

Black Vulture Photo by A. H. Morgan Courtesy of MAS

Field Records April 1985

by George w. Gove, Robert H. Stymeist, Lee E. Taylor

April showers were not in evidence this month. Only 1.62 inches of rain were recorded, 2.11 inches less than the normal. This was the least amount of rain for April since 1.24 inches in 1966, in fact April 1985 ranked ninth driest in 115 years of official record. Total precipitation for the year to date now stands at just 6.84 inches, a new record low for this period. Snowfall totaled 2.0 inches, 1.1 inches less than normal, and all of this fell on one date, April 8. The season total now stands at 26.6 inches, a full 15.0 inches less than average.

The temperature averaged 49.3° , 0.6° above normal. Highest was 84° on April 30. The low was 26° on April 10, which was the date of the last freeze in the Boston area two days later than the average. At inland locations the last freeze may occur as much as a month later in some areas.

R.H.S.

LOONS THROUGH HERONS

The Western Grebe, first noted on March 24, could still be found at Gooseberry Neck South Dartmouth at 11:15 A.M. on April 6, where it was watched by many observers as it fed in a very heavy and choppy sea. During the afternoon of April 6, the bird was picked up dead and the specimen was brought to the Lloyd Center for Environmental Studies where a study skin was prepared, providing the official documentation of a Western Grebe in Massachusetts. Red-necked Grebes were still around in fair numbers off Dennis early in the month and Pied-billed Grebes were noted in eight different locations.

Double-crested Cormorants were moving early with the best flights from mid-month on at both coastal and inland locations. Great Cormorants were noted most of the month, but with far fewer adults reported by month's end.

Herons are always a big attraction during April with increasing numbers noted as the month goes on. No unusual species like last year's White-faced Ibis this year, but a Least Bittern on April 28 was a little on the early side. Displaying American Bitterns were observed at Belle Isle, East Boston, where a Tricolored Heron was seen by many on April 20. The only other Tricolored reported was of a dead bird picked up on Nantucket. Five adult Little Blue Herons were tallied and an adult Yellow-crowned Night-Heron was found on two occasions in Marshfield.

R.H.S.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Red-throated L	oon:		160
14,30	P.I., Falmouth	11, 10	BBC, P.Trimble
Common Loon:			
21,28	Braintree, Lakeville	1, 3	G.d'Entremont, W.Petersen#
Pied-billed Gr	ebe:		
thr.	8 locations	9 birds	v.o.
Horned Grebe:			
6:14,20	Squantum; Lakeville,	Scituate 1; 1, 12	J.Cumming; W.Petersen
Red-necked Gre	be:		
2,4	N.Scituate, Dennis	6, 22	R.Titus, B.Nikula
13,20	Nantucket, Scituate	1, 4	A.Williams, W.Petersen#
Western Grebe:	The state of the s		
6(A.M.)	S.Dartmouth 1	(alive) R.Stymeist	,J.Heywood, C.Floyd, T.Martin
6(P.M.)	S.Dartmouth	1 (dead) R.Mar	shall, R. Maker, (Lloyd Center)

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Northern Ganne	et:		
6,7	Rockport, P.I.	15-20, 30+	D.Briggs#, P.Roberts
13,14	Nahant, Barnstable (SN)	1, 150	J.Cumming, P.Trimble
Great Cormoral		2.50	
6,21;20	N.Scituate; Newbypt	80, 10; 20	R.Abrams, G.d'Entremont; BBC
Double-crested		00, 10, 20	
5,7	Lakeville, P.I. area	1, 40	W.Petersen, BBC
13,19	Wachusett Reservoir, Milli		M.Lynch#, B.Cassie
			R.Stymeist, K.Holmes
27	Mt.A., Middleboro	44, 60	P.Roberts#, G.d'Entremont#
28	Mt. Wachusett, Blue Hills	120, 150+	1. Roberts", G.d Entremont
American Bitte			K.Norris, C.Jackson
1,13	E.Boston (Belle Isle)	1, 2 (display)	
20,21,26	P.I.	1, 1, 1	R.Forster, S.Bolton#, J.Grugan
21	Lancaster, W.Newbury	2, 1	S.Carroll#, J.Berry
Least Bittern:			teritore delivere co
28	Mashpee	1	P.Trimble
Great Blue Her	con:		
thr.	Saugus, P.I. max. 4	(4/12), max. 9	9 (4/14) J.Berry,J.Nove# + v.o.
14,20	S.Hanson, Boxford	5, 7	W.Petersen, BBC (G.Gove)
	Other reports of 1-2 indiv		ny locations.
Great Egret:			**
6	E.Boston, Westport	2, 2	J.Cumming, R.Stymeist#
7,11	Manchester, M.V.	1, 2	J.Berry, Y.Laux
13,15	P.I., E.Orleans	1, 1	H.Weissberg#, D.Williams
			G.d'Entremont#, M.Lynch#
21	N.Scituate, Ipswich	1, 1	G.d Encremones, M. Lynchs
Snowy Egret:			D Class file V Laur
1	Marshfield, M.V.	1, 1	D.Clapp, fide V.Laux
2,3	Cohasset, Squantum	1, 1	R.Titus, D.Brown
6	Ipswich, Squantum	7, 20	I.Giriunas#, R.Abrams
6	E.Boston, Revere	5, 8	J.Cumming
27	Ipswich	22	A.Bennett
Little Blue He	eron:		
13,15	Nantucket, Newbypt	1 ad., 1 ad.	A.Williams, W.Petersen
20,22	Ipswich	1 ad.	R.Forster, R.Alexander
20,27	S.Duxbury, Scituate	1 ad., 1 ad.	W.Petersen, P.Trimble
Tricolored Her			
13	Nantucket	1 (dead)	A.Williams
20	E.Boston (Belle Isle)	1	D.Desmond# + v.o.
Cattle Egret:	2.Doscon (Belle 1310)	•	
7,14	Marshfield, Essex	2, 2	M. + B.Litchfield, I.Giriunas#
			G.d'Entremont#, W.Petersen
19,20	Squantum, Rockland	1, 2	G.d Entremonter, w.recersen
Green-backed I			D Down 14- D Stomedat# 1
19,20-30	WBWS, Mt.A.	1, 2-5	D.Reynolds, R.Stymeist# + v.o.
23,27	Norwell, Middleboro	1, 1	B.Litchfield, K.Holmes
28	Belmont, M.V.	1, 1	L.Taylor, V.Laux
Black-crowned	Night-Heron:		
1,7,14	E.Boston (Belle Isle)	17, 10, 26	K.Norris, J.Cumming + v.o.
9,22	Milton, P'town	9, 9	O.Kerr#, K.Holmes
19-30	Brookline (Halls Pond)	max. 8 (4/26)	R.Stymiest + v.o.
21-30	Mt.A.	4-6	v.o.
Yellow-crowned			
8,13	Marshfield	1 ad.	D.Clapp
Glossy Ibis:			
thr.	Ipswich, Essex	max. 36 (4/6)	I.Giriunas# + v.o.
7	P.I., Squantum, GMNWR		1.Lynch#, R.Abrams, A.Correnty
6			
13,27	Nantucket, S.Dartmouth	12, 7	J.Riccio, R.Maker

WATERFOWL

Snow Geese were moving north with a peak number of 425 at Plum Island on April 14, a peak of 400 Snow Geese was found at Plum Island on the same date last year. Numbers of Brant were present all month in the Squantum and Duxbury areas with lesser concentrations in the Newburyport area. Migrant waterfowl included increasing numbers of Wood Duck, Green-winged and Blue-winged teal and late reports of Redhead, Ring-necked Duck and both species of scaup. Special waterfowl included four Eurasian Wigeon and four Harlequin Duck; and as many as three Barrow's Goldeneye continued in Newburyport Harbor until midmonth. On the night of April 29, Oldsquaw were heard ("ow owdle-ow") calling as they flew over Concord.

R.H.S.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
22 SCIENCE	DOMITOR	NOTIBER	
Mute Swan:	S.Hanson, Halifax	2, 1	W.Petersen
Snow Goose:			
1-24	P.INewbypt	max. 425 (4/14)	P.W.Smith# + v.o.
20,21	Plymouth Beach, Lancaster	1 ad., 2	S.Dolder#, M.Lynch#
"Blue Goose":			I.Giriunas#
14	P.I.	l ad.	1.GIFIUNAS#
Brant: thr.	Courantum Wallagton	max. 1000 (4/7)	R.Abrams + v.o.
thr.	Squantum-Wollaston P.INewbypt	max. 120 (4/20)	G.Gove# + v.o.
14	Revere, Plymouth	300, 420	J.Cumming, L.Robinson
20	Duxbury, Wellfleet	1000+, 472	W.Petersen#, M.Lynch#
Canada Goose:		******	Description of the State of the
22	S.Dartmouth	4 goslings	R.Maker#
Wood Duck:			
thr.,2	Dedham, Milford	2-8, 3	J.Marshall, R.Hildreth
6,11	Concord, Carver	25+, 6	M.Lynch#, D.Briggs
13,15,21	Lakeville, Wayland, Norwell	6, 8, 6	SSBC, BBC, M.Litchfield
0	Other reports of 1-4 ind	ividuals from a w	ide variety of areas.
Green-winged Te		7 70	K.Norris, R.Forster
1,6 7,13	E.Boston, SRV P.I., E.Orleans	7, 78 125+, 55	M.Lynch#, A.Williams
20,28	P.I./Ipswich, S.Monomoy	285, 40	R.Forster, B.Nikula
"Common Teal":	1.1.7 Ipswren, billohomoy	205, 40	,
14-20	P.I.	1 m.	P.W.Smith# + v.o.
Mallard:			
28	Saugus	5 (3 yg)	C.Jackson
Northern Pintai	11:		en was a second of the second
thr.			5+ (4/6) v.o., S.Carroll#+v.o.
28	S.Monomoy	10+	B.Nikula + v.o.
Blue-winged Tea		17 ((1)()	J.Nove# + v.o.
6-30	P.I.	max. 17 (4/14)	D.Briggs#, R.Forster
11,13 Northern Shovel	Middleboro, GMNWR	14, 12	b.bliggs", K.Polstel
thr.	P.I.	max. 15 (4/20)	R.Forster + v.o.
6	Wayland, Rowley, Plymouth		Forster, J.Berry, W.Petersen
17,28	P'town, S.Monomoy	1, 10+	P.Trimble, B.Nikula
Gadwall:			
thr.	P.I.	max. 28 (4/13)	H.Weissberg# + v.o.
24;28	Ipswich; M.V., S. Monomoy	36; 10, 46 R.F	Forster; V.Laux, B.Nikula
Eurasian Wigeor			
6,11	Plymouth, Chilmark	1, 3	W.Petersen#, V.Laux#
American Wigeor		11 6	P. Titus P. Forston
2,5	N. Scituate, Wayland	11, 5	R.Titus, R.Forster R.Forster, B.Nikula
13,28	GMNWR, S.Monomoy Other reports of 1-4 indiv	19, 6	
Redhead:	other reports of 1 4 mag	raddid from mony	
6	Plymouth	1	W.Petersen
Ring-necked Duc			
6	W.Peabody, Concord	20, 20+	G.d'Entremont, S.Carroll#
13,14	Lakeville, Petersham	24, 27	J.Flaherty#, M.Lynch#
Greater Scaup:			
7	Newbypt, Braintree	50, 40	BBC, R.Abrams
14+28,21	Lakeville, Newbypt	20 + 2, 10	W.Petersen#, M.Lynch#
Lesser Scaup: 2,6	Scituate, Plymouth	1 10	D.Evered. W.Petersen#
6,13	Milton, Lakeville	1, 18 6, 40	R.Abrams, SSBC
Common Eider:	mirton, bakeville	0, 40	Kindiama, bobo
6	Winthrop	35	J.Cumming
Harlequin Duck:			
2-21	N.Scituate	4 (3 f., 1 m.)	v.o.
Oldsquaw:			
thr.	Newbypt	max. 500+ (4/7)	
29	Concord	flying over call	ing at night H.C.Floyd
Black Scoter:	Nontroller (7 B. 13	100	n 1-1
16 Surf Scoter:	Nantucket (Low Beach)	600	E.Andrews
21	N.Scituate	35	G.d'Entremont#
White-winged Sc		33	G. d Entremonts
14,20,21	Nahant, P.I., N. Scituate 10	0+, 450, 50 T.C	umming, R. Forster, R. Campbell#
Common Goldeney		,,	
7	Newbypt	100+	V.Hilbee#

SPECIES/DATE	LOCATION	NUMBERS	OBSERVERS APRIL 1985
Barrow's Golde	eneye:		
7-15	Newbypt	1-3	V.O.
Bufflehead:	CS04-7058		
20,28	Nantucket, S.Monomoy	18, 100	E.Andrews, B.Nikula
Hooded Mergans	er:	- N - 258	
3,10	Milton, Halifax	4, 2	O.Kerr, K.Anderson
11-14	Cambridge (Mt.A.)	pr.	J.Paputseanos + v.o.
Common Mergans	er:		
20,21	Eastham, Quincy	2, 5	M.Lynch#, G.d'Entremont
Red-breasted M	erganser:	T-X	
20,27	Chatham, off P.I.	30+, 200+	M.Lynch#, J.Berry
Ruddy Duck:			
thr.,14	P.I., Braintree	max. 4 (4/27), 2	v.o., R.Abrams
28	S.Monomoy	10	B.Nikula

RAPTORS

A <u>Black Vulture</u> was observed flying over Essex on April 24. The observer noticed "the distinctive shape, the obvious white patches of the wing tips, and the short tail was well seen. The pale whitish legs were obvious as a V against the tail and extended almost to the tip of the tail. The bird soared in tight circles - Broad-winged (Hawk) fashion - and gradually gained height as it slowly drifted northward. The wings were held in a slight dihedral and only once did it flap - two flaps - in distinctive Black Vulture manner. The bird was in sight for three to four minutes, originally at a distance of about 200 yards."

On the more routine raptor migration, Turkey Vultures were reported from many locations with no large numbers tallied. Ospreys were back on the traditional nesting sites on Martha's Vineyard where twenty-seven pairs were on their nests before the end of the month. Ospreys were also nesting at Lakeville and in their stronghold in the Westport area. Sharp-shinned Hawks were moving along our coast on April 20-21, when the best numbers were recorded. Three Cooper's Hawk and nine Northern Goshawks were also noted. Red-shouldered Hawks were noted on territory in Boxford, Ashby, E.Middleboro, and Petersham, most of these areas nesting locations of recent years. R.H.S.

Black Vulture:

Black Vultu	re:		
24	Essex	1	R.Forster
Turkey Vult	ire:		
4;6	S.Dartmouth; Ipswich, Wayla	and 2; 1, 1	R.Maker#; I.Giriunas, R.Forster
7,9	Petersham, Littleton	1, 1	S.Sweet, J.Marshall
21,23	Mt. Watatic, Leominster	7, 7	R.Stymeist#, J.Baird
	Other reports of 1-4 indi	viduals after	
Osprey:			S / E - 5(8)
thr.	Lakeville	max. 4, 1 p	r. nesting D.Briggs# + v.o.
thr.	M.V. 27 pa	irs on nests 1	by end of month L.Laux#
thr.	Westport	max. 40 (4/6	6) R.Stymeist# + v.o.
16,21	Mt. Wachusett, Mt. Watati		T.Lipsky, R.Stymeist#
	Other reports of 1-2 indi	viduals from	a wide area.
Northern Han			
thr.	P.I. area	max. 5 (4/7)	P.Roberts# + v.o.
1,17,21	W.Roxbury, Mt.A., Lincoln	1, 1, 1	M.Murphy#,S.Perkins#,J.Carter
20	Truro (Pilgrim Heights)	11	P.Trull#
	Other single individuals	from four other	er locations.
Sharp-shinne			
6,7	Uxbridge, P.I.	1, 4	R.Hildreth, P.Roberts
16,20	Mt. Wachusett, Mt.A.	8, 1	T.Lipsky, J.Clancy#
20	Scituate, Truro, P.I.	16, 11, 18	W.Petersen#, P.Trull#, R.Forster
21	Mt. Watatic	17	R.Stymeist#
27,28	Ipswich, Mt. Wachusett	4-5, 29	BBC, P.Roberts
Cooper's Hav	rk:		
20,21	Truro, Mt. Watatic	1, 1	D.Arvidson#, R.Stymeist#
28	Quincy (Buck's Hill)	1	G.d'Entremont#
Northern Gos	shawk:		
5,6	Lakeville, GMNWR	1, 1 ad.	W.Petersen, R.Forster
18,20	Truro, Holliston	1, 1	P.Trull#, R.Hildreth
21,22	Mt. Watatic, Halifax	1, 1	S.Perkins#, W.Petersen
28	Holliston, Mt. Wachusett	2, 1	R.Hildreth, P.Roberts#
Red-shoulder	ed Hawk:		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
thr.,7	E.Middleboro, Petersham	pr., 2	K.Anderson, E.Nielsen
7-31	Boxford (State Forest)	pr.	A.Bennett + v.o.
20-21	Mt. Watatic	pr.	M.McClellan# + v.o.
Broad-winged	Hawk:	- N. 70.72	
7,19	Acton, Milton	1, 1	E. Nielsen, W. Petersen#
1012 F 1012 F 101	TUSKUSHINE COMMERCIANO		

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Broad-winged H	lawk (cont.):		
16,28	Mt. Wachusett	2, 170	T.Lipsky, BBC
21,28	Mt. Watatic, Quincy	75, 11	R.Stymeist#, G.d'Entremont#
28	Reports of migrants from	many locations.	
Red-tailed Haw	k:		
5;21,22	Bridgewater; Belmont, Newby	ypt nesting pairs	W.Petersen; R.Stymeist
13,28	Canton, M.V.	5, 13	K.Anderson, V.Laux
Rough-legged H	lawk:		
27	Wayland	1	SSBC (R.Walton)
American Kestr	el:		
7,20	P.I.	38, 44	P.Roberts#, R.Forster
13,20	Middleboro, N.Scituate	12, 47	SSBC, W.Petersen#
Merlin:			
6,20	P.I.	1, 2	E.Nielsen, R.Forster
13,28	Nantucket, M.V.	1, 3	A.Williams, V.Laux
Peregrine Falc	on:		
6,7	Boxford, Wellesley	2, 1 m.	G.d'Entremont#, L.Robinson
7,24,29	N.Monomoy	1, 2, 2	R.Humphrey# + v.o.
9,13	E.Middleboro, IRWS	1, 1	K.Anderson, G.d'Entremont#
20	S.Duxbury	1	W.Petersen
23,27	Nantucket, Ipswich	1, 1-2	E.Andrews, BBC
28	S.Monomoy	1 ad.	B.Nikula

RAILS THROUGH ALCIDS

Early arriving Lesser Golden-Plovers are becoming the norm in recent years, so the two at Monomoy produced no raised eyebrows as they did formerly. Excellent counts of Piping Plover and Killdeer were made at Monomoy and Concord respectively. Otherwise, shorebird counts were about as expected. The turnstones in N.Scituate were overwinterers, and the Red Knot in Plymouth probably falls in the same category. Both Semipalmated and White-rumped sandpipers at Monomoy were unusual early arrivals. The Pectoral Sandpiper flight was poor by recent standards, but the Dunlin in Concord was both early and unusual in an inland site in spring. A Long-billed Dowitcher in breeding plumage adds to the growing number of spring reports. Common Snipe numbers were modest due to lack of rain-flooded fields where they concentrate.

Noteworthy were the scanty reports of Bonaparte's Gull, and \underline{no} Little Gull was seen, very unusual for April. For the fifth consecutive month \underline{Mew} \underline{Gull} was reported. All sightings of this difficult-to-identify species (see Eirik Blom. \underline{BOEM} 13, April 1985: 78) should be accompanied with a detailed description. A few "white-winged" gulls lingered as expected. Small numbers of Caspian Tern passed by the coast during the expected time period, and other terns arrived at nesting areas late in the month. A report of Common Murre in Scituate was accompanied by details.

Clapper Rail	:		
20	E.Boston	1 (heard)	J.Cumming
Virginia Rai	1:		
4-18	GMNWR	max. 5 (4/18)	v.o.
5,18	Lancaster, Wayland	1, 1	M.Lynch#, R.Forster
20,28	Belmont, Saugus	1, 1	L. Taylor, BBC
27,28	Lynnfield, P.I.	4, 12	A.Bennett
Sora:			
7,27	P.I., Lakeville	1, 2	D.Briggs, K.Holmes
29	Wayland	1	R.Forster
American Coo	t:		
6	Concord, Plymouth	6, 6	S.Carroll#, R.Titus
15,26	GMNWR	2, 3	V.Albee#, J.Cumming
Black-bellie	d Plover:		
14,20	P.I., Wellfleet	5, 51	BBC, M.Lynch#
24,28	N.Monomoy .	200, 400	B.Nikula
Lesser Golde	n-Plover:		
26	N.Monomoy	2	B.Nikula
Semipalmated	Plover:		
27,29	P.I., N.Monomoy	1, 1	W.Petersen, B.Nikula
Piping Plove	r:		
3,15,24	N.Monomoy	14, 35, 30	R.Humphrey#
7,13	Gloucester, Nantucket	1, 2	C.Leahy, A.Williams
25,27	New Seabury, Plymouth	3, 5	W.Strahle, B.Howell
Killdeer:			
5,6	Concord, E.Boston	37, 4	R.Forster, J.Cumming
14,21	P.I., Holliston	14, 4	BBC, R.Hildreth
American Oys	tercatcher:		
thr.	N.Monomoy	max. 18 (4/26)	B.Nikula#

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Greater Yellow	legs: Marshfield, Squantum	2, 17	D.Clapp, R.Abrams
1,7 14,21	P.I.	29, 30+	BBC, S.Carroll#
27	Newbypt	100	W.Petersen
Lesser Yellowl			
5,7	Bridgewater, W.Newbury	1, 12	W.Petersen, A.Bennett
13,27	S.Dartmouth, P.I.	6, 2	R.Maker, W.Petersen
Solitary Sandp			R.Forster, R.Campbell
6,19	Concord, Braintree	1, 1	I.Giriunas, R.Walton#
20,28	W.Newbury, Wayland	1, 1	
Spotted Sandpi 14,19	Squantum, Braintree	1, 1,	R.Abrams, R.Campbell
26,28	Mt.A., Halifax	1, 1	BBC, K.Holmes
Upland Sandpip		-,	
5,22	Newbypt, Concord	1, 3	D.Briggs#, J.Carter
25,27	Middleboro, Newbypt	2, 4	K.Holmes, v.o.
28	S.Natick	3	P.Hallowell
Ruddy Turnston			R.Abrams#
6	N.Scituate	5	K.ADI dala
Red Knot:	71	,	P.W.Smith#
20	Plymouth	1	
Sanderling: thr.	N.Monomoy	max. 600 (4/29)	B.Nikula
14,17	Plymouth, Chatham	30, 2	L.Robinson, P.Trimble
Semipalmated S	0. 10 -0. 0.	50, 2	
21-29	N.Monomoy	1	R.Humphrey#
Least Sandpipe			200 200 20
7,21	P.I.	1, 1	BBC, J.Cumming
29	N.Monomoy	12+	B.Nikula
White-rumped S			P. Nd level o
29	N.Monomoy	1	B.Nikula
Pectoral Sandp			R.Heil, G.d'Entremont#
6,14	P.I., Bridgewater	6, 4	R.Forster, W.Petersen#
20,27	Ipswich, Newbypt	5, 10	militaria, militaria
Purple Sandpip 27	P.I.	30	BBC
Dunlin:		30	
thr.	N.Monomoy	max. 800 (4/26,2	29) B.Nikula
6	Concord	1	R.Forster
7,24	Newbypt	35, 260	M.Lynch, R.Forster
dowitcher sp.:			
17,27	Chatham, Newbypt	1, 1	P.Trimble, W.Petersen#
Short-billed D		1 1	D U Smith#
13,20	Plymouth	1, 1	P.W.Smith# BBC; R.Humphrey
21;24,29 Long-billed Do	Newbypt; N.Monomoy	3; 1	bbc, Kindmphrey
24	Newbypt	1 (breeding pl.)	R.Forster
Common Snipe:	Newbype	r (breeding Fir)	
5,6	Concord	25, 35	G.Gove, R.Forster
7,8	Newbypt, Squantum	40, 16	A.Bennett, R.Abrams
14,20	W.Bridgewater, P.I.	15, 60	G.d'Entremont, R.Forster
29	Millis	24	B.Cassie
American Woodc			and the same training
1,5	E.Boston, Lancaster	1, 3	K.Norris, S.Carroll#
16,28	IRWS, Groveland	2, 4	BBC, W.Drummond
Laughing Gull:		2 20	P. Twinhle M. Lymch#
16,20	Osterville, Chatham	2, 30 25	P.Trimble, M.Lynch# K.Holmes
23 Common Black-h	P'town	23	K. HOIMES
8,13	N.Monomoy	l ad.	R.Humphrey
15,24,27			Petersen, R. Forster, W. Petersen
Bonaparte's Gu			
13,23	Newbypt, P'town	3, 10	BBC, K.Holmes
Mew Gull:			
7,12	Newbypt	l (details), l	C.Floyd, H.Wiggin + M.Argue
Iceland Gull:		27 22	
13	Newbypt, Nantucket	1, 3	G.d'Entremont#, A.Williams
26,27	M.V., Newbypt	1, 1	W.Manter, BBC
Glaucous Gull:	Wanda Walas W W	2. 1 1	W Strable: V I awall
9;14,26	Woods Hole; M.V.	2; 1, 1	W.Strahle; V.Laux#
Caspian Tern: 15,22	Manomet, P'town	1, 2	B.Harrington, K.Holmes
27	Plymouth, P.I.	4, 1	B.Howell, W.Petersen

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Roseate Tern:			
27	M.V.	"several"	V.Laux
Common Tern:			
26,30	M.V., Yarmouthport	20, 250	V.Laux, P.Trull
Common Murre:		VANCOS DE CONTRACTOS DE CONTRA	
2	N.Scituate	1 (details)	R.Titus
Black Guillem	ot:		
6,27	Magnolia, N.Scituate	1, 4	D.Briggs#, P.Trimble

OWLS THROUGH WOODPECKERS

A Great Horned Owl nest with one young bird was noted in the median strip of Route 495 in Milford and a Barred Owl was heard calling at noon in Ipswich. A pair of Long-eared Owls was nesting at Nantucket where two Northern Saw-whet Owls were also seen. The first reported date for Whip-poor-will was April 21 and that for Chimney Swift was April 7, a very early date for that species. A Ruby-throated Hummingbird was reported from Martha's Vineyard on April 28. Yellow-bellied Sapsuckers were much in evidence after April 17 and more than a thousand Flickers were estimated on the Cape on April 20.

G.W.G.

Common Barn-C	Dw1:		
thr.	M.V.	9 breeding pr.	fide V.Laux
Eastern Scree	ech-Owl:		
6,22	Norwell	1 (red ph.)	M. + B.Litchfield
21,27	Lakeville	12, 11	K.Holmes
Great Horned		,	
3,4	Milford	1 ad. + 1 yg	A.Williams
20,27	Brookline, Lakeville	1, 2	H.Wiggin, K.Holmes
Snowy Owl:	CONTRACTOR AND	•	
18	P.I.	1	M.McClellan
Barred Owl:			
13,28	Boxford	1-2	v.o.
5,16	Lakeville, Ipswich	pr., 1	W.Petersen, M.McClellan
Long-eared Ov		•	
thr.	Nantucket	nesting pr.	D.Holt
Short-eared (w1:		
21	N.Monomoy	1	P.Trull
Northern Saw-			0.007.000
thr.	Nantucket	2	D.Holt
Whip-poor-wil	1:		7.000 .00
21,29	Wayland, M.V.	1, 1	J.Hines, V.Laux
Chimney Swift			
7.9	P'town, Chatham	1, 1	H.Stabins#, D.Holt
19,28	Oxbow NWR, W.Newbury	2, 4	S.Carroll#, C.Floyd#
	Hummingbird:	15.5 982	
28	M.V.	1	V.Laux
Belted Kingfi	sher:		
5,6	Lancaster, Concord	2, 1	S.Carroll#, M.Lynch#
13,15	S.Dartmouth, Wayland	1, 2	R.Maker, BBC
27	Lakeville, Ipswich	2, 1	K.Holmes, BBC
Yellow-bellie			
7,17-23	P.I., Mt.A.	1, 4	M.Lynch#, v.o.
20	Wellfleet, P.I., MNWS	5, 3, 3	S.Carroll#, BBC, J.Smith
19-22	9 locations	1-2 (total 11)	V.O.
30	Nantucket	1 m.	E.Andrews
Hairy Woodped	ker:		
28	Boxford	3 pr.	J.Berry
Northern Flic	ker:		
thr.	Mt.A.	max. 16 (4/21)	fide R.Stymeist
19	MNWS, Squantum	40, 25	J.Smith, G.d'Entremont
20	Osterville to Truro	1000+	D.Arvidson#
21	P.I./Newbypt	25	BBC
Pileated Wood			
14,15-28	Barre, Boxford	1. 1	M.Lynch#, v.o.
21,22	Milton, Tyngsboro	1, 2	G.d'Entremont, K.Johnson

FLYCATCHERS THROUGH WARBLERS

Weather conditions favored migration for periods beginning on April 6, 15, 19-20 and 25. Little movement was apparent from the reports for the first two periods, but the period of April 19-20 produced good counts of Ruby-crowned Kinglet, Hermit Thrush, American Robin, Solitary Vireo, and Palm Warbler. The last few days of the month saw

significant first arrivals. Included were Eastern Kingbird, Wood Thrush, Warbling and Red-eyed vireos, and eleven species of warbler. Another seven varieties of warbler arrived earlier, for a monthly total of eighteen species. Observers at Provincetown had a particularly good day on April 25, with notably high counts of 40 Brown Creepers, 60 Ruby-crowned Kinglets, and 35 Palm Warblers. Other good counts included monthly totals of 38 Blue-gray Gnatcatchers and 167 Cedar Waxwings, and a single day count of 56 Pine Warblers at Wareham on the fifteenth. The gnatcatcher count ties for the second highest monthly total in the last eight years; the waxwing count constitutes the highest monthly total in the last eight years, and should be compared with the more typical value of 35.

Reports for the month included no astonishing passerine rarities. The single Nantucket Jackdaw continued to be reported. A shrike observed fleetingly on Martha's Vineyard on April 23 was not conclusively identified, but given the time of occurrence was most likely a Loggerhead. Uncommon southern warbler species reported included Yellow-throated and Worm-eating.

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Eastern Phoebe	e:		
thr.,6	Mt.A., Ipswich	max. 5 (4/17),	10 v.o., I.Giriunas#
7,15	Petersham, Wareham	12, 10	E.Nielsen, L.Robinson
20,30	Boxford, E.Middleboro	4, nest/eggs	BBC, K.Anderson
Eastern Kingb	ird:		110-100-100 1 × 120-1 × 100-1 × 100-1 × 100-1 × 100-1
	Lakeville, Middleboro	1, 1	W.Petersen#, K.Anderson#
Horned Lark:			The state of the s
22	P.I.	12	R.Alexander#
Purple Martin:			
10,19	Middleboro, M.V.	1, 1	J.Stiehl, W.Manter
21,24	P.I.	2, 4	BBC
Tree Swallow:			
5,7-27	Lancaster, P.I.	50+, max. 60 (4)	(7) M.Lynch#, v.o.
11,17	GMNWR, P'town	1000, 60	R.Forster, P.Trimble
20,27	S.Hanson, Holliston	600, 21	W.Petersen, R.Hildreth
Northern Rough	n-winged Swallow:	Notification to the second	
1,2	Stoughton, W.Peabody	2, 1	R.Titus, G.d'Entremont
15,19-30	Falmouth, MNWS	2, 2	P.Trimble, J.Smith
20-30,21	Mt.A., Scituate	1-2, 5	R.Stymeist#, R.Campbell#
Bank Swallow:	mermi, beredate	, .	, modification
19,23	Millis, Wayland	1, 5	B.Cassie, R.Forster
28,30		2, 24+	S.Perkins#, D.Briggs
	Quincy, Middleboro	2, 24+	b.retkins, b.briggs
Barn Swallow:	V II II I	1 2	U Mantar# D Faratar
4,11	M.V., Wayland	1, 2	W.Manter#, R.Forster
19,21	Middleboro, Manchester	14, 2	D.Briggs, I.Giriunas
Fish Crow:	10275 12 1 1020101010		
thr., 5	Mt.A., Middleboro	nesting pr., 2	v.o., W.Petersen
6,6-28	Milton, 10 locations	6, 18 total	R.Abrams, v.o.
Common Raven:		PROPERTY OF THE PROPERTY OF TH	
6,14	Braintree (Blue Hills) , F	etersham 1 (deta	ils), 1 R.Titus,S.Carroll#
20-21	Ashby (Mt. Watatic)	2	v.o.
Jackdaw:			
thr.	Nantucket	1 ,	E.Andrews#
Red-breasted N	uthatch:		
13,13-28	Ipswich, Boxford	2, max. 6 (4/28)	BBC, J.Berry#
14,15	Petersham, Mashpee	5, 3	M.Lynch#, P.Trimble
Brown Creeper:			
6-28,13	Boxford, Wayland max.	12 (4/12), nestbu	ilding pr. v.o., R.Forster
20,25	Mt. A., P'town	4, 40	BBC, P.Trull
Carolina Wren:		.,	52.525.094.802850
9,20	S.Dartmouth, Eastham	2, 1	R.Maker#, S.Carroll#
21,27	Marshfield, Holliston	1, 1	G.d'Entremont#, R.Hildreth
House Wren:	narshireta, norriston	1, 1	
	7.f===1= W=14.f==	1 2	P.Swift, K.Holmes
21	Lincoln, Halifax	1, 2	v.o., J.Smith
22-30, 30	9 locations, MNWS	10 total, 2	v.o., 5.5mitth
Winter Wren:			W 0
7-27,18-20	MNWS, Boxford	1, 2	V.O. I Marchall
19-21,20	Mt.A., Needham	1, 1	v.o., J.Marshall
21	Braintree, Marshfield	1, 1	G.d'Entremont#
26,27	Brookline, Chatham	1, 3	v.o., R.Clem
Marsh Wren:			0.00
15-30	Wayland	1	C.Turin#
Golden-crowned	Kinglet:		SE LES GERGERALS CONT.
7-21,12-24	P.I., Mt.A.	max. 6 (4/7), ma	x. 5 (4/12) v.o.
13-21,15	Boxford, Mashpee	max. 10 (4/13),	10 BBC, P.Trimble

SI ECIES/ DATE	BOOKITON	ACCOUNTS OF THE PARTY OF THE PA	
Ruby-crowned Ki	inglet:	8.78	to track the property
2-30,6-30	Mt.A., MNWS		65 (4/19) v.o., J.Smith#
20	P.I., Marshfield	40, 30	BBC, W.Petersen#
25	P'town	60	P.Trull
Blue-gray Gnato	atcher:		W W 63 - 11 - # I P
10-11,12	P.I., Cambridge	1, 1	M.McClellan#, J.Paputseanos
19-28,21-23	17 locations, Mt.A.	24 total, max. 1	V.O.
21-29,28	Wayland, Boxford	max. 8 (4/29), 3	R.Forster, J.Berry#
Eastern Bluebin			K.Anderson, R.Titus
2,6	E.Middleboro, Plymouth		P.Roberts, R.Stymeist#
12,13	Medford, Milton	4, 3	M.Lynch#, W.Petersen
14,15	Harwick, Newbypt	2 pr., 1	v.o., R.Hildreth
20,28	Boxford, Milford	1 m., 1 pr.	5.5
Hermit Thrush:	MATERIA D. T.	25 (//19), max	c. 4 (4/21) J.Smith, v.o.
6-20,7-27	MNWS, P.I.	max. 13 (4/21),	12 v.o., BBC
12-30,20	Mt.A., Boxford	max. 15 (
Wood Thrush: 26	Waltham	1	L.Taylor
		*	
American Robin	Petersham, Essex	175, 325	S.Carroll#, R.Forster
14,20 Gray Catbird:	receisitaii, basex	,	
20	Mt.A., Eastham	1, 2	BBC, M.Lynch#
Brown Thrasher			
from Mar7,1		1, 1	J.Smith, D.Lange
21-30	5 locations	9 total	v.o.
Water Pipit:			ALCOHOLOGICA CONTRACTOR
9,20	Concord, Ipswich	8, 14	R.Forster
21,27	P.I., Plymouth	2, 4	J.Cumming, B.Howell
Cedar Waxwing:			P. Francisco PPC
3,13	Lincoln, Boxford	65, 50	R.Forster, BBC
28,30	Middleboro, Mt.A.	50, 2	v.o., R.Stymeist
shrike sp.:			C Por Dovid
23	M.V.	1	G. Ben David
White-eyed Vir	eo:		M.McClellan
16	P.I.	1	M. NCCICITAN
Solitary Vireo	;	max. 5 (4/19), 5 sin	gles v.o.
19-30,20-30		max. 5 (4/19), 5 5211	J.Berry#
28	Boxford	5	0.0011).
Warbling Vireo			J.Paputseanos
30	Cambridge	1	
Red-eyed Vireo			H.Rich, v.o.
25,28	Chatham, Newbypt	1, 1	
Nashville Warb		1	R.Stymeist#
29-30 Northern Parul	Mt.A.	*	
	Ipswich, Middleboro	1, 1	BBC, D.Briggs
27,28 28,29-30	Bridgewater, Mt.A.	1, 1-2	K.Holmes, v.o.
Yellow Warbler		-, -	
26,28-29	Middleboro, 6 location	is 4, 12 total	D.Briggs, v.o.
Cape May Warbl			DESCRIPTION OF THE PROPERTY OF
28	Middleboro	1	D.Briggs
	Blue Warbler:		
23,30	S.Monomoy, Mt.A.	1 (dead), 1	R. Humphrey, R. Stymeist
Yellow-rumped			
5,19-30	Holliston, Mt.A.	3, max. 50 (4/2	8) R.Hildreth, v.o.
23,28	P'town, Wayland	75, 75	P.Trull#, R.Forster
28,29	Princeton, Brookline	40, 20	BBC, J.Paputseanos
	d Green Warbler:	2	T W
27,28-30	Dedham, Mt.A.	1, max. 3	J.Marshall, v.o.
28,30;28	Boxford; Princeton	5, 12; 3	J.Berry#; BBC
Yellow-throate	ed Warbler:	32	L.Robinson, J.Grugan
15,27	Wareham, Newbypt	1 m., 1	L.Robinson, J.Grugan
Pine Warbler:			L.Robinson, J.Smith#
6-15,6	Wareham, MNWS	max. 56 (4/15), 3	L.Robinson, S.Carroll#
7,13	Carver, Harvard	7, 3 max. 5 (4/19),	10 v.o., M.Lynch#
19-30,20	Mt.A., P'town	max. 5 (4/19),	10 v.o., n.zynen
Prairie Warble			G.d'Entremont
28	Quincy	2	ord and convite
Palm Warbler:			I.Giriunas, BBC
6,7	Ipswich, P.I.	1, 1	E.Nielsen, BBC
7,13-20	Petersham, Boxford	2, 13-25	, 20 v.o., M.Litchfield#
13-30,19	Mt.A., Braintree	max. 20 (4/13/)	W.Petersen#, R.Trull#
20,25	Marshfield, P'town	50, 35	00000000000000000000000000000000000000

Black-and-white Warbler: 13,25 P.I., P'town 2, 1 R.McHale, B.Nikula 26-30,28-30 12 locations, Mt.A. 24 total, max. 4 v.o. American Redstart: 26,30 Middleboro, Osterville 2, 2 D.Briggs, P.Trull Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger#	CIES/DATE LO	OCATION	NUMBER		OBSERVERS	APRIL 1985
26-30,28-30 12 locations, Mt.A. 24 total, max. 4 v.o. American Redstart: 26,30 Middleboro, Osterville 2, 2 D.Briggs, P.Trull Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger#	ck-and-white Wa	arbler:				
26-30,28-30 12 locations, Mt.A. 24 total, max. 4 v.o. American Redstart: 26,30 Middleboro, Osterville 2, 2 D.Briggs, P.Trull Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger#	,25 P.	I., P'town	2.	1	R McHale	R Nikula
American Redstart: 26,30 Middleboro, Osterville 2, 2 D.Briggs, P.Trull Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger# Ovenbird:	-30,28-30 12	locations, Mt.A.				Dinikula
Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger#				,		
Worm-eating Warbler: 30 Mt.A. 1 R.Hamburger#	,30 Mi	iddleboro, Osterville	2.	2	D. Briggs	P. Trull
Ovenbird:	n-eating Warble	er:			2,22,280,	
Ovenbird:	Mt	.A.	1		R. Hamburge	r#
20.00	mbird:					
29,30 E.Middleboro, MNWS 2, 1 K.Anderson, J.Smith	.30 E.	Middleboro, MNWS	2.	1	K Anderson	I Smith
Northern Waterthrush:					der Jon	, J. Gillach
27-30,28 Mt.A., Holliston 2, 2 v.o., R.Hildreth	-30,28 Mt	.A., Holliston	2.	2	V.O. R.Hi	ldreth
29,30 E.Middleboro, MNWS 3, 1 K.Anderson, J.Smith						
Louisiana Waterthrush:					A TIME CE DOM	, o.bmzen
12-30,14 Boxford, Petersham max. 6 (4/13), 2 v.o., M.Lynch#	-30,14 Bo	xford, Petersham	max.	6 (4/13), 2	v.o. M.Lv	nch#
15,18-30 M.V., 8 locations 1, 12 total V.Laux, v.o.	. 18-30 M.	V., 8 locations				
Common Yellowthroat:			,		······································	
28 S.Dartmouth 1 R.Maker	s.	Dartmouth	1		R.Maker	

INDIGO BUNTING THROUGH EVENING GROSBEAK

Only one Indigo Bunting was reported this April as compared with 51 birds last year during April. Likewise there were no reports of tanagers or Blue Grosbeak this year, whereas last year in April four Summer Tanagers and at least seven Blue Grosbeaks were tallied. This can simply be attributed to the lack of coastal storms that originate off the southern Mid-Atlantic coast and transport migrants crossing the Gulf of Mexico to our area weeks ahead of their normal arrival. Dickcissels were reported from Manchester and Orleans and the Lark Sparrow continued to be found in the Squantum area. Other sparrow reports included increasing numbers of Chipping, Field, Vesper, Swamp and Song sparrows and decreasing numbers of American Tree and Fox sparrows. Savannah Sparrows were found in excellent numbers at midmonth.

Female Red-winged Blackbirds were moving in all month, and it was an excellent flight year for Rusty Blackbirds especially so in the Sudbury River Valley, where their total probably exceeded 500 individuals for the month. A Yellow-headed Blackbird was found on Martha's Vineyard, and there were scattered reports of migrating Evening Grosbeaks during the month. A single Red Crossbill was noted. Pine Siskins were observed far inland, and breeding was suspected in the east Quabbin area. R.H.S.

Indigo Bunti	ng:		
18-24	Nantucket	1 m.	fide E.Andrews
Dickcissel:			
6	Manchester	1 (from Mar.)	I.Giriunas#
20	Orleans	1	M.Lynch
Rufous-sided	Towhee:		
7,21	MNWS, P.I.	3, 3	B.Hallett#, BBC
28	Milford, S.Dartmouth	4, 7	R.Hildreth, R.Maker
American Tre	e Sparrow:	Ç.	80
26	Waltham	3	L.Taylor
Chipping Spa	rrow:		
6,7	Mt.A., E.Middleboro	3, 1	A.Bennett, K.Anderson
21,27	SRV, Ipswich	12, 10	R.Forster, BBC
Field Sparro	w:		7.0
6	Mt.A., Oxbow NWR	5, 5	A.Bennett, S.Carroll#
19,28	Belmont, Milford	6, 8	L. Taylor, R. Hildreth
Vesper Sparre	ow:		
14,19	New Braintree, Concord	1, 2	M.Lynch#, J.Carter
21,29	Concord, Millis	1, 1	R.Forster, B.Cassie
Lark Sparrow	:		
3	Squantum	1	D.Brown
Savannah Span	rrow:		
6 .	Concord, Squantum	2, 2	S.Carroll#, J.Cumming
19,20	Squantum, Holliston	60, 21	G.d'Entremont, R. Hildreth
20,21	Newbypt/Ipswich, SRV	105, 185	R.Forster, R.Forster#
'Ipswich Span	rrow':		
13,20	Plymouth, Newbypt	1, 1	P.W.Smith#, R.Forster
Fox Sparrow:			
7+8,6+13	P.I., Oxbow NWR	2+1, 6+3	BBC, M.Lynch#
10,13	Ipswich, E.Sandwich	1, 1	J.Berry, P.Trimble
Song Sparrow:	I The state of the		
3,14	Cambridge, P.I.	20, 34	L.Robinson, BBC
Swamp Sparrow		177213F425R376	POSTAGO PARAMENTE POSTAS
8,13	P.I., Concord	1, 12	F.Bouchard, M.Lynch#
20	Holliston, Needham	4, 8	R.Hildreth, J.Marshall

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS APRIL 1985
Swamp Sparrow	(cont.):		
28	Saugus, Middleboro	5, 10	BBC, SSBC
White-throated	Sparrow:		
thr.	Mt.A.	max. 26 (4/29)	R.Stymeist# + v.o.
thr.	Ipswich	max. 8 (4/17)	J.Berry
20,28	Norwell, Lincoln	19 b., 25	M. + B.Litchfield, BBC
Dark-eyed June	:0:		
thr.	Mt.A.	max. 42 (4/16)	R.Stymeist# + v.o.
Lapland Longsp	our:		
20	P.I.	1 br. pl.	R.Forster
Snow Bunting:			
13-14	GMNWR	1	M.Baird, G.Gove
Red-winged Bla	ackbird:	*	
21,22	Lancaster, E.Middleboro	75+, 50 (all f.)	M.Lynch#, K.Anderson
Eastern Meadow			
13,17	Middleboro, Boxford	12, 3	SSBC, A.Bennett
Yellow-headed			
19-20	Chilmark	1 ad. m.	F.Miller
Rusty Blackbin	rd:		
1,2	Wayland, Sudbury	75, 35	R.Forster
5	Concord, Lancaster	25, 10+	R.Forster, M.Lynch#
11,15	GMNWR, Wayland	50+, 60	R.Forster, G.Gove
Northern Orio	le:		
26	Chatham, Middleboro	1, 2-3	H.Rich, D.Briggs
Purple Finch:			
15	Wayland	24	C.Turin#
Red Crossbill			
22	MNWS	1	J.Smith
Pine Siskin:			
7,11	Petersham	8, 15+	E.Nielsen, M.Lynch#
Evening Grosb	eak:	CONTRACTOR OF THE CONTRACTOR O	
6,13	Sudbury	4, 2	R.Forster
7,12	Petersham, Haverhill	15, 28	E. Nielsen, W. Drummond
19,21,23	Mt.A.	26, 2, 2	R.Stymeist#
19,21,27	Waltham, Braintree, Ipsw		Taylor, G. d'Entremont, J. Berry

LIST OF ABBREVIATIONS

ad.	adult	F.E.	First Encounter Beach, Eastham
alt.	alternate (plumage)	F.H.	Fort Hill, Eastham
b.	banded	F.M.	Fowl Meadow, Milton
br.	breeding	gr.	greater as in Gr. Boston area
dk.	dark (phase)	I.	Island
f.	female	M.V.	Martha's Vineyard
fl.	fledge	Mt.A.	Mt. Auburn Cemetery, Cambridge
imm.	immature	Nant.	Nantucket
ind.	individuals	Newbypt	Newburyport
loc.	locations	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)
N.S.E.W.		BBC	Brookline Bird Club
ph.	photographed	BOEM	Bird Observer of Eastern Massachusetts
p1.	plumage	CCBC	Cape Cod Bird Club
pr.	pair	DFWS	Drumlin Farm Wildlife Sanctuary
thr.	throughout	GMNWR	Great Meadows National Wildlife Refuge
V.O.	various observers	IRWS	Ipswich River Wildlife Sanctuary
W	winter (2W = second winter)	MAS	Massachusetts Audubon Society
w/	with	MBO	Manomet Bird Observatory
yg.	young	MNWS	Marblehead Neck Wildlife Sanctuary
#	additional observers	ONWR	Oxbow National Wildlife Refuge
A.A.	Arnold Arboretum	PRNWR	Parker River National Wildlife Refuge
A.P.	Andrews Point, Rockport	SRV	Sudbury River Valley
Buzz.	Buzzards (Bay)	SSBC	South Shore Bird Club
c.	Cape as in C.Cod or C.Ann	WBWS	Wellfleet Bay Wildlife Sanctuary
E.P.	Eastern Point, Gloucester		