



MASSACHUSETTS
BUTTERFLIES NO.1

FEB. 1993

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***** WELCOME TO NEW MEMBERS *****

Kyle Jones, Donna Morrison, Doug Gaudet, Ruth Oberlander, Tom French, Karl Piel, David Wagner, Andrew McGinnis, Lynn Moore, Rich Moore, Jennifer Cuneo, Roberta Fretz, Daniel Fretz, Stephen Salamone, Jane Heineke, Sarah Ingalls, Giancarla Kalpas, Noreen Palazzo, Kathryn Disney, Marlys Gaucher, Douglas Savich, Claudia Tibbetts, Dave Winter, Mark Pawlak, Terri Balogh, Ernest Williams, Larry Hoague.

FALL 1992 MEETING

Members met at the home of Brian Cassie in Foxboro on the evening of October 30 to enjoy one another's slides. Excellent short programs were given on Mexican Monarchs, Regal Fritillaries, Pacific Northwest butterflies, Kenyan butterflies, and Massachusetts butterflies. Thanks to all who participated.

1992 SEASON SUMMARY

Franklin County member (and astute butterfly observer) Mark Fairbrother called the summer of 1992 "the season from Hell." Well really, Mark, it was not the best butterfly year to be sure, but there were some highlights: Falcate Orangetip, Silvery Blue, and Northern Crescent (3 species I'm still looking for in MA) were found in the state in 1992, as well as a colony of the very local White M Hairstreak (see related article). Painted Ladies put on their best flight in more than a decade. Bad weather delayed the appearance of many species in 1992, but gave us a score of new late flight dates, with several species flying two or more weeks beyond their typical flight period. Lycaenids and skippers accounted for most of the species flying well past normal. Everyone noticed the lack of Monarchs throughout the season, but how about some of the other species that were absent. Many nymphalids were low, including Pearl Crescent, Eastern Comma, Compton Tortoiseshell, American Lady, Red-spotted Purple, and Viceroy. Milbert's Tortoiseshell was not seen in its traditional areas and Question Marks were not seen at all, with zero at Worcester, Franklin County, Foxboro, Cape Cod - everywhere. Edna Dunbar wrote that the only butterflies up to average in Berkshire County in 1992 were Spring Azure, Early Hairstreak, the first brood of Tiger Swallowtail, and Red Admiral: "Even the Cabbage Whites were late." Mark Fairbrother said of skippers, "Spring skipper broods were variously reduced in numbers; late broods nonexistent!" The skipper numbers in eastern Massachusetts were much better than those noted by Fairbrother to the west; in fact, high counts were established for Mulberry Wing and Black Dash in August in Easton. Many hairstreaks also flew in record numbers in eastern Massachusetts in 1992 (see discussion in July 1992 "News"). In summary, I would say 1992 was not so different from a lot of butterfly "years": some species up, some down, some early (not too many this year), some late, with a few shockers thrown in. Good luck to all of us, the butterflies and the butterfly watchers, in 1993. And don't forget to share your records!!

Brian Cassie, Editor

1992 MASSACHUSETTS BUTTERFLY SIGHTINGS

OBSERVERS: Robert Abrams (RA), Brian Cassie (BC), Jonathan Center (JC), Tom Dodd (TD), Edna Dunbar (ED), Tim Fowler (TF), Richard Hildreth (RH), Mark Kasprzyk (MK), Donna Lang (DL), Lyn Lovell (LL), Robert McGrath (RM), Mark Mello (MM), Karen Parker (KP), Roger Pease (RP), Ted Raymond (TR), Steve Roble (SR), Douglas Savitch/Claudia Tibbetts (DS/CT), Tim Simmons (TS), Alden Thompson (AT), Richard Walton (RW), and Dave Winter (DW). Also, Kevin Ryan (KR), Jim Dowdell, Robert Godefroi, and Jack Megas.

PIPEVINE SWALLOWTAIL Unverified reports from Cohasset and Brewster. Details are needed on this species.

BLACK SWALLOWTAIL	MAY 15	South Hadley	TF
	17	East Longmeadow	KP
	JUN 11	East Longmeadow	BC
	JUL 27	Fort Devens	MM
	AUG 6	Easton	BC,LL
	7	East Longmeadow	KP
	SEP 21	Pittsfield (2 larvae @ dill)	ED

EASTERN TIGER SWALLOWTAIL The field identification and timing of the respective flights has not been completely worked out for these two extremely similar species. Following are records for any "tiger" swallowtails submitted for the year.

CANADIAN TIGER SWALLOWTAIL	MAY 14	Plymouth	(1)	BC
	15	East Longmeadow		KP
	21	Easthampton		TF
	JUN 20	BMBS		LL
	JUL 19	BMBS	(6)	TD
	AUG 6	Easton	(5)	BC,LL
	SEP 19	Foxboro	(1)	BC

SPICEBUSH SWALLOWTAIL	MAY 21	Foxboro	(1)	BC
	23	BMBS	(1)	TD
	JUN 26	Fort Devens		MM
	JUL 11	" "		MM
	27	" "		MM
	AUG 2	Foxboro	(1)	BC
	8	Easton	(11)	BC & co.
	18	South Hadley		TF
	29	BMBS	(5)	TD
	SEP 13	"	(1)	TD
	17	Foxboro (first instar larvae)		BC
	OCT 10	Hopedale (one larva)		TD

MUSTARD WHITE	MAY 13	Pittsfield	(3)	ED
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CABBAGE WHITE	APR 27	East Longmeadow		KP
	29	South Hadley		TF
	MAY 1	Wayland		TD
	14	Cape Ann		DS/CT
	SEP 13	Falmouth (Salt Pond) (264)		BC
	OCT 17	Cape Ann		DS/CT

FALCATE ORANGETIP	MAY 23	Savoy (Tannery Falls) (1m.)		TS
The first authentic record for the state in a <u>long</u> time.				
CLOUDED SULPHUR	MAY 14	Wayland		TD
	14	Plymouth	(1)	BC
	15	South Hadley		TF
	OCT 3	East Longmeadow		KP
	15	Foxboro	(3)	BC
	22	Sudbury		TD
ORANGE SULPHUR	JUN 22	Easthampton		TF
	JUL 3	Foxboro	(1)	BC
	11	Fort Devens		MM
	AUG 6	Easton	(6)	BC
	20	"	(7)	DL & co.
	OCT 7	Foxboro	(1)	BC
	18	Mansfield	(3)	BC,DL
HARVESTER	MAY 11	Tolland		TF
	11	South Hadley (colony)		TF
	JUN 14	Boxford	(1)	JC
	OCT 24	Milford (larva on alder)		RH & co.
	NOV 14	Hopedale (larva on alder)		TD
AMERICAN COPPER	MAY 14	Plymouth	(1)	LL
	15	Wayland		TD
	15	South Hadley		TF
	JUN 4	Foxboro	(10)	BC
	JUL 22	Foxboro	(111)	BC,DL
	SEP 14	Easton	(27)	BC
	OCT 3	Worcester	(1)	TD
	4*	East Longmeadow	(2)	KP
BRONZE COPPER	JUN 28	Concord (Great Meadows N.W.R.)		JC
BOG COPPER	JUL 1-16	Sudbury		TD
	3	Mansfield	(20)	BC
CORAL HAIRSTREAK	JUL 8	Foxboro	(5)	BC
	11	East Longmeadow		KP
	11	Fort Devens		MM
	27	" "		MM
	AUG 7	Foxboro	(1)	BC
	12	Easton	(1)	LL
ACADIAN HAIRSTREAK	JUL 8	Foxboro	(2)	BC
	18	BMBS		TD
	AUG 2	"		TD
	12*	Easton	(1)	LL
EDWARDS' HAIRSTREAK	JUL 3	Wachusset Reservoir		TD
	5	BMBS	(4)	TD
	10	Wrentham	(1)	BC
	11	Fort Devens		MM
	AUG 5	East Longmeadow		KP
	15*	BMBS		TD

BANDED HAIRSTREAK	JUN 23	Foxboro	(2)	BC
	28	EMBS		TD
	JUL 5	"	(38)	TD
	8	Foxboro	(1200)	BC, LL
AUG 20*	Foxboro	(1)	BC	
STRIPED HAIRSTREAK	JUL 5	EMBS		TD
	7	Foxboro	(3)	BC
	Aug 4	Easthampton		TF
	20	Easton	(11)	BC & co.
	26	Fort Devens		MM
30*	Easton	(2)	BC	
SOUTHERN HAIRSTREAK	JUN 27,28	EMBS	(2)	TD
	28	Foxboro	(3)	BC
	JUL 1	EMBS	(1)	LL
	7	Foxboro	(4)	BC
	10	Wrentham	(1)	BC
JUNIPER HAIRSTREAK	JUN 4	Foxboro	(4)	BC
	AUG 7	Foxboro	(1)	BC
HESSEL'S HAIRSTREAK	MAY 20	West Bridgewater	(1)	SR
BROWN ELFIN	MAY 14	Plymouth	(5)	BC
	15	Fort Devens		MM
	19	Plymouth	(17)	BC
HOARY ELFIN	MAY 14	Plymouth	(1)	BC
	19	Plymouth	(27)	BC
	22*	Wellfleet	(2)	BC
FROSTED ELFIN	MAY 19	Plymouth	(1)	BC
	JUN 14	Charlton	(1)	MF
	19	Foxboro	(3)	BC
HENRY'S ELFIN	APR 23	Springfield	(1)	RP
	MAY 15	Fort Devens		MM
EASTERN PINE ELFIN	MAY 2	East Longmeadow		KP
	14	Plymouth	(1)	LL
	15	Wayland		TD
	15	Fort Devens		MM
	19	Plymouth	(15)	BC
	20	Tolland		TF
	JUN 17	Foxboro	(1)	BC
	20	Princeton		TD
23	Foxboro	(2)	BC	
WHITE M HAIRSTREAK	JUN 3	Miles Standish State Forest		MK
	AUG 6	Sudbury	(1)	RW
	6	Easton	(5)	LL, BC
	8	"	(16)	TD, BC, & co.
	20	"	(4)	BC
	21	Milford	(1)	RH
EARLY HAIRSTREAK	MAY 22**	Mount Greylock		ED
	JUL 1	"		ED

GRAY HAIRSTREAK	JUL 10	Wrentham	(1)	BC
	11	Fort Devens		MM
	AUG 1	BMBS		TD
	10	Easton	(1)	BC
	12	"	(1)	LL
	30	"	(1)	BC
	SEP 14	Foxboro (fresh)	(1)	BC
EASTERN TAILED BLUE	MAY 15	South Hadley		TF
	17	BMBS		TD
	AUG 20	Easton	(22)	BC
	SEP 5	East Longmeadow		KP
	OCT 18*	Mansfield (fresh)	(1)	DL,BC
SPRING AZURE	APR 23	Sharon	(142)	BC
	27	Wayland		TD
	30	Easthampton		TF
	MAY 14	Plymouth	(153)	BC,LL
	JUN 4	BMBS	(2)	LL
	JUL 27	Fort Devens		MM
	AUG 6	Easton	(2)	BC
	8	BMBS		TD

SILVERY BLUE JUN 7 Tewksbury (1) R.Godefroi

The first definite record for Massachusetts known to the editor. This species is spreading southward and should be looked for along our northern border.

VARIEGATED FRITILLARY	AUG 12	South Hadley		TF
GR.SPANGLED FRITIL.	JUN 26,27	Fort Devens		MM
	27	BMBS		TD
	JUL 6	Easton	(7)	BC
	AUG 20	Easton	(24)	DL,LL,BC
	26	Fort Devens		MM
	29	BMBS	(5)	TD
	31	Cashe's Ledge (Atlantic Ocean)		RA
SEP 12			TD	
APHRODITE FRITILLARY	JUN 26,27	Fort Devens		MM
	JUL 10	Wrentham	(1)	BC
	11	Fort Devens		MM
	AUG 12	Easton	(3)	LL
	19,26	BMBS	(2)	TD
SILVER-B. FRITILLARY	JUN 13	Millis	(3)	BC
	AUG 8	Stoughton	(150+)	RM & co.
	10	Tolland		TF
	SEP 29	Sudbury		TD
HARRIS' CHECKERSPOT	JUN 13-28	BMBS		TD
	20	Holden	(162)	TD
	AUG 13	Holden (631 larval webs)		TD & co.

NORTHERN CRESCENT (Specimen @ M.A.S. - details forthcoming) J.Dowdell

Here is another species recorded in Massachusetts for the first time to my knowledge in 1992. Because of its striking resemblance to the Pearl Crescent, it may have been overlooked in the past.

PEARL CRESCENT	MAY 17	Easthampton		TF
	23	BMBS		TD
	AUG 12	Easton	(71)	LL
	SEP 13	Falmouth	(1)	BC, LL
BALTIMORE	13	BMBS	(1)	TD
	JUL 6	Easton	(500+)	KR, BC
	27	Fort Devens		MM
EASTERN COMMA	AUG 8*	Stoughton	(1)	RM & co.
	APR 30	Easthampton		TF
	JUN 27	BMBS		TD
MOURNING CLOAK	26, 27	Fort Devens		MM
	JUL 18	Princeton		TD
	MAR 26	East Longmeadow		KP
COMPTON TORTOISESHELL	29	BMBS		TD
	APR 10	Gloucester	(16)	DS/CT
	23	Sharon	(17)	BC, DL
	28	Tolland		TF
	MAY 22	Truro	(1)	BC
	OCT 2	Sudbury	(1)	TD
	OCT 3	Cape Ann	(1)	DS/CT
	JUL 11	Fort Devens		MM
RED ADMIRAL	22	Taunton	(1)	AT
	MAY 20	Foxboro	(1)	BC
	JUL 3	Walpole	(1)	BC
	3	BMBS		TD
	JUL/AUG	BMBS (common - max.	6)	TD
AMERICAN LADY	AUG 12	Easton	(3)	LL
	MAY 9	Holyoke		TF
	9	Grafton	(1)	BC
	JUN 28	Foxboro	(2)	BC
	JUL 3	Foxboro	(6)	BC, DL
	27	Fort Devens		MM
	OCT 9	Foxboro	(1)	BC
PAINTED LADY	APR 28**	East Longmeadow	(1)	KP
	MAY 12	Wayland	(1)	TD
	14	Plymouth	(9)	BC
	21, 22	Martha's Vineyard (hundreds)		TS
	19	Plymouth	(40)	BC
	22/23	Outer Cape Cod	(31)	BC
	JUN 2	Easthampton ("real worn")		TF
	11	East Longmeadow	(4)	BC, LL
	JUL 11, 27	Fort Devens		MM
	AUG 6	Easton	(6)	BC
	SEP 12-15	South Hadley (up to 6)		TF
	13	Falmouth	(5)	BC
	OCT 9-14	Foxboro (one fresh in garden)		BC

Larvae found at various times from May to July on Comfrey, Pink Mallow, Common Mugwort, Bachelor Button, Hollyhock, Sweet Everlasting, and thistles, as reported by BC, RM, and KP.

RED-SPOTTED PURPLE	JUN 9	Easthampton		TF
	9	East Longmeadow		KP
	13	EMBS		TD
	26,27	Fort Devens		MM
	JUL 27	" "		MM
VICEROY	JUN 8	South Hadley		TF
	11	East Longmeadow	(1)	BC
	13	EMBS		TD
	AUG 6	Easton	(7)	BC
	SEP 14	"	(2)	BC
OCT 24	EMBS (larvae)		TD	
NORTHERN PEARLY EYE	JUL 5	East Longmeadow		KP
	12	" "	(3)	KP
	AUG 21	Tolland		TF
EYED BROWN	JUL 28	Easthampton		TF
	AUG 20*	Easton	(1)	BC
APPALACHIAN BROWN	JUL 8	Foxboro	(1)	BC
	20	Leverett (mating pair)		MF
	AUG 8	Easton	(3)	DL & co.
	8	Stoughton	(3)	DL & co.
	15	EMBS		TD
20	Easton	(3)	BC	
LITTLE WOOD SATYR	JUN 2	Easthampton		TF
	3	Wayland		TD
	3	Sharon	(2)	BC
	7	Foxboro	(302)	BC
	12	" (same site - 165)		BC
	JUL 3	" (same site - 2)		BC
	AUG 2	EMBS		TD
COMMON RINGLET	MAY 29	Easthampton		TF
	30	EMBS		TD
	JUN 10	West Bridgewater	(50)	BC
	AUG 2	Foxboro	(1)	BC
	22	East Longmeadow		KP
	26	Fort Devens		MM
	26	Foxboro	(7)	BC
SEP 13*	EMBS		TD	
COMMON WOOD NYMPH	JUL 3	Foxboro	(2)	BC
	21 on	Cape Ann (abundant)		DS/CT
	AUG 6	Easton	(117)	BC
	20	"	(110)	BC
	SEP 20	East Longmeadow		KP
29	Walpole	(1)	DL	
MONARCH	JUN 4	EMBS	(1)	LL
	20	Princeton	(1)	TD
	JUL 1	EMBS	(4)	LL
	11	Fort Devens		MM
	SEP 13	Falmouth (Salt Pond)	(5)	BC
	20	Martha's Vineyard	(5)	TR
OCT 8	Springfield	(1)	J.Megas	

SILVER-SPOTTED SKIPPER	JUN 8	South Hadley		TF
	11	East Longmeadow	(1)	BC
	JUL 1	EMBS	(6)	LL
	AUG 8	Foxboro	(one with yellow-brown coloration seen at garden)	BC
	26	Fort Devens		MM
OCT 5	Milford	(one larva on locust)	BC	
HOARY EDGE	JUN 14	Charlton	(2)	MF
	20	EMBS		TD
	JUL 1	"		LL
	10	Wrentham	(1)	BC
	5	EMBS	(5)	TD
28	Foxboro		BC	
SOUTHERN CLOUDYWING	JUN 18	Mansfield	(1)	BC
	26,27	Fort Devens		MM
	28	Mansfield	(1)	BC
NORTHERN CLOUDYWING	MAY 30	EMBS		TD
	JUN 11	East Longmeadow	(4)	BC,LL
	23	Foxboro	(5)	BC
	JUL 7	Foxboro	(1)	BC
DREAMY DUSKYWING	MAY 19	Plymouth	(2)	BC
	23	EMBS		TD
	30	Fort Devens		MM
	JUN 7	Foxboro	(3)	BC
	28	EMBS		TD
SLEEPY DUSKYWING	MAY 14	Plymouth	(2)	BC
	19	"	(4)	BC
	JUN 12	Foxboro	(2)	BC
JUVENAL'S DUSKYWING	APR 29	Wayland		TD
	MAY 14	Easthampton		TF
	20	EMBS	(19)	LL
	JUN 11	East Longmeadow	(3)	BC,LL
	26,27	Fort Devens		MM
HORACE'S DUSKYWING	MAY 15,30	Fort Devens		MM
	JUL 27	Fort Devens		MM
	AUG 6	Easton	(5)	LL
	8	EMBS		TD
	20*	Easton	(1)	BC
WILD INDIGO DUSKYWING	JUN 12	Foxboro	(1)	BC
	14	Charlton		MF
	28	EMBS		TD
	JUL 27	Fort Devens		MM
	AUG 6	Easton	(2)	BC
	SEP 14*	Easton	(2)	BC
COMMON SOOTYWING	MAY 17	Easthampton		TF
	19	Wayland		TD
	JUN 11	East Longmeadow	(2)	LL,BC
	JUL 29	Foxboro	(1)	BC

ARCTIC SKIPPER	JUN 13	BMBS (caught in spider's web)		TD
LEAST SKIPPER	JUN 20	Princeton		TD
	29	Easthampton		TF
	AUG 26	Fort Devens		MM
	30	East Longmeadow	(2-3)	KP
	SEP 1	Wayland		TD
EUROPEAN SKIPPER	JUN 4	BMBS		LL
	18	Mansfield	(8200)	BC
	24	" (same site	28000)	BC
	23	Foxboro	(2600)	BC
	JUL 28	Foxboro	(1)	BC
LEONARD'S SKIPPER	AUG 23	Montague		MF
	26	Fort Devens		MM
	30	Easton	(1)	BC
		BMBS	(7)	TD
	SEP 14	Easton	(1)	BC
COBWEB SKIPPER	MAY 15	Wayland		TD
	19	Plymouth	(3)	BC
	23	BMBS	(37)	TD
	30	Fort Devens		MM
	JUN 11*	East Longmeadow	(2)	BC
INDIAN SKIPPER	JUNE 7	Foxboro	(3)	BC
	10	West Bridgewater	(2)	BC
	12	Foxboro	(5)	BC
	JUL 3*	Foxboro	(1)	BC
	PECK'S SKIPPER	MAY 28	South Hadley	
30		BMBS		TD
JUN 4		BMBS	(15)	LL
SEP 13		East Longmeadow		KP
OCT 2*		Sudbury	(1)	TD
TAWNY-EDGED SKIPPER	MAY 29	Easthampton		TF
	JUN 10	West Bridgewater	(10)	BC
	JUL 1	BMBS		LL
	SEP 20*	Norfolk	(1)	BC
CROSSLINE SKIPPER	JUL 7	Foxboro	(2)	BC
	11,27	Fort Devens		MM
	22	Foxboro	(6)	BC
	AUG 8	Easton	(1)	BC
LONG DASH	JUN 10	West Bridgewater	(6)	BC
	12	Foxboro	(34)	BC
	13	BMBS	(14)	TD
	23	Foxboro	(27)	BC
	JUL 1	Sudbury		TD
NORTHERN BROKEN DASH	JUN 28	Foxboro	(1)	BC
	JUL 22	Foxboro	(5)	BC
	AUG 8	BMBS	(22)	TD
	20	Easton	(4)	BC
	SEP 9*	Foxboro (one male @ Buddleia)		BC

LITTLE GLASSYWING	JUL 6	Easton	(1)	KR, BC
	AUG 2	Foxboro	(1)	BC
	29*	BMBS		TD
DELAWARE SKIPPER	JUN 20	Easthampton		TF
	JUL 7	Foxboro	(1)	BC
	22	"	(4)	BC
	27	Fort Devens		MM
	AUG 8	BMBS		TD
MULBERRY WING	JUL 24	Granby		TF
	28	Easton	(6)	RM
	AUG 6	Easton	(32)	BC
	20*	Easton	(8)	DL & co.
HOBOMOK SKIPPER	MAY 28	Wayland		TD
	28	Sharon	(1)	BC
	29	BMBS	(5)	LL
	JUN 2	Easthampton		TF
	JUL 3	Mansfield	(1)	BC
ZABULON SKIPPER	JUN 10	East Longmeadow	(6)	RP
	AUG 24	" "	(1f.)	RP
	26	" "	(1m.)	RP
	SEP 15*	South Hadley	(1m.)	TF
BROAD-WINGED SKIPPER	AUG 12	Easton	(2)	LL
	15	BMBS		TD
BLACK DASH	AUG 6	Easton	(26)	BC
DUN SKIPPER	JUN 22	Easthampton		TF
	JUL 1	BMBS		LL
	AUG 8	Easton	(15)	BC & co.
	12	"	(5)	LL
DUSTED SKIPPER	MAY 29	BMBS		LL
	30	Fort Devens		MM
	JUN 2	Easthampton		TF
	7	Foxboro	(26)	BC
	12	" (same site - 13)		BC
	26,27	Fort Devens		MM
PEPPER AND SALT SKIPPER	MAY 20	BMBS	(3)	LL
	MAY 29	"	(7)	LL
	JUN 14,16	Dedham		DW
	26,27	Fort Devens		MM

LOCALITIES: BMBS - Broad Meadow Brook Sanctuary (M.A.S.), Worcester
Fort Devens - Ayer

LATE FLIGHT DATES ARE DESIGNATED BY AN ASTERISK (*); EARLY DATES BY TWO ASTERISKS (**)

RECORDS FROM THE XERCES BUTTERFLY COUNTS ARE PUBLISHED SEPARATELY AND ARE NOT INCLUDED HERE.

1992 BUTTERFLY CENSUSES

Massachusetts Butterfly Club members conducted butterfly surveys in various parts of Massachusetts in 1992. Below are notes on the censuses; more detailed information may be available from the individual compilers.

1. Arcadia Wildlife Sanctuary, Massachusetts Audubon Society -
Tim Fowler inventoried the wooded riverine environment of Arcadia and reported his results at the November Ecological Management Team presentation, at the sanctuary. Tim found 34 species.
2. Broad Meadow Brook Sanctuary, Massachusetts Audubon Society - Worcester
Tom Dodd coordinated the census here for a second straight year, and he and his volunteers found 56 species, including seven species new for the sanctuary. The two year total at BMBS, 62 butterfly species, is the largest total yet recorded for any M.A.S. property, and this is an urban sanctuary. The results of the census were presented at the Second Annual Ecology Mini-Conference, held at BMBS on November 21.
3. Fort Devens, Ayer
Mark Mello, director of the Lloyd Center, conducted moth and butterfly surveys here in 1992. Census dates were May 15 & 30, June 26 & 27, July 11 & 27, and August 26. 52 species were found.
4. Oldfield community, Foxboro
A 33-acre, "waiting-to-be-developed" area was censused for butterflies on fifteen dates - five dates each in June, July, and August. Brian Cassie found a total of 48 species, including a population of the state-listed Southern Hairstreak.

RE-DISCOVERY OF LEONARD'S SKIPPER IN CONNECTICUT

MBC member Richard Hildreth of Holliston deserves our praise for searching for and re-discovering the Leonard's Skipper in the state of Connecticut. An excerpt from Richard's letter to Dave Wagner of the University of CT follows:

"The July 1992 issue (Vol.2, No.3) of the Massachusetts Butterfly Club News contained a table listing butterfly species designated threatened, endangered, or of special concern for the New England states. *Hesperia leonardus* was listed as of special concern (extirpated) in Connecticut.....Leonard's Skipper is present as an adult in the very late summer-early fall period (after many lepidopterists "hang up" their nets for the season). It is usually found in moist weedy sites such as roadsides and unmowed fields. It is almost always found nectaring on one of the species of Joe-Pye-Weed (*Eupatorium*). On 5 September 1992, I visited Thompson, Connecticut (1009-1145 hours) to search for Leonard's Skipper. The weather was warm, still, and mostly cloudy. I found three Leonard's Skippers (nectaring on *Eupatorium*) at two sites in Thompson in the French River Valley in the village of Wilsonville. One specimen was collected and several photographs were taken..."

Mr. Hildreth forwarded the specimen to the University of Connecticut, which is the official repository for the deposition of material for the Department of Environmental Protection.

THE SITE GUIDE: BARE HILL ROAD, MILES STANDISH STATE FOREST, PLYMOUTH

This is an excellent area for several species of elfins, including the local Hoary Elfin.

DIRECTIONS: From Route 44 in Plymouth, turn south on to Seven Hills Road. At 0.9 miles, turn left on to Black Cat Road. Drive 0.1 miles and turn left on to the extension of Black Cat Road. Drive 1.6 miles to the end of Black Cat Road. Turn right. Drive 3.5 miles, to a powerline clearing. From here, it is 2.5 miles to the end of Bare Hill Road (at the point where it meets with the road to College Pond).

WHAT'S THERE: There is lots of Bearberry and Lowbush Blueberry throughout this area, under the powerlines and along the roadside. When these are in bloom in the spring, they attract elfins and other spring-flying butterflies. Birdfoot Violet is also plentiful, especially along the roadside. There was virtually no traffic here during several visits in May 1992. The following butterflies were observed from 10:20 a.m.-2:25 p.m. on 19 May 1992.

CABBAGE WHITE	1	AM. PAINTED LADY	2
SULPHUR, SP? (ALBINO)	1	PAINTED LADY	40
BROWN ELFIN	17	DREAMY DUSKYWING	2
HOARY ELFIN	27	SLEEPY DUSKYWING	3
FROSTED ELFIN	1	JUVENAL'S DUSKYWING	1
E. PINE ELFIN	15	DUSKYWING, SP?	24
SPRING AZURE	73	COBWEB SKIPPER	3
MOURNING CLOAK	1		

REPORT ON FIELD TRIP TO THE GREAT DISMAL SWAMP AND VICINITY, 21-24 AUG. 1992.

The New York City Butterfly Club invited members of the Massachusetts Butterfly Club to participate in a field tour to the Great Dismal Swamp in eastern Virginia. Four MBC members - Brian Cassie, Tom Dodd, Donna Lang, and Lyn Lovell - joined NYCBC members Rick Cech, Jack Connor, Jeff Glassberg, John Lawrenson, Peter Post, Steve Walter, and John Yrizarry for the weekend. The companionship and butterflies were both fine. At least fifty-seven species of butterflies were seen, thanks in large measure to the excellent organization of NYCBC Vice-President Jeff Glassberg. Highlights were lots of swallowtails, including Zebra and Palamedes, Great Purple Hairstreaks (64 one day), Creole Pearly Eyes, and many skippers, with Lace-winged, Carolina, and Reversed Roadside Skippers, Aaron's Skipper, Yehl Skipper, and Saltmarsh Skipper the most interesting from the New Englander's perspective. Total mileage, Milford to Milford : 1437 miles.

ENGLISH NAMES FOR NORTH AMERICAN
BUTTERFLIES

The English Names Committee of the North American Butterfly Association is currently at work developing a list of English, or common names, for all species of North American butterflies. It is hoped that the N.A.B.A. names will be adopted by professional and avocational lepidopterists. The first segment

of the list, the butterflies of the northeastern United States, has recently been published in Volume 1: Number 1 of "American Butterflies." Listed below are some of the new (and improved!) names we will be getting used to.

JUNIPER HAIRSTREAK	Formerly known as Olive Hairstreak, this species has been "lumped" with several others, all now known as Juniper Hairstreak.
AMERICAN SNOOT	Formerly known as the Snout Butterfly.
NORTHERN CRESCENT	Formerly known as Northern Pearl Crescent.
EASTERN COMMA	Formerly known as Comma (and Hop Merchant).
AMERICAN LADY	Formerly known as American Painted Lady.
HACKBERRY EMPEROR	Formerly known as the Hackberry Butterfly.
COMMON RINGLET	Formerly known as Inornate or Prairie Ringlet.
COMMON ROADSIDE SKIPPER	Formerly known as Roadside Skipper.

"AMERICAN BUTTERFLIES"

As mentioned above, the inaugural issue of "American Butterflies" has recently eclosed from the chrysalis. My congratulations to the editor, Jeffrey Glassberg, for an inspirational first issue. We all need to support this publication through membership in the North American Butterfly Association. NABA "was formed to educate the public about the joys of non-consumptive recreational butterfly-ing including listing, gardening, observation, photography, rearing, and conservation." Send membership inquiries to NABA, 39 Highland Avenue, Chappaqua, NY 10514. Membership dues for the U.S. are: Regular, \$20; Family/Sponsor/Institutional \$30; Patron \$100; Life \$350. Outside the U.S. please add \$5 to cover increased postal costs.

REGAL FRITILLARY UPDATE

The Regal Fritillary has disappeared from Massachusetts in the past few years, as it has vanished from almost all of its former East Coast range in the last four decades. There is a program underway to attempt re-establishing the Regal Fritillary in New England. Three female fritillaries were imported into New England and produced approximately 5000 eggs. Scientists from a number of agencies (several of whom are MBC members) are working together to try to ensure the survival of as many tiny first-instar larvae as possible. Overwintering is a critical time in the lives of the young caterpillars, and many succumb to parasites, cold, and other factors. We will try to keep our members as up-to-date as possible on this project.

THE WHITE M HAIRSTREAK (*Parrhasius m-album*) IN MASSACHUSETTS: NOTES ON ITS IDENTIFICATION, THE 1992 "FLIGHT", AND A REVIEW OF THE SPECIES' HISTORICAL STATUS IN THE STATE.

In Massachusetts, the White M Hairstreak reaches the northern limit of its range. It is a remarkably handsome butterfly, larger than any other New England hairstreak. Both sexes are vivid, iridescent blue above and grayish-brown below, with a striking white postmedian band across the underwings, the portion on the lower hindwing forming an inverted "M" shape. There is a diagnostic white spot near the costal, or leading edge of the hindwing below. Because of its size, the White M Hairstreak is unlikely to be confused with many other species. Most similar is the rare Southern Hairstreak (*Fixsenia favonius ontario*), formerly known as the Northern Hairstreak. The Southern Hairstreak is very similarly colored and patterned to the White M Hairstreak on the underside, although it lacks the White M's white costal spot. The brilliant blue coloration of the White M Hairstreak is only seen when the butterfly is in flight, so exercise caution in identifying sitting insects.

In 1992, there were four site records for White M Hairstreak in Massachusetts, all but one (Easton, Bristol County) being first county records. The first was discovered by Mark Kasprzyk and interns from the Manomet Bird Observatory in Plymouth on 3 June. Richard Walton found an individual White M Hairstreak on 6 August in Sudbury (Middlesex Co.). On the same date, Lyn Lovell and Brian Cassie discovered a colony of the species in Easton. Five butterflies were counted on 6 August, sixteen were observed on 8 August (Dodd, Cassie, & co.), four on 12 August (L.Lovell), and four on 20 August (B.Cassie). Richard Hildreth obtained the first Worcester County record on 21 August, when he found a single White M Hairstreak at Milford.

The Easton population was observed over a two-week period, as noted above, and is the first real colony known for Massachusetts. Adults only were seen, and in all instances but two were found nectaring at Sweet Pepperbush, *Clethra alnifolia* (the other two were nectaring at Meadowsweet and Joe-Pye-Weed). Sweet Pepperbush is an abundant shrub at the site, growing at the edge and in the midst of a Red Maple swamp. Only Sweet Pepperbush plants next to the site's roadways were checked and these represented a fraction of the number present in the immediate area. Systematic counting was undertaken by Dodd and Cassie on 8 August only. The butterflies were fearless and allowed very close approach, which delighted the photographers on hand on 8 August.

The White M Hairstreak has a southern distribution, and was not found in Massachusetts until July 1979, when Robert Edwards discovered one in Fal-mouth (Barnstable Co.). Since then, the species has occurred in southern Bristol County at New Bedford and Dartmouth in 1984, 1987, 1988, and 1991 (M.Mello, T.Massey, and D.Zimmerlin), Sheffield (Berkshire Co.) in 1987 (E.Dunbar), and Penikese Island (Dukes Co.) in 1989 (T.French). French found individuals on successive days at Penikese; all the other records are of single specimens.

White M Hairstreaks may be expanding their range northward. Records from late May/early June (Mello, 1987; Massey, 1988; Kasprzyk, 1992) may indicate that there is a small resident population of the species in Massachusetts. It is unlikely that emigrants from the South would arrive at such an early date. It appears that the White M Hairstreak is double- and possibly triple-brooded in Massachusetts. Larvae feed on various oaks.

Thanks to Mark Mello of the Lloyd Center for his data on the species from southern Bristol County, where it has been observed intermittently for eight years.

Brian Cassie

 * MASSACHUSETTS BUTTERFLY CLUB *
 * *
 * CALENDAR OF EVENTS - 1993 *
 * *

THE CLUB WILL SPONSOR A NUMBER OF WALKS THIS YEAR, SOME OF WHICH ARE LISTED BELOW. DETAILS OF OTHER WALKS AND EVENTS WILL BE PUBLISHED IN FUTURE NUMBERS OF "MASSACHUSETTS BUTTERFLIES." IF YOU ARE WILLING TO LEAD A FIELD TRIP OR HAVE SUGGESTIONS FOR GOOD OUTINGS, PLEASE CONTACT THE EDITOR, BRIAN CASSIE @ 508-543-3512.

MAY

SUNDAY 16 - TANNERY FALLS, SAVOY (LEADER: LYN LOVELL 508-473-7327) Last year, the Falcate Orangetip was seen here, and we will be trying for a repeat performance. Contact the leader for details.

SATURDAY 22 - MYLES STANDISH STATE FOREST, PLYMOUTH (LEADER: BRIAN CASSIE 508-543-3512) This trip will acquaint us with the spring butterflies of the pine barrens, especially the elfins.

JUNE

WEEKEND TRIP TO MOUNT GREYLOCK, MA AND WESTERN ME (LEADERS: TO BE ANNOUNCED) The exact timing of this trip has not yet been worked out, but it will be either the second or third weekend in the month, Friday through Sunday. We will be looking for Early Hairstreak at Mount Greylock and bog specialties, such as Western Pine Elfin, Bog Fritillary, and Jutta Arctic in Maine. Please contact Brian Cassie if you are interested.

SATURDAY 26 - NORTHERN BERKSHIRE COUNTY NABA/XERCES BUTTERFLY COUNT (COORDINATOR: MARK FAIRBROTHER 413-367-2695). Please try to help out on one of the big butterfly counts this year. The coordinators welcome all the help they can get.

SUNDAY 27 - BROAD MEADOW BROOK SANCTUARY, WORCESTER (LEADER: TOM DODD) This will be the first of three afternoon butterfly walks offered by Tom this summer. Contact the sanctuary (508-753-6087) for details and directions. The walk will begin at 1 p.m.

JULY

SATURDAY 10 - CENTRAL FRANKLIN COUNTY NABA/XERCES BUTTERFLY COUNT (COORDINATOR: MARK FAIRBROTHER 413-367-2695)

SUNDAY 11 - FOXBORO NABA/XERCES BUTTERFLY COUNT (COORDINATOR: BRIAN CASSIE)

SUNDAY 25 - BROAD MEADOW BROOK SANCTUARY, WORCESTER (LEADER: TOM DODD) 1 p.m. start

SATURDAY 31 - EASTON (LEADER: BRIAN CASSIE) Contact Brian for details.

AUGUST

SATURDAY 14 - EASTON (LEADER: BRIAN CASSIE) Contact Brian for details.