



Field Records: April 1981

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

April 1981 was warm; the temperature averaged 51.7°, 3.1° above normal. This was the fourth warmest April in 111 years of record and the warmest since 1976. The highest temperature was 78° on the 18th and the lowest was 31° on the 16th. The last freeze of the season came on the 22nd at 32°, 14 days past the average date. April's warmth was primarily due to exceptional heat early in the month. The first 11 days, along with the last 3 days of March, made a two week period averaging 11° above normal.

Rain totaled 3.14 inches. The most in any 24 hour period was 0.85 inch on the 23rd-24th. No snow fell; this was the first snowless April since 1968. A thunderstorm on the 29th brought damaging winds to some local areas and a short period of heavy rain.

LOONS THROUGH HERONS

One hundred and twenty-five Common Loons were seen in Cape Cod Bay on the 18th, and a Red-throated Loon was noted at Plum Island on the 3rd. The usual concentration of Red-necked Grebes was present at Manomet, and many breeding-plumaged Horned Grebes were noted with 81 counted in the Boston Harbor area on the 5th. Great Cormorants were on the wane and Double-crested Cormorants were increasing; 250 were seen at Plum Island on the 19th. Great Blue Herons were relatively scarce, particularly along the coast. An active rookery, where 11 Great Blues were noted, was observed in Westboro. Sixteen Little Blue Herons were reported with 6 seen in Marshfield on the 27th. Single Cattle Egrets were reported from four locations and 8 Great Egrets were seen in Marshfield on the 26th. Snowy Egrets were observed in the Saugus-Revere marshes throughout the month with a maximum of 30 noted. Two individual Louisiana Herons were reported and Glossy Ibis were present all month in the Plum Island area. G.W.G.

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Common Loon:			
5,18	Nahant, Cape Cod Bay	6, <u>125</u>	TASL, B.Nikula
19,23,26	Wayland,Lakeville,E.Middleboro	2, 1, 2	R.Forster,W.Petersen,K.Anderson
23,25	Millis, Stellwagen Bank	1, 6	B.Cassie, W.Petersen
Red-throated Loon:			
3	P.I.	1	H.Ellis
Red-necked Grebe:			
5;12	Nahant, Quincy; N.Scituate	1, 2; 11	TASL; W.Petersen
8,18	Dennis	30+, 20	B.Nikula, C.Smith
14	Manomet	90	MBO staff
18,25	Nantucket Sound, M.V.	1, 6	R.Heil, V.Laux
Horned Grebe:			
3,4	P.I., Ipswich	55, 5 (br.pl.)	R.Heil, J.Berry
5	Boston Harbor	81	TASL
12,19	N.Scituate	15, 1	W.Petersen
Pied-billed Grebe:			
4-10,10	Worcester, S.Hanson	2, 1	L.Babbitt, W.Petersen
5,28	Quincy, P.I.	1, 1	TASL, BBC
Gannet:			
4	Ipswich	50+	J.Berry
18	C.Cod Bay, P.I., Nant.Sound	300, 30, 50+	B.Nikula,L.Jodrey#R.Heil
25,26	P'town, Stellw. B.	11, 100	M.Lynch#, W.Petersen#
26	N.Scituate	9	S.Higginbotham

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Great Cormorant:			
11;26	P.I.; Essex, N.Scituate	6; 260, 12	P.Campbell;J.Nove,W.Petersen#
Double-crested Cormorant:			
3,4	P.I., Squantum	3, 6	R.Heil,S.Higginbotham
11,12	Mt.Wachusett, Weymouth	7, 8	SSBC, BBC
18;19;23	P.I.; Norton; Millis	250; 62; 46	P.Roberts; B.Cassie
30	Marshfield	150	F.Bouchard
Great Blue Heron:			
3,4;5	P.I.; Boston Harbor, Rowley	7, 5; 7, 3	R.Heil,BBC;TASL, J.Berry
11,14	Mt.Wachusett, Sharon	1, 4	SSBC, D.Clapp
22,25	Lexington;Saugus,Westboro	2; 3, 11 (active nests)	C.Jackson,R.Stymeist#
26,27,28	Essex, Marshfield, P.I.	6, 1, 1	BBC, J.Clancy#, BBC
Green Heron:			
17,23	Cambridge, S.Peabody	1, 1	F.Bouchard, R.Heil
28,29,30	P.I.,Waltham,Littleton	1, 1, 1	BBC,L.Taylor,J.Baird
Little Blue Heron:			
3,4,5	Cohasset, P.I., E.Boston	1, 3, 1 ad.	W.Hanley, BBC, TASL
18;27,30	Manchester; Marshfield	1; 6, 3	BBC;J.Clancy#,M.Litchfield
25-27	Squantum	1 ad.	D.Brown#
Cattle Egret:			
3-4	W.Brookfield	1	R.Shepardson
26	Ipswich, M.V.	1, 1	L.Jodrey, V.Laux
29-30	Marshfield	1	v.o.
Great Egret			
1;11	Cohasset; Rowley, P.I.	1; 1, 1	W.Hanley; R.Heil#
12,26	Marshfield	1, 8	W.Petersen, SSBC
18,22	Nantucket, Duxbury	1, 1	R.Heil#
25,26	Squantum, N.Scituate	1, 1	D.Brown, W.Petersen#
Snowy Egret:			
thr.	Saugus-Revere	max. 30	J.Berry
3	Cohasset	3	W.Hanley
4	Revere, Rowley, P.I.	12, 10, 10	R.Heil,R.Alexander, BBC
5	Revere,E.Boston,Hingham,Quincy	3, 3, 2, 7	TASL
12	E.Boston, Weymouth	8, 9	S.Zendeh, BBC
18	Manchester, P.I.	1, 10	G.Hotz, L.Jodrey#
25;26	Squantum; Essex, Marshfield	7; 8, 14	S.Higginbotham; BBC,SSBC
30	Marshfield	23	M.Litchfield
Louisiana Heron:			
18,27	Nantucket, Marshfield	1, 1	R.Heil#, J.Clancy#
Black-crowned Night Heron:			
5	E.Boston	20	TASL
25,28	Saugus, Squantum	4, 7	C.Jackson,N.+O.Komar#
29;30	Cambridge,Belmont;Marshfield	4, 4	BBC,L.Taylor;F.Bouchard
American Bittern:			
10,27,28	P.I.	1, 1, 1	R.Forster,O.+N.Komar,BBC
Glossy Ibis:			
thr.	P.I.	max. 50	v.o.
12-30	Marshfield	max. 15	v.o.
11;12,23	E.Boston; Rowley	7; 42, 31	J.Barton;J.Berry,R.+D.Alexander
5-25	Squantum	max. 12	v.o.
16	Cambridge	17	R.Stymeist#
9,16	Bridgewater	10	S.Higginbotham
23,26	Nantucket, Essex	20, 77	J.Berthoud, BBC-J.Nove
29;30	Concord; Revere, Ipswich	9; 12, 20	R.Heil#; J.Berry, BBC

WATERFOWL

On Martha's Vineyard, 350 Mute Swans were noted on the 12th, and the Whistling Swan was seen through the 11th in Fitchburg. Up to 600 Brant were seen in several coastal locations with two dyed individuals in the flock at Plum Island.. Three "Blue" Geese were with the Snow Geese at Plum Island on the 12th, and the latter were present through the 20th with a maximum count of 550. Fresh water ducks were arriving throughout the month and a "Common" Teal was noted on Nantucket on the 19th. A female Wood Duck was on eggs in Middleboro on the 30th. A pair of Barrow's Goldeneye was last reported from Newburyport on the 3rd and two were reported from Quincy on the 5th. A pair of Harlequin Ducks was last seen on the 2nd in Rockport and three were present through the 17th in Manomet. Large numbers of scoters were reported from Martha's

Vineyard and Nantucket Sound with 6000 White-winged, 2000 Surf, and 8000 Black scoters. A Common Merganser was observed soaring and circling with three Broad-winged Hawks in Harvard. G.W.G.

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Mute Swan:			
4,18	Carver, Manchester	3, 2	SSBC, BBC
12	M.V.	<u>350</u>	V.Laux
<u>Whistling Swan:</u>			
thr. 11	Fitchburg	1	v.o.
Brant:			
6-19	P.I.	max. 430	v.o.
4-27	Squantum	max. 415	v.o.
18-26	Duxbury	max. 600	SSBC#
Snow Goose:			
3-20	P.I.-Newburyport	max. 550	v.o.
6	Worcester, Auburn, Sturbridge	85, 25, 90	J.Baird
4,11	Sudbury, Concord	170, 50+	R.Walton#
6	Worcester	30 flying over	L.Babbitt
"Blue" Goose:			
12	P.I.	3	G.Gove
Gadwall:			
thr.	P.I.	max. 12	v.o.
Pintail:			
1-18	P.I.	max. 14	v.o.
Green-winged Teal:			
thr.	P.I.	max. 450	v.o.
5	Boston Harbor	14	TASL
19	Wayland, Bolton	42, 7	R.Forster, S.Carroll#
9;12	Bridgewater	30, 65; 40	S.Higginbotham;W.Petersen#
Blue-winged Teal:			
9,19	Worcester, Bolton	4, 2	L.Babbitt, BBC
19,26	Wayland, Marshfield	10, 3	R.Forster, M.Litchfield
28	P.I.	8	BBC
"Common" Teal:			
19	Nantucket	1	C.Jackson
American Wigeon:			
4,18,28	Ipswich, Manchester, P.I.	3, 2, 3	J.Berry, G.Hotz, BBC
Northern Shoveler:			
thr.	P.I.	max. 5	v.o.
9,25	W.Bridgewater, M.V.	1 pr., 2	S.Higginbotham, V.Laux
Wood Duck:			
9,19	Bolton	2, 6	M.Lynch#, BBC
11,26	GMNWR, Harvard	5, 14	R.Stymeist#
30	E.Middleboro	f. on eggs	K.Anderson
Ring-necked Duck:			
4,11;12	P.I.; Braintree	1, 2; 4	BBC; S.Higginbotham
4,18,23	Carver, S.Hanson, Lakeville	27, 4, 4	SSBC, W.Petersen
Greater Scaup:			
4,5,12	Newbypt, Quincy, Braintree	50, 145, 15	BBC,TASL,S.Higginbotham
Common Goldeneye			
4	Carver	2	SSBC
Barrow's Goldeneye:			
3,5	Newbypt, Quincy	pr., 2	R.Heil, TASL
Bufflehead:			
4	Lakeville and Carver	24	SSBC
23,26	Lakeville, Squantum	60, 35	W.Petersen#
Oldsquaw:			
4,18	Newbypt, Nantucket Sound	50, 1000+	BBC, R.Heil
Harlequin Duck:			
2(last date)	Rockport	pr.	V.Albee
1-17	Manomet	3	MBO staff
Common Eider:			
5	Winthrop	490	TASL
25	P'town	3	M.Lynch#
White-winged Scoter:			
5	Boston Harbor	112	TASL
12,18	M.V., Nantucket Sound	<u>6000</u> , 600	V.Laux, R.Heil

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
White-winged Scoter, continued:			
25	P'town	40+	M.Lynch#
Surf Scoter:			
12	N.Scituate, M.V.	150, <u>2000</u>	W.Petersen#, V.Laux
25	P'town	76+	M.Lynch#
Black Scoter:			
12,18	M.V., Nantucket Sound	<u>8000</u> , 100	V.Laux, R.Heil
25	P.I., P'town	3, 9	BBC, M.Lynch#
Ruddy Duck:			
11-25	P.I.	max. 6	v.o.
Hooded Merganser:			
4,5	Carver, Quincy	3, 2	SSBC, TASL
Common Merganser:			
12,23	Braintree, Lakeville	3, 3	S.Higginbotham, W.Petersen
26	Harvard	1 f.	R.Stymeist#
	Seen circling and soaring with 3 Broad-winged Hawks.		
Red-breasted Merganser:			
4;5	Ipswich, Rowley; Boston Harbor	50, 22; 520	J.Berry; TASL
18	Nantucket	<u>1800</u>	R.Heil

RAPTORS

Turkey Vultures continue to increase in eastern Massachusetts with a total of 52 being reported including 7 and 8 in single day periods on the outer Cape Cod. The pair of Boxford Goshawks was observed on territory on the 18th and single individuals were seen in four other locations. Sharp-shinned Hawks were seen migrating in numbers from mid-month with 126 noted on Plum Island on the 26th. Six individual Cooper's Hawks were reported and Red-tails were seen migrating also with six in one hour in Millis. A pair was nesting in Marshfield. A total of 17 Red-shouldered Hawks were reported from 13 locations. The Broad-winged Hawk migration was apparently disappointing from a quantitative viewpoint, as it was last April. An adult Bald Eagle was seen in Quincy on the 5th and a total of 50 Northern Harriers were noted migrating late in the month with three adult males seen on the 19th and a high of 21 birds at Plum Island on the 26th. Ospreys were also seen migrating and a pair was observed at a nest in Lakeville. Three Peregrine Falcons were observed and a total of 48 Merlins was reported with a maximum of 14 seen at Plum Island on the 26th. One was observed harassing the Pectoral Sandpipers in Newburyport Harbor and another was seen on the 24th making a successful kill of a robin in the field across from the airport. A high of 110 kestrels was also seen at Plum Island on the 26th.

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Turkey Vulture:			
7	Wellesley	1	K.Winkler
8	Plymouth, Worcester, Newton	2, 2, 1	M.Weinstein, L.Babbitt, T.Flackett
11	Sudbury, P.I., Truro, Newbypt	2, 1, 2, 1	R.Forster#, BBC, B.Nikula, H.Wiggin#
12,13	Lynn, Quincy, Milton	1, 1, 1	R.Heil, R.Campbell, K.Anderson
16	Concord, Marshfield	1, 1	C.+K.Leahy, B.Litchfield
18	Boxford, Bridgewater, Medfield	1, 1, 1	L.Jodrey#, W.Petersen, B.Cassie
19	Hopkinton, Lexington	1, 1	D.White, J.Andrews
19	E.Middleboro, outer C.Cod	2, 8	K.Anderson, B.Nikula
20,22	Essex, Plymouth	1, 1	H.Wiggin#, R.Heil
20,22,27	Millis	4, 1, 1	B.Cassie
24;26	WBWS; P'town, E.Orleans	7; 1, 1	W.Bailey
26,28	Newbury, Braintree	2, 1	L.Jodrey#, O.+N.Komar#
Goshawk:			
18,19	Boxford	2 on territory	v.o.
8,11	Millis, P.I.	1, 1	B.Cassie, BBC
26,30	Harvard, Canton	1, 1	R.Stymeist#, R.Veit
Sharp-shinned Hawk:			
10;11	Melrose; P.I., Mt.Wachusett	1, 1, 1	C.Jackson; BBC, SSBC
18,19	P.I.	8 (3 ad.), 21	G.Gove, P.Roberts
18,19,26	Bridgewater; N.Scituate	2; 25(4 hrs), 24(4 hrs)	W.Petersen#
19	Mt.Wachusett	19 (5 hrs)	G.Gove#
26	Essex, Concord	4, 2	BBC, R.Forster#
26,28	P.I.	<u>126</u> , 36	P.Roberts#, BBC

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Sharp-shinned Hawk, continued:			
30	Eastham	12	B.Nikula#
Cooper's Hawk:			
5,11	Baldwinville, Rowley	1, 1	J.O'Regan,N.King#
19,26	Mt.Wachusett, Harvard	1, 1	L.Taylor#
27,28	Winchester, P.I.	1, 1	G.Gove, BBC
Red-tailed Hawk:			
8,11	Millis, Mt.Wachusett	10(6 in 1 hr.), 3	B.Cassie, SSBC
12	Needham, Marshfield	4, pr. nesting	K.Anderson, W.Petersen
18;19	Mt.Wachusett;Harvard;Bolton	2; 4, 1	P.Roberts; BBC
22,30	Whitman, Marshfield	2, pr. nesting	F.Bouchard, W.Petersen
Red-shouldered Hawk:			
3;7,30	Truro, W.Newbury; Millis	3,1: 1, 1	B.Nikula,R.Heil;B.Cassie
11-13,12	E.Middleboro, Lynn	1, 1 imm.	K.Anderson, R.Heil#
17-18	Worcester; Boxford, P'town	1; 1, 2	K.Anderson;R.Stymeist,B.Nikula
14	Boxford	1	I.Giriunas
10,19	E.Bridgewater, Harvard	1, 1	W.Petersen, BBC
23,26	Lakeville, Marshfield	1 imm., 1	W.Petersen, SSBC
Broad-winged Hawk:			
11;26	Sudbury; Concord	1, 1, 37	R.Forster#
18	Harvard, Middleboro	16, 4	BBC, W.Petersen#
18	W.Newbury, Mt.Wachusett	1, 28	BBC, P.Roberts
19	Mt. Wachusett, Cambridge	36, 2	D.Lange#, C.Ewer
19	E.Middleboro	3	K.Anderson
20,26	Wellesley, Essex	3, 1	C.Ewer, BBC
26,28	E.Middleboro, P.I.	3, 2	K.Anderson, BBC
Rough-legged Hawk:			
3	Newburyport	4 (1 dk.)	R.Heil
3-7	Millis	1 dk.	B.Cassie
11,12	Newbypt, Lexington	1, 1	BBC, W.Petersen#
Bald Eagle:			
5	Quincy	1 ad.	TASL
Northern Harrier: (migrants)			
3,4,18,19,25,26	Plum Island	1, 2, 1, 6(3 m.), 2, 21	v.o.
7,27	Millis	1, 3	B.Cassie
18,27	Sudbury, Concord	2, 1	R.Forster#, R.Walton
18,26	Marshfield	2, 2	W.Petersen#, SSBC
11,19,23	Duxbury,N.Scituate,Bridgewater	1, 3, 2	W.Petersen#
Osprey:			
3,4	Concord, Lincoln	1, 1	R.Walton, R.Forster
4	Royalston, Lakeville	1, 1 on nest	J.O'Regan, R.Heil
8,22	Millis	1, 1	B.Cassie#
11,12,15	P.I., GMNWR, Wayland	1, 1, 1	BBC,R.Walton,D.White
18;19	Mt.Wachusett,P.I.,Boxford	1, 3, 1	P.Roberts,BBC,R.Stymeist
19,23	N.Scituate, Lakeville	1, pr. at nest	W.Petersen
26	P.I., Concord	5, 1	P.Roberts#, R.Forster#
28,30	P.I., Marshfield	1, 1	BBC, F.Bouchard
Peregrine Falcon:			
22	Millis, Manomet	1, 1	B.Cassie#, MBO
26	P.I.	1 imm. f.	P.Roberts#
Merlin:			
5	E.Boston	1	TASL
9	Milton	1 m.	S.Higginbotham
11,18;19,20	P.I.	1, 4; 6, 1 ad. m.	BBC; P.Roberts#
24,25,26		2 (1 m.,f.); 1, 14	G.Gove#, BBC, P.Roberts#
18;19,26	Duxbury; N.Scituate	1; 4 in 4 hrs., 6 in 2 hrs.	W.Petersen#
19,20	Bolton,Newbypt	1, 1+	BBC, R.Heil
26	Marshfield, Wellfleet	1, 1	SSBC, B.Nikula
30	Cambridge, Chatham	1, 1	BBC, B.Nikula
American Kestrel:			
11,18	P.I.	4, 15 (8 m.,7 f.)	BBC, G.Gove
19,26;28	P.I.	60, 110; 2	P.Roberts; BBC
4,5	Ipswich	3, 1	J.Berry
4	Carver	2	SSBC
19,26;26	N.Scituate; Harvard	26, 23; 2	W.Petersen#; BBC
30	Marshfield	2	F.Bouchard

GALLIFORMES AND RAILS

Ruffed Grouse were heard drumming in two locations and two Bobwhite, possibly released birds, were seen in Quincy. A King Rail was seen at the observation blind at Hellcat, Virginia Rails were reported from two locations, and Common Gallinules appeared toward the end of the month.

Ruffed Grouse:			
4,12	Hamilton, Ipswich	1 drumming	J.Berry
6,14	E.Middleboro, Sharon	4, 4	K.Anderson, D.Clapp
11,19	W.Gloucester, Weston	1, 1	V.Albee, L.Robinson
26	Boxford	1 drumming	H.Wiggin#
Bobwhite:			
26	Squantum	2	M.Lynch#
King Rail:			
24,26	P.I.	1, 1	G.Gove#, W.Drummond
Virginia Rail:			
12	S.Peabody	1	R.Heil
20,25	P.I.	2, 1	M.Lynch#, BBC
Sora Rail:			
18	Wayland	1	R.Forster
Common Gallinule:			
25,30	P.I., Marshfield	3, 1	BBC, M.Litchfield
American Coot:			
10	Worcester	1	L.Babbitt
12	Marshfield, Braintree	1, 4	W.Petersen,S.Higginbotham

SHOREBIRDS THROUGH ALCIDS

Unprecedented numbers of Pectoral Sandpipers were observed during the month with a very high count of over 1000 in Newburyport Harbor. In Marshfield over 200 were counted and high counts were recorded from Topsfield and Concord. The previous spring high total for this species in Massachusetts was just 92. Strong and warm westerly winds during the month may have been the reason for this explosion. Also note the large numbers of Common Snipe reported from many locations with the highest counts during mid-month. A Solitary Sandpiper was found at Newburyport on the very early date of April 3. Lingered Purple Sandpipers were in good numbers along the Lynn-Nahant shore throughout the month. Palearctic shorebirds this spring included a basic-plumaged Bar-tailed Godwit at Point of Pines, Revere, and two Ruffs at E. Boston and two in the Newburyport area.

Glaucous Gulls were reported from Quincy and Newburyport during the month. In Newburyport Harbor as many as six adult Little Gulls were present most of the month, some of which were noted to have a distinct rosy blush. A Thayer's Gull in first winter plumage was studied and photographed at the northern end of Stellwagen Bank on the 25th. Caspian Terns were reported from four locations and Common and Least terns returned at month's end.

A report of a Ross' Gull at Newburyport Harbor on April 26 was received and despite a very thorough search by many observers that afternoon and during the next two days, it was not seen again.

Alcid reports included a Common Murre, 8 Razorbills, and a number of Black Guillemots from N. Scituate (10), Boston Harbor (5), and Provincetown (1). R.H.S.

American Oystercatcher:			
12,18	M.V., Madaket	6, 8	V.Laux, R.Heil#
Killdeer:			
3	Topsfield, P.I.	10, 28	R.Heil
4,5	Medford, Rowley	4, 10+	C.Jackson, J.Berry
Golden Plover:			
29-30	M.V.	1	V.Laux
Black-bellied Plover:			
18,21	Duxbury, Squantum	100+, 8-10	W.Petersen#,G.Wilson
Ruddy Turnstone:			
18	Duxbury	2	W.Petersen#
American Woodcock:			
4,11	Hamilton, 2 loc.	2-3, 8-12	J.Berry
9,20	Bolton, Belmont	6, 7	M.Lynch, BBC

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Common Snipe:			
3	Rowley, Newbypt	18, 22	R.Heil
4,5	Medford, Quincy	4, 6	C.Jackson, TASL
9,11	Bolton Flats, Newbypt (Turkey Hill)	9, 54	M.Lynch, R.Heil#
10+18	W.Bridgewater	20, 65	W.Petersen#
12+27	Marshfield	20, 40	W.Petersen, J.Clancy#
27	Millis	22	B.Cassie
Upland Sandpiper:			
25,26;27	M.V.; Lincoln	3, 6; 2	V.Laux; B.Byrne
28,30	Newbypt, Marshfield	4, 2	W.Drummond#, F.Bouchard#
Spotted Sandpiper:			
24,26	Mt.A., Harvard (Oxbow)	1, 5	M.Greenwald, R.Stymeist#
28,30	Squantum, S.Peabody	3, 2	O.+N.Komar#, R.Heil
Solitary Sandpiper:			
3-11,27	Newbypt, Millis	1, 1	R.Heil, B.Cassie
29,30	Concord, Marshfield	1, 2	R.Forster#, F.Bouchard#
Willet:			
23,25	Dennis, Winthrop	3, 1	B.Nikula, M.Sharpe
29	Gloucester	1	fide L.Jodrey
Greater Yellowlegs:			
1,4,5	Cohasset, P.I., E.Boston	7, 6, 15	W.Hanley, BBC, TASL
26,27	Marshfield, Concord	25, 5	SSBC, R.Walton
Lesser Yellowlegs:			
4,5	P.I., Boston Harbor	10, 8	BBC, TASL
10,27	W.Bridgewater, Concord	2, 2	W.Petersen, R.Walton
Purple Sandpiper:			
5	Nahant, Winthrop	190, 275	TASL
Pectoral Sandpiper:			
3,11,18,20,30	Newburyport	15, 250 + 600, <u>1000+</u> . 800+	R.Heil, G.Gove + v.o.
12,18,30	Marshfield	200+, 60, 11	W.Petersen, F.Bouchard+v.o.
11,12+27	Topsfield, Concord	43, 58 + 68	R.Heil, R.Walton
Least Sandpiper:			
11,27	Newbypt, Squantum	1, 1	v.o., O.+N.Komar
Dunlin:			
18,27	Duxbury, Newbypt	300+, 20	W.Petersen#, O.+N.Komar#
Short-billed Dowitcher:			
25,28	P.I.	1, 4	BBC
Long-billed Dowitcher:			
19	Newburyport	1	S.Perkins
Bar-tailed Godwit:			
12	Revere	1	S.Zendeh
	Full, convincing details on file.		
Ruff:			
5,12	E.Boston	1, 1	TASL, S.Zendeh
11-30	Newbypt	2-1	R.Heil, B.Shockey + v.o.
Wilson's Phalarope:			
30	Plymouth	1 f.	MBO staff
jaeger, sp.			
27	Stellwagen Bank	1	R.Prescott
Glaucous Gull:			
5,17	Quincy, Newbypt	1, 1	TASL, S+R.Higginbotham
Iceland Gull:			
2,3+20	Framingham, P.I.	1, 3 + 1	E.Morrier, R.Heil
25	Stellwagen Bank, P'town	3, 4	W.Petersen, M.Lynch#
Thayer's Gull:			
25	Stellwagen Bank	1 (1W, ph)	W.Petersen, K.Powers, E.Baccus
	Full details on file.		
Black-headed Gull:			
7,17	Chatham, Newbypt	2, 1	B.Nikula, S.Higginbotham
Little Gull:			
3 on	Newburyport	max. 6 ad.	R.Heil# + v.o.
Black-legged Kittiwake:			
25	Stellwagen Bank	3	W.Petersen#
Ross' Gull: (?)			
26	Newburyport	1	N.Nash#
Common Tern:			
28-30,28	Squantum, Yarmouth	2, 12	R.Sanford#, R.Scott

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Least Tern: 25	M.V.	2	V.Laux
Caspian Tern: 23+24,28	P.I., Squantum	1, 1	fide L.Jodrey#, W.Cornwell#
30	Marshfield, Duxbury	1, 1	M.Litchfield, D.+V.Crompton
Razorbill: 18	off Hyannis, Nant. Harbor	7, 1	R.Heil
<u>Common Murre:</u> 18	Cape Cod Bay	1	B.Nikula
Black Guillemot 11+19	N.Scituate	10	R.Veit + W.Petersen
25	Boston Harbor, P'town	5, 1	W.Petersen#, M.Lynch#

CUCKOOS THROUGH WAXWINGS

Snowy Owls were reported from the Newburyport-Plum Island area through April 13 and another was observed at Nahant on April 19. Three singing Saw-whet Owls were present in Rutland State Park while others were seen in Topsfield and on Plum Island.

Ruby-throated Hummingbirds were reported from three locations with one on Nantucket flying into a house; last year the first hummingbird was not reported until May 5. A Red-bellied Woodpecker was found in Wellesley and three Red-headed Woodpeckers were noted. Sapsuckers were reported from five locations with two being seen on the very early date of April 4.

The highlight of the month was a Scissor-tailed Flycatcher at Dwyer Farm in Marshfield. The bird was photographed by many and observed to have a complete right tail streamer, but the left one was apparently missing one or two of its longest feathers.

There was an unprecedented spring movement of Black-capped Chickadees at Manomet where 149 were banded during the month. A Boreal Chickadee was found on Plum Island on the 18th and 19th. A total of 31 Red-breasted Nuthatches were reported this April, a big increase over last year when only 8 were reported for the spring season. R.H.S.

Yellow-billed Cuckoo: 30	Marshfield	1	B.Klunk
Screech Owl: 18	P.I.	1	BBC (S.+E.Wilson)
Great Horned Owl: 11,25	Bedford, Westboro	Each at nest w/ 2 yg.	SSBC, R.Stymeist#
Snowy Owl: 1-13	Newbypt, P.I.	2	v.o.
19	Nahant (East Pt.)	1	T.Walas
Barred Owl: 18,20	Boxford, Dover	1 f.on nest, 1	R.Stymeist#, F.Hamlen
21	E.Middleboro	1	K.Anderson
Long-eared Owl: 22	P.I.	1	v.o.
Short-eared Owl: 17,25	Newbypt, P.I.	1, 1	W.Harris, BBC
Saw-whet Owl: 3-10	Worcester (Rutland State Pk.)	max. 3	M.Lynch, S.Carroll
4,7	P.I., IRWS	1, 1	BBC, D.Skiel
Whip-poor-will: 25, 28	Mt.A., MBO	1, 1 calling	J.Paputseanos, MBO staff
Common Nighthawk: 26	Nantucket	1	J.Stroup#
Chimney Swift: 23, 28	Lynn, P.I.	1, 1	R.Heil, BBC
29	Dover, Lincoln	1, 1	F.Hamlen, R.Forster
30	Quincy, S.Peabody	6, 12	W.Cornwell, R.Heil
Ruby-throated Hummingbird: 19,20	Mt.A., Marshfield	1, 1	L.Crofoot#, C.Tilden
24	Nantucket	1 (flew in house)	G.Andrews
Common Flicker: 18,19	Manchester, Bolton	10, 12	BBC
24,27	Mt.A.	10, 12	BBC

SPECIES/DATE	LOCATION	NUMBER	OBSERVERS
Pileated Woodpecker:			
7	IRWS, Andover	1, 1	D.Skiel, S.Carter
9,29	Lincoln, S.Natick	1, 1	E.Dorsey, G.Hopkins
Red-bellied Woodpecker:			
1-12	Wellesley	1	K.Winkler
Red-headed Woodpecker:			
thr.	Rowley, Westboro	1, 1	v.o., v.o.
27	Nantucket	1	P.Nask#
Yellow-bellied Sapsucker:			
4	Fitchburg, Chelmsford	1, 1	G.Gove, W.Harris
10-30	Mt.A.	7 ind.	v.o.
10,21	Melrose, Millis	1, 1	C.Jackson, B.Cassie
Eastern Kingbird:			
26,29	M.V., MBO	1, 1	V.Laux, MBO staff
Scissor-tailed Flycatcher:			
26-30	Marshfield	1 ph.	W.Petersen + v.o.
Great-crested Flycatcher:			
30	Mt.A., Marshfield, P'town	1, 1, 1	BBC, F.Bouchard, B.Nikula#
Eastern Phoebe:			
thr.	Small numbers reported from many locations.		
4,20	Saugus, Boxford	6, 4	C.Jackson, H.Wiggin#
Tree Swallow:			
thr.	P.I.	max. 200 4/11	v.o.
	Small numbers reported from many locations.		
Bank Swallow:			
20	Wayland	5	R.Forster
Rough-winged Swallow:			
8,10	Millis, Wellesley	1, 1	B.Cassie, C.Quinlan
11,12	Milton, S.Peabody	1, 1	R.Campbell, R.Heil
12,13	GMNWR, Horn Pond	1, 2	R.Walton, G.Gove
18,27	Wayland, MNWS	2, 2	R.Forster, R.Heil
Barn Swallow:			
5; 8	Nahant; MBO, Millis	1; 1, 1	G.Gove; MBO staff, B.Cassie
11,29	Wayland, S.Peabody	3, 10	R.Walton#, R.Heil
Cliff Swallow:			
26,27	Marshfield, Millis	1, 1	SSBC, B.Cassie
Purple Martin:			
19,20 on	E.Middleboro, P.I.	1, 3-8	K.Anderson, R.Heil + v.o.
Blue Jay			
28	Squantum	25	W.Cornwell
Fish Crow:			
thr.	Mt.A.	2 pr. (nest-building 4/10)	R.Stymeist + v.o.
4/19	Framingham	pr. w/ nesting material	
Black-capped Chickadee:			
thr.	Manomet	149 b.	MBO staff
	"Unprecedented spring movement for MBO."		
Boreal Chickadee:			
18,19	P.I.	1	BBC (S.+E.Wilson) + v.o.
Red-breasted Nuthatch:			
thr.	9 loc.	21 ind.	v.o.
26	M.V.	10	V.Laux
Brown Creeper:			
6,18	P.I., P'town	8-10, 10+	v.o., B.Nikula
House Wren:			
16,18	Manomet, Newbypt	1, 1	MBO, BBC
Winter Wren:			
11+18	Mt.Wachusett	1, 2	W.Petersen#, P.Roberts#
18+29	MNWS	1, 1	M.Lynch#, R.Heil
26	WBWS, Boxford	1, 1	B.Nikula#, H.Wiggin#
Carolina Wren:			
26,30	Marshfield, Canton	1, 1	SSBC, R.Veit
Marsh Wren (Long-billed Marsh Wren):			
20,25	P.I., Westboro	1, 1	M.Lynch#, R.Stymeist
27-29	Marshfield	1	J.Clancy# + v.o.
Gray Catbird:			
12,29	Hingham, Mt.A.	1, 1	MBO, BBC
30	S.Peabody, Newton	1, 1	R.Heil, O.+N.Komar

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Gray Catbird (continued):			
30	Manomet, Canton	4 (2 b.), 1	MBO, R.Veit
Brown Thrasher:			
17,29	Woburn, Brookline	1, 2	G.Gove, R.Stymeist
29,30	Belmont, S.Natick	1, 1	L.Taylor, F.Hamlen
30	Quincy, Mt.A., MBO	1, 1, 2 b.	W.Cornwell, BBC, MBO
American Robin:			
21,23	Sharon, Mt.A.	52, 35	D.Clapp, BBC
Hermit Thrush:			
4	P.I., Hamilton	2, 1	BBC, J.Berry
9,10	Milton, Woburn	1, 1	S.Higginbotham, G.Gove
10-30	Mt.A.	max. 17 4/17	R.Stymeist, L.Taylor
29,30	MNWS, Quincy	3, 3	R.Heil, W.Cornwell
Eastern Bluebird:			
4,6	Sudbury, Middleboro	1, 2	R.Forster#, fide R.Turner
7,9	IRWS, Tyngsboro	1, pr. nesting	BBC, L.Files
11	Milton, Rockport	2, 1	R.Campbell, R.Norris
12,13,27	Boxford, Lexington, P.I.	1-2, 2, 1	J.Berry, D.Boroson, M.Murphy
Blue-gray Gnatcatcher:			
10-30,12	Mt.A., Lynn	1-3, 1	A.Scott# + v.o., R.Heil
12,18	Ipswich, Bridgewater	1, 1	J.Berry, W.Petersen#
19,23	N.Scituate, Lakeville	2, 1	W.Petersen#
24,26	Millis, Marshfield	1, 5	B.Cassie, SSBC
30	Canton (F.M.), P'town, Wayland	3, 5, 1	R.Veit, B.Nikula#, R.Forster
Golden-crowned Kinglet:			
10,11	Braintree, Mt.A.	2, 2	R.Campbell, L.Taylor
Ruby-crowned Kinglet:			
4	Dover, P.I., GMINWR	1, 8, 1	P.Hallowell, BBC, E.Rogers
8-30	Mt.A.	max. 44 4/26	v.o.
10,12	Melrose, MBO	2, 1 b.	C.Jackson, MBO staff
18,25	Manchester, M.V.	21, 40	BBC, V.Laux
28,30	P.I., P'town	22, 15+	BBC, B.Nikula
Water Pipit:			
4,5+27	Millis	17, 14	B.Cassie
26	Newburyport	1	W.Harris
Cedar Waxwing:			
3,12	W.Newbury, Concord	25+, 13	R.Heil, W.Wyman

VIREOS THROUGH BUNTINGS

Timing for the early part of this spring's migration was almost certainly affected by the weather. During April, two especially noteworthy weather episodes occurred. The first eleven days averaged 10° above normal, with winds generally from the west and of above average intensity. Numerous migrant species made their first appearance and winter residents departed during this period.

On April 11 the wind shifted from northwest to southwest, and finally to a migration-inhibiting easterly on the 12th. The last five days of April saw temperatures 6° above the norm, with westerly winds again, this time preceded by strong east winds on the 25th. The easterly-to-westerly wind direction shift, along with the temperatures, brought another surge of migrants. The early warm weather also affected area trees, with first foliage appearing at least a week ahead of schedule. Maple flowers were blooming in profusion by the 10th.

Several fringillid species came in during the period April 10-12. Included were Rose-breasted Grosbeak, Rufous-sided Towhee and Lincoln's Sparrow. With the exception of a Northern Waterthrush on the 10th, warblers waited for the second spell of favorable weather. Both Bay-breasted and Wilson's warblers appeared on the 25th. Also on that date, tanagers appeared on the islands, a Scarlet on the Vineyard and a Summer on Nantucket, the latter a nice rarity. One has to wonder if these birds moved in the same small weather cell. One male Indigo Bunting reached Nantucket April 29.

Tree Sparrows were not reported beyond the first week of the month, a somewhat early departure. Reports of Rusty Blackbird also tailed off a bit early, with last significant numbers seen on the 25th. The weather probably moved the blackbirds along. The last Snow Buntings were seen on April 11.

With few exceptions, individual counts were close to the expected values. Notable highs included the April 19 count of 100 Pine Siskins in Weston and the more than 200 White-throated Sparrows seen April 30, in Provincetown. Fox Sparrow records for the season were extremely low, with only one individual reported for the whole month of April. March had seen one good single day count of eighteen.

Rarities for the month included the Prothonotary Warbler, which just barely stayed on from March through April 1. Among many arrivals brought by the weather on the 25th was a Western Meadowlark observed singing beautifully and distinctively in Squantum for three days.

The Pine Siskins which were reported in Sharon throughout the month were observed carrying nesting materials during the second week. Early breeding for this species has occurred during other invasion years, with the birds subsequently moving north for a second breeding attempt.

The records indicated a possibly interesting migration path this year. Manomet Bird Observatory, an area which is intensively covered due to the banding operations, reported first arrivals for a number of species later than some other sites to the north. This would suggest that the bulk of migrants, or at least the pioneer individuals in the migration, were following an inland route, bypassing the southeastern part of the state. L.E.T.

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
<u>Solitary Vireo:</u>			
17,18	MBO, MNWR	1 b., 1	MBO staff, M.Lynch+S.Carroll
23,28	Mt.A., P.I.	3, 1	BBC, BBC
30	Mt.A., Quincy	2, 2	BBC, W.Cornwell
<u>Black-and-white Warbler:</u>			
18,23	Nantucket, MBO	1 m., 1 m.	R.Heil#, MBO staff
23,24	Millis, Mt.A.	1 m., 15	B.Cassie, BBC (Greenwalt)
29,30	Waltham, S.Peabody	2, 3	L.Taylor, R.Heil
30	Canton, P'town	2, 3	R.Veit, B.Nikula
<u>Prothonotary Warbler:</u>			
from Mar.-4/1 Dennis		1 at feeder, ph.	fide D.Reynolds
<u>Blue-winged Warbler:</u>			
30	Canton	1	R.Veit
<u>Nashville Warbler:</u>			
26,30	Wellesley, Canton	1, 1	D.Ewer, R.Veit
30	Millis	1 m.	B.Cassie
<u>Parula Warbler:</u>			
29,30	Mt.A., Quincy	1, 1	BBC, W.Cornwell
30	P'town	1	B.Nikula
<u>Yellow Warbler:</u>			
29	Belmont, Chatham	2, 1	L.Taylor#, A.Channing
30	Canton	2	R.Veit
<u>Magnolia Warbler:</u>			
28,29	Winchester, Manchester	1, 1	G.Gove, fide L.Jodrey
<u>Black-throated Blue Warbler</u>			
25	Newton	1	O.Komar
<u>Yellow-rumped Warbler:</u>			
8,11	Mt.A., Wayland	1, 9	P.Taylor, R.Walton#
17,18	Lynn, Nantucket	11, 250+	R.Heil
23,24	Worcester, MBO	80+, 4	R.Heil, MBO staff
28	Mt.A., P.I.	40, 26	BBC
29	Waltham, MNWS	40, 5	L.Taylor, R.Heil
30	Wayland, Canton	65+, 25	R.Forster, R.Veit
<u>Black-throated Green Warbler:</u>			
18-30	Boxford	max. 4	R.Stymeist#
26,29	E.Middleboro, MNWS	1, 1	K.Anderson, R.Heil
<u>Blackburnian Warbler:</u>			
29	Mt.A.	1	BBC
<u>Bay-breasted Warbler:</u>			
25	Newton	2	O.Komar
<u>Pine Warbler:</u>			
4	3 loc.	5 ind.	v.o.
11,17	Mt.A., Lynn	3, 3	R.Stymeist, R.Heil
18,19	P'town, Weston	10, 7	B.Nikula, L.Robinson

SPECIES/DATE	LOCATION	NUMBER	SPECIES
Pine Warbler (continued):			
25,26	P'town, Harvard	5, 3	M.Lynch#, L.Taylor#
Prairie Warbler:			
28,30	MBO, P'town	1 b. "first", 1	MBO staff, B.Nikula
Palm Warbler:			
4	P.I., Ipswich	1, 1	BBC, J.Berry
5,10	Wayland, Lynn	3, 7	R.Forster#, R.Heil
10-30	Mt.A.	14 max.	v.o.
17,20	Lynn, Concord	30+, 5	R.Heil, A.Correnty
18,30	P'town, Canton	8, 6	B.Nikula, R.Veit
Ovenbird:			
28	MBO	1 b. "first"	MBO staff
Northern Waterthrush:			
10, 27-30	Brookline, Mt.A.	1, 3 max.	D.Arvidson, v.o.
30	MBO, WBWS	1 b. "first", 1	MBO staff, B.Nikula
30	Canton, P'town	2, 3	R.Veit, B.Nikula
Louisiana Waterthrush			
18-26	Boxford	3 max.	v.o.
19	Framingham, Holden	1, 1	R.Forster, S.Carroll#
20,30	Dover, Canton	1, 1	F.Hamlen, R.Veit
Common Yellowthroat:			
28,29	MBO, Waltham	1 m. b. "first", 1	MBO staff, L.Taylor
30	S.Peabody, Anton	2, 1	R.Heil, R.Veit
Wilson's Warbler:			
25	Newton	1	O.Komar
Bobolink:			
18	Nahant	1 f.	M.Lynch + S. Carroll
Eastern Meadowlark:			
4,19	P.I., Bolton Flats	2, 3	BBC
22,26	Lexington, Essex	2, 10	BBC
30	Squantum	6	W.Cornwell
Western Meadowlark:			
25-27	Squantum	1 singing	D.Brown#
Red-winged Blackbird:			
4	P.I., Lakeville	200, 56	BBC, SSBC
19,26	Bolton Flats, Essex	200+, 42	S.Carroll#, BBC
Orchard Oriole:			
24	Nantucket	1	E.Andrews#
Northern Oriole:			
30	Scituate, Canton	1 m., 1	H.Simmen, R.Veit
Rusty Blackbird:			
thr., 4	Millis, Newbypt	95 max., 15	B.Cassie, BBC
16,18	Bridgewater, Wayland	4, 35	S.+R.Higginbotham, R.Forster
23,25	Lakeville, Ipswich	15, 10-20	W.Petersen#, BBC
30	S.Peabody	1	R.Heil
Common Grackle:			
4	Saugus, P.I., Carver	50, 400, 32	C.Jackson, BBC, SSBC
16,19	Mt.A., Bolton Flats	22, 500+	BBC
Brown-headed Cowbird:			
4	Saugus, Carver	6, 4	C.Jackson, SSBC
14,16	Mt.A., W.Bridgewater	10, 100+	BBC, S.+R.Higginbotham
18,26	P.I., Essex	10, 11	BBC
28	Mt.A.	22	BBC
Scarlet Tanager:			
25	M.V.	1	V.Laux
Summer Tanager:			
25	Nant.(Sconset)	1 imm. m.	E.Andrews
Cardinal:			
30	Mt.A.	11	BBC
Rose-breasted Grosbeak:			
10,23	Middleboro, Nantucket	1, 1 m.	K.Anderson, V.Reed
30	Nantucket, GMNWR	3, 1 m.	E.Andrews, L.Taylor#
Indigo Bunting			
29	Nantucket (Madaket)	1 m.	E.Andrews
Evening Grosbeak:			
thr., 4	Mt.A., Ipswich	2-7, 6	v.o., J.Berry
6,20	Wayland, E.Middleboro	30, 20	H.Parker, K.Anderson

<u>SPECIES/DATE</u>	<u>LOCATION</u>	<u>NUMBER</u>	<u>OBSERVERS</u>
Evening Grosbeak, continued:			
27,29	Lexington, N.Abington	30, 50	D.Boroson, M.Byrne
Purple Finch:			
thr.,18	P.I., Manchester	3 max., 1	BBC
House Finch:			
16,18	Mt.A., Manchester	2, 21	BBC
Pine Siskin:			
6,18	Wayland, Boxford	1, 2	H.Parker, R.Stymeist
19	Weston, E.Middleboro	100+, 2+	L.Robinson, K.Anderson
23-28	Mt.A.	2 max.	R.Stymeist#
20,26	Sharon, Winchester	6, 4	D.Clapp, G.Gove
American Goldfinch:			
4,18	P.I., Manchester	3, 30	BBC
Rufous-sided Towhee:			
10,14	Lynn, MBO	3, 1 "first"	R.Heil, MBO staff
18,20	Manchester, E.Middleboro	3, 1	BBC, K.Anderson
21-30	Mt.A.	1-5	v.o.
25,28	Milton, P.I.	1, 4	S.+R.Higginbotham, BBC
Savannah Sparrow:			
9,26	Bolton Flats, Essex	11, 40	M.Lynch, BBC
27,29	MBO, Newton	1 b. "first", 14	MBO staff, N.+O.Komar
Vesper Sparrow:			
9,12	Lincoln, Natick	1, 1	R.Forster, F.Hamlen
11-15,25	Newton, Wellfleet	2, 7+	N.+O.Komar, M.Lynch#
26	Essex, Marshfield	3, 2	BBC, SSBC
Dark-eyed Junco:			
5,10	Ipswich, Lynn	16, 60	J.Berry, R.Heil
16-29,18	Mt.A., Manchester	22 max., 6	v.o., BBC
25,26	Saugus, Essex	3, 4	C.Jackson, BBC
Tree Sparrow:			
4,5	P.I., Belmont	6, 4	BBC, L.Taylor
7	Topsfield	1	BBC
Chipping Sparrow:			
10,12	Framingham, Mt.A.	2, 2	R.Forster, L.Taylor
18,23	Manchester, MBO	6, 1 m. singing	BBC, MBO staff
26,27	Boxford, Mt.A.	4, 4	M.Argue#, BBC
Field Sparrow:			
4	P.I., Rowley	1, 1	BBC, D.Alexander
12,19	Lynn, Mt.A.	12, 10	R.Heil, C.Ewer
27,30	MBO, Squantum	1 b. "first", 1	MBO staff, W.Cornwell
White-crowned Sparrow:			
25	Needham	2	O.Komar
29,30	Stoneham, MBO	3, 1 b. "first"	Martinique, MBO staff
White-throated Sparrow:			
10,14	Melrose, Mt.A.	8, 15	C.Jackson, BBC
12	MBO, Lynn	2 b., 22	MBO staff, R.Heil
24-30,28	Mt.A., P.I.	74 max., 35	v.o., BBC
29,30	MNWS, P'town	20, 250+	R.Heil, B.Nikula#
Fox Sparrow:			
10	Lynn	1	R.Heil
	Unusually low numbers reported.		
Lincoln's Sparrow:			
12,18	Peabody, Nahant	1, 1	R.Heil#, S.Carroll#
25	Needham	2	O.Komar
Swamp Sparrow:			
4,18	Medford, Manchester	1, 3	C.Jackson, BBC
20,28	P.I., MBO	6, 2 b. "first"	M. Lynch#, MBO staff
Song Sparrow:			
3,26	W.Newbury, Essex	150, 11	R.Heil, BBC
Snow Bunting:			
11	Princeton	12	L.Robinson

List of Abbreviations

ad.	adult	F.M.	Fowl Meadow, Milton
alt.	alternate (plumage)	Gr.	greater as in Gr. Boston area
b.	banded	I.	Island
br.	breeding	M.V.	Martha's Vineyard
dk.	dark (phase)	Mt.A.	Mt. Auburn Cemetery, Cambridge
f.	female	Nant.	Nantucket
fl.	fledge	Newbypt	Newburyport
imm.	immature	ONWR	Oxbow National Wildlife Refuge
ind.	individuals	P.I.	Plum Island
loc.	locations	P'town	Provincetown
lt.	light (phase)	R.P.	Race Point, Provincetown
m.	male	S.N.	Sandy Neck, Barnstable
max.	maximum	Stellw.	Stellwagen (Bank)
migr.	migrating	ABC	Allen Bird Club
ph.	photographed	BBC	Brookline Bird Club
pl.	plumage	BOEM	Bird Observer of Eastern Massachusetts
pr.	pair	CEC	Christmas Bird Count
thr.	throughout	DFWS	Drumlin Farm Wildlife Sanctuary
v.o.	various observers	FBC	Forbush Bird Club
W	winter (2W = second winter)	GBBEC	Greater Boston Breeding Bird Census
w/	with	GMNWR	Great Meadows National Wildlife Refuge
yg.	young	IRWS	Ipswich River Wildlife Sanctuary
#	additional observers	MAS	Massachusetts Audubon Society
A.A.	Arnold Arboretum	MBO	Manomet Bird Observatgry
A.P.	Andrews Point, Rockport	MNWS	Marblehead Neck Wildlife Sanctuary
Buzz.	Buzzards (Bay)	NBBC	Newburyport Breeding Bird Census
C.Cod	Cape Cod	SSBC	South Shore Bird Club
E.P.	Eastern Point, Gloucester	TASL	Take a Second Look (Boston Harbor)
F.E.	First Encounter Beach, Eastham	WBWS	Wellfleet Bay Wildlife Sanctuary
F.H.	Fort Hill, Eastham	WMWS	Wachusett Meadows Wildlife Sanctuary



NEWBURYPORT BIRDING WORKSHOP

August 26-28, 1981

Workshops were developed because we felt that with relatively small amounts of instruction, it was possible to increase sharply most birders' field skills and to demonstrate ways of looking at birds that accelerate the pace at which additional competence can be acquired.

Based near Newburyport, the Workshop will focus on shorebirds, among which are some of the most difficult to identify species in North America. Instructors will be Kenn Kaufman and Will Russell of the WINGS staff. For information on this Workshop or any of our 65 tours, weekends or workshops, please write or call:

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