwy. X	04-May-99	SAS
<i>Callophrys irus</i>	Jackson: Jackson County Forest	04-May-99	SAS
<i>Callophrys henrici</i>	Eau Claire: Pea Creek Sedge Meadow SNA	01-May-99	TR
<i>Callophrys henrici</i>	Jackson: Jackson County Forest	04-May-99	SAS
<i>Callophrys henrici</i>	Waushara: Wild Rose	10-May-99	TR
<i>Strymon melinus</i>	WAUSHARA: Cedar Springs SFA	10-May-99	TR
<i>Strymon melinus</i>	ADAMS: Quincy Twp.	11-May-99	SCB
<i>Strymon melinus</i>	JACKSON: Jackson County Forest	08-Jun-99 - 08-Aug-99	SAS
1 specimen, orienting to lupine			
<i>Strymon columella</i>	CRAWFORD: Prairie Du Chien	28-Aug-99	P/F
STATE RECORD, one specimen nectaring on Vervain			

Hemiargus isola 1 specimen, attr. to rabbitfoot clover	JACKSON: Jackson County Forest	27-Jul-99 - 08-Aug-99	SAS
Hemiargus isola 1 specimen	Sauk: International Crane Foundation	13-Aug-99	SAS
Celastrina neglecta	MARQUETTE: Comstock Bog SNA	04-Jul-99	LAF
Lycæides melissa samuelis	Marquette: Observatory Hill SNA	14-May-99	LAF
<b>RIODINIDAE</b>			
Calephelis muticum	Marquette: Chaffee Creek	14-Jul-99	SAS
Calephelis muticum 12 larvae on swamp thistle	Marinette: Pound	02-Aug-99	SSB
<b>NYMPHALIDAE</b>			
Libytheana carinenta	Green: Muralt Prairie SNA	26-Jul-99	SAS
Libytheana carinenta	Iowa: Thompson Prairie	26-Jul-99	SAS
Libytheana carinenta	Sauk: International Crane Foundation	16-Aug-99	SAS
Libytheana carinenta also TR and LAF	Grant: Cassville	28-Aug-99	JCP
Junonia coenia	Jackson: Jackson County Forest	08-Jun-99 - 25-Aug-99	SAS
Junonia coenia	Portage: Buena Vista Marsh	09-Jun-99 - 17-Aug-99	SAS
Junonia coenia	Sauk: International Crane Foundation	11-Jun-99 - 20-Sep-99	SAS
Junonia coenia	COLUMBIA: Rocky Run	11-Jul-99	SAS
Junonia coenia	ADAMS: Leola Wildlife Area	14-Jul-99	SAS
Junonia coenia	Burnett: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Junonia coenia	Bayfield: Moquah Barrens	21-Jul-99	SAS
Junonia coenia	Burnett: Crex Meadows	21-Jul-99	SAS
Junonia coenia	Grant: Cassville	28-Aug-99	P/F
Euptoieta claudia	Jackson: Jackson County Forest	08-Jun-99	SAS
Euptoieta claudia	Burnett: Crex Meadows	21-Jul-99	SAS
Euptoieta claudia	Iowa: Thompson Prairie	26-Jul-99	SAS
Euptoieta claudia	Green: Oliver Prairie SNA	26-Jul-99	SAS
Euptoieta claudia	Portage: Buena Vista Marsh	28-Jul-99 - 17-Aug-99	SAS
Speyeria idalia	Portage: Buena Vista Marsh	23-Jun-99 - 17-Aug-99	SAS
Speyeria idalia	St. Croix: Roberts	09-Jul-99	SAS
Boloria eunomia dawsoni	Douglas: Oakland Twp.	12-Jun-99	JCP
Boloria frigga	Forest: Mole Lake	22-May-99	TR
Boloria titania grandis	Douglas: Summit Twp.	17-Aug-99	LAF
Oeneis jutta ascerta	Clark: Foster Twp.	29-May-99	LAF
Danaus plexippus early date	Marquette: Montello	14-May-99	LAF
Danaus plexippus	Sauk: International Crane Foundation	15-Oct-99	SAS
<b>Moths</b>			
<b>TORTRICIDAE</b>			
Eucosma simplex STATE RECORD, crepuscular flight activity	Burnett: Crex Meadows	29-Apr-99	MS
Epiblema benignatum STATE RECORD, at light	Burnett: Grantsburg	28-May-99	MS
<b>PYRALIDAE</b>			
Uresiphita reversalis	Dane: Middleton	03-Sep-99	LAF
<b>GEOMETRIDAE</b>			
Hesperumia sulphuraria	DOUGLAS: Solon Springs Barrens SNA	19-Jul-99	TR
Apodrepanulatrix liberaria	BURNETT: Kohler-Peet Barrens SNA	20-Aug-99	TR
Leptostales rubromarginaria	Marinette: Dunbar Barrens SNA	16-May-99	RJB
Triphosa haesitata affirmaria	Door: Bailey's Harbor	01-May-99	JJS
Orthonama evansi	WAUSHARA: Bass Lake Fen SNA	08-Jun-99	TR
Eupithecia ammonata STATE RECORD, eastern range extension, at light; det. G. J. Balogh	BURNETT: Grantsburg	26-May-98	MS
<b>SATURNIIDAE</b>			
Anisota stigma 75-100 specimens, all males, seen on 20-21 June by JCP and TR	Burnett: Kohler-Peet Barrens SNA	12-Jun-99 - 18-Jul-99	LAF
Anisota virginicensis	Burnett: Swiss Twp.	08-Jun-99	JCP
<b>SPHINGIDAE</b>			
Dolba hylaeus	Marquette: Comstock Bog SNA	23-Jul-99	JCP
Sphinx eremitus	MARQUETTE: Comstock Bog SNA	23-Jul-99	JCP
Hemaris gracilis	Adams: Quincy Twp.	11-May-99	SCB
Hemaris gracilis	EAU CLAIRE: South Fork Barrens SNA	26-May-99	TR
Xylophanes tersa	MARQUETTE: Comstock Bog SNA	09-Jul-99	JCP
Xylophanes tersa	Dane: Middleton	03-Sep-99	LAF
Hyles gallii	BAYFIELD: Moquah Barrens	07-Jun-99	JCP

**NOTODONTIDAE**

Schizura badia	BURNETT: Kohler-Peet Barrens SNA	12-Jun-99	LAF
Schizura apicalis	BURNETT: Kohler-Peet Barrens SNA	20-Jun-99	TR
Hyparpax aurora	Burnett: Kohler-Peet Barrens SNA	21-Jun-99	JCP

**ARCTIIDAE**

Epantheria scribonia larva (parasitized)	MARQUETTE: Observatory Hill SNA	31-Mar-99	LAF
Epantheria scribonia	Burnett: Kohler-Peet Barrens SNA	21-Jun-99	JCP
Grammia figurata also JCP and TR	BURNETT: Kohler-Peet Barrens SNA	12-Jun-99 - 21-Jun-99	LAF

**NOCTUIDAE**

Macrochilo litophora	Waushara: Cedar Springs SFA	15-May-99	TR
Macrochilo bivittata	FOREST: Mole Lake	20-Jul-99	TR
Mycterophora inexplicata	DOUGLAS: Solon Springs Barrens SNA	19-Jul-99	TR
Metalectra tantillus	Jackson: Black River Falls	07-Jun-99	TR
Panopoda carneicosta	Jackson: Bauer-Brockway Barrens SNA	07-Jun-99	TR
Drasteria graphica	Waushara: Coloma	15-May-99 - 08-Jun-99	TR
Thysania zenobia collected by Ryan Brady, third historic record and farthest north in WI	BAYFIELD: N. Gt. Lks. Visitor Center	21-Sep-99	LAF
Zale phaeocapna	Grant: Nelson Dewey State Park	19-May-99	TR
Catocala judith	MARQUETTE: Observatory Hill SNA	23-Jul-99	LAF
Catocala meskei	Dane: Middleton	14-Aug-99	CBF
Catocala whitneyi	BURNETT: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Catocala amestris	BURNETT: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Catocala amestris	Burnett: Grantsburg	23-Aug-99	MS
Catocala connubialis	WAUSHARA: Cedar Springs SFA	15-May-99	TR
Catocala connubialis	MARQUETTE: Comstock Bog SNA	09-Jul-99 - 23-Jul-99	JCP
Abrostola ovalis	BURNETT: Kohler-Peet Barrens SNA	24-Jul-99	JCP
Paectes oculatrix	BURNETT: Kohler-Peet Barrens SNA	12-Jun-99	LAF
Paectes oculatrix	TREMPEALEAU: Trempealeau	31-Jul-99	RJB
Oruza albocostaliata	BURNETT: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Cerma cora	DOUGLAS: Solon Springs Barrens SNA	28-May-99	TR
Tarachidia semiflava	Waushara: Wautoma (White River SFA)	15-May-99	TR
Bagisara rectifascia	DOUGLAS: Solon Springs Barrens SNA	20-Aug-99	TR
Acronicta funeralis	BURNETT: Kohler-Peet Barrens SNA	21-Jun-99	JCP
Acronicta afflicta	BAYFIELD: Moquah Barrens	08-Jun-99	JCP
Psychomorpha epimenis	BURNETT: Grantsburg	03-May-99	MS
Apamea apamiformis	Waushara: Bass Lake Fen SNA	12-Jul-99	TR
Apamea apamiformis	Oneida: Rice Lake-Thunder Lake SNA	17-Jul-99	LAF
Apamea apamiformis	Forest: Mole Lake	20-Jul-99	TR
Apamea plutonia	DOUGLAS: Solon Springs Barrens SNA	19-Jul-99	TR
Apamea mixta	FOREST: Logger Lake	20-Jul-99	TR
STATE RECORD			
Apamea mixta	LANGLADE: Bogus Swamp SNA	20-Jul-99	TR
Chortodes basistriga	Oneida: Rice Lake-Thunder Lake SNA	08-Sep-99	LAF
Apamea lateritia	DOUGLAS: Solon Springs Barrens SNA	20-Jun-99	TR
Apamea lateritia	Forest: Armstrong Creek Bog	01-Jul-99	RJB
Papaipema eupatorii	Jackson: Black River Falls	18-Sep-99	JCP
Bellura brehmei	FOREST: Armstrong Creek Bog	02-Jul-99	RJB
Bellura densa	MARQUETTE: Comstock Bog SNA	23-Jul-99	LAF
Magusa orbifera	RICHLAND: Richwood Twp.	10-Jul-99	JCP
Magusa orbifera	Jackson: Bauer-Brockway Barrens SNA	16-Aug-99	TR
Magusa orbifera	BAYFIELD: Raspberry Island	16-Aug-99	LAF
Magusa orbifera	DOUGLAS: Solon Springs Barrens SNA	20-Aug-99	TR
Caradrina multiferata	BAYFIELD: Raspberry Island	16-Aug-99	LAF
Apamea ophiogramma	FOREST: Armstrong Creek Bog	01-Jul-99 - 03-Jul-99	RJB
STATE RECORD, several specimens			
Apamea ophiogramma	WAUSHARA: Bass Lake Fen SNA	12-Jul-99	TR
Apamea ophiogramma	ONEIDA: Rice Lake-Thunder Lake SNA	17-Jul-99	LAF
Lithophane franclemonti	MARQUETTE: Observatory Hill SNA	27-Mar-99 - 31-Mar-99	P/F
Lithophane franclemonti	Dane: Festge County Park	04-Apr-99	TR
Xylotype acadia	Jackson: Black River Falls	18-Sep-99	JCP
Psaphida thaxteriana	MARQUETTE: Observatory Hill SNA	27-Mar-99 - 01-Apr-99	JCP
Homohadena badistriga	BURNETT: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Homohadena infixa	BURNETT: Kohler-Peet Barrens SNA	21-Jun-99	JCP
Oncocnemis viriditincta	DOUGLAS: Solon Springs Barrens SNA	20-Aug-99	TR
Sideridis congermana	DOUGLAS: Solon Springs Barrens SNA	20-Jun-99 - 19-Jul-99	TR

Orthosia segregata	Door: Bailey's Harbor	02-May-99	JJS
Euxoa divergens	DOUGLAS: Solon Springs Barrens SNA	20-Jun-99	TR
Euxoa quebecensis	Bayfield: Raspberry Island	21-Jun-99	LAF
Euxoa quebecensis	Ashland: Outer, Rocky & Stockton Islands	21-Jun-99	LAF
Euxoa lidia thanatologia	DOUGLAS: Solon Springs Barrens SNA	20-Jun-99	TR
Euxoa auxiliaris	BURNETT: Kohler-Peet Barrens SNA	12-Jun-99	LAF
Euxoa mimallonis	DOUGLAS: Solon Springs Barrens SNA	20-Aug-99	TR
Richia grotei	RICHLAND: Richwood Twp.	20-Aug-99	JCP
Xestia praevia	Vilas: Land O' Lakes Twp.	14-Jul-99	JCP
Xestia praevia	Burnett: Kohler-Peet Barrens SNA	18-Jul-99	LAF
Xestia praevia	Forest: Armstrong Creek Bog	20-Jul-99	TR
Paradiarsia littoralis	Burnett: Namekagon Barrens	20-Jun-99	TR
Cerastis fishii	DOUGLAS: Milchesky Road Bog	28-May-99	TR
Noctua pronuba	Waushara: Bass Lake Fen SNA	08-Jun-99	LAF
Noctua pronuba	MARATHON: Wausau	18-Jun-99 - 23-Sep-99	JCP
Noctua pronuba	LINCOLN: Gleason	19-Jun-99	JCP
Noctua pronuba	FOREST: Armstrong Creek Bog	01-Jul-99 - 03-Jul-99	RJB
Noctua pronuba	DOUGLAS: Solon Springs Barrens SNA	19-Jul-99	TR
Noctua pronuba	MARQUETTE: Comstock Bog SNA	23-Jul-99	LAF
Noctua pronuba	DANE: Madison	26-Jul-99 - 01-Aug-99	TR
Noctua pronuba	RICHLAND: Lone Rock	10-Aug-99	LAF
Noctua pronuba	DOOR: Bailey's Harbor	14-Aug-99	JJS
Noctua pronuba	ONEIDA: Rice Lake-Thunder Lake SNA	14-Aug-99	LAF
Noctua pronuba	Ashland: Rocky Island	16-Aug-99	LAF
Noctua pronuba	BURNETT: Kohler-Peet Barrens SNA	20-Aug-99	TR
Heliothis phloxiphagus	CRAWFORD: Prairie du Chien	21-Aug-99	JCP
Heliothis acesias	RICHLAND: Richwood Twp.	10-Jul-99	JCP
Heliothis acesias	ROCK: Beloit	19-Jul-99	WEK
Schinia indiana	Burnett: Crex Meadows & Danbury	25-May-99	SAS
Schinia indiana	Jackson: Jackson County Forest	01-Jun-99	SAS
Schinia lucens	ST. CROIX: Roberts	09-Jul-99	SAS
Schinia lucens	IOWA: Deer Valley Golf Course	15-Jul-99	SAS

## Zone 9 Southeast

## Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee, Virginia

Coordinator: Brian G. Scholtens

### Contributors Cited:

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 FP : Fred Paras  
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## FLORIDA

### Butterflies

#### HESPERIIDAE

Epargyreus clarus	SARASOTA:	21-Feb-99	TSW
Poanes aaroni	Marion: 1 mi. N. of Moss Bluff	16-Sep-99	SCB
Euphyes berryi	ALACHUA: Newnans Lake	08-Sep-99	TMN
Euphyes berryi	Marion: 1 mi. N. of Moss Bluff	16-Sep-99	SCB
Amblyscirtes hegon	SARASOTA:	21-Aug-99 - 28-Sep-99	TSW
extreme southern record for this species			

#### PAPILIONIDAE

Battus philenor	Sarasota:	03-Sep-99 - 08-Sep-99	TSW
Papilio glaucus	SARASOTA:	31-May-99 - 23-Nov-99	TSW
Papilio troilus	Marion: 1 mi. N. of Moss Bluff	16-Sep-99	SCB
Papilio palamedes	DESOTO: along Peace River	16-Apr-99	TSW
Eurytides marcellus	Sarasota:	21-May-99 - 24-May-99	TSW
Eurytides marcellus	Sarasota:	16-Oct-99	TSW

**PIERIDAE**

Pontia protodice female nectaring at Coreopsis	Sarasota:	31-May-99	TSW
Eurema nicippe	Sarasota:	01-Aug-99 - 28-Sep-99	TSW

**LYCAENIDAE**

Fixsenia favonius specimen on late date nectaring on Serenoa repens (Saw Palmetto)	SARASOTA:	25-Apr-99 - 16-May-99	TSW
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**Moths****SATURNIIDAE**

Sphingicampa bicolor State record	Levy: Gulf Hammock	10-Sep-99 - 12-Sep-99	JRS
Automeris io form lilith	Sarasota:	15-Sep-99	TSW

**NOCTUIDAE**

Eudocima materna	Levy: Otter Creek	14-May-99	JRS
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**GEORGIA****Butterflies****HESPERIIDAE**

Epargyreus clarus	Cobb: 4935 Shadowood Parkway	04-Aug-99	DM
Epargyreus clarus	Houston: Airport	25-Sep-99	DM
Urbanus proteus	Cobb: Chattahoochee NRA/Cochran Shoals	07-Aug-99	DM
Urbanus proteus	Glynn: Jekyll Island/soccer complex	15-Aug-99	DM
Autochton cellus	Walker: Pigeon Mountain Rec. Area, SW of LaFayette	16-May-98	JKA
Achalarus lyciades	Cobb: Kennesaw Mountain	06-Jun-99	DM
Thorybes pylades	Cobb: Kennesaw Mountain	29-May-99	DM
Thorybes pylades	Cobb: Kennesaw Mountain	06-Jun-99	DM
Erynnis juvenalis	Cobb: Rottonwood Creek	20-Mar-99	DM
Erynnis horatius	Houston: Airport	20-Jun-99	DM
Erynnis horatius	Cobb: Chattahoochee NRA/Cochran Shoals	03-Jul-99	DM
Erynnis baptisiae	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Lerema accius	Cobb: Rottonwood Creek	02-May-99	DM
Lerema accius	Houston: Airport	20-Jun-99	DM
Ancyloxypha numitor	Cobb: Chattahoochee NRA/Cochran Shoals	21-Nov-99	DM
Hylephila phyleus	Cobb: 4935 Shadowood Parkway	02-Aug-99	DM
Hylephila phyleus	DeKalb: Stone Mountain/Mariott Conference Center	15-Oct-99	DM
Polites vibex	Glynn: Jekyll Island/soccer complex	15-Aug-99	DM
Wallengrenia egeremet	Union: Rt. 60 ca. Morgantown	26-Jun-99	B/B
Poanes zabulon	Cobb: Rottonwood Creek	01-May-99	DM
Euphyes vestris	Cobb: Kennesaw Mountain	29-May-99	DM
Amblyscirtes hegon	Union: Rt. 60 ca. Morgantown	25-Jun-99	B/B
Amblyscirtes aesculapius	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Amblyscirtes carolina	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	03-May-98	IF
Amblyscirtes vialis	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Amblyscirtes belli	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Lerodea eufala	Glynn: Jekyll Island/northeast end	15-Aug-99	DM
Panoquina panoquin	Glynn: Jekyll Island/soccer complex	15-Aug-99	DM
Panoquina ocola	Cobb: 4935 Shadowood Parkway	30-Jul-99	DM

**PAPILIONIDAE**

Papilio polyxenes	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Papilio polyxenes	Cobb: Kennesaw Mountain	06-Jun-99	DM
Papilio crespontes	Cobb: Kennesaw Mountain	29-May-99	DM
Papilio crespontes	Glynn: Jekyll Island	15-Aug-99	DM
Papilio glaucus	Cobb: Rottonwood Creek	20-Mar-99	DM
Papilio troilus	Cobb: Chattahoochee NRA/Cochran Shoals	05-Aug-99	DM
Papilio palamedes	Glynn: Jekyll Island	15-Aug-99	DM
Eurytides marcellus	Cobb: Kennesaw Mountain	06-Jun-99	DM

**PIERIDAE**

Pieris rapae	Houston: Airport	20-Feb-99	DM
Pieris rapae	Glynn: Jekyll Island	15-Aug-99	DM
Colias philodice	Cobb: Chattahoochee NRA/Cochran Shoals	07-Aug-99	DM
Colias eurytheme	Cobb: Chattahoochee NRA/Cochran Shoals	17-Oct-99	DM
Phoebis sennae	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Phoebis sennae	McIntosh: Harris Neck NWR	14-Aug-99	DM
Phoebis sennae	Glynn: Jekyll Island	15-Aug-99	DM
Phoebis sennae	Houston: Airport	25-Sep-99	DM



Phoebis sennae	DeKalb: Stone Mountain	15-Oct-99	DM
Phoebis agarithe State record	Walker: Pigeon Mountain Rec. Area, SW of LaFayette	12-Sep-99	JKA
Eurema lisa	DeKalb: Stone Mountain	15-Oct-99	DM
Eurema lisa	Cobb: Chattahoochee NRA/Cochran Shoals	17-Oct-99	DM
Eurema nicippe	Cobb: Chattahoochee NRA/Cochran Shoals	07-Aug-99	DM
Eurema nicippe	Pulaski: Tom Taylor Rd. - Box 3360	24-Oct-99	DM
Eurema दौरा	McIntosh: Harris Neck NWR	14-Aug-99	DM
Eurema दौरा	Glynn: Jekyll Island	15-Aug-99	DM
<b>LYCAENIDAE</b>			
Feniseca tarquinius	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Satyrium titus	Cobb: Kennesaw Mountain	06-Jun-99	DM
Satyrium titus	Union: Rt. 60 ca. Morgantown	28-Jun-99	B/B
Satyrium calanus	Cobb: Kennesaw Mountain	29-May-99	DM
Satyrium liparops	Cobb: Rottonwood Creek	16-May-99	DM
Calycopis cecrops	Cobb: Rottonwood Creek	27-Mar-99	DM
Calycopis cecrops	Houston: 1217 Sunset Ave., Perry	20-Jun-99	DM
Calycopis cecrops	DeKalb: Stone Mountain	15-Oct-99	DM
Calycopis cecrops late season record	Whitfield: Carbondale (exit 134 off I-75)	09-Dec-99	JKA
Parrhasius m-album	Cobb: Kennesaw Mountain	18-Sep-99	DM
Strymon melinus	Glynn: Jekyll Island/northeast end	15-Aug-99	DM
Eora laeta	Walker: Pigeon Mountain Rec. Area, SW of LaFayette	12-Apr-99	BR
Leptotes cassius	Fulton: Atlanta	29-Sep-97	IF
Leptotes marina State record	Fulton: Atlanta	17-Jul-98	BR
Everes comyntas	Cobb: Rottonwood Creek	20-Mar-99	DM
Everes comyntas	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Celastrina ladon	Cobb: Rottonwood Creek	28-Mar-99	DM
Celastrina neglecta eggs and larvae on Cimicifuga racemosa flowers, reared to diapausing pupae	Bartow: Allatoona Dam Recreation Area	23-May-99	RWB
<b>NYMPHALIDAE</b>			
Agraulis vanillae	McIntosh: Harris Neck NWR	14-Aug-99	DM
Agraulis vanillae	Glynn: Jekyll Island	15-Aug-99	DM
Agraulis vanillae	DeKalb: Stone Mountain	15-Oct-99	DM
Agraulis vanillae	Cobb: Chattahoochee NRA/Cochran Shoals	17-Oct-99	DM
Polygonia interrogationis	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Polygonia comma	Cobb: Chattahoochee NRA/Cochran Shoals	10-Jul-99	DM
Polygonia faunus	Union: Rt. 60 ca. Morgantown	29-Jun-99	B/B
Nymphalis antiopa	Cobb: Kennesaw Mountain	06-Jun-99	DM
Vanessa virginiensis	Cobb: 3216 Shadowood Parkway	21-Mar-99	DM
Vanessa virginiensis	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Vanessa virginiensis	DeKalb: Stone Mountain	15-Oct-99	DM
Vanessa atalanta	Cobb: Chattahoochee NRA/Cochran Shoals	05-Aug-99	DM
Junonia coenia	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Junonia coenia	Houston: Airport	20-Jun-99	DM
Junonia coenia	Cobb: Chattahoochee NRA/Cochran Shoals	07-Aug-99	DM
Junonia coenia	DeKalb: Stone Mountain	15-Oct-99	DM
Euptoieta claudia	Cobb: Rottonwood Creek	02-May-99	DM
Euptoieta claudia	Houston: Airport	25-Sep-99	DM
Euptoieta claudia	Cobb: Chattahoochee NRA/Cochran Shoals	02-Oct-99	DM
Speyeria diana	Union: Rt. 60 ca. Morgantown	25-Jun-99	B/B
Phyciodes tharos	Cobb: Rottonwood Creek	28-Mar-99	DM
Chlosyne nycteis	Cobb: Chattahoochee NRA/Cochran Shoals	03-Jul-99	DM
Euphydryas phaeton	Gordon: Calhoun area	09-May-98	JKA
Limenitis arthemis astyanax	Cobb: Chattahoochee NRA/Cochran Shoals	05-Aug-99	DM
Limenitis archippus	Cobb: Chattahoochee NRA/Cochran Shoals	07-Aug-99	DM
Asterocampa celtis	Cobb: Kennesaw Mountain	29-May-99	DM
Enodia portlandia in low areas near cane	Union: Rt. 60 ca. Morgantown	27-Jun-99	B/B
Cyllopsis gemma	Union: Rt. 60 ca. Morgantown	25-Jun-99	B/B
Cyllopsis gemma	Cobb: Kennesaw Mountain	18-Sep-99	DM
Hermeuptychia sosybius	Cobb: 3216 Shadowood Parkway	10-Apr-99	DM
Hermeuptychia sosybius	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM
Hermeuptychia sosybius	Union: Rt. 60 ca. Morgantown	25-Jun-99	B/B
Hermeuptychia sosybius	Glynn: Jekyll Island	15-Aug-99	DM
Megisto cymela	Pulaski: Tom Taylor Rd. - Box 3360	09-May-99	DM

Megisto cymela	Cobb: Kennesaw Mountain	06-Jun-99	DM
Danaus plexippus	Bartow: 11 Sheffield Place, Cartersville	02-Oct-99	DM
Danaus plexippus	DeKalb: Stone Mountain	15-Oct-99	DM
<b>Moths</b>			
<b>LIMACODIDAE</b>			
Phobetron pithecium several taken	Whitfield: Dalton/Rocky Face area	12-Jul-98 - 19-Jul-98	JKA
Adoneta bicaudata few taken	Whitfield: Dalton/Rocky Face area	12-Jul-98	JKA
Euclea nanina several taken	Whitfield: Dalton/Rocky Face area	12-Jul-98	JKA
<b>THYRIDIDAE</b>			
Thyris sepulchralis	Lumpkin: downtown Dahlonega	28-Jun-99	B/B
<b>THYATIRIDAE</b>			
Habrosyne scripta	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	07-May-99	IF
<b>GEOMETRIDAE</b>			
Paleacrita merriccata 2nd record in state	Whitfield: Dalton/Rocky Face area	27-Feb-98	JKA
Lytrosis permagnaria	Whitfield: Dalton/Rocky Face area	16-May-99	JKA
Euchlaena madusaria	Whitfield: Dalton/Rocky Face area	27-Sep-99	JKA
Euchlaena marginaria	Whitfield: Dalton/Rocky Face area	27-Sep-99	JKA
Ceratomyx satanaria	Whitfield: Carbondale (exit 134 off I-75)	04-Mar-97	JKA
Ceratomyx satanaria	Whitfield: Dalton/Rocky Face area	27-Mar-98 - 28-Mar-98	JKA
Caripeta divisata several taken	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	07-May-99	IF
Mesoleuca ruficillata State record	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<b>LASIOCAMPIDAE</b>			
Heteropacha rileyana	Lumpkin: downtown Dahlonega	28-Jun-99	B/B
<b>SATURNIIDAE</b>			
Citheronia sepulchralis	Lumpkin: downtown Dahlonega	25-Jun-99	B/B
Actias luna late season record	Whitfield: Carbondale (exit 134 off I-75)	21-Oct-99	JKA
<b>SPHINGIDAE</b>			
Sphinx franckii	Whitfield: Dalton/Rocky Face area	16-Jun-99	JKA
Paonias astylus	Lumpkin: downtown Dahlonega	29-Jun-99	B/B
Darapsa versicolor	Lumpkin: downtown Dahlonega	27-Jun-99	B/B
<b>NOTODONTIDAE</b>			
Hyparpax aurora	Whitfield: Dalton/Rocky Face area	14-May-98 - 22-May-98	JKA
<b>ARCTIIDAE</b>			
Euerythra phasma	Dade: Wildwood	03-May-98	JKA
Syntomeida epilais	Glynn: Jekyll Island	15-Aug-99	DM
<b>NOCTUIDAE</b>			
Macrochilo hypocritalis State record	Whitfield: Dalton/Rocky Face area	11-Jul-99	JKA
Drasteria grandirena	Macon: Highlands area	17-Jul-99	JKA
Zale helata	Lumpkin: Dahlonega	29-Jun-99	B/B
Argyrostromis quadrifilaris	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Catocala robinsoni form "missouriensis"	Gordon: Calhoun area	11-Oct-99	JKA
Polychrysis morigera State record	Whitfield: Dalton/Rocky Face area	20-May-98	JKA
Baileya doubledayi	Whitfield: Dalton/Rocky Face area	11-Jul-99	JKA
Tripudia quadrifera	Gordon: Calhoun area	29-May-99	JKA
Maliattha concinnimacula few records from state	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Panthea acronyctoides	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Acronicta innotata	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Acronicta funeralis	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Acronicta heitzmani State record	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Acronicta noctivaga	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
Acronicta noctivaga	Lumpkin: downtown Dahlonega	27-Jun-99	B/B
Merolonche dolli several taken	Whitfield: Dalton/Rocky Face area	28-Mar-98	JKA

<i>Apamea cristata</i> State record	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Apamea mixta</i> State record	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Apamea mixta</i>	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	28-Jun-98	IF
<i>Oligia crytora</i> State record	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	12-Jun-99	IF
<i>Amphipoea erepta</i> State record	Whitfield: Dalton/Rocky Face area	12-Jun-98	JKA
<i>Papaipema polymniae</i>	Bartow: NE corner of county, 4 mi. SE of Fairmount	09-Oct-99	JKA
<i>Papaipema arcivorens</i> State record	Whitfield: Dalton/Rocky Face area	12-Sep-98	JKA
<i>Papaipema eupatorii</i> State record	Whitfield: Dalton/Rocky Face area	18-Oct-98 - 29-Oct-98	JKA
<i>Euplexia benesimilis</i>	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Hyppa contrasta</i> State record	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Hyppa contrasta</i> 2nd record in state	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	13-Jun-98	IF
<i>Cosmia calami</i>	Lumpkin: downtown Dahlonega	29-Jun-99	B/B
<i>Lithophane lepida</i> 2nd record in state	Whitfield: Dalton/Rocky Face area	27-Feb-98	JKA
<i>Lithophane lepida</i> 3rd record for state	Whitfield: Carbondale (exit 134 off I-75)	06-Dec-99	JKA
<i>Eupsilia tristigmata</i> State record	Whitfield: Dalton/Rocky Face area	27-Feb-97	JKA
<i>Eupsilia tristigmata</i>	Whitfield: Dalton/Rocky Face area	28-Jan-98	JKA
<i>Eupsilia devia</i> State record	Whitfield: Dalton/Rocky Face area	15-Oct-99	JKA
<i>Metaxaglaea inulta</i> State record	Gordon: Calhoun area	17-Oct-99	JKA
<i>Feralia comstocki</i> State record	Gilmer: Gates Chapel Rd., 8 mi. NW of Ellijay	07-May-99	IF
<i>Psaphida thaxteriana</i> State record	Whitfield: Dalton/Rocky Face area	21-Feb-98	JKA
<i>Cucullia florea</i> 3rd record in state	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Melanchra adjuncta</i>	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA
<i>Trichosilia geniculata</i> 2nd, 3rd and 4th records from state	Whitfield: Dalton/Rocky Face area	27-Sep-99	JKA
<i>Agnorisma bollii</i>	Bartow: NE corner of county, 4 mi. SE of Fairmount	09-Oct-99	JKA
<i>Xestia youngii</i> State record	White: Helen	09-Oct-99	JKA
<i>Cerastis fishii</i> State record	Whitfield: Dalton/Rocky Face area	23-Mar-97	JKA
<i>Protolampra brunneicollis</i> State record	Walker: Taylor's Ridge, 5 mi. W. of Villanow, St. Hwy. 136	14-May-97	JKA
<i>Protolampra brunneicollis</i>	Walker: Taylor's Ridge, 5 mi. W. of Villanow, St. Hwy. 136	10-Jun-99	JKA
<i>Protolampra brunneicollis</i>	Bartow: NE corner of county, 4 mi. SE of Fairmount	09-Oct-99	JKA
<i>Abagrotis anchocelioides</i> State record	Whitfield: Dalton/Rocky Face area	11-Oct-99	JKA
<i>Abagrotis magnicupida</i> State record	Whitfield: Dalton/Rocky Face area	27-Sep-99	JKA
<i>Pyrrhia exprimens</i> few records from state	Gilmer: Cohutta Overlook, SR52 1 mi E of Murray Co. line	15-May-98	JKA

## MISSISSIPPI

### Butterflies

#### HESPERIIDAE

<i>Achalarus lyciades</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB
<i>Thorybes pylades</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB
<i>Hylephila phyleus</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB

#### LYCAENIDAE

<i>Satyrrium titus</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB
<i>Satyrrium calanus</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB

#### NYMPHALIDAE

<i>Anaea andria</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB
<i>Hermeuptychia sosybius</i>	Marshall: 2 mi. N. of Bethlehem	09-Jun-99	SCB

# NORTH CAROLINA

## Butterflies

### NYMPHALIDAE

*Phyciodes batesii* Clay: Chunky Gal Mountain, Rt. 64 @ TR77 24-May-98 FP

## Moths

### THYATIRIDAE

*Habrosyne scripta* Macon: Highlands area 05-Jun-99 JKA

### GEOMETRIDAE

*Orthofidonia exornata* Macon: Highlands area 05-Jun-99 JKA

*Eufidonia convergaria* Macon: Highlands area 15-May-99 - 05-Jun-99 JKA

*Lytrosis permagnaria* Macon: Highlands area 05-Jun-99 JKA

*Selenia alciphearia* Macon: Highlands area 05-Jun-99 JKA

far south record

*Cepphis armataria* Macon: Highlands area 26-Jun-99 JKA

*Anagoga occiduaria* Macon: Highlands area 05-Jun-99 JKA

*Plagodis kuetzingi* Macon: Highlands area 05-Jun-99 JKA

*Caripeta divisata* Macon: Highlands area 17-Jul-99 JKA

*Caripeta angustiorata* Macon: Highlands area 26-Jun-99 JKA

*Rheumaptera hastata* Macon: Highlands area 17-Jul-99 JKA

*Euphyia unangulata* Macon: Highlands area 05-Jun-99 JKA

### SPHINGIDAE

*Agrius cingulata* Macon: Highlands area 15-May-99 JKA

early record

### NOTODONTIDAE

*Peridea ferruginea* Macon: Highlands area 17-Jul-99 JKA

### ARCTIIDAE

*Spilosoma latipennis* Macon: Highlands area 05-Jun-99 JKA

### NOCTUIDAE

*Zanclognatha gypsalis* Macon: Highlands area 17-Jul-99 JKA

*Catocala crataegi* Macon: Highlands area 26-Jun-99 JKA

*Abrostola ovalis* Macon: Highlands area 05-Jun-99 JKA

*Diachrysia aeroides* Macon: Highlands area 26-Jun-99 JKA

*Chrysanympha formosa* Macon: Highlands area 05-Jun-99 - 26-Jun-99 JKA

*Maliattha concinnimacula* Macon: Highlands area 15-May-99 JKA

*Panthea acronyctoides* Macon: Highlands area 05-Jun-99 - 17-Jul-99 JKA

*Acronicta innotata* Macon: Highlands area 05-Jun-99 JKA

*Acronicta superans* Macon: Highlands area 05-Jun-99 JKA

*Acronicta fragilis* Macon: Highlands area 05-Jun-99 JKA

*Papaipema cataphracta* Jackson: Cullowhee 08-Oct-99 JKA

*Papaipema polymniae* Jackson: Cullowhee 08-Oct-99 JKA

*Papaipema impecuniosa* Jackson: Cullowhee 08-Oct-99 JKA

*Papaipema marginidens* Jackson: Cullowhee 08-Oct-99 JKA

*Papaipema rigida* JACKSON: Cullowhee 08-Oct-99 JKA

state record

*Papaipema cerussata* Jackson: Cullowhee 08-Oct-99 JKA

*Phlogophora iris* Macon: Highlands area 05-Jun-99 JKA

*Hyppa contrasta* Macon: Highlands area 15-May-99 JKA

*Feralia comstocki* Macon: Highlands area 15-May-99 - 05-Jun-99 JKA

*Sideridis congermana* Macon: Highlands area 05-Jun-99 JKA

far south record

*Polia nimbose* Macon: Highlands area 17-Jul-99 JKA

*Polia imbrifera* Macon: Highlands area 26-Jun-99 JKA

*Lacinipolia lorea* Macon: Highlands area 05-Jun-99 JKA

far south record

*Euxoa scholastica* Macon: Highlands area 26-Jun-99 JKA

*Ochropleura plecta* Macon: Highlands area 05-Jun-99 JKA

*Xestia normaniana* Jackson: Cullowhee 08-Oct-99 JKA

*Xestia smithii* Jackson: Cullowhee 08-Oct-99 JKA

*Eueretagrotis attenta* Macon: Highlands area 17-Jul-99 JKA

*Lycophotia phyllophora* Macon: Highlands area 26-Jun-99 JKA

*Noctua pronuba* Jackson: Cullowhee 08-Oct-99 JKA

*Pyrrhia exprimens* Macon: Highlands area 05-Jun-99 - 17-Jul-99 JKA

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## SOUTH CAROLINA

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### Butterflies

#### HESPERIIDAE

Pyrgus oileus	Charleston: Ft. Johnson on James Island	29-Oct-99	BCS
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#### LYCAENIDAE

Leptotes cassius	Charleston: Ft. Johnson on James Island	29-Oct-99	BCS
Hemiargus ceraunus	Charleston: Ft. Johnson on James Island	29-Oct-99	BCS

#### NYMPHALIDAE

Danaus gilippus	Charleston: Ft. Johnson on James Island	29-Oct-99	BCS
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## TENNESSEE

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### Butterflies

#### PAPILIONIDAE

Papilio glaucus	Franklin: Franklin Marion State Forest	14-Jul-99	RDK
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#### NYMPHALIDAE

Speyeria diana	Franklin: Franklin Marion State Forest	14-Jul-99	RDK
Limenitis arthemis astyanax	Franklin: Franklin Marion State Forest	14-Jul-99	RDK
Cercyonis pegala	Franklin: Franklin Marion State Forest	14-Jul-99	RDK

### Moths

#### SATURNIIDAE

Citheronia regalis	Marion: I-24 at Nickajack Lake exit #161	14-Jul-99	RDK
Sphingicampa bisecta	Marion: I-24 at Nickajack Lake exit #161	14-Jul-99	RDK
Callosamia angulifera	Marion: I-24 at Nickajack Lake exit #161	14-Jul-99	RDK

#### ARCTIIDAE

Grammia oithona	Marion: I-24 at Nickajack Lake exit #161	14-Jul-99	RDK
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#### NOCTUIDAE

Catocala flebilis	Franklin: Franklin Marion State Forest	14-Jul-99	RDK
Catocala dejecta	Marion: I-24 at Nickajack Lake exit #161	14-Jul-99	RDK

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## VIRGINIA

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### Butterflies

#### HESPERIIDAE

Achalarus lyciades	SHENANDOAH: Wheatfield	13-Jun-98	RHS
Thorybes pylades	FREDERICK: Gravel Springs	13-Jun-98	RHS
Atalopedes campestris	FREDERICK: Gore	31-May-99	RHS
Poanes zabulon	FREDERICK: Gore	05-Jun-99	RHS
Atrytonopsis hianna	Suffolk:	22-May-99	RWB
confined females oviposited on Andropogon, reared to diapausing mature larvae			
Amblyscirtes aesculapius	Suffolk:	23-Aug-99	RWB
confined females oviposited on Arundinaria tecta, reared to adults			
Amblyscirtes carolina	Suffolk:	16-Aug-99	RWB
confined females oviposited on Arundinaria tecta, reared to adults			
Amblyscirtes reversa	Suffolk:	22-May-99	RWB
confined females oviposited on Arundinaria tecta, reared to adults			

#### PAPILIONIDAE

Papilio cressphontes	FREDERICK: Gore	31-May-99	RHS
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#### LYCAENIDAE

Calycopis cecrops	FREDERICK: Gore	05-Jun-99	RHS
Strymon melinus	FREDERICK: Gore	26-Jun-99	RHS
Celastrina neglecta	Suffolk:	22-May-99	RWB
confined females oviposited on Oxydendron arboreum flower buds, reared to adults			

#### NYMPHALIDAE

Polygonia comma	FREDERICK: Gore	12-Jun-99	RHS
Vanessa atalanta	FREDERICK: Gravel Springs	16-Jun-97	RHS
Asterocampa clyton	FREDERICK: Gravel Springs	13-Jun-98	RHS



**Zone 10 Northeast****Maryland, New York, Pennsylvania, New  
England States, Maritime Provinces****Coordinator:** Mark J. Mello**Contributors Cited:**

JB1 : Jim Biggins

PD : Pat Dunkin

SG1 : Stephan Goldstein

GM : Gerald M. McWilliams

DLS : David L Smith

W/M : R.P. Webster &amp; P. de Maynadier

RWB : Richard W. Boscoe

BF : Barbara Farron

THN : Tor Hansen

MJM : Mark J. Mello

RHS : Richard H. Smith

RPW : Reginald P. Webster

RD : Robert Dirig

KG : Karl Gardner

HLY : Hans Loechelt-Yohioka

RO : Richard Orr

TAS : Thomas A. Stock

HW : Hal Wierenga

**DELAWARE****Butterflies****PAPILIONIDAE**

Papilio palamedes

KENT: Shearneck Pool, Bombay Hook NWR

17-Jul-99

TAS

**MAINE****Butterflies****HESPERIIDAE**

Erynnis juvenalis

HANCOCK: Twp. T9 SD, woods road N of Otter Bog, off Hwy 182

15-May-99

RPW

Erynnis juvenalis

WASHINGTON: Twp. 24 MD BPP, Allen Heath, Twp. 18 MD BPP

17-May-99 - 18-May-99

W/M

Hesperia comma laurentina  
nectaring on sea lavender

WASHINGTON: Lubec Twp, The Sand Bar

04-Aug-99

W/M

Amblyscirtes hegon

WASHINGTON: Twp. T19 MD Bpp, 1-2 mi. NW of Montegail Pond

10-Jun-99

W/M

**PAPILIONIDAE**

Papilio canadensis

WASHINGTON: Princeton Twp., 1.5 mi. E of S. Princeton

11-Jun-99

RPW

black spruce bog

**PIERIDAE**

Pieris rapae

WASHINGTON: Lubec Twp, The Sand Bar

04-Aug-99

W/M

nectaring on sea lavender

Colias philodice

WASHINGTON: Lubec Twp, The Sand Bar; Pembroke Twp., Ayers Jct.

14-May-99 - 04-Aug-99

W/M

**LYCAENIDAE**

Feniseca tarquinius

HANCOCK: Twp. T9 SD, woods road N of Otter Bog, off Hwy 182

15-May-99

RPW

Feniseca tarquinius

WASHINGTON: Twp. T19 MD BPP, 1-2 mi. NW of Montegail Pond

10-Jun-99

W/M

Lycaena epixanthe

WASHINGTON: Lubec, Perry, Harrington, Cutler, Trescott Twp's.

05-Jul-99 - 08-Jul-99

W/M

black spruce/crowberry and other bogs and heaths

Callophrys augustinus

WASHINGTON: Whitneyville, Jonesport, and Harrington Twps.

14-May-99 - 11-Jun-99

W/M

heaths and black spruce bogs

Callophrys henrici

WASHINGTON: Twp. T24, MD BPP, Allen Heath

17-May-99 - 18-May-99

W/M

Callophrys niphon

WASHINGTON: Pembroke, Marshfield, Franklin, and Deblois Twps.

14-May-99 - 16-May-99

RPW

black spruce bogs

Callophrys niphon

HANCOCK: Twp. T9 SD off Hwy. 182; Franklin Twp.

15-May-99 - 16-May-99

RPW

Celastrina ladon lucia

WASHINGTON: Whitneyville, Jonesport, Harrington, Deblois Twps

15-May-99 - 16-May-99

RPW

in and adjacent to black spruce bogs

Glaucopsyche lygdamus

WASHINGTON: Pembroke Twp., Ayers Jct.

14-May-99

RPW

Lycaeides idas empetri

Washington: Jonesport, Harrington, Cutler and Trescott Twps.

05-Jul-99 - 08-Jul-99

W/M

in and adjacent to black spruce bogs

**NYMPHALIDAE**

Polygonia faunus

Hancock: Franklin Twp., Hooper Heath

16-May-99

RPW

black spruce bog

Polygonia progne

WASHINGTON: Pembroke Twp., Ayers Jct.

14-May-99

RPW

Boloria bellona

WASHINGTON: Harrington Twp., Harrington

07-Jul-99

RPW

roadside adjacent to black spruce bog

Chlosyne nycteis

WASHINGTON: Columbia Twp., 3 mi. NW of Epping

10-Jun-99

W/M

Enodia anthedon

WASHINGTON: Jonesport Twp., along Kelly Point Rd.

05-Jul-99

RPW

Megisto cymela

WASHINGTON: Twp. T19 MD BPP, 1-2 mi. NW of Montegail Pond

10-Jun-99

W/M

## Moths

### GEOMETRIDAE

<i>Glena cognataria</i>	Washington: Columbia Twp., The Great Heath	10-Jun-99	W/M
<i>Rheumaptera subhastata</i>	Washington: Jonesport Twp., along Kelly Point Heath	09-Jun-99	W/M

### SPHINGIDAE

<i>Hemaris thysbe</i>	Washington: Jonseport, Princeton, T24 MD BPP Twp's.	15-May-99	RPW
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### ARCTIIDAE

<i>Holomelina lamae</i> black spruce/crowberry bogs	Washington: Jonesport, Harrington, Cutler, and Trescott Twps.	05-Jul-99	W/M
<i>Phragmatobia lineata</i> female, eggs laid in captivity and reared on Dandelion	Washington: Deblois Twp., 3 mi. N of Deblois	16-May-99	RPW

### NOCTUIDAE

<i>Hemipachnobia subporphyrea</i> black spruce bogs	Washington: Columbia Twp., Great Heath	10-Jun-99 - 11-Jun-99	W/M
<i>Noctua pronuba</i>	Washington: Jonesport Twp., Greenwood heaths	05-Jul-99 - 07-Jul-99	W/M

## MARYLAND

### Butterflies

#### PIERIDAE

<i>Pontia protodice</i>	Anne Arundel: Davidsonville transmitter site & Greenbury Point	06-Aug-99 - 30-Oct-99	HW
<i>Pontia protodice</i>	DORCHESTER: New Bridge	06-Sep-99	JB1
<i>Ascia monuste phileta</i>	CALVERT: Cove point	21-May-99	RO
<i>Phoebis sennae eubule</i>	Carroll: Mount Airy	05-Dec-99	DLS

#### LYCAENIDAE

<i>Calycopis cecrops</i> dozens along trails	Prince Georges: Bowie, Fran Uhler Natural Area	01-Aug-99	RHS
<i>Calycopis cecrops</i> via Richard Smith, dozens below pine trees	Talbot: Island Creek	03-Aug-99	PD
<i>Calycopis cecrops</i> via Richard Smith, dozens along park trails	Calvert: Calvert Cliffs and Flag Ponds State Parks	11-Aug-99	BF
<i>Callophrys niphon</i>	CARROLL: Mount Airy	25-Apr-99	DLS
<i>Parrhasius m-album</i>	QUEEN ANNES: Eastern Neck NWR	21-Aug-99	RHS

#### NYMPHALIDAE

<i>Libytheana carinenta</i>	QUEEN ANNES: Eastern Neck NWR	20-May-99	RHS
<i>Euptoieta claudia</i> between 50 to 100 appently in migration; nectaring at milkweed and dogbane	Wicomico: Mardella Springs	05-Jul-99	RHS
<i>Euptoieta claudia</i> between 50 to 100 appently in migration; nectaring at milkweed and dogbane	Dorchester: New Bridge	05-Jul-99	RHS
<i>Asterocampa clyton</i>	WORCESTER: Cedar Hall	09-Sep-99	RHS

## MASSACHUSETTS

### Butterflies

#### PIERIDAE

<i>Colias philodice</i> late date - one seen. Temp. in upper '50's	Bristol: Dartmouth	05-Dec-99	MJM
<i>Colias eurytheme</i> late date - several seen. Temp. in upper '50's	Bristol: Dartmouth	05-Dec-99	MJM

#### NYMPHALIDAE

<i>Nymphalis milberti</i> nectaring on Buddleia	BARNSTABLE: Commercial St., Wellfleet	09-Jul-99	THN
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### Moths

#### GEOMETRIDAE

<i>Itame brunneata</i>	Worcester: Worcester, Green Hill Park	08-Jun-99	MJM
<i>Itame n. sp.</i> 10 in trap, undescribed species near <i>inextricata</i>	Hampden: Westfield, near Barnes Airport	25-Jun-99	MJM
<i>Apodrepanulatrix liberaria</i>	Hampden: Westfield, SW face of East Mountain	08-Sep-99	MJM
<i>Metarranthis pilosaria</i>	WORCESTER: Rutland, Blood Swamp	15-Jun-99	MJM

#### NOTODONTIDAE

<i>Hyparpax aurora</i>	Worcester: Worcester, Frank Perkins Farm Conservation Area	08-Jun-99	MJM
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#### NOCTUIDAE

<i>Polypogon martha</i>	Westfield: East Mountain, south facing ridgetop	21-Jul-99	MJM
<i>Catocala muliercula</i>	WORCESTER: Worcester, Green Hill Park	21-Jul-99	MJM
<i>Lithacodia musta</i>	Worcester: Worcester, Green Hill Park	21-Jul-99	MJM
<i>Chytonix sensilis</i>	Worcester: Worcester, Frank Perkins Farm Conservation Area	21-Jul-99	MJM
<i>Apharetra dentata</i>	Worcester: Rutland, Blood Swamp	07-Jul-99	MJM

Eurois astricta	Worcester: Rutland, Blood Swamp	12-Aug-99	MJM
Rhodoecia aurantiago	Hampden: Holyoke, near summit, Mount Tom	11-Jul-99	MJM
adult trapped near larval host plant, Aureolaria pedicularia (fern-leaved false foxglove)			
Rhodoecia aurantiago	WORCESTER: Worcester, Frank Perkins Conservation Area	20-Aug-99	MJM
7adults trapped near larval host plant, Aureolaria pedicularia (fern-leaved false foxglove)			
Rhodoecia aurantiago	Hampden: So. Hadley, near summit Mount Holyoke	26-Aug-99	MJM
adult trapped near larval host plant, Aureolaria pedicularia (fern-leaved false foxglove)			

## NEW HAMPSHIRE

### Butterflies

#### NYMPHALIDAE

Danaus plexippus	Rockingham: 2 - 5 miles north of Rye Beach	20-Oct-99	HLY
50+ in migration (late date this far north)			

### Moths

#### ARCTIIDAE

Apantesis quenseli	Coos: S flank Mt. Washington, Crawford Path, 5,800'	30-Jul-97	SG1
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## NEW YORK

### Butterflies

#### HESPERIIDAE

Achalarus lyciades	Richmond: Bloomingdale Woods	23-Jun-99	RD
Achalarus lyciades frequent	Albany: Pine Bush	26-Jun-99	RD
Erynnis brizo	Suffolk: Dwarf Pine Plains	01-May-99 - 02-May-99	RD
abundant, mated pair 10:00-11:00 AM; nectaring on Arctostaphylos uva-ursi			
Erynnis martialis	Albany: Pine Bush	01-Jun-99	RD
worn male hilltopping; species in decline			
Erynnis baptisiae	Albany: Pine Bush	01-Jun-99	RD
on horse dung, near Lupinus perennis patch			
Erynnis baptisiae	Schuyler: Queen Catharine's March	19-Jul-99	RD
mated pair above Coronilla varia patch, 11:45 AM			
Erynnis baptisiae	CATTARAUGUS: Allegany State Park, Saunders Butterfly Meadow	24-Jul-99 - 16-Aug-99	RD
associated with Coronilla varia; nectaring at Lotus corniculata			
Erynnis baptisiae	Sullivan: Long Eddy, Viaduct to the East	05-Sep-99	RD
female in Coronilla varia patch, evidently established since 1998			
Erynnis baptisiae	Tompkins: Ithaca	19-Sep-99 - 12-Oct-99	RD
late dates			
Pyrgus communis	SCHUYLER: Rock Cabin Rd.	19-Jul-99 - 12-Sep-99	RD
puddling males			
Pyrgus communis	Tompkins: Ithaca	10-Sep-99	RD
first of the season			
Ancyloxypha numitor	Tompkins: Ithaca, Beebe Lake	12-Jul-99	RD
larvae in nest on Phalaris arundinacea (Reed Canary Grass), reared to adults			
Hesperia leonardus	CATTARAUGUS: Allegany State Park, Saunders Butterfly Meadow	16-Aug-99	RD
nectaring at Eupatorium purpureum			
Hesperia leonardus	Albany: Pine Bush	04-Sep-99 - 05-Sep-99	RD
nectaring at Centaurea maculosa			
Hesperia metea	Suffolk: Dwarf Pine Plains	02-May-99	RD
Atrytone delaware	Albany: Pine Bush	25-Jun-99	RD
early date			
Poanes massasoit	Albany: Pine Bush	25-Jun-99	RD
early record			
Poanes hobomok	Tompkins: Ithaca, South Hill	20-May-99	RD
2 males: early record			
Poanes hobomok	Tompkins: Ithaca, South Hill	13-Jun-99	RD
ovipositing on Phleum pratense (Timothy)			
Poanes zabulon	Richmond: Tottenville, Council House Beach bluffs	22-Jun-99	RD
Euphyes conspicuus	Albany: Pine Bush	25-Jun-99	RD
early date			

#### PAPILIONIDAE

Papilio polyxenes asterius	Schuyler: Queen Catharine's Marsh	19-Jul-99	RD
ovipositing on Pastinaca sativa inflorescence, 12:03 PM			

#### PIERIDAE

Pieris rapae	Tompkins: Ithaca, Beebe Lake	09-Nov-99	RD
late date			
Colias philodice	Tompkins: Ithaca, Beebe Lake	09-Nov-99	RD
late date			

<i>Colias eurytheme</i>	Tompkins: Ithaca, Beebe Lake	19-Nov-99 - 22-Nov-99	RD
late dates; nectaring at <i>Taraxacum officinale</i> (dandelion), the only flower in bloom			
<b>LYCAENIDAE</b>			
<i>Feniseca tarquinius</i>	Tompkins: Ithaca	18-May-99	RD
females fluttering over woolly alder aphids			
<i>Feniseca tarquinius</i>	Essex: Bloomingdale Bog	29-May-99	RD
ovipositing on woolly alder aphids and nectaring on aphid honeydew, 4:30 PM			
<i>Satyrium titus</i>	Albany: Pine Bush	27-Jun-99	RD
early date; nectaring at <i>Asclepias syriaca</i>			
<i>Satyrium edwardsii</i>	Albany: Pine Bush	26-Jun-99	RD
<i>Calycopis cecrops</i>	Richmond: Bloomingdale Woods	23-Jun-99	RD
<i>Callophrys irus</i>	Albany: Pine Bush	15-May-99	RD
in <i>Lupinus perennis</i> patch			
<i>Callophrys niphon</i>	Tompkins: Ithaca, South Hill	10-May-99	RD
nectaring at <i>Houstonia caerulea</i>			
<i>Callophrys niphon</i>	Albany: Pine Bush	01-Jun-99	RD
ovipositing on leader of sapling <i>Pinus rigida</i>			
<i>Strymon melinus</i>	CATTARAUGUS: Allegany State Park, Saunders Butterfly Meadow	16-Aug-99	RD
nectaring at <i>Lespedeza intermedia</i> and <i>Lotus corniculata</i>			
<b>NYMPHALIDAE</b>			
<i>Nymphalis antiopa</i>	Tompkins: McLean Bogs Reserve	22-May-99	RD
ovipositing on <i>Salix discolor</i> , eggs hatching (in wild) on 6 June			
<i>Nymphalis milberti</i>	Schuyler: Queen Catharine's Marsh	05-Jun-99	RD
courting			
<i>Junonia coenia</i>	CATTARAUGUS: Allegany State Park, Holt Run	16-Aug-99	RD
puddling			
<i>Euptoieta claudia</i>	CATTARAUGUS: Allegany State Park	16-Aug-99	RD
nectaring at <i>Eupatorium purpureum</i>			
<i>Speyeria cybele</i>	Tompkins: Ithaca, South Hill	13-Jun-99	RD
early date			
<i>Enodia anthedon</i>	Albany: Pine Bush	25-Jun-99	RD
early record			
<i>Coenonympha inornata</i>	Albany: Pine Bush	16-May-99	RD
early date			
<i>Coenonympha inornata</i>	Cattaraugus: Allegany State Park	24-Jul-99	RD
<i>Oeneis jutta</i>	Essex: Bloomingdale Bog	29-May-99	RD
nectaring at <i>Aronia melanocarpa</i>			
<b>Moths</b>			
<b>SATURNIIDAE</b>			
<i>Eacles imperialis</i>	SENECA: Seneca Falls	15-Jun-99	RD
coll. by Alison Colton			
<i>Callosamia promethea</i>	Tompkins: Ithaca	22-May-99	RD
males & females emerging from cocoons on <i>Fraxinus americana</i> sapling			
<b>NOCTUIDAE</b>			
<i>Euparthenos nubilis</i>	Albany: Pine Bush	15-May-99	RD
puddling (!) in shade, 11:00 AM. very humid			

## PENNSYLVANIA

### Butterflies

#### HESPERIIDAE

<i>Epargyreus clarus</i>	Greene: Greene Twp.	05-Jul-99	GM
<i>Achalarus lyciades</i>	Berks: Oley	19-Jun-99	KG
<i>Achalarus lyciades</i>	Greene: Greene Twp.	05-Jul-99	GM
<i>Thorybes pylades</i>	Berks: Fleetwood	16-Jun-99	KG
ovipositing on <i>Medicago lupulina</i> and <i>Amphicarpa bracteata</i>			
<i>Erynnis baptisiae</i>	Greene: Greene Twp.	05-Jul-99	GM
<i>Pyrgus communis</i>	Carbon: Lehighton	04-Sep-99	KG
<i>Pyrgus communis</i>	Erie: Fairview	12-Sep-99	GM
high count of 20			
<i>Ancyloxypha numitor</i>	Greene: Greene Twp.	05-Jul-99	GM
<i>Hylephila phyleus</i>	Berks: Maidencreek	11-Aug-99	KG
first sighting since 1968			
<i>Hylephila phyleus</i>	Erie: Erie and Fairview	21-Aug-99	GM
high count of 32+			
<i>Hylephila phyleus</i>	Berks: Wyomissing	03-Sep-99	KG
<i>Hylephila phyleus</i>	Carbon: Lehighton	04-Sep-99	KG
nectaring on <i>Centaurea maculosa</i>			

Hesperia leonardus very local in the state	Erie: Union City	29-Aug-99	GM
Hesperia leonardus	Schuylkill: South Tamagua	04-Sep-99	GM
Hesperia sassacus	Berks: Gibralter	01-Jun-99	KG
Hesperia sassacus ovipositing on Danthonia spicata	Centre: Six Mile Run	09-Jun-99	RWB
Polites origenes	Berks: Fleetwood	08-Sep-99	KG
Pompeius verna	Greene: Greene Twp.	05-Jul-99	GM
Atalopedes campestris	Berks: Morgantown	24-Jul-99	KG
Atalopedes campestris first date per Ryan Woolwine	Berks: Wyomissing	25-Jul-99	KG
Atalopedes campestris	Berks: Fleetwood	03-Aug-99	KG
Poanes hobomok	Fulton: Buchanan State Forest	05-Jun-99	GM
Poanes viator first date per Ken Lebo	Berks: Morgantown	24-Jul-99	KG
Euphyes conspicuus very local in the state	Erie: SGL 101	06-Jul-99	GM
Euphyes bimacula very local in the state	Centre: Black Moshannon	07-Jul-99	GM
Euphyes vestris	Greene: Greene Twp.	05-Jul-99	GM
<b>PAPILIONIDAE</b>			
Battus philenor	Fulton: Buchanan State Forest	05-Jul-99	GM
Battus philenor	Greene: Greene Twp.	05-Jul-99	GM
Papilio polyxenes	GREENE: Greene Twp.	05-Jul-99	GM
Papilio troilus	GREENE: Greene Twp.	05-Jul-99	GM
<b>PIERIDAE</b>			
Pieris rapae	GREENE: Greene Twp.	05-Jul-99	GM
Colias philodice	Erie: Fairview	22-Apr-99	GM
Colias philodice eggs on Baptisia tinctoria; reared to adult on same	Berks: Strausstown	29-May-99	KG
Colias philodice late record	Crawford: Venango Twp.	09-Dec-99	GM
Colias eurytheme oviposites on Coronilla varia; raised to adult on same	Berks: Oley	19-Jun-99	KG
Eurema lisa	MONROE: Blakeslee	12-Jun-99	KG
Eurema lisa scarce in the county	Erie: Fairview	12-Jul-99	GM
Eurema nicippe adults; larvae on Cassia hebecarpa reared to adults	Lancaster: Marietta	12-Sep-99	KG
<b>LYCAENIDAE</b>			
Satyrium caryaevorum	CRAWFORD: Fairfield Twp.	08-Jul-99	GM
Strymon melinus	GREENE: Greene Twp.	05-Jul-99	GM
Strymon melinus scarce in the county	Erie: Erie	27-Jul-99	GM
Everes comyntas	GREENE: Greene Twp.	05-Jul-99	GM
Celastrina neglecta June larvae on Cimicifuga racemosa, reared to dormant pupae	Berks: Topton	15-May-98	KG
Celastrina neglecta	Lancaster: Brickerville	16-May-99	KG
Celastrina neglecta larvae on Cimicifuga racemosa, reared to dormant pupae	Berks: Monocacy	28-Jun-99	KG
<b>NYMPHALIDAE</b>			
Polygonia progne scarce in state	Centre: Black Moshannon	07-Jul-99	GM
Nymphalis antiopa	FULTON: Buchanan State Forest	05-Jun-99	GM
Nymphalis milberti	Erie: Fairview	10-Jun-99	GM
Vanessa virginiensis	FULTON: Buchanan State Forest	05-Jun-99	GM
Junonia coenia high count, 10	Erie: near lake	12-Jul-99 - 03-Oct-99	GM
Junonia coenia scarce in county	Crawford: Pymatuning	21-Aug-99 - 13-Sep-99	GM
Euptoieta claudia high count, 20+	Erie: Fairview	27-Sep-99	GM
Speyeria cybele	GREENE: Greene Twp.	05-Jul-99	GM
Speyeria aphrodite	GREENE: Greene Twp.	05-Jul-99	GM
Speyeria atlantis scarce in county	Erie: Union City	29-Aug-99	GM
Phyciodes tharos	GREENE: Greene Twp.	05-Jul-99	GM



Limenitis arthemis oviposites on 1-3' Populus deltoides; reared to adults on Salix	Lancaster: Marietta	12-Sep-99	KG
Megisto cymela	FULTON: Buchanan State Forest	05-Jun-99	GM

## Zone 11 Mexico

## Mexico & the Caribbean Islands

**Coordinator:** Isabel Vargas Fernandez

### Contributors Cited:

B/I : Balcazar Lara & Ibarra Vazquez  
P/S : Pozo de la Tijera & Salas Suarez

MLI : Michael L. Israel

MS3 : Lee Miller & Mark Simon

### General Comments:

Extensive sampling was conducted in the state of Quintana Roo by Carmen Pozo de la Tijera and Noemi Salas Suarez (P/S) and in the state of Hidalgo by Manuel Balcazar Lara and Adolfo Ibarra Vazquez (B/I). Michael L. Israel (MLI) submitted a report for three islands in the Caribbean.

## BAHAMAS

### Butterflies

#### HESPERIIDAE

Achlyodes munroei	BAHAMAS	15-May-99	MS3
rediscovered in May, 1998 and found again this season			

## BARBADOS

### Butterflies

#### HESPERIIDAE

Urbanus obsurus	BARBADOS: Welchman Hall Gully	29-Dec-98	MLI
Hylephila phyleus	BARBADOS: St. Lawrence	30-Dec-98	MLI
Nyctelius nyctelius	BARBADOS: St. Lawrence	30-Dec-98	MLI

#### PIERIDAE

Ascia monuste	BARBADOS: St. Lawrence	30-Dec-98	MLI
Phoebis sennae	BARBADOS: St. Lawrence	30-Dec-98	MLI
Phoebis agarithe	BARBADOS: St. Lawrence	28-Dec-98	MLI
Phoebis statira	BARBADOS: St. Lawrence	30-Dec-98	MLI
Eurema lisa	BARBADOS: St. Lawrence	30-Dec-98	MLI
Eurema daira palmira	BARBADOS: St. Lawrence	30-Dec-98	MLI

#### LYCAENIDAE

Strymon bubastus	BARBADOS: St. Lawrence	30-Dec-98	MLI
Hemiargus hanno	BARBADOS: St. Lawrence	30-Dec-98	MLI

#### NYMPHALIDAE

Junonia genoveva	BARBADOS: St. Lawrence	30-Dec-98	MLI
Danaus plexippus	BARBADOS: St. Lawrence	30-Dec-98	MLI

## BRITISH WEST INDIES

### Butterflies

#### HESPERIIDAE

Calpodus ethlius	ST LUCIA: Castries	27-Dec-98	MLI
Panoquina sylvicola	ST LUCIA: Castries	27-Dec-98	MLI

#### PIERIDAE

Ascia monuste	ST LUCIA: Castries	27-Dec-98	MLI
Eurema leuce	ST LUCIA: Castries	27-Dec-98	MLI
Eurema daira palmira	ST LUCIA: Castries	27-Dec-98	MLI

#### LYCAENIDAE

Chlorostymon simaethis	ST LUCIA: Castries	27-Dec-98	MLI
Hemiargus hanno	ST LUCIA: Castries	27-Dec-98	MLI

#### NYMPHALIDAE

Agraulis vanillae	ST LUCIA: Castries	27-Dec-98	MLI
Junonia genoveva	ST LUCIA: Castries	27-Dec-98	MLI

## HIDALGO

### Butterflies

#### PAPILIONIDAE

Battus philenor	HIDALGO: Tlanchinol	05-Aug-99	B/I
Papilio multicaudatus	HIDALGO: Tlanchinol	19-Feb-99	B/I

Papilio multicaudatus	HIDALGO: Tlanchinol	05-Aug-99	B/I
Mimoides phaon	HIDALGO: Tlanchinol	05-Aug-99	B/I
<b>PIERIDAE</b>			
Catasticta nimbice	HIDALGO: Tlanchinol	19-Feb-99	B/I
Eurema salome jamapa	HIDALGO: Tlanchinol	19-Feb-99	B/I
Leptophobia aripa elodia	HIDALGO: Tlanchinol	19-Feb-99	B/I
<b>LYCAENIDAE</b>			
Eumaeus childrenae	HIDALGO: Tlanchinol	26-Nov-99	B/I
Calycopsis isobea	HIDALGO: Tlanchinol	05-Aug-99	B/I
<b>RIODINIDAE</b>			
Emesis tenedia	HIDALGO: Tlanchinol	19-Feb-99	B/I
<b>NYMPHALIDAE</b>			
Dione moneta poeyi	HIDALGO: Tlanchinol	05-Aug-99	B/I
Heliconius charitonius vazquezae	HIDALGO: Tlanchinol	05-Aug-99	B/I
Heliconius erato petiveranus	HIDALGO: Tlanchinol	05-Aug-99	B/I
Vanessa virginiensis	HIDALGO: Tlanchinol	05-Feb-99	B/I
Vanessa annabella	HIDALGO: Tlanchinol	05-Feb-99	B/I
Hypanartia lethe	HIDALGO: Tlanchinol	29-Mar-99	B/I
Junonia nigrosuffusa	HIDALGO: Tlanchinol	29-Mar-99	B/I
Anartia jatrophae luteipicta	HIDALGO: Tlanchinol	17-Feb-99	B/I
Anartia amathea venusta	HIDALGO: Tlanchinol	17-Feb-99	B/I
Siproeta stelenes biplagiata	HIDALGO: Tlanchinol	05-Aug-99	B/I
Anthanassa argentea	HIDALGO: Tlanchinol	19-Feb-99	B/I
Anthanassa otanes cyno	HIDALGO: Tlanchinol	19-Feb-99	B/I
Phyciodes phaon	HIDALGO: Tlanchinol	05-Feb-99	B/I
Phyciodes tharos	HIDALGO: Tlanchinol	05-Feb-99	B/I
Chlosyne lacinia	HIDALGO: Tlanchinol	26-Nov-99	B/I
Texola elada	HIDALGO: Tlanchinol	26-Nov-99	B/I
Adelpha celerio	HIDALGO: Tlanchinol	17-Feb-99	B/I
Myscelia ethusa	HIDALGO: Tlanchinol	17-Feb-99	B/I
Myscelia cyaniris	HIDALGO: Tlanchinol	05-Aug-99	B/I
Eunica monima	HIDALGO: Tlanchinol	05-Aug-99	B/I
Dynamine postverta mexicana	HIDALGO: Tlanchinol	05-Aug-99	B/I
Epiphile adrasta	HIDALGO: Tlanchinol	17-Feb-99	B/I
Diaethria anna	HIDALGO: Tlanchinol	05-Aug-99	B/I
Cyclogramma pandama	HIDALGO: Tlanchinol	05-Aug-99	B/I
Hamadryas februa ferentina	HIDALGO: Tlanchinol	05-Aug-99	B/I
Hamadryas amphinome mexicana	HIDALGO: Tlanchinol	05-Aug-99	B/I
Smyrna blomfieldia datis	HIDALGO: Tlanchinol	05-Aug-99	B/I
Fountainea eurypyle confusa	HIDALGO: Tlanchinol	17-Feb-99	B/I
Memphis pithyusa	HIDALGO: Tlanchinol	17-Feb-99	B/I
Doxocopa pavon theodora	HIDALGO: Tlanchinol	05-Aug-99	B/I
Siderone syntiche	HIDALGO: Tlanchinol	05-Aug-99	B/I
Cyllopsis suivalens escalantei	HIDALGO: Tlanchinol	19-Feb-99	B/I
Hermeuptychia hermes	HIDALGO: Tlanchinol	05-Aug-99	B/I
Danaus plexippus	HIDALGO: Tlanchinol	29-Mar-99	B/I
Danaus gilippus thersippus	HIDALGO: Tlanchinol	29-Mar-99	B/I
Pteronymia cotytto	HIDALGO: Tlanchinol	29-Mar-99	B/I
Dircenna klugii	HIDALGO: Tlanchinol	29-Mar-99	B/I
Manataria maculata	HIDALGO: Tlanchinol	05-Aug-99	B/I
Tegosa anieta luka	HIDALGO: Tlanchinol	26-Nov-99	B/I

## QUINTANA ROO

"La Union" (N 17 degrees 53' 47"; W 88 degrees 52' 34") is a town located in southern Quintana Roo, Mexico, along the banks of the Rio Hondo River. The Rio Hondo forms the border between Mexico and Belize. The river follows a geological fault located in a geomorphic unit called "Planicies del Caribe." "La Union" is surrounded by elevations from 0-100 m above sea level. Soils in the area are Rendzinas + Fluvisol + Vertisol in lithic phase, with sizable beds of emerging rock of caliza (CaCO<sub>3</sub>) and some igneous rocks. The annual average temperature is 25 degrees C., the lowest temperatures occur in January and the highest temperatures occur from May to September. Annual rainfall is about 1300 mm. The rainy season runs from May to January; the most rain occurs in September. The dry season occurs from February through April, and there is little or no rain. The surrounding vegetation is secondary forest caused by human settlement and agriculture, however, there are still sparse patches of pristine tropical forest.

## Butterflies

### PAPILIONIDAE

Parides erithalion polyzelus	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Parides erithalion polyzelus	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March & 22-29 May			
Battus polydamas	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S

Papilio cresphontes	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Protographium epidaus	QUINTANA ROO: La Unión	14-Jun-93	P/S
<b>PIERIDAE</b>			
Ascia monuste	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Anteos maerula lacordairei	QUINTANA ROO: La Unión	20-Sep-91	P/S
Anteos maerula lacordairei	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Anteos maerula lacordairei	QUINTANA ROO: La Unión	09-Jul-95	P/S
Phoebis sennae marcellina	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Phoebis sennae marcellina additional dates 14-22 June	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Phoebis sennae marcellina	QUINTANA ROO: La Unión	09-Jul-95	P/S
Phoebis argante	QUINTANA ROO: La Unión	20-Sep-91	P/S
Phoebis argante	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Phoebis argante	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Phoebis argante	QUINTANA ROO: La Unión	09-Jul-95	P/S
Phoebis agarithe	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Phoebis agarithe	QUINTANA ROO: La Unión	14-Jun-93 - 29-Jul-93	P/S
Phoebis agarithe	QUINTANA ROO: La Unión	09-Jul-95	P/S
Phoebis statira jada	QUINTANA ROO: La Unión	14-Jun-93	P/S
Phoebis statira jada	QUINTANA ROO: La Unión	09-Jul-95	P/S
Eurema proterpia	QUINTANA ROO: La Unión	05-Jan-93 - 18-Mar-93	P/S
Eurema lisa centralis	QUINTANA ROO: La Unión	05-Jan-93 - 18-Mar-93	P/S
Eurema nise nelphe	QUINTANA ROO: La Unión	20-Sep-91	P/S
Eurema nise nelphe	QUINTANA ROO: La Unión	06-Dec-92	P/S
Eurema nise nelphe additional dates 18 March, 14 June & 29 July	QUINTANA ROO: La Unión	05-Jan-93	P/S
Eurema dina westwoodi	QUINTANA ROO: La Unión	14-Jun-93	P/S
Eurema दौरa	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Eurema दौरa additional dates 18-24 March	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Eurema दौरa	QUINTANA ROO: La Unión	09-Jul-95	P/S
Eurema boisduvalianum	QUINTANA ROO: La Unión	05-Jan-93	P/S
Eurema albula celata	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Eurema albula celata additional dates 18-24 March, 14-22 June & 29 July	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Glutophrissa drusilla tenuis	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Pieriballia viardi	QUINTANA ROO: La Unión	20-Sep-91	P/S
Pieriballia viardi	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Pieriballia viardi additional dates 18-24 March & 29 July	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
<b>LYCAENIDAE</b>			
Melanis pixe	QUINTANA ROO: La Unión	20-Sep-91	P/S
Eumaeus toxea	QUINTANA ROO: La Unión	20-Sep-91	P/S
Eumaeus toxea	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Eumaeus toxea additional dates 18-24 March & 14-22 June	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Calephelis yautepequensis	QUINTANA ROO: La Unión	09-Jul-95	P/S
Zizula cyna additional dates 18-21 April & 22-29 May	QUINTANA ROO: La Unión	18-Mar-93 - 24-Mar-93	P/S
Leptotes cassius striata additional dates 22-29 May	QUINTANA ROO: La Unión	18-Apr-93 - 21-Apr-93	P/S
Hemiargus ceraunus zachaeina	QUINTANA ROO: La Unión	18-Mar-93 - 24-Mar-93	P/S
Everes comyntas	QUINTANA ROO: La Unión	28-Oct-92	P/S
Everes comyntas additional dates 18-24 March & 18-21 April	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Evenus regalis	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Pseudolycaena damo	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Juditha molpe	QUINTANA ROO: La Unión	14-Jun-93	P/S
<b>NYMPHALIDAE</b>			
Agraulis vanillae incarnata	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
Dryadula phaetusa	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Dryas iulia moderata	QUINTANA ROO: La Unión	20-Sep-91	P/S
Dryas iulia moderata	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
Dryas iulia moderata additional dates 14-22 Jun & 29 July	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
Eueides isabella eva	QUINTANA ROO: La Unión	20-Sep-91	P/S
Eueides isabella eva	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S

<i>Eueides isabella eva</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 14-22 June & 29 July			
<i>Heliconius charitonius vazquezae</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Heliconius charitonius vazquezae</i>	QUINTANA ROO: La Unión	06-Dec-92	P/S
<i>Heliconius charitonius vazquezae</i>	QUINTANA ROO: La Unión	05-Jan-93 - 14-Jun-93	P/S
<i>Heliconius charitonius vazquezae</i>	QUINTANA ROO: La Unión	09-Jul-95	P/S
<i>Heliconius erato petiveranus</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Heliconius erato petiveranus</i>	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
<i>Heliconius erato petiveranus</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March, 14-22 June & 29 July			
<i>Ithomia patilla</i>	QUINTANA ROO: La Unión	18-Mar-93 - 24-Mar-93	P/S
<i>Anartia jatrophae luteipicta</i>	QUINTANA ROO: La Unión	28-Oct-92	P/S
additional dates 6-28 December			
<i>Anartia jatrophae luteipicta</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March & 18-21 April			
<i>Anartia amathea venusta</i>	QUINTANA ROO: La Unión	28-Oct-92	P/S
additional dates 6-28 December			
<i>Anartia amathea venusta</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March, 18-21 April, 22-29 May & 14-22 June			
<i>Euptoieta hegesia hoffmanni</i>	QUINTANA ROO: La Unión	18-Apr-93 - 21-Apr-93	P/S
<i>Eryphanis aesacus</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
<i>Chlosyne erodyle</i>	QUINTANA ROO: La Unión	05-Jan-93	P/S
<i>Chlosyne erodyle</i>	QUINTANA ROO: La Unión	09-Jul-95	P/S
<i>Chlosyne janais</i>	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
<i>Chlosyne janais</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
<i>Thessalia theona</i>	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
<i>Thessalia theona</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
<i>Adelpha serpa sentia</i>	QUINTANA ROO: La Unión	14-Jun-93	P/S
<i>Myscelia cyaniris</i>	QUINTANA ROO: La Unión	18-Mar-93 - 24-Mar-93	P/S
<i>Dynamine postverta mexicana</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
<i>Pyrrhogyra neaerea hypsenor</i>	QUINTANA ROO: La Unión	29-Jul-93	P/S
<i>Dynamine theseus</i>	QUINTANA ROO: La Unión	14-Jun-93	P/S
<i>Mestra amymone</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Mestra amymone</i>	QUINTANA ROO: La Unión	05-Jan-93 - 18-Mar-93	P/S
<i>Hamadryas feronia farinulenta</i>	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
<i>Hamadryas februa ferentina</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Hamadryas februa ferentina</i>	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
<i>Marpesia chiron marius</i>	QUINTANA ROO: La Unión	14-Jun-93 - 29-Jul-93	P/S
<i>Marpesia petreus tethys</i>	QUINTANA ROO: La Unión	14-Jun-93 - 22-Jun-93	P/S
<i>Morpho achilles hyacinthus</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Callicore texa grijalva</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Caligo prometheus memnon</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Caligo prometheus memnon</i>	QUINTANA ROO: La Unión	18-Mar-93 - 24-Mar-93	P/S
<i>Hermeuptychia hermes</i>	QUINTANA ROO: La Unión	28-Oct-92	P/S
<i>Hermeuptychia hermes</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March, 18-21 April & 22-29 May			
<i>Pareuptychia ocirrhoe</i>	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
<i>Pareuptychia ocirrhoe</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S
additional dates 18-24 March			
<i>Vareuptychia undina</i>	QUINTANA ROO: La Unión	20-Sep-91	P/S
<i>Vareuptychia undina</i>	QUINTANA ROO: La Unión	05-Jan-93 - 18-Mar-93	P/S
<i>Danaus gilippus thersippus</i>	QUINTANA ROO: La Unión	06-Dec-92 - 28-Dec-92	P/S
<i>Danaus gilippus thersippus</i>	QUINTANA ROO: La Unión	05-Jan-93 - 29-Jul-93	P/S
<i>Danaus gilippus thersippus</i>	QUINTANA ROO: La Unión	09-Jul-95	P/S
<i>Tegosa guatemalena</i>	QUINTANA ROO: La Unión	05-Jan-93	P/S
<i>Taygetis virgilia</i>	QUINTANA ROO: La Unión	05-Jan-93 - 20-Jan-93	P/S

## VIRGIN ISLANDS

### Butterflies

#### HESPERIIDAE

<i>Polygonus leo</i>	St. Johns: Cruz Bay	24-Dec-98	MLI
<i>Urbanus dorantes</i>	St. Johns: Cruz Bay	24-Dec-98	MLI
<i>Ephyriades arcas</i>	ST JOHNS: Cruz Bay	24-Dec-99	MLI
<i>Choranthus vitellius</i>	ST JOHNS: Cruz Bay	24-Dec-99	MLI
<i>Asbolis capucinus</i>	St. Johns: Cruz Bay	24-Dec-98	MLI

#### LYCAENIDAE

<i>Leptotes cassius</i>	St. Johns: Cruz Bay	24-Dec-98	MLI
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# Season Summary Zone Coordinators

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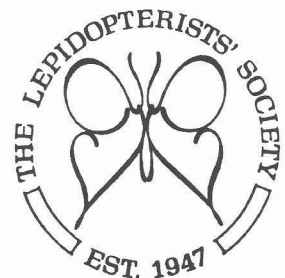
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## Abbreviations:

bl = black (ultraviolet) light  
Co = county  
CP = County Park  
cpgd = campground  
CR = County Road  
FGA = Fish & Game Area  
FR = fire road  
jct = junction of roadways  
km = kilometers

leg = collected by  
mi = miles  
mm = mile marker  
mtn(s) = mountain(s)  
NF = National Forest  
NG = National Grassland  
NM = National Monument  
NP = National Park  
nr = near

NWR = National Wildlife  
Refuge  
PF = Provincial Forest  
PP = Provincial Park  
SF = State Forest  
SGA = State Game Area  
SHP = State Historical Park  
SP = State Park  
SR = State Road

SRA = State Recreation Area  
SWA = State Wildlife Area  
Twp = Township  
vic = vicinity  
WA = Wildlife Area  
WMA = Wildlife Management  
Area  
WPA = Waterfowl Production  
Area

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**The Lepidopterists' Society**

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Only one previous single record of *Asterocampa idyja argus* had ever been taken north of Mexico until this year when Bob Pyle, his wife, Thea, and naturalist Mark Garland found a small pocket of them in southeastern Arizona on September 24<sup>th</sup>, 1999. Photo by Mark Garland.

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