

# Field Records April 1986

by George W. Gove and Lee E. Taylor

April 1986 included near normal temperatures, scant rain, but lots of fog and clouds. The temperature averaged  $48.4^{\circ}$  F, and the month began very warm with the high temperature of  $72^{\circ}$  occurring on April 2. The low was  $34^{\circ}$  on April 11 and 12.

Rain totaled only 1.59 inches, 2.14 inches below normal in spite of having eleven days with measurable precipitation, including eight days in a row, April 21-28. There was a trace of snow on April 6, leaving the seasonal total of 18.1 inches, 23 inches less than average and one of the lowest snowfall years on record. There was 51 percent of possible sunshine. Wind speed averaged 11.4 mph, with gusts to 31 mph from the northeast on April 18 and to 40 mph from the northeast on April 25. On twenty-one of the days the wind was from an easterly direction, a new record for fifty-one years of airport records. Fog was unusually frequent for the last ten days of the month, with extremely poor visibility on five of these days.

G.W.G.

#### LOONS THROUGH HERONS

The Western Grebe in Winthrop was a carry-over from March. A Northern Fulmar and Northern Gannets were noted at Stellwagen Bank. Double-crested Cormorants were migrating north in numbers after April 20. American Bitterns were noted at three locations, and the usual spring assortment of herons was reported, including Little Blue Heron, Tricolored Heron, Cattle Egret, and Glossy Ibis.

G.W.G.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Common Loon:			
6,26	Plum Island, P'town	9, 50+	BBC (J.Nove), K.Holmes
Red-necked Grebe:			
5	Scituate	1	F.Bouchard
Western Grebe:			
6	Winthrop	1	E.Nielsen
Northern Fulmar:			
20	Stellwagen	1	K.Holmes
Northern Gannet:			
14,26	P.I., Stellwagen	10, 16	BBC (D.Dillavou), K.Holmes
Great Cormorant:			
12	Newburyport	10	E.Nielsen
Double-crested Co	rmorant:		
12,20	Ipswich, Wachusett	58, 900	BBC (G.Gove), P.Roberts#
20	Newburyport, SRV	400, 150	E.Nielsen, F.+M.McClellan
26	Bridgewater	100 (est.)	SSBC (K.Anderson)
American Bittern:			
6	Marshfield	1	E.Nielsen
20,27	Hamilton, Lynnfield	1, 1	J.Berry, R.Forster
Great Blue Heron:			Carrier and All Annual Carrier and Carrier
8,12	Saugus, Boxford	9, 6	J.Berry, BBC (G.Gove)
20,21	Topsfield, Mount Auburn	7, 4	E. Nielsen, BBC (M. Greenwald)
Great Egret:		100.50=200	
9,12	Concord, Ipswich	1, 1	R.Forster, BBC (G.Gove)
15,27	Essex, Ipswich	6, 1	R.Heil, J.Berry
Snowy Egret:	CHARLEST TO COMMUNICATION		and the contract of the contra
2,5	Squantum, Marshfield	2, 2	W.Cornwell, F.Bouchard
12,19	Ipswich	10, 14	BBC (G.Gove), R.Forster
Little Blue Heron	:	777.7 (6)8/	
12,13	Ipswich, Newburyport	2 ad., 1	BBC (G.Gove), BBC (R.Hale)
18	Middleboro	1	R.Bishop
Tricolored Heron:			
29	N. Monomoy	1	R. Humphrey
			, , , , , , , , , , , , , , , , , , ,

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Cattle Egret:			
21	Ipswich	20+	J.Geiger
Green-backed He	eron:		
22	Cambridge (F.P.)	1	BBC (D.Lange)
Black-crowned N	Night-Heron:		
thr.	Mount Auburn	max. 8 (4/25)	v.o.
13	Lexington	5	BBC (S.Sanders)
Glossy Ibis:			10 MAP 15
7,12	Haverhill, Ipswich	1, 40	D.Hildt#, BBC (G.Gove)
24,27	Ipswich	95, 56	R.Forster, J.Berry#
8.50	•		

### WATERFOWL

Compared with the last two Aprils, the number of Snow Geese migrating through Massachusetts was very low. Other migrating waterfowl were present in not great numbers. Female Hooded Mergansers were noted nesting at three sites in southeastern Massachusetts, and Red-breasted Mergansers were still concentrated around Monomovy in early April.

G.W.G.

Mute Swan:			
thr.	S.Dartmouth	max. 19 (4/1)	LCES (R.Marshall)
Snow Goose:	S. Dar Chioden	max. 15 (4/2/	
	N Managary Plum Inland	1 55	B.Nikula#, F.Hamlen
1-10,2	N.Monomoy, Plum Island	1, 55	J.Berry#, M.Witte
26,28	Newburyport, Bolton	1, 5	
Brant:	Code Nobert	EO 2EO	SSBC, W.Crawford
5,27	Scituate, Nahant	50, 250	
Wood Duck:	T	10 0	J.Berry, SSBC (K.Anderson)
13,26	Ipswich, Middleboro	12, 2	,,
Green-winged Tea		200 160	F.Hamlen, B.Cassie
2,9	Plum Island, Millis	200, 160	R.Forster
24	Essex County	230	KIIOISECI
American Black D		(1/1)	LCES (R.Marshall)
thr.	S.Dartmouth	max. 188 (4/1)	LODD (Milatoliall)
Northern Pintail			F.Hamlen, B.Nikula#
2,13	Plum Island, S.Monomoy	15, 16	r. Hamien, b. Nikulay
Blue-winged Teal	:		E Hamilton PRC (C Comp)
2,12	Plum Island, Ipswich	4, 2	F.Hamlen, BBC (G.Gove)
13,25	Westport, Easton	6, 2	R.Stymeist#, R.Turner#
Northern Shovele	r:		·
2,12	Plum Island, Ipswich	3, 2	F.Hamlen, BBC (G.Gove)
13,20	S.Monomoy, Plum Island	20, 2	B.Nikula#, E.Nielsen
Gadwall:	100 C		
2,13	Plum Island, S.Monomoy	12, 30	F.Hamlen, B.Nikula#
26	Provincetown	6	K.Holmes
American Wigeon:			PROGRAMMAN PROGRAMMAN AVENUANCE
	lington Reservoir, Ipswich	37, 3	L.Taylor, R.Forster
Ring-necked Duck		37.39 <b>8</b> 9475.	
12,13	Ipswich, Newburyport	2, 26	BBC (G.Gove), BBC (R.Hale)
19,26	Milton, Lakeville	7, 2 BBC (G.	d'Entremont), SSBC (K.Anderson)
Greater Scaup:			
2,26	Newburyport	12, 40	F.Hamlen, BBC (W.Van Cor)
Lesser Scaup:		27.7.5 ST	
13,21	S.Monomoy, Lakeville	9, 5	B.Nikula#, K.Holmes
Common Eider:	ornonomy, namerizate	., .	
6	Winthrop	150	E.Nielsen
1.75	winchiop	150	
Oldsquaw: thr.	Newburyport	400	E.Nielsen
White-winged Sco		400	
26	Provincetown	100	K.Holmes
		100	
Common Goldeneye		20 150	F. Hamlen, E. Nielsen
2,12	Newburyport	30, 150	AND DESCRIPTION OF STREET STREET
Barrow's Goldene			F. Hamlen, W. Petersen
2,5	Newburyport, Scituate	1, 1 f.	
Bufflehead:			J.Berry
thr.	Beverly-Salem	max. 27	J. Delly
Hooded Merganser			w/eggs, f. on nest R.Turner
1	S.Hanson, Easton, S. Carver		
2,6	Dover, Arlington	2 f., 5	F. Hamlen, L. Taylor
Common Merganser	•		PRC (P Usle) PRC (U U- C-)
13,26	Newburyport	21, 12	BBC (R.Hale), BBC (W. Van Cor)
27, 30	Wakefield, Wayland	45 f., 5	R.Forster

SPECIES/DATE LOCATION NUMBER OBSERVERS APRIL 1986

Red-breasted Merganser:

thr. S.Dartmouth max. 103 (4/30) LCES (R.Marshall) 4,13 N.Monomoy 2000, 1500 B.Nikula

Ruddy Duck:

Turkey Vulture:

5 Arlington 9 L.Taylor

## TURKEY VULTURE THROUGH NORTHERN BOBWHITE

All of the raptors were represented in migration, with no unusual numbers. The third week of the month appeared best for the most species and numbers reported. Northern Goshawks were noted at nests in Boxford and in East Middleboro, where Red-shouldered Hawks were also present at a nest. Reports of Peregrine Falcons were concentrated from the Boston area. The Boston birds were banded and spent their time at the Custom House feeding on starlings and migrants, such as flickers. An adult was seen at Mount Wachusett harassing four Turkey Vultures.

G.W.G.

Idikey various.		0	D M/ 1
5-27	Petersham	total 9	E.Nielsen
3,17	Manchester, Swansea	4, 3	R.Heil, V.Paquette
5-30	10 loc. 1-2	ind.(24 total)	v.o.
Osprey:			
10,20	Sharon, Mt. Watatic	1, 8	K.Ryan, R.Stymeist#
20,26	Mt. Wachusett, Lakeville		Roberts#, SSBC (K.Anderson)
Bald Eagle:		15-17-15-15-15-15-15-15-15-15-15-15-15-15-15-	
5;6,21	Petersham; Lakeville	1; 1 ad.	E. Nielsen; K. Holmes
Northern Harris		.,	
	E.Middleboro, Plum Island	1 1 2	K.Anderson, BBC (J.Nove)
5,6	. The Conference of the Confer	1 m.	J.Carter
10	Lincoln	ı m.	J. Carter
Sharp-shinned l		0/ 0	D D 1
20,30	Mt. Wachusett, Easton	24, 2	P.Roberts#, K.Ryan
Cooper's Hawk:			
3,13	Concord, Petersham	2, 1	R.Walton, E.Nielsen
14,19	Middleboro, W.Newbury	1, 1	D.Briggs#, R.Forster
20	Mt. Wachusett, Mt. Watat:	ic 1, 1	P.Roberts#, G.Gove#
Northern Goshav	wk:		
thr.	E.Middleboro	pr. at nest	K.Anderson
thr.	Boxford	pr. at nest	J.Berry + v.o.
19,27	Ipswich, Petersham	1, 1	BBC (J.Berry), E.Nielsen
Red-shouldered		26.0	
thr.	E.Middleboro, Boxford	nr. at nest. 1-	3 K.Anderson, v.o.
	Petersham; Norwell	1, 2; 2	E.Nielsen; W.Petersen
5,27;30	The state of the s	1, 2, 2	Billierden, wirecerden
Broad-winged H		72 62	P.Roberts#, L.Taylor#
20	Mt. Wachusett, Mt. Watat		
20,27	Concord, Petersham	9, 4	J.Carter, E.Nielsen
Red-tailed Haw			W. A. Janes D. W. allen
thr.	E.Middleboro, Petersham	1-2, 1-2	K.Anderson, E.Nielsen
Rough-legged H			
5,22	W.Bridgewater, Lincoln	1, 1	F.Bouchard#, J.Carter
28,30	Saugus	1 (1t.)	J.Berry
American Kestr	el:		
6.19	Plum Island, Ipswich	4, 4	BBC (J.Nove), BBC (J.Berry)
20,26	Mt. Wachusett, W.Newbury	32, 6	P.Roberts#, J.Berry
Merlin:	topic magnetic total accordences	CO425 19	
20;24,27	Mt. Watatic; Ipswich, P.	T. 1: 1. 1	L.Taylor#; R.Forster
Peregrine Falc			THE THE PARTY OF T
The second secon	Squantum, Milton	1 ad., 1	K.Ryan, F.Bouchard
5,13			J.Berry, J.Gordon#
21-22,19	Boston, Mt. Wachusett	1-2, 1 ad.	L.Robinson
29	Cambridge	1	L. RODINSON
Ruffed Grouse:			V tolonon P Welson
thr.	E.Middleboro, Petersham	1-2, max. 6	K.Anderson, E.Nielsen
Northern Bobwh			
28	Ashland	8	G.Gove

### RAILS THROUGH ALCIDS

A Lesser Golden-Plover was noted at Plum Island; one or two reports of this species in April are usual. Piping Plover were noted in good numbers on migration at Monomoy, where Willets were well represented also. The highest April count of Willets was on April 24, 1980, with 122 birds reported. No Spotted Sandpipers were reported this month, which is unusual. Including this April, Whimbrels have been reported in ten of the last fourteen Aprils. Over the sea off Provincetown, one was seen flying. An early White-rumped Sandpiper was both seen and heard on April 1 at Essex. The high-pitched

"jeet" call was noted. Only two other April reports appear in Bird Observer records, both on April 29. Two Ruffs were reported, and two Long-billed Dowitchers were seen flying on Plum Island. The richly colored underparts were noted, as was the "keek-keek" call.

Reported from Newburyport harbor were six Little Gulls and three Common Black-headed Gulls. The Mew Gull continued at Raccoon Island in Quincy. Caspian Terns were noted off Provincetown and at Yarmouthport. A Razorbill with a broken wing was seen at Chatham.

G.W.G.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Virginia Rail:			
12,19	Dover, Milton	1, 1	F. Hamlen, BBC (G.d'Entremont)
26	Wayland, GMNWR	4, 1	R.Forster, G.Gove
Common Moorhen: 20,22	Milton, Lynnfield	1, 2	R.Abrams, P.Lynch
Black-bellied Pla		PANA COLUMN	
15	Duxbury	145	D.Clapp
Lesser Golden-Pla			
19,20	Plum Island	1	R.Forster, E.Nielsen
Piping Plover:			A TORREST MANAGEMENT OF THE STATE OF THE STA
thr.,26	S.Dartmouth, Plum Island	max. 3 (4/16),1	LCES (R.Marshall), G.Gove
6,13,20	N.Monomoy	15, 30, 51	R. Humphrey
Killdeer:			Brooklynes were received
4,8	Marshfield, Pembroke	11, 12	D.Clapp
American Oysterca		100000	VI. 0 / CO /
4,30	N.Monomoy	14, 15	B.Nikula#
Greater Yellowle	gs:		
thr.	S.Dartmouth	max. 10 (4/30)	LCES (R.Marshall)
23,24	Newburyport	21, 45 B	BC (A.Blaisdell), R.Forster
Lesser Yellowlegs			and the state of t
2,10	Plum Island, Concord	4, 1	F. Hamlen, R. Walton
21,24	Lakeville, Newburyport	1, 1	K.Holmes, R.Forster
Solitary Sandpipe	er:		
<u>1</u> , 23	Essex, Concord	1, 1	R.Heil, R.Forster
Willet:			
29,30	S. Monomoy, Chatham	47, 30	R. Humphrey, P. Trull
30	S.Dartmouth	2	LCES (R.Marshall)
Upland Sandpiper	:		
22,24	Lincoln, Ipswich	1, 1	J.Carter, R.Forster
Whimbrel:			
20	off Provincetown	1	K.Holmes
Ruddy Turnstone:			
15	Duxbury	1	D.Clapp
Sanderling:			
15,19	Duxbury, Plum Island	23,30	D.Clapp, BBC (D.Dillavou)
White-rumped San		200	the state of
1	Essex	1 (seen and hea	rd) R.Heil
Pectoral Sandpip		12 21	22.2
2,20	Newburyport	22, 41	F. Hamlen, E. Nielsen
1,24	Essex-Ipswich, Topsfield	70, 14	R.Heil, R.Forster
Purple Sandpiper			
5,19	Marshfield, Plum Island	115, 6 F.	Bouchard#, BBC (D.Dillavou)
Dunlin:		(1 (0)	7.000 (D.W. 1.11)
thr.	S.Dartmouth		LCES (R.Marshall)
15	Duxbury	750	D.Clapp
Ruff:			511- N 016 P H-41
5-6,29	WBWS, Newburyport	1, 1	fide M.O'Connor, R.Heil
Short-billed Dow			BRG (I Name) - B France
6;19,24	Plum Island	2;2	BBC (J.Nove); R.Forster
Long-billed Dowi			B. Frances
24	Plum Island	2	R.Forster
Common Snipe:			n n 14 n Coorded
5,16	W.Bridgewater, Millis	30, 95	F.Bouchard#, B.Cassie#
19,27	Plum Island, Newbury	20, 60	BBC (D.Dillavou), R.Forster
American Woodcock		0 / 000 /	C Candors) BBC (A Bladedell)
13,15 29	Lexington, IRWS	115 Mr. 67	S.Sanders), BBC (A.Blaisdell) J.Paputseanos
	Nahant	1	o.raputseanos
Red-necked Phala:	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	4	K.Holmes
	Stellwagen	1	N. HOTHES
Laughing Gull:	off Beerless		K.Holmes
Little Gull:	off Provincetown	1	K. HOIMES
19,20	Newburyport	max. 4 ad. + 2	imm v o

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Common Black-he	aded Gull:		
12,19,20	Newburyport	max. 2 ad. + 1	imm. v.o.
-30	Chatham	1 ad.	R. Humphrey
Mew Gull:			
1-8	Quincy	1 (from Dec.)	D.Brown + v.o.
Iceland Gull:			
19,27	Plum Island	10, 2	BBC (D.Dillavou), R.Forster
Glaucous Gull:			
27	Newburyport	1	R.Abrams
Caspian Tern:			
26,29	off P'town, Yarmouthport	1, 2	K.Holmes, R.Scott#
Thick-billed Mu	rre:		
20	Stellwagen	3	K.Holmes
Razorbill:			
6,20	Chatham, Stellwagen	1,1	B.Nikula#, K.Holmes
Black Guillemot	:		
20	off Provincetown	5	K.Holmes

#### OWLS THROUGH WOODPECKERS

Great Horned Owls nested in Lexington on the state hospital grounds in plain view from the roadway, fledging three young on April 27, one of them a younger "adopted" owlet added to the nest by banders. Pairs of Barred Owls were noted in Medfield and Holliston, where they nest, and two saw-whet owls were also seen in Holliston. A Long-eared Owl appeared in Sudbury, a Red-headed Woodpecker in Concord, and Red-bellied Woodpeckers were found at three sites. Four Yellow-bellied Sapsuckers were seen at Mt. Auburn Cemetery. Individual Pileated Woodpeckers were reported from eight locations.

G.W.G.

		1.75	
Eastern Screec			2017
1-9	E.Middleboro	1	K.Anderson
Great Horned O		ever se sivangeau case	
thr.,4 Lexin	gton, E. Middleboro nest w/3	yg. fledged 4/27, 1	D.Arvidson+v.o., K.Anderson
Barred Owl:			
3	Medfield, Holliston	1 pr., 2 pr.	fide B.Cassie
13,19	Petersham, Ipswich	1, 1	E.Nielsen, J.Berry
Long-eared Owl	:		
14	Sudbury	1	R.Forster
Short-eared Ow:	1:		
thr.	N.Monomoy	max. 4 (4/22)	R.Humphrey#
1,16	S.Dartmouth	1, 1	LCES (R.Marshall)
Northern Saw-wi	het Owl:		
3	Holliston	2	fide B.Cassie
Chimney Swift:			
26,30	Gardner, Easton	2, 1	J.Baird, K.Ryan
27,28	Mount Auburn	1, 1	R.Martel, J.Heywood
Belted Kingfish	her:	550.4.4.7	Property March 18 Committee of the Commi
1,12	Watertown, Ipswich	1, 2	J.Gordon#, BBC (G.Gove)
12,13	W. Newbury, Petersham	2, 3	BBC (G.Gove), E.Nielsen
Red-headed Wood			
7	Bedford	1	R.Dodge
Red-bellied Woo			
	Concord, Wayland	1 f., 1	M.Rubel, J.Kenneally
14-30	Millis	1 f.	B.Cassie
Yellow-bellied			
2,6	Lexington, Boxford	1 m., 1 m.	M.Baird, J.Berry#
14,23-28	Dedham, Mount Auburn	1, 1-4	J.Marshall, S.Zendeh + v.o.
Downy Woodpeck		1, 1	ornardiazz, ornanda - rror
5,5-19	Woburn, Petersham	2, max. 4	BBC (R.Clayton), E.Nielsen
		2, max. 4	DDG (R.GLA) CON, DINIELDEN
Hairy Woodpeck	Petersham, Topsfield	max. 7, 3	E.Nielsen, J.Berry
13-27,13		pr., 4	H.Wiggin, F.Bouchard
12,30	Brookline, Saugus	pr., 4	n.wiggin, r.bodchard
Northern Flicke		15 12 PP	BC (G.d'Entremont), E.Nielsen
19, 27	Milton, Petersham	15, 12 BE	G. G. G. Entremont), E. Nielsen
Pileated Woodpe		1 2	
thr.	Boxford	1-2	v.o.
keports o	of individuals from seven 1	ocations.	

### EASTERN PHOEBE THROUGH EVENING GROSBEAK

Weather patterns this year did not support a strong April passerine migration. Remarkably, winds were, in general, consistently from the east, accompanied by cold air masses. The sole exceptions were the periods during April 1-4 and April 21-22. Either during or immediately after both of these periods a few interesting first

arrivals were noted, including Ruby-crowned Kinglet, Hermit Thrush, Loggerhead Shrike, Palm Warbler, Rose-breasted Grosbeak, and Rufous-sided Towhee. The auspicious weather during the third week of the month brought Blue-gray Gnatcatcher, Black-and-white Warbler, Blue Grosbeak, and Indigo Bunting, though not in the numbers that are normally expected based on recent Aprils. The dearth of migration was especially evidenced by two warbler parameters: species diversity and numbers of Palm Warbler (the one species that usually completes the bulk of its migration through Massachusetts during April). The total of warbler species reported for April this year was seven, lowest in the last ten years; this may be compared with an average of seventeen species. Similarly, at a total of sixteen individuals, Palm Warbler reports were at a ten-year low and may be compared with norms of slightly over a hundred individuals. Other expected migrant species for which reports were notably missing were House Wren and Gray Catbird.

The month provided two reports of spectacularly rare species. On April 6, a Fieldfare was discovered in a Concord field enjoying the worm fare with robins and constituting the first Massachusetts state record. Refer to the April 1986 issue of this periodical for further details of this occurrence, one of relatively few for North America. On April 24, two female Boat-tailed Grackles were observed for a short time along the road from Newburyport to Plum Island. Based on recent reports from Rhode Island, this first state record for the species had been anticipated.

L.E.T.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Eastern Phoebe:			
thr.	Mt. Auburn, Petersham	8 max. (4/3),	8 max. (4/19) v.o., E.Nielsen
12-19,19	Boxford, Milton	8 max. (4/19)	, 3 v.o., BBC (G.d'Entremont)
Great Crested Fly	catcher:		AND AND ADDRESS OF THE PARTY OF
26	Topsfield	1	J.MacDougall
Horned Lark:			
9,26	Concord, Plum Island	2, 4	R. Forster, BBC (W. Van Cor)
Purple Martin:			
16,20-27	Middleboro, Plum Island	1 m., 4 max.	(4/20) D.Briggs, v.o.
Tree Swallow:			
5,26	Marshfield, Lakeville	6, 50	F.Bouchard, SSBC (K.Anderson)
Northern Rough-wi		1.50	
10,19	Wayland, Milton	4. 3	R.Forster, BBC (G.d'Entremont)
25,29	Concord, Marshfield	2, 2	J.Carter, D.Clapp
Bank Swallow:	oomeora, maramara	-, -	
19,26	Ipswich, Lakeville	1, 6	R.Forster, SSBC (K.Anderson)
Cliff Swallow:	ipowien, buneville	-, -	
29	Marshfield	1	D. Clapp
Barn Swallow:	Harshille. G	1	1.750-1.750-1.40
	Baumban Hauland	1, 9	R.Forster
20,23	Raynham, Wayland	1, 7	
Eurasian Jackdaw:		1	E.Andrews#
thr.	Nantucket	1	
American Crow:		40 150	BBC (R.Clayton), E.Nielsen
5	Woburn, Bolton	40, 150	(
Fish Crow:	W	nu montino	g, 1-2 v.o., K.Anderson
thr. 6-27,30	Mt. Auburn, E. Middleboro 4 locations, Saugus	5 singles, 4	
Common Raven:			7 C 1-4 P P-1
20	Mt. Watatic, Mt. Wachuset	t 3, 7	J.Gordon#, P.Roberts
Red-breasted Nuth	natch:		W 1-1
thr.	E.Middleboro, Boxford	2, 2 max.	K.Anderson, v.o.
5-27,15-30	Petersham, Mt. Auburn	10 max., 2-3	E.Nielsen, v.o.
Brown Creeper:			
6-12,12	Boxford, Weston	6 max., 8	v.o., R.Stymeist
5-27,19	Petersham, Milton	15 max., 3	E.Nielsen, BBC (G.d'Entremont)
Carolina Wren:			7.000 2010 201
6,13	Ipswich, Rowley	1 m., 1	J.Berry, BBC (R.Hale)
Winter Wren:			37.81 E-2 0-37.1
13,20	Topsfield, Eastham	1 m., 1	J.Berry, C.Goodrich
21,27	Boxford, Ipswich	1, 1	E.Nielsen, J.MacDougall
Marsh Wren:			
26	Plum Island	1	BBC (W.Van Cor)
Golden-crowned Ki			
5,6	Petersham, Boxford	12, 9	E.Nielsen, J.Berry#
14,29	Plum Island, Mt. Auburn	5, 4	J.Grugan, BBC (L.Taylor)
Ruby-crowned King	The state of the s	F. 17	
2.14	P'town, Plum Island	15, 25	P.Trull, J.Grugan
	Mount Auburn, Boxford	25 may (4/2	7), 8 v.o., BBC (W.Van Cor)
10-30,26		23 max. (4/2	
Blue-gray Gnatcat		1 1	C.Goodrich, G.Gove
20,24	Eastham, Wayland	1, 1	E.Nielsen
27	Petersham	10	

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Eastern Bluebird	li .		
thr.,2	E.Middleboro, Lakeville	pr., 4	K.Anderson, E.Naves
13,20	Ipswich, Princeton	pr., 2 pr.	J.Berry, P.Roberts
22	Sudbury, Lincoln	1, 2	R.Forster, C.Leahy
Hermit Thrush:	Nahant, Weston	2 1	L.Pivacek, R.Stymeist
4,12	Mount Auburn, Petersham	2, 1 25 may (4/24)	, 9 v.o., E.Nielsen
13-30,27 Fieldfare:			R.Richards et mult. al.
6-14	Concord	1	K. Alchards et mare. ar.
Brown Thrasher: 25,28	Wayland, Stoneham	2, 1	G.Gove, M.Martinek
Water Pipit: 24	Ipswich	2	R.Forster
Cedar Waxwing:			70 - I Bower
thr., 6	Mount Auburn, Ipswich	90 max. (4/30)	, 70 v.o., J.Berry
Loggerhead Shril			R.Abrams#
5-7	Marshfield	1	K. ADI dillo
White-eyed Vired		1	v.o.
27-30	Mount Auburn		
Solitary Vireo: 20-30,26	Mount Auburn, Boxford Petersham, Duxbury	3 max. (4/24), 6,2	2 v.o., BBC (W.Van Cor) E.Nielsen, D.Clapp
27,29	receisiam, buxbury	0,2	
Warbling Vireo:	Cambridge	1	P.Lavin
Orange-crowned N	Warbler: Brookline	1 (details)	B.Hallett#
29 Yellow Warbler:	Brookiine	I (decarro)	
30	Cambridge	3	J.Barton
Yellow-rumped Wa			
3,20-30	Medford, Mount Auburn	1 f., 20 max.	(4/27) E.Nickerson, v.o.
21,25	Boxford, Brookline	12, 16	E.Nielsen, H.Wiggin
Pine Warbler:			K.Anderson, J.Grugan
thr.,3	E.Middleboro, Newburyport		E. Nielsen, v.o.
13,18-30	Petersham, 5 locations	24, 12 total	Billetsen, vie.
Palm Warbler:	W 15 1 P51	1 2	E.Nickerson, BBC (G.Gove)
3,12	Medford, Boxford	1, 2 P) 8 may (4/	27),5 v.o., BBC (J.Barton)
15-30,29	Mr. Auburn, Cambridge (r.	r.) o max.	
Black-and-white 22,29	Ipswich, Halifax	1, 2	J.MacDougall, K.Holmes
30	Saugus, Brookline	1, 1 m.	F.Bouchard, H.Wiggin
			P. William
Prothonotary Wa 26		1 m.	R.Maker
Prothonotary Wa	rbler: S.Dartmouth (LCES)		
Prothonotary Wa 26	rbler: S.Dartmouth (LCES)	1 m. 6 max. (4/21)	R.Maker
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager	rbler: S.Dartmouth (LCES) thrush: Boxford :	6 max. (4/21)	v.o.
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard		
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak:	6 max. (4/21) 1 m.	v.o.
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard	6 max. (4/21)	v.o. V.Laux L.Pivacek, E.Woolf
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak:	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset	6 max. (4/21) 1 m. 1, 1	v.o. V.Laux
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover	6 max. (4/21) 1 m.	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp#
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak:	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover	6 max. (4/21) 1 m. 1, 1	v.o. V.Laux L.Pivacek, E.Woolf
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting:	rbler: S.Dartmouth (LCES) thrush: Boxford: Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover	6 max. (4/21) 1 m. 1, 1 1, 1 2	v.o. V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23	rbler: S.Dartmouth (LCES) thrush: Boxford: Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2	V.C. V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2	v.o. V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S	rbler: S.Dartmouth (LCES) thrush: Boxford: Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow:	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total	V.C. V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o.
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w:	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w:	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 2 1 m., 3 total 5, 1	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow:	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27)	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow:	rbler: S.Dartmouth (LCES) thrush: Boxford: Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27)	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen
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Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow: 11,24 Savannah Sparro 20-30,27	rbler: S.Dartmouth (LCES) thrush: Boxford : Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury S.Natick, Essex w: Plum Island, Ipswich	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27) 1, 1 m.	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry
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Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow: 11,24 Savannah Sparro 20-30,27 Sharp-tailed Sp 30	rbler: S.Dartmouth (LCES) thrush: Boxford  Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury S.Natick, Essex w: Plum Island, Ipswich arrow: S.Dartmouth	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27) 1, 1 m. 1, 1	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry P.Hallowell, J.MacDougall v.o., J.Berry
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow: 11,24 Savannah Sparro 20-30,27 Sharp-tailed Sp 30 Seaside Sparrow	rbler: S.Dartmouth (LCES) thrush: Boxford  Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury S.Natick, Essex w: Plum Island, Ipswich earrow: S.Dartmouth	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27) 1, 1 m. 1, 1 10 max., 10 2	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry P.Hallowell, J.MacDougall v.o., J.Berry
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow: 11,24 Savannah Sparro 20-30,27 Sharp-tailed Sp 30 Seaside Sparrow 30	rbler: S.Dartmouth (LCES) thrush: Boxford  Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury S.Natick, Essex w: Plum Island, Ipswich arrow: S.Dartmouth	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27) 1, 1 m. 1, 1 10 max., 10	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry P.Hallowell, J.MacDougall v.o., J.Berry LCES (R.Marshall) LCES (R.Marshall)
Prothonotary Wa 26 Louisiana Water 12-30 Scarlet Tanager 30 Rose-breasted G 4,25 Blue Grosbeak: 23,28 Indigo Bunting: 23 Rufous-sided To 1,4 20,21-30 American Tree S 6,20 Chipping Sparro 9,12 15-30,27 Field Sparrow: 13,26 Vesper Sparrow: 11,24 Savannah Sparro 20-30,27 Sharp-tailed Sp 30 Seaside Sparrow	rbler: S.Dartmouth (LCES) thrush: Boxford  Martha's Vineyard rosbeak: Nahant, Cohasset Chatham, Hanover Chatham whee: Brookline, Nahant Belmont, Mount Auburn parrow: Plum Island, Ipswich w: Concord, Hopkinton Mt. Auburn, Petersham Lexington, W.Newbury S.Natick, Essex w: Plum Island, Ipswich earrow: S.Dartmouth	6 max. (4/21) 1 m. 1, 1 1, 1 2 1 m., 2 1 m., 3 total 5, 1 2, 2 8 max. (4/27) 1, 1 m. 1, 1 10 max., 10 2	V.Laux L.Pivacek, E.Woolf W.Bailey, W.Kemp# W.Bailey B.Rielly#, L.Pivacek L.Taylor, v.o. BBC (J.Nove), J.Berry R.Forster, J.Gordon 30 v.o., E.Nielsen BBC (S.Sanders), J.Berry P.Hallowell, J.MacDougall v.o., J.Berry LCES (R.Marshall)

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1986
Swamp Sparrow:			
4,21	Nahant, Lakeville	1, 50+	L.Pivacek, K.Holmes
White-crowned S	parrow:		
6-30	Ipswich	1 m.	J.Berry
Dark-eyed Junco	:		
27,30	Petersham, Ipswich	18, 2	E.Nielsen, J.Berry
Snow Bunting:			
5	Halifax	100+	K.Holmes
Red-winged Blac	kbird:		
5	W.Bridgewater	1200+	K.Griffis#
Rusty Blackbird	:		
5	W.Bridgewater, Hamilton	10+, 60	F.Bouchard#, J.Berry
14	Wayland, E.Middleboro	8, 20	G.Gove, K.Anderson
15,21	Provincetown, Wayland	5, 40	B.Nikula, R.Forster
Boat-tailed Gra	ckle:		
24	Newbury (Plumbush)	2 f.	R.Forster#
Purple Finch:			
6-27,6-21	Boxford, Plum Island	2 max., 3 max.	v.o.
13,27	Westport, Petersham	2, 4	H.C.Floyd, E.Nielsen
Common Redpol1:			
2	Millis	1	B.Cassie
Pine Siskin:			
thr.	E.Middleboro, Middleboro	3 pr., 15max. (	(4/28) K.Anderson, D.Briggs
27	Brookline	3	H.Wiggin
Evening Grosbeal	k:		110 19 10 4 10 <del>1</del> 10 4 0)
thr.	Middleboro	15-25	D.Briggs
27	Petersham, Boxford	23, 2	E.Nielsen, L.Robinson

## CORRIGENDUM - JANUARY 1986 Field Records

Yellow-throated Warbler:			
from Dec-2	Harwich	1	R.Comeau#
should read			
thr. 20 (from Dec	.) Harwich	1	R.Comeau#

## LIST OF ABBREVIATIONS

ad.	adult	F.M.	Fowl Meadow, Milton
b.	banded	H.P.	Halibut Point, Rockport
br.	breeding	I.	Island
dk.	dark (phase)	M.V.	Martha's Vineyard
f.	female	Mt.A.	Mt. Auburn Cemetery, Cambridge
imm.	immature	Nant.	Nantucket
ind.	individuals	Newbypt	Newburyport
loc.	location	P.I.	Plum Island
lt.	light (phase)	P'town	Provincetown
m.	male	R.P.	Race Point, Provincetown
max.	maximum	S.N.	Sandy Neck, Barnstable
migr.	migrating	Stellw.	Stellwagen (Bank)
ph.	photographed	BBC	Brookline Bird Club
pl.	plumage	BOEM	Bird Observer of Eastern Massachusetts
pr.	pair	CCBC	Cape Cod Bird Club
S	summer (1S = first summer)	DFWS	Drumlin Farm Wildlife Sanctuary
thr.	throughout	DWWS	Daniel Webster Wildlife Sanctuary
V.O.	various observers	FCBC	Felix Cutler Bird Club
W	winter (2W = second winter)	GMNWR	Great Meadows National Wildlife Refuge
w/	with	IRWS	Ipswich River Wildlife Sanctuary
yg.	young	LCES	Lloyd Center for Environmental Studies
#	additional observers	MAS	Massachusetts Audubon Society
A.A.	Arnold Arboretum	MBO	Manomet Bird Observatory
A.P.	Andrews Point, Rockport	MNWS	Marblehead Neck Wildlife Sanctuary
B.R	Bass Rocks, Gloucester	NEHW	New England Hawk Watch
Buzz.	Buzzards (Bay)	ONWR	Oxbow National Wildlife Refuge
C.	Cape as in Cape Cod	PRNWR	Parker River National Wildlife Refuge
Cambr.	Res. Cambridge Reservoir	SRV	Sudbury River Valley
E.P.	Eastern Point, Gloucester	SSBC	South Shore Bird Club
F.E. F.H.	First Encounter Beach, Eastham Fort Hill, Eastham	WBWS	Wellfleet Bay Wildlife Sanctuary