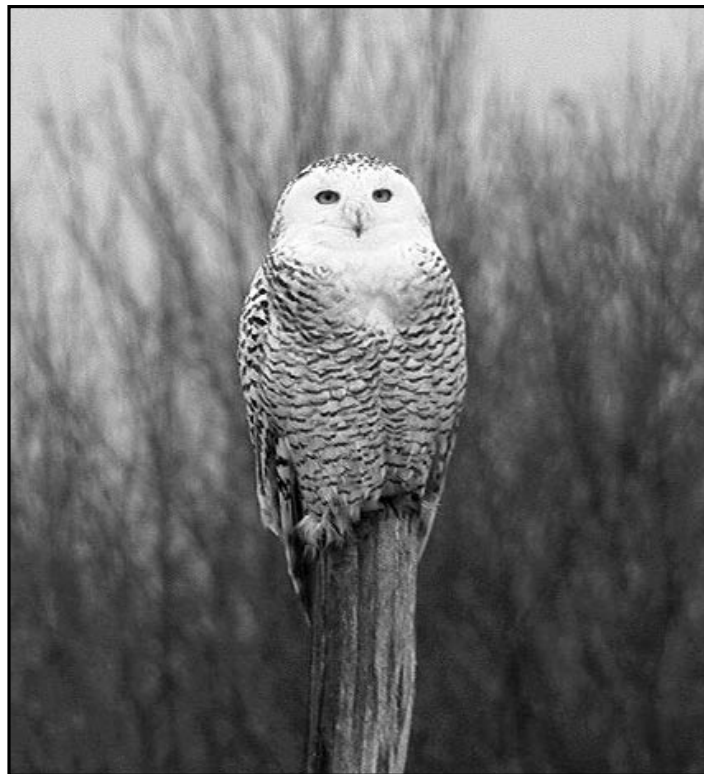


New Hampshire Bird Records



Fall 2001

Vol. 20, No. 3

About the Cover

by Rebecca Suomala

This cover photo of a Snowy Owl is by Stephen Mirick, our first “feature photographer” for a *New Hampshire Bird Records* issue. All the photographs were taken by Steve, and all but this Snowy Owl were taken during this fall season, for which he is the Season Editor. With the increase in web technology and use and improvements in digital technology, more and more photos are being taken and shared on the web. Steve has been a leader in this effort, sharing his photos with the NH.Birds list serve and posting shots by other photographers for all to see and enjoy. In recognition of this contribution we are featuring his photographs in this issue of *New Hampshire Bird Records*.

The Snowy Owl on the cover was actually photographed just after the end of the fall season, on December 14, 2001, but it highlights the occurrence of Snowys in November with at least five birds reported (see the season listings). The cover bird was on a golf driving range off Route 108 in Newfields, and details will be in the next issue of *New Hampshire Bird Records*.

In This Issue

- Boreal Owls nest in New Hampshire
- Fall Hawkwatch data table
- Where to find Black-legged Kittiwakes in New Hampshire
- Merlins expand their nesting range
- The Answer to last issue’s photo quiz and a new challenge

Coming in the Next Issue

- Finding Gray Jays in New Hampshire
- Yellow-breasted Chats — their status in the state
- Wintering Shorebirds
- Birding in the Sandwich area

New Hampshire Bird Records (NHBR) is published quarterly by the Audubon Society of New Hampshire (ASNH). Bird sightings are submitted to ASNH and are edited for publication. A computerized printout of all sightings in a season is available for a fee. To order a printout, purchase back issues, or volunteer your observations for *NHBR*, please contact the Managing Editor at 224-9909.

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New Art Editor

Peg Lopata has joined the *New Hampshire Bird Records* volunteer corps as the Art Editor. She will be gathering photos and art work for each issue and organizing our existing collection. If you have photos or art that you would like to contribute to an issue of *New Hampshire Bird Records*, please contact her at birdsetc@nhaudubon.org or call me and I will forward a message to her. Peg will discuss with you what types of photographs and art work we are looking for and review examples of your work to determine if it is appropriate for the publication.

Wanted: Photos of Your Favorite Bird Watcher in Action

We are gathering photos of birders doing what they like best: birding. Send in your favorite print, slide, or printout of a digital image to *New Hampshire Bird Records*, attention Peg Lopata, at Audubon (3 Silk Farm Rd., Concord). Please do not e-mail digital files directly to us. You may post digital images on a web site and e-mail us a link to that site. We are looking for photos that exemplify the challenges, fun, and humor of being a bird watcher. We will publish the best in the Spring 2002 issue. Deadline for submission is September 15.

Rebecca Suomala
Managing Editor
603-224-9909, ext. 309
bsuomala@nhaudubon.org
April, 2002

In Memory of Nan Turner Waldron

This issue of *New Hampshire Bird Records* is sponsored by Theodore A. Waldron in memory of his wife, Nan Waldron, who was a birder, naturalist, and *New Hampshire Bird Records* supporter.

What to Report

Fall Season: August through December

These are suggestions meant to be a guideline only to help reporters decide when they have a question on which sightings to report. Even though we do not publish all reports, each sighting is valuable in creating a picture of what is happening during the season. All sightings also become part of a database that provides information on bird distribution for research projects, endangered species reports, and other requests for data.

Always report any birds that are unusual for the state or the time of year. We recommend using *A Checklist of the Birds of New Hampshire* by Kimball C. Elkins as a reference (available at ASNH). For migrants, focus on arrival dates, peak numbers, late lingerers, inland sightings of ocean waterfowl, hawk flights, and shorebird peaks. For the common backyard residents that are present year round, report unusually high numbers or sightings which indicate a migration.

Some species are sought after by many birders and reports of these are interesting to all – they are often resident species that are present but not commonly seen such as boreal species like Gray Jay and Spruce Grouse, owls and goatsuckers, or secretive wetland birds such as rails and bitterns. Reports of state endangered and threatened species are always valuable for the database.

Reports for the following species were received but not listed

Mute Swan	Mourning Dove	Tufted Titmouse
Mallard	Great Horned Owl	White-breasted Nuthatch
Northern Harrier	Belted Kingfisher	Brown Creeper
Cooper's Hawk	Pileated Woodpecker	Winter Wren
Red-tailed Hawk	Great Crested Flycatcher	Veery
Ruffed Grouse	Blue Jay	Northern Mockingbird
Ring-billed Gull	American Crow	House Finch
Herring Gull	Black-capped Chickadee	American Goldfinch

Sightings of the species listed above occurred in average numbers at expected locations, were discussed in the summaries, or are escaped exotics.

August 1 – November 30, 2001

by Stephen R. Mirick, Fall Editor

The climate summary for the fall migration season can best be explained with two words: warm and dry. September was the only month of the season that saw slightly higher than average precipitation, but all other months were warmer and drier than normal as recorded in Laconia. The month of August was a remarkable 5.0 degrees warmer than normal with less than 1" of rain for the whole month (more than 2" less than normal). So how did this affect the birds in New Hampshire?

The lack of any strong coastal storms meant fewer than normal numbers of pelagic bird sightings from the coast, and this also meant that there were very few strong cold fronts in September. This led to a lack of any clear migration of hawks, but as there was also a general lack of hawkwatch data submitted this fall, it is hard to tell exactly what happened. The state's prolonged drought led to low water levels on lakes and ponds. This provided mud flats and habitat for shorebirds and herons and may have been a contributing factor to the large numbers of Great Egrets found inland and also to the remarkable egrets and shorebirds reported on Lake Umbagog. November was warm and dry, with about 11% of the normal snowfall in Laconia, so it would be reasonable to assume that some birds would stick around; however, relatively few noteworthy late migrants were reported.

The tern restoration project continues to make news, with over 800 nests for the season and peak counts of 2,000 Common Terns and 83 Roseate Terns in August. In addition, Roseate Terns successfully fledged 1 chick in August for the first successful nesting of this federally endangered species since the 1950s.

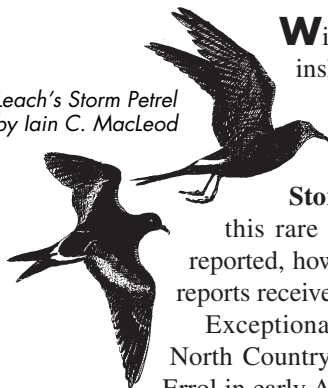
Perhaps the most exciting event of the fall was the confirmed nesting of **Boreal Owls** in early August with videotape of a juvenile bird in the White Mountains on August 5. Further details are included in a separate article on page 37. Other rare finds included an **Ash-throated Flycatcher** in Concord, a **Black Vulture** in Peterborough, 2 **Red Phalaropes** along the coast, and 2 **Leach's Storm-Petrels** on Great Bay.



Ash-throated Flycatcher
by Stephen R. Mirick

Loons through Vultures

Leach's Storm Petrel
by Iain C. MacLeod



Wilson's Storm-Petrels were unusually common from inshore waters during the fall. Usually it is rare to see more than 10 or 20 of these pelagic birds from the coast during the season, so a count of 225 from the coastline on August 12 is remarkable. Two **Leach's Storm-Petrels** from Great Bay was also a nice find for this rare pelagic species. Other pelagic species were poorly reported, however, and for the first time since 1992, there were no reports received for any shearwaters.

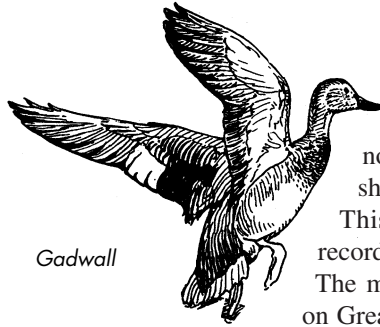
Exceptionally high numbers of egrets were reported from the North Country, with 13 Great Egrets and 2 Snowy Egrets seen in Errol in early August. In addition, 7 Great Egrets were reported from the Connecticut River Valley during the same time period. Twenty Great Egrets from northern New Hampshire represents more than were recorded along the coast, and these may be the first records ever for Snowy Egrets for the region. A **Black Vulture** was seen at a hawkwatch in Peterborough. This species is now becoming nearly annual from southern parts of the state.

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Red-throated Loon				
10-20	24		NH coast	A.& B. Delorey, BBC FT
10-29	1	Greenland	Sunset Farm	S. Mirick
Common Loon				
08-05	20	Errol	Lake Umbagog vicinity	Friends of Umbagog volunteers
08-14	8	Pittsburg	Second Lake	E. Nielsen
10-14	48	Moultonborough	Squam Lake, near Yard Islands	N.& L. Harding
11-18	9	Bristol	Newfound Lake	J. Williams
Pied-billed Grebe				
09-02	1	Errol	Lake Umbagog	B.& B. Taffe
09-03	1	Exeter	wastewater treatment plant	M.& J. Prazar
10-06	1	Rye	Odiorne Point State Park	S. Mirick, P. Lacourse, ASNH FT
10-24	7	Kingston	Powwow Pond	S. Mirick
11-10	4	Rye	Eel Pond	H. Chary, J. Hills, R. Woodward
11-21	1	Holderness	Little Squam Lake	J. Williams
11-23	1	Rye	Eel Pond	D. Donsker
Horned Grebe				
10-01	15	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-13	4	Errol	Lake Umbagog	R. Quinn, Capital Area Chapter FT
10-26	2	Concord	Silk Farm WS	E. Masterson
11-10	4	Seabrook	Seabrook Beach	A.& B. Delorey
11-15	3	Moultonborough	Squam Lake	C. Martin
11-18	23	Bristol	Newfound Lake	J. Williams

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Red-necked Grebe				
10-01	35	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-01	1	Alexandria	Newfound Lake	R. Quinn
10-04	5	Errol	Lake Umbagog	R. Quinn
11-01	4	Errol	Lake Umbagog	R. Quinn, T. Richard, L. Wunder
11-08	1	Gilmanton	Crystal Lake, Gilmanton I.W.	W. Arms
11-10	14	Seabrook	Seabrook Beach	A.& B. Delorey
11-10	14	Hampton	Bicentennial Park	A.& B. Delorey
11-12	1	Hebron	Newfound Lake by Hebron Marsh	J. Williams
11-25	21	Bristol	Newfound Lake	J. Williams
Wilson's Storm-Petrel				
08-03	32	N. Hampton	N. Hampton State Beach	A.& B. Delorey
08-10	34	Rye	Pulpit Rock	A.& B. Delorey
08-12	100	Rye	Ragged Neck	A.& B. Delorey, B. Goodwin
08-12	225		NH coast	S. Mirick, J. Lawrence
08-16	6	N. Hampton	N. Hampton Beach	D. Donsker
08-17	40	Rye	White & Seavey Islands	D. Hayward, E. Masterson
08-31	12	N. Hampton	N. Hampton State Beach	A.& B. Delorey
Leach's Storm-Petrel				
10-01	2	Newmarket	Great Bay, Bay View Dr.	S. Mirick
Northern Gannet				
08-18	14	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
10-11	20	Rye	Seavey Island	S. Mirick, D. Hayward, et al.
10-26	35	Hampton	Plaice Cove	A.& B. Delorey
Double-crested Cormorant				
08-03	3	Gorham	Androscoggin River	R. Quinn
08-08	4	Canterbury	Pevery Meadow	R. Quinn
10-04	4	Errol	Lake Umbagog	R. Quinn, et al.
10-23	200	Newmarket	Great Bay, Bay View Dr.	S. Mirick
Great Cormorant				
08-20	5	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
09-24	1	Concord	Horseshoe Pond	S. Mirick, M. Suomala, R. Woodward
10-11	14	Rye	Seavey Island and vicinity	S. Mirick, D. Hayward, et al.
American Bittern				
08-12	1	Dummer	Rt. 16, Magill Bay	K. Dube
08-19	1	Lisbon	Lyman Rd.	S.& M. Turner
08-31	1	Laconia	Elm St., Laconia CC	H. Anderson
10-17	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-20	3	Hampton	Hampton salt marsh	S. Mirick, J. Lawrence
Great Blue Heron				
11-20	1	Errol	Rt. 16, Magalloway River	K. Dube
11-24	4	N. Hampton	Causeway Rd. pond	D. Donsker
11-29	1	Keene	Beaver Brook Dam, near Rt. 9/10 jct.	M. Wright
11-30	1	Kensington	Rt. 107 residence	G. Gavutis

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Great Egret				
08-04	13	Errol	Leonard Marsh, Lake Umbagog	C. Martin, D. Demers, et al.
08-07	1	Sutton	Stevens Brook wetland	C. Martin
08-07	1	Concord	Horseshoe Pond	J. Williams
08-12	7	Monroe	meadow above Barnet Bridge	E. Emery, P. Powers
08-24	7	Hampton	Hampton Marsh	A.& B. Delorey
08-24	12	Seabrook	mussel beds	A.& B. Delorey
08-26	1	Durham	Mud Pond	E. Masterson
08-26	1	Northfield	Deadwood Pond	P. Hunt
09-14	6	Hampton	Hampton Harbor	S. Mirick
09-20	1	Rochester	Pickering Ponds trails	S. Mirick
Snowy Egret				
08-05	2	Errol	Leonard Marsh, Lake Umbagog	C. Martin, J. Henderson, L. Vose
08-24	25	Seabrook	mussel beds	A.& B. Delorey
11-22	1	N. Hampton	salt pan s. of Rye Ledge	R. Woodward
Green Heron				
08-07	1	Hanover	Laramie Rd. beaver pond	T. Rosenmeier, K. Kluge
08-14	1	Exeter	Powder House Pond	G. Prazar
08-21	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
08-28	1	Nashua	pond near Clovercrest Dr.	B. Harris, et al.
09-01	2	Laconia	pond at end of Leigh Court	H. Anderson
09-01	1	Canterbury	sod farm	R. Woodward, Capital Area Chapter FT
09-03	1	Exeter	wastewater treatment plant	M.& G. Prazar
09-22	1	Laconia	Elm St., Laconia CC	H. Anderson
09-24	1	Concord	Horseshoe Pond	S. Mirick, M. Suomala, R. Woodward
Black-crowned Night-Heron				
09-01	1	Berlin	Androscoggin R.	E. McLaughlin
09-03	3	Exeter	Powder House Pond	M.& G. Prazar
09-23	1	Rye	Odiorne Point St. Pk.	M. Patten
10-07	1	Exeter	Powder House Pond	G. Prazar
Black Vulture				
09-15	1	Peterborough	Pack Monadnock	I. MacLeod
Turkey Vulture				
08-07	7	Plymouth	Pine Gate Rd.	J. Williams
10-12	6	Berlin		R. Quinn
10-20	14	Laconia	Lakeport	J. Williams
11-04	1	Lee	over town center	C. Marantz, D. Abbott, A. Matsuo
11-06	1	Nashua	W. Hollis St. near Soucy's Market	J.& B. Ayer

Waterfowl & Hawks



Gadwall

Gadwall and Northern Shovelers appear to be increasing in the northeast, and both species are now being seen annually in southeastern New Hampshire, primarily from Great Bay in the fall and spring. This season, a maximum count of 6 Gadwall was recorded from the bay and two shovelers from Rochester. The maximum counts of American Wigeon have dropped on Great Bay over the last two falls; however, the totals are still well above historic numbers. The multiple sightings of Eurasian Wigeon on the bay represent two individuals, with an adult and a first-winter male reported. Ruddy Duck reports were very low for the fall, with their lowest recorded totals in many years.

Very little hawk migration data was submitted for the fall, both to *New Hampshire Bird Records* and the state Hawkwatch Coordinator. See page 36 for the state summary and data table. The listing below reflects only a single report from Pack Monadnock on September 15. This was clearly a great day, however, with over 400 Broad-winged Hawks, a Golden Eagle, and a **Black Vulture** reported! A total of 17 Northern Harriers and 12 Cooper's Hawks for the fall are about average number for these uncommon, but regular, fall migrants in the state. The August sightings of Merlin from Plymouth represent lingering birds from an apparently nesting pair, which is remarkably far south for this northern species (see article on page 35).

Date	#	town	location	observer(s)
Canada Goose				
08-05	42		Lake Umbagog vicinity	Friends of Umbagog volunteers
09-22	454	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-07	110	Gilsum	Hammond Hollow	M. Wright
10-10	116	Columbia	residence	D.& B. Killam
10-13	100	Manchester	over Rt. 93	D.& B. Soule
Brant				
09-15	2	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-15	1	Rochester	wastewater treatment ponds	T. Vazzano, R. Crowley
10-19	13	Greenland	Sunset Farm	T. Vazzano, R. Crowley
10-20	7	Stratham	Sandy Pt.	A.& B. Delorey, BBC FT
10-27	25	Lebanon	airport	D. Crook, et al.
11-02	34	Stratham	Sandy Pt.	A.& B. Delorey
11-17	7	Rye	Pulpit Rock	A.& B. Delorey, BBC FT
Wood Duck				
08-05	11		Magalloway & Androscoggin R.	Friends of Umbagog volunteers
09-03	10	Holderness	wetlands s. of Rt. 175A	J. Williams
10-14	30	Concord	South End Marsh	R. Woodward
10-21	43	Chichester	pond by Short Falls & Hutchinson	Rds. R. & M. Suomala
10-27	16	Laconia	Opechee Bay	P. Hunt

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Gadwall				
11-14	2	Newmarket	Great Bay, Bay View Dr.	S. Mirick
11-17	6	Stratham	Sandy Pt.	A.& B. Delorey, BBC FT
Eurasian Wigeon				
10-19	1	Greenland	Sunset Farm	T. Vazzano, R. Crowley
11-02	1	Stratham	Sandy Pt.	A.& B. Delorey
11-17	1	Stratham	Sandy Pt.	A.& B. Delorey, BBC FT
11-17	1	Greenland	Sunset Landing	A.& B. Delorey
American Wigeon				
08-30	3	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-19	80	Greenland	Sunset Farm	T. Vazzano, R. Crowley
10-29	112	Greenland	Sunset Farm	S. Mirick
11-17	77	Greenland	Sunset Landing	A.& B. Delorey
11-17	115	Stratham	Sandy Pt.	A.& B. Delorey, BBC FT
American Black Duck				
08-05	63		Lake Umbagog vicinity	Friends of Umbagog volunteers
Blue-winged Teal				
08-12	1	Rye	White & Seavey Islands	D. Hayward
08-16	1	Pittsburg	Scott Bog Rd.	E. Nielsen
09-03	5	Exeter	wastewater treatment plant	A.& B. Delorey
09-20	7	Rochester	Pickering Ponds trails	S. Mirick
10-13	1	Errol	Magalloway River	R. Quinn, Capital Area Chapter FT
10-20	3	Rye	Eel Pond	A.& B. Delorey, BBC FT
Northern Shoveler				
10-19	2	Rochester	wastewater treatment ponds	T. Vazzano, R. Crowley
10-22	2	Rochester	wastewater treatment plant	S. Mirick
Northern Pintail				
10-06	5	Rye	Odiorne Point	S. Mirick, P. Lacourse, ASNH FT
10-16	1	Newmarket	Great Bay, Bay View Dr.	S. Mirick
Green-winged Teal				
08-14	6	E. Kingston	Rt. 108 pond n. of Stumpfield Rd.	G. Gavutis, Jr.
08-30	12	Newmarket	Great Bay, Bay View Dr.	S. Mirick
09-20	14	Rochester	Pickering Ponds trails	S. Mirick
10-04	7	Errol	Lake Umbagog	R. Quinn, et al.
10-13	10	Errol	Lake Umbagog	R. Quinn, Capital Area Chapter FT
10-14	6	Concord	South End Marsh	R. Woodward
10-14	100	Newmarket	Great Bay, Bay View Dr.	S. Mirick
11-17	1	Stratham	Sandy Pt.	A.& B. Delorey, BBC FT
Ring-necked Duck				
08-05	60		Lake Umbagog vicinity	Friends of Umbagog volunteers
10-18	80	Moultonborough	Unsworth Preserve	T. Vazzano
11-01	41	Concord	Silk Farm WS	E. Masterson

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Greater Scaup				
10-13	3	Errol	Lake Umbagog	R. Quinn
10-19	100	Greenland	Sunset Farm	T. Vazzano, R. Crowley
10-29	200	Greenland	Sunset Farm	S. Mirick
10-31	2	Jefferson	Cherry Pond	R. Quinn, T. Richard, D. Govatski, C. Bretton
Lesser Scaup				
09-03	2	Exeter	wastewater treatment plant	A.& B. Delorey
10-24	3	Derry	Beaver Lake	A. Delorey
11-15	5	Derry	Beaver Lake	A.& B. Delorey
Common Eider				
08-04	141	Rye	White & Seavey Islands	A. LeFrancois
08-22	136	Rye	White & Seavey Islands	D. Hayward
09-15	36	Rye	Foss Beach	A.& B. Delorey, BBC FT
Surf Scoter				
08-16	1	N. Hampton	N. Hampton State Beach	D. Donsker
10-22	1	Moultonborough	Squam Lake	T. Vazzano
10-31	2	Concord	Silk Farm WS	E. Masterson
White-winged Scoter				
08-01	1	Rye	bay n. of Little Boars Head	D.& T. Donsker
08-24	13	N. Hampton	N. Hampton State Beach	A.& B. Delorey
09-15	8	Rye	Pulpit Rock	A.& B. Delorey, BBC FT
09-25	1	Dixville	Lake Gloriette, Dixville Notch	K. Dube
10-08		Franconia	Echo Lake	G. Gavutis, Jr.
Black Scoter				
09-25	7	Rye	NH coast	S. Mirick
10-24	12	Gilmanton	Crystal Lake, Gilmanton Iron Works	W. Arms
10-28	40	Lebanon	Wilder Dam	M. Krenitsky
11-10	80	Hampton	Bicentennial Park	A.& B. Delorey
11-14	3	Newmarket	Great Bay, Bay View Dr.	S. Mirick
11-22	5	Holderness	Squam Lake	A. Groth
11-24	110	Hampton	Bicentennial Park	A.& B. Delorey, B.& J. Goodwin
Long-tailed Duck				
10-11	4	Rye	Seavey Island	S. Mirick, D. Hayward, et al.
10-31	1	Jefferson	Cherry Pond	R. Quinn, T. Richard, D. Govatski, C. Bretton
11-10	40	Hampton	Plaice Cove	A.& B. Delorey
Bufflehead				
10-29	12	Greenland	Sunset Farm	S. Mirick
11-03	1	Dummer	Pontook Reservoir	K. Dube
11-15	34	Newmarket	Great Bay, Bay View Dr.	S. Mirick
11-20	6	Errol	Androscoggin River, Rt. 16 n.	K. Dube
11-22	2	Ashland	Squam R.	J. Williams
Common Goldeneye				
08-05	6		Magalloway & Androscoggin R.	Friends of Umbagog volunteers
10-29	4	Greenland	Sunset Farm	S. Mirick
11-03	3	Bridgewater	Dick Brown Pond	J. Williams

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Common Goldeneye — cont.				
11-12	12	Hebron	Hebron Marsh	J. Williams
11-18	11	Bristol	Newfound Lake	J. Williams
11-21	15	Center Harbor	Squam Lake, Dog Cove	J. Williams
Barrow's Goldeneye				
11-26	1	Laconia	Wildwood Beach, Shore Dr., L. Winnisquam	H. Anderson
11-28	1	Laconia	Wildwood Beach, Shore Dr., L. Winnisquam	H. Anderson
Hooded Merganser				
08-18	1	Exeter	wastewater treatment plant	D. Donsker, M. Nesch
08-29	9	Ashland	Squam R.	J. Williams
09-01	11	Northfield	"Deadwood Pond"	P. Hunt
11-01	13	Littleton	The Dells	J. McIlwaine
11-10	6	Hampton	Bicentennial Park	A. & B. Delorey
11-10	10	Gilmanton	Crystal Lake, Gilmanton Iron Works	W. Arms
11-22	14	Laconia	Messer St. bridge	H. Anderson
11-28	4	Hanover	Laramie Rd. beaver pond	K. Kluge
Common Merganser				
11-21	95	Holderness	White Oak Pond	J. Williams
11-23	108	Dublin	Howe Reservoir, Rt. 101	M. Johnson
Red-breasted Merganser				
08-01	1	Rye	bay n. of Little Boars Head	D. & T. Donsker
10-14	2	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-20	40	Hampton	Bicentennial Park	A. & B. Delorey, BBC FT
11-08	8	Gilmanton	Crystal Lake, Gilmanton Iron Works	W. Arms
Ruddy Duck				
10-19	1	Exeter	wastewater treatment ponds	T. Vazzano, R. Crowley
10-22	2	Derry	Beaver Lake	A. Delorey
11-09	2	Derry	Beaver Lake	A. & B. Delorey
11-14	1	Newmarket	Great Bay, Bay View Dr.	S. Mirick
Osprey				
08-01	5	Salisbury	Punch Brook	I. MacLeod
08-17	1	Lyman	Dodge Pond	S. & M. Turner
08-22	1	Laconia	Elm St., Laconia CC	H. Anderson
08-22	2	Columbia	Connecticut R.	B. Killam, et al.
09-15	12	Peterborough	Pack Monadnock	I. MacLeod
11-16	1	Concord	Merrimack R. between Contoocook R. & Sewalls Falls	C. Foss
Bald Eagle				
08-05	10		Lake Umbagog vicinity	Friends of Umbagog volunteers
08-11	2	Monroe	Connecticut R., above McIndoe Falls bridge	J. Williams
08-26	1	Deering	Deering Lake island opposite Elsworth Rd.	K. Hanson, P. Kaplan
09-01	1	Gilford	Rock Is., Lake Winnepesaukee	T. Donsker
09-15	5	Peterborough	Pack Monadnock	I. MacLeod
Sharp-shinned Hawk				
08-04	1	Wentworths Location	village	R. Quinn
09-15	25	Peterborough	Pack Monadnock	I. MacLeod

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Northern Goshawk				
09-03	1	Plymouth	Pine Gate Rd.	J. Williams
10-06	1	Northfield	"Deadwood Pond"	P. Hunt
10-28	1	Northfield	Cross Mill Rd.	P. Hunt
11-02	1	Cambridge	logging road	K. Dube
11-11	1	Rye	Odiorne Point	S. Mirick
Red-shouldered Hawk				
09-02	1	Hopkinton	Chase WS	R. Woodward
09-12	1	Rumney	Stinson Lake	J. Williams
09-29	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
Broad-winged Hawk				
09-15	42	Goffstown		B. Gannon
09-15	484	Peterborough	Pack Monadnock	I. MacLeod
09-26	5	Gilsum	Hammond Hollow	M. Wright
Rough-legged Hawk				
11-04	1	Berlin	Hutchins St. bark piles	K. Dube
11-14	1	Sandwich	Thompson WS	T. Vazzano
Golden Eagle				
09-15	1	Peterborough	Pack Monadnock	I. MacLeod, S. Spangenberg, R. Woodward
09-27	1	Sandwich	Diamond Ledge Rd.	T. Vazzano, M. Smillie, et al.
10-17	1	Gilsum	Hammond Hollow Rd.	M. Wright
10-20	1	Exeter	wastewater treatment plant	A.& B. Delorey, BBC FT
American Kestrel				
08-08	5	Rye	marsh w. of Rt. 1A	T. Vazzano, R. Crowley
08-24	6	Plymouth	fairgrounds	J. Williams
09-15	6	Peterborough	Pack Monadnock	I. MacLeod
09-22	3	Plymouth	fairgrounds	J. Williams
09-30	5	Bradford	Rowe Mtn. Rd.	M. Levin
Merlin				
08-01	2	Plymouth	Riverside Cemetery, Crescent St.	J. Williams
08-05	5	Errol	Leonard Marsh, Lake Umbagog	C. Martin, J. Henderson, L. Vose
08-18	1	Pittsburg	s. edge of town	M. Patten
08-18	1	Plymouth	Plymouth Fairgrounds	J. Williams
08-24	1	Seabrook	mussel beds	A.& B. Delorey
09-15	2	Peterborough	Pack Monadnock	I. MacLeod
10-20	2	Northfield	census route	P. Hunt
11-17	2	Seabrook	marina	A.& B. Delorey, BBC FT
11-20	1	Concord	Loudon Rd. over Merrimack R.	P. Hunt
11-24	1	Rye	Odiorne Pt. St. Pk.	A.& B. Delorey, B.& J. Goodwin
11-30	1		NH coast	C. Marantz, D. Abbott
Peregrine Falcon				
08-03	1	Plymouth	WPNH Radio Tower	J. Williams
08-05	1	Errol	Leonard Pond at Umbagog Lake	C. Martin, J. Henderson, L. Vose
08-10	1	Plymouth	Pine Gate Rd.	J. Williams
08-16	1	Rye	White & Seavey Islands	D. Hayward
08-27	1	Seabrook	Hampton Harbor	D. Donsker
11-25	1	Portsmouth	Memorial Bridge	S. Mirick, J. Lawrence



*Red Phalarope
by Stephen R. Mirick*

Grouse through Terns

At least one **Sandhill Crane** remained through the fall season at the Connecticut River in Monroe. A possible second bird was reported, but with details which did not convince the state Rare Birds Committee. The increase in Sandhill Cranes during the summer and fall seasons in the northeast hints at the possibility of future nesting for this species in New England.

Shorebirds were poorly reported for the fall, with very few reports from the coast. A noteworthy exception was the report of 1392 small shorebirds (“peeps”) counted migrating south at the Isles of Shoals on August 20. These birds must have been part of a huge offshore migration of shorebirds that day. Phalarope reports included an inland bird on Great Bay, which could not be conclusively identified as to species, and a juvenile Red-necked Phalarope the following day in Rollinsford in the Salmon Fall’s River. Two **Red Phalaropes** videotaped swimming in the surf off Odiorne Point on September 30 was an exciting find of this elusive oceanic migrant.

Laughing Gulls continue to increase, and the number reported from the coast reflects this, as does a report of Laughing Gulls from Great Bay, which is a rare location for this coastal species. Lesser Black-backed Gulls continue to be reported in increasing numbers, and this fall’s sightings probably represent between 4 and 8 individuals, including a third-winter plumaged bird which we strongly suspect returned to the Great Bay region for its second winter in a row.

The Tern Restoration Project on White and Seavey Islands continues to increase, and this year, the colony fledged 1 Roseate Tern chick, which is a federally endangered species. The success on the island can best be illustrated by a table of peak fall counts from White and Seavey Islands as follows:

Fall Season	Common Terns	Roseate Terns
1997	36	1
1998	120	6
1999	500	40
2000	1,000	11
2001	2,000	83

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Spruce Grouse				
08-04	3	Beans Grant	Mt. Pierce	S. Mirick
08-11	6	Pittsburg	East Inlet Rd.	E. Nielsen
08-26	1	Beans Grant	Webster Cliff Trail, between Mt. Pierce & Mizpah Hut	J. Granton
Wild Turkey				
08-15	12	Bradford	Rt. 103	P. Newbern
09-08	10	Goshen	Rt. 10	P. Curtiss
10-06	13	Shelburne	Northside Rd.	R. Quinn, et al.
10-13	120		Rt. 18 on the way to Monroe	J. McIlwaine
11-27	21	Newbury	near Rt. 103 traffic circle	P. Newbern
American Coot				
10-10	1	Whitefield	Little Cherry Pond	S. Mirick, J. Lawrence
10-14	1	Concord	South End Marsh	R. Woodward
10-24	32	Kingston	Powwow Pond	S. Mirick
10-26	2	Moultonborough	Unsworth Preserve	T. Vazzano, S. Fogleman
10-27	3	Derry	Ballard Marsh	A. Delorey, B. Goodwin
11-10	10	Rye	Eel Pond	A. & B. Delorey
11-15	1	Derry	Beaver Lake	A. & B. Delorey
11-23	1	Rye	Eel Pond	D. Donsker
Sandhill Crane				
10-13	1	Monroe	Plains Rd.	J. McIlwaine
Black-bellied Plover				
10-04	6	Errol	Leonard Pond, Androscoggin R.	R. Quinn, et al.
10-13	14	Errol	Leonard Pond, Androscoggin R.	T. & B. Richards
11-16	24	Seabrook	Seabrook Beach	A. & B. Delorey
American Golden-Plover				
08-31	1	Seabrook	Seabrook Harbor	M. Patten
09-14	1	Hampton	Hampton Harbor	S. Mirick
09-22	3	Portsmouth	Pease Golf Course	S. Mirick
10-04	1	Durham	Rt. 155A fields	R. Suomala
10-04	6	Errol	Leonard Pond, Androscoggin R.	R. Quinn, et al.
Semipalmated Plover				
08-03	83	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-30	1	Newmarket	Great Bay, Bay View Dr.	S. Mirick
08-31	1	Rye	Seavey Is., Isles of Shoals	R. Suomala
10-13	1	Errol	Androscoggin River	T. & B. Richards
Piping Plover				
08-12	1	Rye	Jeness Beach	S. Mirick, J. Lawrence
Killdeer				
08-19	12	Northfield	Sargent St.	P. Hunt
08-28	8	Sutton	Country Club of N.H.	H. Anderson
10-04	68	Durham	Rt. 155A fields	R. Suomala
10-05	12	Boscawen	Merrimack R.	P. Curtiss
11-03	3	Canterbury	sod farm	A. & B. Delorey

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Greater Yellowlegs				
08-04	5	Errol	Androscoggin River	R. Quinn, ASNH FT
09-02	4	Errol	Lake Umbagog	B. & B. Taffe
09-22		Concord	Turkey Pond	T. & B. Richards
10-18	2	Canterbury	Pevery Meadow	R. Quinn
10-25	7	Durham	Adams Pt.	R. Suomala
10-28	2	Dublin	Howe Reservoir	E. Masterson
11-01	1	Errol	Magalloway River	R. Quinn, T. Richard, L. Wunder
Lesser Yellowlegs				
09-01	6	Rye	salt pan s. of Odiorne	R. Woodward
09-02	3	Errol	Lake Umbagog	B. & B. Taffe
Solitary Sandpiper				
08-04	3	Errol	Androscoggin River	R. Quinn, ASNH FT
08-04	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
08-07	2	Concord	Horseshoe Pond	J. Williams
08-24	2	Rollinsford	Salmon Falls R. on Foundry Rd.	D. Donsker
08-26	2	Ashland	Pemigewasset R. sandbar	J. Williams
09-22	1	Northfield	"Deadwood Pond"	P. Hunt
09-28	1	Chester	Hillside Haven	A. Delorey
Spotted Sandpiper				
10-13	2	Errol	Androscoggin River	R. Quinn, Capital Area Chapter FT
10-14	1	Tilton	Winnisquam Lake	P. Hunt
11-15	1	Sandwich	Squam Lake at True Cove	C. Martin
Whimbrel				
08-01	3	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-08	7	Seabrook	mussel beds	T. Vazzano, R. Crowley
08-12	14	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-12	4	Seabrook	Hampton Harbor	S. Mirick, J. Lawrence
08-18	1	Seabrook	Hampton Harbor	D. Donsker, M. Resch
Hudsonian Godwit				
08-08	1	Seabrook	mussel beds	T. Vazzano, R. Crowley
08-12	1	Seabrook	Hampton Harbor	S. Mirick, J. Lawrence
08-24	1	Seabrook	mussel beds	A. & B. Delorey
Ruddy Turnstone				
08-03	26	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-10	7	Rye	Foss Beach	A. & B. Delorey
08-11	44	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-30	10	N. Hampton	N. Hampton State Beach	D. Donsker
09-01	22	Rye	s. of stone carved angel	R. Woodward
Red Knot				
08-13	1	N. Hampton	N. Hampton beach	D. & T. Donsker
08-18	7	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
08-20	7	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Sanderling				
10-20	150	Hampton	Bicentennial Park	A.& B. Delorey, BBC FT
11-10	250	Rye	Rye Town Beach	A.& B. Delorey
11-17	100	Seabrook	Seabrook Beach	A.& B. Delorey, BBC FT
Semipalmated Sandpiper				
08-03	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
08-08	22	Rye	White & Seavey Islands	A. LeFrancois, L. Deming, C. Dudley
08-26	1	Ashland	Pemigewasset R. sandbar	J. Williams
08-31	2	Rye	Seavey Is., Isles of Shoals	R. Suomala
Western Sandpiper				
08-31	1	Seabrook	Seabrook Harbor	M. Patten
Least Sandpiper				
08-11	17	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-26	7	Ashland	Pemigewasset R. sandbar	J. Williams
09-01	14	Canterbury	sod farm	R. Woodward, Capital Area Chapter FT
White-rumped Sandpiper				
08-08	2	Rye	Rt. 1A, across from Hemingways	T. Vazzano, R. Crowley
08-20	11	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
08-25	1	Rye	Jeness Beach	E. Masterson, R. Frechette
10-13	2	Errol	Lake Umbagog at Androscoggin R.	R. Quinn, Capital Area Chapter FT
Calidris sp. (peeps)				
08-20	1392	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
10-17	1	Concord	Turkey Pond	E. Masterson
Pectoral Sandpiper				
08-03	1	Rye	Locke Rd. pools	A.& B. Delorey
08-11	1	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
09-02	2	Errol	Lake Umbagog	B.& B. Taffe
Purple Sandpiper				
11-11	2	Hampton	Hampton Harbor jetty	S. Mirick, BBC FT
Dunlin				
10-26	20	Seabrook	marina	A.& B. Delorey
11-16	390	Seabrook	Seabrook Beach	A.& B. Delorey
11-24	71	Seabrook	marina	A.& B. Delorey, B.& J. Goodwin
Short-billed Dowitcher				
08-12	47	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-12	32	Portsmouth	Pease Golf Course	S. Mirick, J. Lawrence
Long-billed Dowitcher				
10-13	2	Errol	Leonard Pond/Androscoggin River	R. Quinn, Concord Area Chapter FT

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Common Snipe				
08-11	1	Piermont	Lily Pond, Lily Pond Rd.	J. Williams
09-16	1	Northfield	"Deadwood Pond"	P. Hunt, et al.
09-28	1	Durham	Moore fields	S. Mirick
10-30	1	Concord	Turkey Pond	E. Masterson
11-10	1	Meredith	behind Meredith Shopping Center	T. Vazzano
11-25	1	Chester	Hillside Haven	A. Delorey
American Woodcock				
10-12	3	Dummer	Sessions Brook	R. Quinn
11-24	1	Jefferson	near Rt. 115 & Pondicherry WS	G. Gavutis
11-26	1	Nashua	Clovercrest Dr.	B. Harris
Red-necked Phalarope				
08-23	1	Rollinsford		S. Mirick
Red Phalarope				
09-30	1	Rye	Odiorne Point St. Pk. surf	S. Mirick
Phalarope sp.				
08-22	1	Newmarket	Great Bay center, seen from Bay View Dr.	S. Mirick
Jaeger sp.				
09-12	1	Rye	just s. of Odiorne Point	S. Mirick
Laughing Gull				
08-03	1	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-19	4	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
08-31	3	Rye	Seavey Is., Isles of Shoals	R. Suomala
08-31	13		NH coast	S. Mirick
09-17	10	Rye	Rye Ledge	D. & T. Donsker
09-17	5	Rye	Concord Point	D. & T. Donsker
09-20	5	Rye	Ragged Neck	A. & B. Delorey
09-20	14	Rye	Jeness Beach	A. & B. Delorey, B. Goodwin
09-22	3	Newmarket	Great Bay, Bay View Dr.	S. Mirick
09-25	27	Rye	Pulpit Rock	A. & B. Delorey
09-25	4	N. Hampton	N. Hampton State Beach	A. & B. Delorey
10-06	25		NH coast	S. Mirick, P. Lacourse, ASNH FT
Little Gull				
08-25	1	Rye	about 1000 yards offshore	E. Masterson, R. Frechette
Black-headed Gull				
10-28	1	Rye	Odiorne Point St. Pk.	M. Patten
Bonaparte's Gull				
08-03	15	N. Hampton	N. Hampton State Beach	A. & B. Delorey
08-03	13	Rye	Foss Beach	A. & B. Delorey
08-04	1	Errol	Androscoggin River origin	R. Quinn, ASNH FT
08-31	125	Hampton	Bicentennial Park	S. Mirick
10-01	3	Laconia	Bartlett Beach, L. Winnisquam	R. Quinn, et al.
10-04	1	Errol	Lake Umbagog	R. Quinn, et al.
10-23	25	Newmarket	Great Bay, Bay View Dr.	S. Mirick
11-01	1	Errol	Lake Umbagog	R. Quinn, T. Richard, L. Wunder

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Iceland Gull				
11-08	1	Rochester	wastewater treatment plant	S. Mirick
11-15	1	Rochester	wastewater treatment plant	S. Mirick
11-25	1	Rye	Odiorne Point	S. Mirick, J. Lawrence
11-25	1	Hampton	Hampton Beach	S. Mirick, J. Lawrence
Lesser Black-backed Gull				
08-23	1	Rochester	Pickering Ponds trails	S. Mirick
09-15	1	Rye	Odiorne Point St. Pk.	M. Patten
09-22	1	Dover	Royalls Cove, Bellamy River	S. Mirick
09-27	2	Rochester	Pickering Ponds trails	S. Mirick
10-06	2	Rye	Odiorne Point St. Pk.	S. Mirick, P. Lacourse, ASNH FT
11-01	1	Rochester	Pickering Ponds	T. Vazzano, R. Crowley
11-08	2	Rochester	Pickering Ponds trails	S. Mirick
11-10	1	Durham	Durham Town Landing	S. Mirick, ASNH FT
11-15	1	Newmarket	Great Bay, Bay View Dr.	S. Mirick
Roseate Tern				
08-01	16	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-11	83	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-12	4	Seabrook	Hampton Harbor	S. Mirick, J. Lawrence
08-14	53	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-19	40	Rye	Seavey Island	S. Mirick, D. Hayward, E. Masterson
08-23	38	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-27	4	Seabrook	Hampton Harbor	D. & T. Donsker, T. Federer
08-31	5	Rye	Seavey Is., Isles of Shoals	R. Suomala
Common Tern				
08-01	2000	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-12	500	Rye	s. of Odiorne Point	S. Mirick
08-15	2000	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-23	600	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-31	80	Rye	Seavey Is., Isles of Shoals	R. Suomala
09-14	500	Hampton	Hampton Harbor	S. Mirick
Arctic Tern				
08-02	1	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-07	2	Rye	White & Seavey Islands	A. LeFrancois, L. Deming, C. Dudley
Forster's Tern				
08-11	1	Rye	Seavey Island, Isles of Shoals	D. Hayward, A. LeFrancois
08-27	1	Seabrook	Hampton Harbor	D. & T. Donsker, T. Federer
09-13	2	Rye	Rye Ledge	D. & T. Donsker
09-14	7	Hampton	Hampton Harbor	S. Mirick

Alcids through Raven

The presence of juvenile **Boreal Owls** represent the first confirmed nesting of this species in the state (see article on page 37). Although the listings below reflect the documentation received for only one juvenile, there were reports from other observers that at least two juveniles were present and there was an adult at the end of July (see the Summer 2001 issue of *New Hampshire Bird Records*). A convincing final report of an adult-plumaged bird was received from the same vicinity on October 26. A fascinating report of an out-of-place Barred Owl, in the fog on the summit of Mt. Washington, perched on a hand railing for the "Tip Top" house, was later substantiated by a remarkable photograph. At least 5 Snowy Owls were seen during the fall for one of the largest totals in the state since the Snowy Owl invasion year in 1991.



Boreal Owl
by Steve Mirick

A count of 9 Red-bellied Woodpeckers represents an average number of reports for this species, which is expanding its range into New Hampshire, but a juvenile Red-headed Woodpecker from Alstead was unexpected. One of the more unusual finds for the fall was an **Ash-throated Flycatcher** that was found in the fields near the Silk Farm Audubon Center in Concord. This is only the second state record for this species, and it remained for a couple of days and was seen by many birders. This species was reported from several other states in New England this fall. Two White-eyed Vireos marked the first fall reports for this species in at least 20 years. Gray Jays were well reported from the mountains and northern parts of the state; however, a bird seen and videotaped coming to a feeder in Lee is far south of the species' normal range and one of the only records for southeastern New Hampshire.

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Black Guillemot				
08-06	1	Rye	White & Seavey Islands	A. LeFrancois, L. Deming, C. Dudley
10-20	1	Rye	Pulpit Rock	A.& B. Delorey, BBC FT
11-10	2	Seabrook	Seabrook Beach	A.& B. Delorey
11-17	3	Rye	Pulpit Rock	A.& B. Delorey, BBC FT
Black-billed Cuckoo				
09-29	1	Haverhill	Bedell Bridge St. Pk.	A. Mudge, et al.
Yellow-billed Cuckoo				
09-13	1	Grafton	Mink Brook NA	M. Patten
09-23	1	Rye	Star Island	R. Woodward
Snowy Owl				
10-31	1	Manchester	Verizon Center & Hughes St.	phone report
11-01	1	Errol	Leonard Pond	R. Quinn, T. Richards, L. Wunder
11-04	1	Manchester	Granite St., Choots Sportsbar & Grill	W. Ganem
11-08	1	Grantham	mile 46 Rt. 89	C. Martin

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
11-08	1	Manchester	Home Depot	S. Ahmad
11-13	1	Carroll	Rts. 3 & 302 jct., Twin Mtn.	H. McGee
11-25	1	Rye	Odiorne Point	S. Mirick, J. Lawrence
Barred Owl				
09-28	1	Sargents Purchase	Mt. Washington summit	B. Fisk
Boreal Owl				
08-04	1	Beans Grant	trail below Mt. Pierce summit	S. Mirick
08-08	1	Beans Grant	Mount Pierce	M. Patten, D. Abbott, C. Marantz, L. Maley, B. Smith
10-23	1	Beans Grant	near Mizpah Springs Hut, Webster Cliff Trail	W.& S. McCumber
Northern Saw-whet Owl				
11-01	1	Chichester	Horse Corner Rd.	M. Reinhardt
11-10	1	Durham	Dame Road	S. Mirick, J. Lawrence
11-18	1	Northfield	Knowles Pond	P. Hunt
Common Nighthawk				
08-02	1	Keene	Main & Church Sts.	M. Wright
08-12	6	Dummer	Rt. 16, Pontook Hydro lot	K. Dube
08-13	5	Concord	Silk Farm WS	P. Hunt, et al.
08-16	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
08-21	7	Hanover	Etna	K. Kluge, T. Rosenmeier
08-26	8	Keene	Colony Mill	M. Wright
08-27	8	N. Hampton	residence	D.& T. Donsker
08-27	40	Lebanon	Wal-Mart	A. Chakravarty
08-28	150	Manchester	Brown Ave.	J. O'Shaughnessy
08-28	65	Concord	residence	R. Woodward
08-31	12	Hopkinton	Upper Straw Rd.	B. Sorce
09-03	2	Northfield	Arch Park	P. Hunt
09-06	1	Plymouth	fairgrounds	J. Williams
Whip-poor-will				
08-06	1	Milford	Federal Hill Rd.	B. Becker
Chimney Swift				
09-22	1	Chester	Hillside Haven	A. Delorey
Ruby-throated Hummingbird				
09-22	1	Gilsum	Hammond Hollow	M. Wright
09-22	1	Plymouth	Pine Gate Rd.	J.& R. Williams
Red-headed Woodpecker				
10-14	1	Alstead	residence	R.& J. Allard
Red-bellied Woodpecker				
08-19	1	Exeter	residence	G. Prazar
09-22	3	Hollis	Beaver Brook Reservation	D. Deifik, M. Resch
10-02	1	Newmarket	Barberry Lane	S. Mirick
10-05	1	Chester	Derry Rd.	A.& B. Delorey
10-14	1	Hanover	Hanover Center	M. Young
10-15	1	Tamworth	Wonalancet residence	J. Allen
10-24	1	Gilmanton	Middle Route	B. Sens
11-21	1	Nashua	"Little Florida" along Nashua R.	D. Deifik

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Yellow-bellied Sapsucker				
08-01	3	Gilsum	Hammond Hollow	M. Wright
09-15	1	Rye	Odiorne Pt. St. Pk.	A.& B. Delorey, BBC FT
09-23	2	Gilsum	Hammond Hollow	M. Wright
09-23	1	Rye	Odiorne Pt. St. Pk.	D.& T. Donsker
09-27	1	Barrington	Mendum's Pond residence	T. Chase
09-29	8	Plymouth	Pine Gate Rd.	J.& R. Williams
10-05	2	Gilsum	Hammond Hollow	M. Wright
10-09	1	N. Hampton	Shiprock Rd.	S. Young
10-21	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
Black-backed Woodpecker				
08-13	1	Pittsburg	Smith Brook Rd.	E. Nielsen
08-13	1	Pittsburg	Big Brook Rd.	E. Nielsen
Northern Flicker				
09-14	9	Tamworth	Great Hill Rd. residence	B. Steele
09-16	9	Plymouth	fairgrounds	J. Williams
09-22	10	Northfield	census route	P. Hunt
09-29	12	Plymouth	Pine Gate Rd.	J.& R. Williams
11-29	1	Nashua	Clovercrest Dr. feeders	B. Harris
Olive-sided Flycatcher				
08-05	1	Wentworths Location	opposite NWR office	R. Quinn, T. Bouchard
08-12	1	Pittsburg	Perry Stream Rd.	E. Nielsen
08-13	1	Pittsburg	Cozzie Brook Rd.	E. Nielsen
08-15	1	Pittsburg	Indian Stream Rd.	E. Nielsen
08-16	1	Pittsburg	East Inlet Rd.	E. Nielsen
08-17	1	Pittsburg	Magalloway Rd.	E. Nielsen
Eastern Wood-Pewee				
10-03	1	Whitefield	Pondicherry WS access	R. Quinn, et al.
Yellow-bellied Flycatcher				
08-04	3	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
08-13	1	Pittsburg	Cozzie Brook Rd.	E. Nielsen
08-16	1	Pittsburg	East Inlet Rd.	E. Nielsen
08-18	2	Sandwich	Diamond Ledge Rd.	T. Vazzano
09-01	1	Sandwich	Diamond Ledge Rd.	T. Vazzano
09-02	1	Rye	Star Is., Isles of Shoals	R. Suomala
09-12	1	Sandwich	Thompson WS	T. Vazzano
Least Flycatcher				
08-12	2	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
09-03	1	Holderness	wetlands s. of Rt. 175A	J. Williams
Eastern Phoebe				
08-06	5	Gilsum	Hammond Hollow	M. Wright
08-24	7	Plymouth	fairgrounds	J. Williams
09-03	9	Holderness	wetlands s. of Rt. 175A	J. Williams
09-08	5	Chester	Hillside Haven	A.& B. Delorey
09-09	17	Northfield	census route	P. Hunt
10-06	5	Weare	Clough St. Pk.	M. Suomala
10-20	1	Northfield	census route	P. Hunt

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Ash-throated Flycatcher				
10-06	1	Concord	bicycle path & fields near Silk Farm WS	M. Suomala, et al.
10-27	1	Concord	Silk Farm WS	M. Patten, M. Suomala, et al.
10-28	1	Concord	Silk Farm WS fields	R. Quinn, T. Richard
Eastern Kingbird				
08-04	8	Errol	Androscoggin River	R. Quinn, ASNH FT
08-08	5	Concord	Horseshoe Pond	R. Quinn
08-29	3	Ashland	Squam R.	J. Williams
09-03	2	Holderness	wetlands s. of Rt. 175A	J. Williams
Northern Shrike				
10-24	1	Tamworth	near the community school	T. Vazzano
11-10	1	Hampton Falls	marsh	M. Patten
11-11	1	Rye	Odiorne Point	S. Mirick, F. Vale, BBC FT
11-24	1	Sandwich	fairgrounds	T. Vazzano
White-eyed Vireo				
10-03	1	E. Kingston	w. side of Fish Road	D. Finch, R. Rickard
10-08	1	Durham	Oyster River Rd.	S. Mirick, J. Lawrence, T. Federer, J. Regan
Yellow-throated Vireo				
08-27	1	Columbia	residence	D.& B. Killam
09-15	1	Northfield	census route	P. Hunt
Blue-headed Vireo				
08-04	3	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
09-22	4	Northfield	census route	P. Hunt
09-27	3	Holderness	US Forest Service lot	J. Williams
10-20	1	Northfield	census route	P. Hunt
Warbling Vireo				
09-01	6	Northfield	census route	P. Hunt
09-03	5	Holderness	wetlands s. of Rt. 175A	J. Williams
09-28	1	Concord	Audubon House	R. Quinn, T. Richards
Philadelphia Vireo				
09-02	1	Sandwich	Thompson WS	T. Vazzano, R. Ridgely
09-03	1	Canterbury	Baptist Hill Rd.	R. Quinn
09-04	1	Northfield	census route	P. Hunt
09-10	1	Holderness	US Forest Service lot	J. Williams
09-13	1	Sandwich	Diamond Ledge Rd.	T. Vazzano
09-17	1	Rye	Odiorne Pt. St. Pk.	D.& T. Donsker
09-26	1	Merrimack	Model Airplane Field near exit 11	D. Deifik
Red-eyed Vireo				
08-17	27	Pittsburg	Magalloway Rd.	E. Nielsen
09-01	11	Northfield	census route	P. Hunt
09-15	10	Rye	Odiorne Pt. St. Pk.	A.& B. Delorey, BBC FT
09-30	1	Northfield	census route	P. Hunt
Gray Jay				
08-04	3	T&M Purchase	Caps Ridge Trail	R. Woodward
08-04	7	Beans Grant	Mt. Pierce	S. Mirick
08-08	9	Beans Grant	Crawford Path & Webster Cliff Trail	C. Marantz, et al.

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Gray Jay — cont.				
08-13	3	Pittsburg	Big Brook Bog Rd.	E. Nielsen
08-14	6	Pittsburg	East Inlet Rd.	E. Nielsen
08-16	3	Pittsburg	Scott Bog Rd.	E. Nielsen
08-25	9	Beans Grant	Mizpah Springs hut area	R. Woodward
09-06	1	Pittsburg	Fourth Connecticut Lake	C.& J. Tewksbury
10-13	2	Errol	Rt. 16 near Long Pond	Q. Quinn
10-13	4	Errol	Magalloway R.	R. Quinn, Capital Area Chapter FT
10-13	2	Wentworths Location	Magalloway High Plain	R. Quinn
10-28	1	Lee	Lee Hill Rd.	B. Wolfe
11-04	1	Lee	Lee Hill Rd.	D. Abbott, C.& A. Marantz
Fish Crow				
08-01	1	Concord	Broadway	R. Quinn
08-04	2	Durham	near downtown	M. Patten
Common Raven				
09-12	1	E. Kingston	Monahan Farm, Rt. 107	G. Gavutis, Jr.
09-20	1	Kensington	Moulton Ridge near E. Kingston line	G. Gavutis, Jr.
10-10	2	Gilsum	Hammond Hollow	M. Wright
11-20	2	E. Kingston	Hog Hill Swamp	G. Gavutis
11-30	1	Goffstown		J. Doherty

Horned Lark through Warblers

A remarkable total of 1,000 Tree Swallows made a stop on Star Island and stayed for a few days where they fed on fruit. A total of 300 Bank Swallows was an unusual concentration in Concord. Late swallows include a Cliff Swallow along the coast on October 20 and a Barn Swallow in Rochester on October 22. Bohemian Waxwings were reported in average numbers for the fall; however, the October sightings are remarkably early for this invasive species, which normally arrives in November. Carolina Wrens were reported in above-average numbers, and one of the Sedge Wrens from the summer season continued to sing into August from a field in Durham.

A Bicknell's Thrush seen in the White Mountains on August 5 is not a rare sighting; however, the bird was found by its calls as it scolded a Pine Marten! Warbler migration had mixed results, with Tony Vazzano noting fewer migrants and less variety at the Thompson Wildlife Sanctuary as compared to the fall of 2000. However, Erik Nielsen recorded good totals for several species along Magalloway Road in Pittsburg on August 17. Rarities for warblers include the western race of Yellow-rumped Warbler, known as "**Audubon's**" Warbler, an Orange-crowned Warbler, and 2 **Connecticut Warblers**. Late warblers include a Wilson's Warbler in Rye and a Black-throated Blue Warbler in Concord.

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Horned Lark				
10-13	1	Errol	Lake Umbagog	R. Quinn, Capital Area Chapter FT
11-08	1	Sandwich	fairgrounds	T. Vazzano

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
11-10	2	Hampton	Hampton Beach St. Pk.	A.& B. Delorey
11-13	7	Plymouth	Quincy Rd. cornfield	J. Williams
11-22	18	Rye	Rye Harbor St. Pk.	R. Woodward
Purple Martin				
08-20	1	Gilsum	Hammond Hollow	M. Wright
Tree Swallow				
08-30	1000	Rye	Star Is., Isles of Shoals	R. Suomala
09-25	100	Rye	Eel Pond	A.& B. Delorey
10-08	30	Exeter	wastewater treatment plant	S. Mirick, J. Lawrence, J. Regan
10-11	1	Rye	Seavey Island	S. Mirick
Bank Swallow				
08-07	300	Concord	Horseshoe Pond	J. Williams
Cliff Swallow				
10-20	1	Hampton	Hampton marshes	S. Mirick, J. Lawrence
Barn Swallow				
08-28	60	Plymouth	Fairgrounds Rd.	J. Williams
10-13	1	Exeter	wastewater treatment plant	S. Mirick
10-22	1	Rochester	wastewater treatment plant	S. Mirick
Boreal Chickadee				
08-04	10	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
08-13	7	Pittsburg	Smith Brook Rd.	E. Nielsen
08-13	6	Pittsburg	Cozzie Brook Rd.	E. Nielsen
08-14	14	Pittsburg	East Inlet Rd.	E. Nielsen
08-16	6	Pittsburg	Scott Bog Rd.	E. Nielsen
08-25	12	Beans Grant	Mizpah Springs hut area	R. Woodward
Red-breasted Nuthatch				
08-07	1	Rye	White & Seavey Islands	A. LeFrancois, L. Deming, C. Dudley
08-13	1	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
08-18	1	Rye	White & Seavey Islands	D. Hayward, E. Masterson, S. Mirick
09-02	1	Rye	Star Is., Isles of Shoals	R. Suomala
Carolina Wren				
08-05	1	Pembroke	Dearborn St.	W. Goodwill
08-18	1	Lyme	Lyme Village	D. Crook
08-28	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-09	1	Lebanon	Payne Rd.	B. Johnstone
10-09	2	Hopkinton	inside back porch	B. Richards
10-15	1	Nashua	Clovercrest Dr. residence	B. Harris
11-11	1	Dover	Prospect St. residence	S.& A. Galt
11-14	1	Kensington	Rt. 107 residence	G. Gavutis
11-21	1	Salem	residence	K. Folsom
11-26	1	Nashua	Clovercrest Dr. yard	B. Harris
House Wren				
08-05	1	Rye	White & Seavey Islands	A. LeFrancois
10-04	1	Durham	fields off Rt. 4	S. Mirick

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Sedge Wren				
08-03	1	Durham	West Foss Farm	S. Mirick, S. Standley, H. Scott
08-12	1	Durham	Foss Farm	S. Mirick, J. Lawrence, T. Federer
Marsh Wren				
09-03	1	Exeter	wastewater treatment plant	M. & G. Prazar
09-03	1	Exeter	Powder House Pond	M. & G. Prazar
10-20	1	Exeter	Powder House Pond	A. & B. Delorey, BBC FT
Golden-crowned Kinglet				
08-08	70	Beans Grant	Crawford Path & Webster Cliff Trail	C. Marantz, et al.
08-12	32	Pittsburg	Perry Stream Rd.	E. Nielsen
08-16	40	Pittsburg	East Inlet Rd.	E. Nielsen
09-29	4	Sandwich	Thompson WS	T. Vazzano
10-17	6	Gilsum	Hammond Hollow	M. Wright
11-03	6	Northfield	census route	P. Hunt
11-24	4	Concord	Beaver Meadows Village	P. Niswander
Ruby-crowned Kinglet				
08-11	10	Pittsburg	East Inlet Rd.	E. Nielsen
09-18	8	Sandwich	Thompson WS	T. Vazzano, P. Hoag
09-29	12	Jefferson	Pondicherry WS	A. & B. Delorey, B. & J. Goodwin
10-14	9	Northfield	census route	P. Hunt
10-25	3	Chichester	Smith Sanborn Rd.	R. & M. Suomala
11-06	1	Gilsum	Hammond Hollow	M. Wright
11-08	1	Sandwich	Diamond Ledge Rd.	T. Vazzano
Blue-gray Gnatcatcher				
08-14	4	Rumney	Rattlesnake Mtn. parking lot	J. Williams, C. Weloth
09-03	1	Holderness	wetlands s. of Rt. 175A	J. Williams
10-28	1	Rye	Odiorne Point St. Pk.	M. Patten
Eastern Bluebird				
08-21	13	Plymouth	fairgrounds	J. Williams
09-28	22	Plymouth	fairgrounds	J. Williams
10-03	10	Chester	Hillside Haven	A. & B. Delorey
10-11	12	Gilsum	Hammond Hollow	M. Wright
10-25	11	Durham	Adams Pt.	R. Suomala
11-04	5	Chester	Hillside Haven	A. & B. Delorey
Bicknell's Thrush				
08-05	1	Beans Grant	Mt. Pierce	S. Mirick
Swainson's Thrush				
09-12	2	Northfield	census route	P. Hunt
09-13	2	Sandwich	Thompson WS	T. Vazzano
09-15	5	Nashua	Nashua R. near Mohawk Tannery	D. Deifik
Hermit Thrush				
10-10	10	Whitefield	Pondicherry WS	S. Mirick, J. Lawrence
10-12	6	Sandwich	Diamond Ledge Rd.	T. Vazzano
10-14	12	Errol	Eames Rd.	R. Quinn, Capital Area Chapter FT

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
10-14	5	Northfield	census route	P. Hunt
10-21	6	Chichester	Short Falls Pond Rd. area	R. & M. Suomala
10-27	3	Derry	Ballard Marsh	A. Delorey, B. Goodwin
11-11	1	Chichester	Horse Corner Rd.	M. Reinhardt
11-21	1	Nashua	"Little Florida" along Nashua R.	D. Deifik
Wood Thrush				
08-13	1	Gilsum	Hammond Hollow	M. Wright
09-09	1	Northfield	census route	P. Hunt
09-15	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
09-23	1	Chichester	Smith Sanborn Rd.	R. & M. Suomala
American Robin				
10-14	406	Northfield	census route	P. Hunt
10-14	100	Plymouth	Hatch Plaza	J. Williams
10-19	72	Chester	Hillside Haven	A. & B. Delorey
10-25	80	Gilsum	Hammond Hollow	M. Wright
Gray Catbird				
09-09	29	Northfield	census route	P. Hunt
10-28	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
Brown Thrasher				
08-18	1	Nashua	Clovercrest Dr. yard	B. Harris
09-09	1	Concord	East Side Dr.	D. Soule
American Pipit				
09-18	11	Canterbury	sod farm	P. Niswander, Concord Bird & Wildflower Club
09-23	40	Plymouth	Quincy Rd. cornfield	J. Williams
10-05	1	T&M Purchase	Mt. Washington Auto Rd.	R. Quinn, et al.
10-09	120	Durham	Rt. 155A fields	R. Suomala
10-14	125	Durham	Moore Fields	S. Mirick
10-19	6	Exeter	wastewater treatment ponds	T. Vazzano, R. Crowley
10-26	10	Sandwich	Whiteface Intervale	T. Vazzano, S. Fogleman
11-03	7	Canterbury	sod farm	A. & B. Delorey
11-03	6	Dummer	Pontook Reservoir	K. Dube
Bohemian Waxwing				
10-08	4	Franconia	behind Catholic Church	J. McIlwaine
10-14	1	Northfield	census route	P. Hunt
10-29	5	Warner	Mt. Kearsage s. of summit	J. Mann
11-06	18	Holderness	Plymouth State College field house	J. Williams
11-07	15	Sandwich	Diamond Ledge Rd.	T. Vazzano
11-11	1	Plymouth		M. Patten
11-19	1	Brookfield	residence	J. LaBelle
11-25	30	Holderness	Bridgeside Diner	J. Williams
Cedar Waxwing				
09-03	30	Holderness	wetlands s. of Rt.175A	J. Williams
09-10	40	Gilsum	Hammond Hollow	M. Wright
09-22	50	Chester	Hillside Haven	A. & B. Delorey
09-22	86	Northfield	census route	P. Hunt
11-01	28	Keene	behind Cheshire Medical Center	M. Wright

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Tennessee Warbler				
09-14	1	Sandwich	Guinea Pond Trail	T. Vazzano, B. Bruni
09-15	1	Northfield	census route	P. Hunt
09-15	1	New London	Esther Currier WMA, Low Plain	P. Newbern
Orange-crowned Warbler				
10-21	1	Rye	Odiorne Point St. Pk.	M. Patten
Nashville Warbler				
08-17	14	Pittsburg	Magalloway Rd.	E. Nielsen
09-16	5	Northfield	census route	P. Hunt
10-10	1	Concord	Silk FarmWS	R. Quinn
10-10	1	Whitefield	Pondicherry WS	S. Mirick, J. Lawrence
Northern Parula				
09-13	2	Sandwich	Thompson WS	T. Vazzano
09-14	2	Sandwich	Diamond Ledge Rd.	T. Vazzano, B. Bruni
09-22	4	Northfield	census route	P. Hunt
10-06	2	Weare	Clough St. Pk.	M. Suomala
10-14	1	Northfield	census route	P. Hunt
Yellow Warbler				
08-07	6	Concord	Horseshoe Pond	J. Williams
09-22	3	Northfield	census route	P. Hunt
09-24	1	Durham	off Rt. 155A	S. Mirick
Chestnut-sided Warbler				
08-17	23	Pittsburg	Magalloway Rd.	E. Nielsen
09-13	3	Sandwich	Diamond Ledge Rd.	T. Vazzano
09-15	2	New London	Esther Currier WMA, Low Plain	P. Newbern
09-22	1	Northfield	census route	P. Hunt
09-29	1	Newbury	Ramblewood Circle residence	P. Newbern
Magnolia Warbler				
08-17	39	Pittsburg	Magalloway Rd.	E. Nielsen
09-09	10	Northfield	census route	P. Hunt
09-13	4	Sandwich	Thompson WS	T. Vazzano
09-16	3	Plymouth	Hatch Plaza brush lot	J. Williams
10-07	1	Chichester	Smith Sanborn Rd.	R.& M. Suomala
10-09	1	Concord	Turtle Pond	R. Quinn
10-10	2	Concord	Silk Farm WS	R. Suomala, M. Johnson
Cape May Warbler				
08-13	1	Dummer	Rt. 16, Magill Bay	K. Dube
09-02	1	Rye	Star Is., Isles of Shoals	R. Suomala
09-09	1	Northfield	census route	P. Hunt
09-22	1	Northfield	census route	P. Hunt
Black-throated Blue Warbler				
08-17	13	Pittsburg	Magalloway Rd.	E. Nielsen
09-03	6	Gilsum	Hammond Hollow	M. Wright
09-13	2	Sandwich	Diamond Ledge Rd.	T. Vazzano
10-02	2	Rye	Odiorne Pt. St. Pk.	J.& D. Romano
10-03	1	Freedom	Ossipee Lake Rd. TNC trail	T. Vazzano
10-08	2	Chichester	Smith Sanborn Rd.	R.& M. Suomala
11-14	1	Concord	residence	R. Woodward, J. Williams

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Yellow-rumped Warbler				
08-13	10	Dummer	Rt. 16, Magill Bay	K. Dube
09-24	30	Durham	off Rt. 155A	S. Mirick
09-29	30	Jefferson	Pondicherry WS	A.& B. Delorey, B.& J. Goodwin
10-06	121	Northfield	census route	P. Hunt
10-14	50	Sandwich	Whiteface Intervale	T. Vazzano
11-15	1	Rochester	wastewater treatment plant	S. Mirick
Yellow-rumped Warbler - Audubon's subspecies				
11-26	1	Rye	Odiorne Pt. St. Pk.	D.& T. Donsker
Black-throated Green Warbler				
09-22	11	Northfield	census route	P. Hunt
09-28	12	Concord	Audubon House	R. Quinn, T. Richards
10-02	1	Rye	Odiorne Pt. St. Pk.	J.& D. Romano
10-03	1	Whitefield	Pondicherry WS access	R. Quinn, et al.
10-04	2	Hanover	Blueberry Hill	K. Kluge
10-10	2	Whitefield	Pondicherry WS	S. Mirick, J. Lawrence
Blackburnian Warbler				
08-17	33	Pittsburg	Magalloway Rd.	E. Nielsen
08-20	1	Gilsum	Hammond Hollow	M. Wright
09-14	1	Sandwich	Diamond Ledge Rd.	T. Vazzano, B. Bruni
Pine Warbler				
09-28	2	Plymouth	fairgrounds	J. Williams
Prairie Warbler				
08-26	1	Northfield	census route	P. Hunt
08-29	1	Freedom	Ossipee Lake Rd. TNC trail	T. Vazzano, R. Ridgely, T. Gullick
09-23	1	Rye	Odiorne Point St. Pk.	M. Patten
Palm Warbler				
09-09	2	Northfield	census route	P. Hunt
09-17	1	Concord	Silk Farm WS	R. Suomala
09-22	5	Hollis	Beaver Brook Reservation	D. Deifik, M. Resch
09-22	5	Sandwich	Thompson WS	T. Vazzano, Lakes Region Chapter FT
09-30	9	Northfield	census route	P. Hunt
10-03	12	Concord	Silk Farm WS	R. Suomala, P. Hunt
10-07	5	Tamworth	Tall Pines Rd.	S. Wieman, J. Tewksbury
10-16	6	Chester	Hillside Haven	A.& B. Delorey
10-20	7	Northfield	census route	P. Hunt
10-25	2	Holderness	US Forest Service lot	J. Williams
Bay-breasted Warbler				
08-04	2	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
08-13	1	Pittsburg	Smith Brook Rd.	E. Nielsen
08-16	3	Pittsburg	East Inlet Rd.	E. Nielsen
09-03	1	Canterbury	Baptist Hill Rd.	R. Quinn
09-09	1	Northfield	census route	P. Hunt
09-29	1	N. Hampton	residence	D.& T. Donsker

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Blackpoll Warbler				
08-04	10	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
08-17	14	Pittsburg	Magalloway Rd.	E. Nielsen
09-01	6	Northfield	census route	P. Hunt
09-16	16	Northfield	census route	P. Hunt
09-26	6	Durham	off Rt. 4	S. Mirick
09-30	2	Northfield	census route	P. Hunt
10-01	2	Windham	residence	J. Romano
10-07	1	Canterbury	Baptist Hill Rd.	R. Quinn
Black-and-white Warbler				
09-28	2	Concord	Audubon House	R. Quinn, T. Richards
American Redstart				
08-04	4	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
09-29	1	Newbury	Ramblewood Circle residence	P. Newbern
10-03	1	Chichester	Smith Sanborn Rd.	R. & M. Suomala
Ovenbird				
09-02	4	Hopkinton	Chase WS	R. Woodward
09-15	1	Nashua	Nashua R. near Mohawk Tannery	D. Deifik
Northern Waterthrush				
08-04	1	Errol	Androscoggin River	R. Quinn, ASNH FT
08-05	1	Wentworths Location	Magalloway River	R. Quinn, T. Bouchard
09-03	1	Holderness	wetlands s. of Rt. 175A	J. Williams
09-09	2	Northfield	census route	P. Hunt
09-16	1	Holderness	wetlands s. of Rt. 175A	J. Williams
Louisiana Waterthrush				
08-07	1	Nashua	Clovercrest Dr.	B. Harris
08-12	1	Warner	brook behind residence	W. Burraughs
Connecticut Warbler				
09-15	1	Nashua	Nashua R. just e. of Mohawk Tannery	D. Deifik
09-22	1	Hollis	Maple Hill Farm, Beaver Brook Reservation	D. Deifik, M. Resch
Mourning Warbler				
08-12	1	Pittsburg	Perry Stream Rd.	E. Nielsen
08-13	2	Pittsburg	Smith Brook Rd.	E. Nielsen
08-17	2	Pittsburg	Magalloway Rd.	E. Nielsen
08-30	2	Hanover	Blueberry Hill residence	K. Kluge, T. Rosenmeier
09-15	1	Holderness		J. Williams
Common Yellowthroat				
09-08	11	Holderness	wetlands s. of Rt. 175A	J. Williams
09-09	20	Northfield	census route	P. Hunt
09-14	17	Sandwich	Guinea Pond Trail	T. Vazzano, B. Bruni
10-10	6	Whitefield	Pondicherry WS	S. Mirick, J. Lawrence
10-14	3	Northfield	census route	P. Hunt
Wilson's Warbler				
08-13	1	Pittsburg	Smith Brook Rd.	E. Nielsen
09-01	2	Northfield	census route	P. Hunt
09-11	1	Rye	Odiorne Pt. St. Pk.	D. Donsker
09-16	1	Plymouth	Hatch Plaza brush lot	J. Williams

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
09-24	1	Durham	off Rt. 155A	S. Mirick
09-29	1	Plymouth	Hatch Plaza brush lot	J. Williams
11-12	1	Rye	Odiorne Pt. St. Pk. s. end	R. Woodward

Canada Warbler

08-04	1	T&M Purchase	Caps Ridge & Link Trail	R. Woodward
08-23	1	Rye	White & Seavey Islands	D. Hayward, A. LeFrancois
09-13	1	Sandwich	Thompson WS	T. Vazzano
10-03	1	Windham	residence	J. Romano

Sparrows, Blackbirds, and Finches

One of the highlights of the fall for sparrows was the incredible number of Lincoln's Sparrows reported — 24 separate reports for a total of 74 birds. This is about five times the normal number reported for the fall season. The blackbird roost at Great Bog in Portsmouth hosted another impressive number of Common Grackles for several days, with an estimated 75,000 birds on October 29. A Bobolink in Durham on October 14 is about two weeks late for this migrant, which winters in Argentina, while two Orchard Orioles in Kensington on August 3 represent lingering juveniles for this species, which is one of the earliest fall migrants, as it usually leaves the state in July.

Pine Grosbeaks staged a modest incursion this fall, with widespread reports in small numbers. White-winged Crossbills were reported in small numbers from all over the state, but, curiously, most of the reports came from feeding stations, perhaps due to a smaller-than-average cone crop. Common Redpolls showed promise for a fall incursion, with a high total of 600 birds in the Sandwich region reported on November 4, but subsequent reports from the state were only of small numbers.

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
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Scarlet Tanager

08-21	2	Gilsum	Hammond Hollow	M. Wright
09-09	7	Northfield	census route	P. Hunt
09-15	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
09-22	4	Hollis	Beaver Brook Reservation, Maple Hill Farm	D. Deifik, M. Resch
10-05	1	Concord	Silk Farm WS	R. Suomala, B. Sens, J. Ayer

Eastern Towhee

08-29	12	Freedom	Ossipee Lake Rd. TNC trail	T. Vazzano, R. Ridgely, T. Gullick
10-21	1	Northfield	census route	P. Hunt

American Tree Sparrow

10-24	1	Concord	Silk Farm WS	R. Suomala
11-03	8	Northfield	census route	P. Hunt
11-04	22	Sandwich	Rt 113 gravel pit	T. Vazzano, R. Ridgely
11-05	10	Plymouth	Fairgrounds Rd.	J. Williams
11-25	20	Northfield	census route	P. Hunt

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Chipping Sparrow				
09-02	25	Plymouth	Pine Gate Rd.	J. & R. Williams
10-14	29	Northfield	census route	P. Hunt
10-21	7	Northfield	census route	P. Hunt
10-27	2	Holderness	US Forest Service lot	J. Williams
11-01	1	Errol	Rt. 16 near dam	R. Quinn, T. Richard
Field Sparrow				
10-24	1	Concord	Silk Farm WS	R. Suomala
11-21	1	Nashua	"Little Florida" along Nashua R.	D. Deifik
Vesper Sparrow				
10-03	2	Freedom	Ossipee Lake Rd. TNC trail	T. Vazzano
10-04	1	Durham	fields off Rt. 4	S. Mirick
Savannah Sparrow				
08-07	6	Concord	Horseshoe Pond field	J. Williams
08-21	10	Jefferson	Rt. 115A	K. Dube
09-22	20	Tamworth	The Community School	R. Vazzano, Lakes Region Chapter FT
10-04	50	Durham	fields off Rt. 4	S. Mirick
10-05	50	Durham	near Moore fields	S. Mirick
10-14	14	Northfield	census route	P. Hunt
10-30	4	Concord	Silk Farm WS	E. Masterson
11-01	1	Errol	Rt. 16 near dam	R. Quinn, T. Richard
Savannah Sparrow — Ipswich subsp.				
10-28	4	Hampton	Hampton Beach St. Pk.	M. Patten
11-10	1	Hampton	Hampton Beach St. Pk.	A. & B. Delorey
Grasshopper Sparrow				
08-04	1	Amherst	cemetery fields	M. Patten
Nelson's Sharp-tailed Sparrow				
10-20	8	Hampton	Hampton salt marsh	S. Mirick, J. Lawrence
Saltmarsh Sharp-tailed Sparrow				
10-20	1	Exeter	Powder House Pond	A. & B. Delorey, BBC FT
10-20	4	Hampton	Hampton salt marsh	S. Mirick, J. Lawrence
Sharp-tailed Sparrow sp.				
10-20	16	Hampton	Hampton salt marsh	S. Mirick, J. Lawrence
Seaside Sparrow				
08-19	1	Rye	White & Seavey Islands	D. Hayward, E. Masterson
09-30	1	Hampton	salt marsh	M. Patten
Fox Sparrow				
10-02	1	Chichester	Smith Sanborn Rd.	R. & M. Suomala
10-14	1	Errol	Greenough Pond Rd.	R. Quinn
10-26	5	Grafton	residence	J. Granton
10-29	7	New London	Pingree Rd.	A. Vernon
11-06	3	Windham	residence	J. Romano
11-09	6	Plymouth	Pine Gate Rd.	J. Williams
11-10		Salem	residence	K. Folsom
11-25	1	Chichester	Horse Corner Rd.	M. Reinhardt
11-26	1	Laconia	Wildwood Rd.	H. Anderson

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Song Sparrow				
09-28	50	Durham	fields near Moore fields	S. Mirick
10-13	20	Holderness	brush row s. of Rt. 175A	J. Williams
10-20	43	Northfield	census route	P. Hunt
Lincoln's Sparrow				
08-13	9	Pittsburg	Smith Brook Rd.	E. Nielsen
09-14	7	Sandwich	Guinea Pond Trail	T. Vazzano, B. Bruni
09-14	4	Plymouth	Fairgrounds Rd. wetlands	J. Williams
09-16	9	Holderness	brush row s. of Rt. 175A	J. Williams
09-22	4	Hollis	Beaver Brook Reservation, Maple Hill Farm	D. Deifik, M. Resch
09-22	3	Tamworth	The Community School	R. Vazzano, Lakes Region Chapter FT
09-22	4	Northfield	census route	P. Hunt
09-24	4	Durham	off Rt. 155A	S. Mirick
09-28	4	Durham	fields near Moore Fields	S. Mirick
10-03	3	Concord	Silk Farm WS	R. Suomala, S.Galt, M. Johnson
10-08	4	Durham	off Rt. 155A	S. Mirick, J. Lawrence, J. Regan
10-13	3	Holderness	brush row s. of Rt. 175A	J. Williams
10-20	2	Northfield	census route	P. Hunt
10-22	1	Chester	Hillside Haven	A. & B. Delorey
Swamp Sparrow				
09-06	10	Sandwich	Thompson WS	T. Vazzano
10-14	26	Northfield	census route	P. Hunt
White-throated Sparrow				
09-24	50	Durham	off Rt. 155A	S. Mirick
09-30	136	Northfield	census route	P. Hunt
10-03	100	Concord	Silk Farm WS	R. Suomala, S.Galt, M. Johnson
10-14	158	Northfield	census route	P. Hunt
White-crowned Sparrow				
09-16	1	Northfield	census route	P. Hunt
09-29	2	Jefferson	Pondicherry WS	A. & B. Delorey, B. & J. Goodwin
10-03	2	Whitefield	Pondicherry Access	R. Quinn, et al.
10-07	2	Hopkinton	Elm Brook Park	R. Woodward
10-09	1	New London	Pingree Rd.	A. & R. Vernon
10-09	3	Columbia	residence	D. Killam
10-14	1	Plymouth	Hatch Plaza brush lot	J. Williams
Dark-eyed Junco				
10-02	150	Bethlehem	Trudeau Rd.	R. Quinn, et al.
10-14	100	Holderness	US Forest Service lot	J. Williams
10-21	100	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-21	133	Northfield	census route	P. Hunt
10-23	110	Gilsum	Hammond Hollow	M. Wright
10-25	60	Holderness	US Forest Service lot	J. Williams

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Lapland Longspur				
10-14	4	Durham	Moore Fields	S. Mirick
10-28	1	Enfield	Shaker Bridge	M. Krenitsky
11-04	1	Sandwich	Whiteface Intervale	T. Vazzano, R. Ridgely
Snow Bunting				
11-01	30	Errol	Rt. 16, just n. of town	K. Dube
11-01	50	Errol	Lake Umbagog marshes	R. Quinn, T. Richard, L. Wunder
11-03	7	Concord	Horseshoe Pond	A.& B. Delorey
11-04	20	Sandwich	Whiteface Intervale	T. Vazzano, R. Ridgely
11-04	50	Berlin	Hutchins St. bark piles	K. Dube
11-10	22	Rye	Rye Town Beach	A.& B. Delorey
11-10	70	Rye	Wallis Sands Beach	H. Chary, J. Hills, R. Woodward
11-16	50	Seabrook	Seabrook Beach	A.& B. Delorey
11-19	44	Sandwich	fairgrounds	T. Vazzano
11-21	8	Sandwich	Sandwich fairgrounds	J. Williams
11-24	8	Rye	Odiorne Pt. St. Pk.	D. Donsker, A.& L. Maley, D. Green
Northern Cardinal				
10-13	1	Columbia	residence	D. Killam
Rose-breasted Grosbeak				
08-17	15	Pittsburg	Magalloway Rd.	E. Nielsen
08-19	3	Plymouth	Pine Gate Rd.	J.& R. Williams
09-03	6	Holderness	wetlands s. of Rt. 175A	J. Williams
09-09	14	Northfield	census route	P. Hunt
09-13	1	Columbia	residence	D.& B. Killam
09-15	3	Rye	Odiorne Pt. St. Pk.	A.& B. Delorey, BBC FT
09-30	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
Indigo Bunting				
08-08	7	Concord	Horseshoe Pond	R. Quinn
09-24	4	Durham	off Rt. 155A	S. Mirick
09-28	3	Durham	fields near Moore fields	S. Mirick
10-04	1	Durham	fields off Rt. 4	S. Mirick
10-05	1	Durham	near Moore fields	S. Mirick
10-12	1	Milan		R. Quinn
10-13	1	Hampton	parking lot off Rt. 101	S. Mirick
Dickcissel				
10-05	1	Durham	fields off Rt. 155A	S. Mirick
Bobolink				
08-21	30	Jefferson	Rt. 115A	K. Dube
10-04	2	Durham	fields off Rt. 4	S. Mirick
10-14	1	Durham	Moore fields	S. Mirick
Red-winged Blackbird				
10-11	500	Concord	Turkey Pond	R. Quinn
Eastern Meadowlark				
09-22	6	Chester	Hillside Haven	A. Delorey
10-12	10	Chester	Hillside Haven	A.& B. Delorey

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Rusty Blackbird				
08-17	11	Pittsburg	Magalloway Rd.	E. Nielsen
10-02	3	Littleton	St. Johnsbury Rd. beyond hospital	J. McIlwaine
10-06	6	Plymouth	Longview Farm, Quincy Rd.	B. Taffe
10-06	4	Northfield	census route	P. Hunt
10-08	17	Durham	off Rt. 155A	S. Mirick, J. Lawrence, J. Regan
10-12	10	Milan	Nansen Wayside Area	R. Quinn
10-14	3	Errol	Harpers Meadow	R. Quinn, Capital Area Chapter FT
10-14	7	Durham	Moore fields	S. Mirick
10-27	2	Derry	Ballard Marsh	A. Delorey, B. Goodwin
11-15	3	Kensington	Rt. 107 residence	G. Gavutis
11-17	5	Concord	Horseshoe Pond	R. Woodward
Common Grackle				
08-21	150	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-03	400	Concord	residence	R. Woodward
10-14	100	Laconia	Opechee Bay	P. Hunt
10-22	30000	Newmarket	Great Bay, Bay View Dr.	S. Mirick
10-29	75000	Portsmouth	Great Bog blackbird roost	S. Mirick
Orchard Oriole				
08-03	2	Kensington	Rt. 107 residence	G. Gavutis, Jr.
Baltimore Oriole				
08-19	12	Northfield	census route	P. Hunt
08-21	15	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-19	1	Chester	Hillside Haven	A. Delorey
10-19	1	Concord	Silk Farm WS	R. Suomala, J. Ayer
10-27	1	Concord	Silk Farm WS	M. Patten
Pine Grosbeak				
10-31	2	Jefferson	near Rt. 115 & 115A jct.	G. Gavutis, Jr.
11-02	2	Sandwich	Diamond Ledge Rd.	T. Vazzano
11-06	4	Berlin	Rt.16, NH Community Technical College	K. Dube
11-07	3	Tamworth	Tall Pines Rd.	J. H. Tewksbury
11-09	3	Hanover	Blueberry Hill residence	K. Kluge, T. Rosenmeier
11-11	14	Hopkinton	Dustin Rd.	N. Magoon
11-11	20	Plymouth		M. Patten
11-13	10	Strafford	West Province Rd.	S. Young, et al.
11-14	2	Concord	Silk Farm WS	C. Martin, S. Walker, M. Milligan
11-15	4	Holderness	Squam Lake, Piper Cove	C. Martin
11-16	6	Hanover	King Rd.	K. Kluge, T. Rosenmeier
11-16	20	Andover	Burbank West & Farm House dormitories	G. Row, A. McIntyre
11-18	6	Northfield	census route	P. Hunt
11-18	11	Plymouth	Beech Hill Rd.	J. Williams
11-26	11	Lempster	Goshen-Lempster Coop. School	P. Newbern
Purple Finch				
09-02	1	Rye	Star Is., Isles of Shoals	R. Suomala
09-22	24	Northfield	census route	P. Hunt
10-14	27	Northfield	census route	P. Hunt

<i>Date</i>	<i>#</i>	<i>town</i>	<i>location</i>	<i>observer(s)</i>
Red Crossbill				
10-25	1	Gilmanton	Crystal Lake, Gilmanton Iron Works	W. Arms
White-winged Crossbill				
08-11	2	Pittsburg	East Inlet Rd.	E. Nielsen
10-14	1	Errol	Eames Rd.	R. Quinn, Capital Area Chapter FT
10-28	2	Rye	Odiorne Point St. Pk.	M. Patten
11-01	2	Durham	Davis Court	S. Mirick
11-05	3	Epsom	Windermere Dr.	C. Ashley
11-06	2	Manchester Hill	Old Post Rd.	J. McIlwaine
11-09	2	Manchester		K. Dwyer
11-09	1	Boscawen	Forest Lane	M. Tremblay
11-18	1	Chester	Hillside Haven	A.& B. Delorey
11-20	2	Holderness	US Forest Service lot	J. Williams, S. Wingate, J. Turley
11-22	3	Danbury	Rt. 4, near Danbury/Wilmot line	G. Roe, A. McIntyre
11-29	10	Jefferson	Ingerson Rd.	M. Doune
Common Redpoll				
10-31	75	Whitefield	Hazen Drive	R. Quinn, T. Richard
11-02	40	Sandwich	Diamond Ledge Rd.	T. Vazzano
11-04	19	Tilton	Noyes Rd.	P. Hunt
11-04	600	Sandwich	various locations	T. Vazzano, et al.
11-05	40	Holderness	US Forest Service lot	J. Williams
Pine Siskin				
09-28	1	Kensington	Rt. 107 residence	G. Gavutis, Jr.
09-30	1	Rye	Odiorne Point State Park	S. Mirick, York County Audubon FT
10-19	6	Canterbury	Baptist Hill Rd.	R. Quinn
10-22	5	Gilmanton	Crystal Lake, Gilmanton I.W.	W. Arms
10-23	4	Durham	West Foss Farm	R. Suomala
10-27	7	Kensington	Rt. 107 residence	G. Gavutis, Jr.
10-27	5	Concord	Silk Farm WS	E. Masterson
10-28	20	Columbia	residence	D. Killam
10-30	12	Chester	Hillside Haven	A.& B. Delorey
11-15	11	Strafford	Lakeview St.	S. Young, et al.
11-23	4	Plymouth	Pine Gate Rd.	J.& R. Williams
Evening Grosbeak				
08-02	4	Albany	Bear Notch Rd., WMNF	J. Williams
08-15	8	Pittsburg	Indian Stream Rd.	E. Nielsen
09-03	13	Clarksville	near Crawford Brook	C. Foss, H. Nevers
09-19	6	Sandwich	Diamond Ledge Rd.	T. Vazzano
09-28	20	Hanover	near Dartmouth College	M. Patten
10-06	42	Northfield	census route	P. Hunt
11-02	25	Plymouth	Pine Gate Rd.	R. Williams
11-07	6	Chichester	Horse Corner Rd.	M. Reinhardt
11-14	3	Kensington	Rt. 107 residence	G. Gavutis
11-14	7	Gilsum	Hammond Hollow	M. Wright
11-15	4	Chichester	Horse Corner Rd.	M. Reinhardt

Fall Hawkwatch 2001

by Susan Fogleman

New Hampshire efforts were disappointing this year for a number of reasons. Some hills sent absolutely no data, and at other sites observers never stayed past 3 pm. It is well documented that some of the biggest flights are seen, and seen easily, in late afternoon, as birds descend to lower altitudes in search of evening roosts. Likewise, watchers on site early in the day can be rewarded with the truly magnificent spectacle of a “lift-off.” This awe-inspiring event occurs when kettles of Broad-winged Hawks have roosted in the vicinity the previous night.

Fewer hours were invested at all sites, with efforts well below 50% of those in recent times. This may be due to the retirement of one of the long-time site leaders, the illness of another site leader, and the heavy work schedule of a third. With increasing efforts yielding new and ever-more useful information at other northeastern sites, it seems unfortunate that New Hampshire, which, along with Connecticut, was in the vanguard of hawkwatching in the 1960s and early 1970s, is now lagging way behind.

Very big flights through New Hampshire were missed during Autumn 2001 simply because people did not cover their sites early/late or long enough from September 12-15. It is possible that the terrorist events may have had something to do with this, although watchers from other sites around the country found peace and solace on “their” hills and watchsites and therefore were on hand to record some big flights. Anecdotal reports from residents of a private property site in Plymouth (coupled with reports from Mt. Watatic in Massachusetts) indicate that there was a very big flight on September 12. There were “hawks by the hundreds and hundreds” swirling over the house in Plymouth that day. On September 13, Star Snyder investigated Teneriffe Mountain in Wakefield, a hill NNE of Blue Job. Between 9 a.m. and 3 p.m. EST she tallied over 1200 Broad-winged Hawks there. There was an excellent (although undocumented) flight on September 15 at Pack Monadnock (which included the state’s first Black Vulture seen at a watch site) and at Blue Job, which produced nearly 1100 hawks on that day.

The complete table of hawk totals from all sites is presented on page 36.

Only dedicated efforts will provide any meaningful data on hawk migration through our state. These data are useful to researchers documenting population trends in our birds of prey and may also shed light on other aspects of environmental health. For more information on hawk migration visit the Hawk Migration Association of North America (HMANA) web site (www.hmana.org). To learn more about regional watch efforts through NorthEast Hawk Watch, click on “Chapters.” Directions to Blue Job, Little Round Top, Mount Prospect, and Pack Monadnock can be found on the HMANA web site.

Susan Fogleman is the New Hampshire and Maine Coordinator for the Hawk Migration Association of North America and a board member of NorthEast Hawk Watch (NEHW).

New Hampshire 2001 Autumn Hawk Flight Data

Date		Hours	TV	OS	BE	NH	SS	CH	NG	RS	BW	RT	RL	GE	AK	ML	PG	UR	Total
9/1	Blue Job	6.5	4				2								3	2			11
9/2	Mount Tim	2.6			1						6				1	1		1	10
9/3	Mount Tim	4.8		1	1	1	5				19	4			2			4	37
9/4	Mount Tim	6			1	1	3				14	1			3			6	29
9/4	LRnd Top	4		7			5				15				1			5	33
9/5	LRnd Top	4		1			1				62				1			3	68
9/5	Prospect	2		1							3								4
9/6	LRnd Top	4	10								3						1	6	20
9/7	Mount Tim	4.25	1				2	1			17	2			1			1	25
9/7	LRnd Top	5.5	2	7			6				112	2			5			4	138
9/7	Prospect	2	1	1											1			1	4
9/8	Blue Job	7	4	1			7			1	8	4			7	2		3	37
9/8	LRnd Top	5	1	3			4				3							2	13
9/8	Prospect	3	4	2								1						2	9
9/9	LRnd Top	5	2	2	1		4				13				4		1	8	35
9/9	Prospect	2	1								15					1			17
9/10	Interlakes	5.5	9	3			9	1			23	1			6			3	55
9/10	LRnd Top	3.5	8	5	1						4				2			14	34
9/10	Prospect	2	2	1											2				5
9/11	Uncanoonuc	5.5		1			3				9	2						5	20
9/11	Interlakes	4.4	14	2			2	1			42	1						6	68
9/11	LRnd Top	4		1			7				7	3						6	24
9/12	Uncanoonuc	4	1																1
9/12	Interlakes	3.5	13				3	1			9	5						5	36
9/13	Teneriffe	6	2	1	2	1	1	1			1229	13			3	4		16	1273
9/14	Uncanoonuc	4	9	4			2				65								80
9/14	LRnd Top	2.5		2			1				152				1			1	157
9/15	Blue Job	8	8	13	4	2	33	3	1	2	958	10			12	4		6	1056
9/15	Uncanoonuc	6		1			1				133								135
9/15	LRnd Top	5.5	10	1			1				3	3			1			19	38
9/16	LRnd Top	3.5	6	1	2		1	1			5	1			1			22	40
9/16	Prospect	2		1							1								2
9/17	Blue Job	6	15	7			11				167	2			9	4	3		218
9/17	LRnd Top	3.25	2		1						3	1			1			14	22
9/17	Teneriffe	3					1				4	1				1			7
9/18	Uncanoonuc	3	8	1	2		3			5	8							6	33
9/18	Blue Job	6	11	2		2	4				112	3			5			4	143
9/19	Blue Job	5	2	2			5				3	7			2				21
9/19	Teneriffe	3					2				2	1				1		1	7
9/20	Teneriffe	2	4				5			1					3				13
9/23	Uncanoonuc	6		1			1				10								12
9/23	Blue Job	5	19	8			10			1	34				1			6	79
9/23	LRnd Top	6.25	12	10	1	1	13		2		80	2			8			31	160
9/24	Blue Job	4					2								1				3
9/26	Blue Job	4	8	10			7				45	4			1			2	77
9/27	Blue Job	4	8	3		1	4				90	1				1		1	109
9/29	Blue Job	5	22	2	2	2	23	1		1	19	7						15	95
Totals		193.95	219	109	18	11	192	10	3	11	3501	82	0	0	84	19	5	228	4513

TV — Turkey Vulture
 OS — Osprey
 BE — Bald Eagle
 NH — Northern Harrier
 SS — Sharp-shinned Hawk
 CH — Cooper's Hawk
 NG — Northern Goshawk
 RS — Red-shouldered Hawk

BW — Broad-winged Hawk
 RT — Red-tailed Hawk
 RL — Rough-legged Hawk (none seen)
 GE — Golden Eagle
 AK — American Kestrel
 ML — Merlin
 PG — Peregrine Falcon
 UR — Unidentified raptor

Blue Job Mountain, Strafford/Farmington
 LRndTop — Little Round Top, Bristol
 Interlakes Elementary School, Meredith
 Teneriffe Mountain, Wakefield (watch site on private property)

Mount Tim, Plymouth (private property)
 Mt. Prospect, Weeks State Park, Whitefield
 Uncanoonuc Mountains, Goffstown

Boreal Owls Nesting in New Hampshire

by Stephen R. Mirick

Written for publication in *Bird Observer*
and *New Hampshire Bird Records*

On the morning of Sunday, July 29, 2001, Rob Sawyer was hiking with his son near the summit of Mount Pierce in the Presidential Range of the White Mountains in New Hampshire when he came across an adult Boreal Owl perched along the side of the trail. He and his son approached to within ten feet of the bird several times while it flew short distances down the trail. The Sawyers watched the bird for about ten minutes. Fortunately, Rob reported the sighting, with a descrip-



Boreal Owl
by Stephen R. Mirick

tion of the bird and the exact location, to the Audubon Society of New Hampshire, and this information was then forwarded to the New Hampshire e-mail bird list.

Six days later, on August 4, I followed up on this report, with the slim hope of finding what would be an incredible summer record of Boreal Owl. Weighed down by a backpack stuffed with my tent, sleeping bag, food, tape recorder, flashlights, and my video recorder, I made the long hike up to the location where the bird was reported. During the afternoon, I searched the area but could not find any Boreal Owls. I did, however, get great looks at a family of Spruce Grouse and several Gray Jays, who enjoyed copious amounts of my trail mix. After a spectacular sunset through ominous clouds, I waited until dark. At about 9:00 p.m., after I played a taped call of Boreal Owl for about fifteen minutes, a *juvenile* Boreal Owl flew in and perched a short distance down the trail. As it hopped from branch to branch within thirty feet of me, I was able to get some great looks with a flashlight and tape a couple of minutes of nice video before a strong lightning storm moved in and forced me back to my tent. I did not see or hear any other owls other than this young bird. The bird was clearly a juvenile but was a strong flyer and starting to molt into an adult facial pattern. The habitat where I saw the bird was krummholz fir with a few spruce at about 4,100-foot elevation. Most trees were less than twenty feet high.

Subsequent searches over the next two weeks provided several other birders with observations of at least two juvenile Boreal Owls from this same location and one more sighting of an adult. A final report was received of an adult Boreal Owl in the same area on October 23.

Remarkably, this was not the only record for Boreal Owl this summer in New England. In Vermont, Brandt Ryder, Kent McFarland, Jim Tietz, and Al Strong had an adult Boreal Owl fly into a mist net while they were banding Bicknell's Thrushes! The bird was subsequently heard calling into mid-June on Stratton Mountain in Vermont;

continued on next page

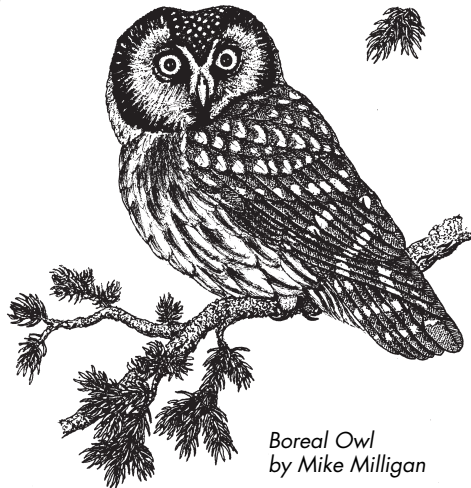
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however, searchers in July could not find a bird, and there was never any clear nesting evidence (A. Strong and K. McFarland, pers. comm.).

Boreal Owl sightings are quite rare in New Hampshire. In fact, according to *New Hampshire Bird Records*, there are only five records of Boreal Owl in the state since 1950 and only one record since 1970. All of these records occurred from late fall into early spring, and three of the reports were of the remains of dead birds. Elsewhere in New England, Boreal Owls are also quite rare or at least rarely encountered during migration and winter. Their quiet, nocturnal behavior and propensity to roost in dense evergreens makes their presence difficult to detect.

Historically, summer records of Boreal Owls are essentially nonexistent for New England. The known breeding range of Boreal Owl in eastern North America is limited to southern and central Quebec and northern New Brunswick and Nova Scotia. According to *The Atlas of Breeding Birds of the Maritime Provinces* (Erskine 1992), Boreal Owls have been confirmed nesting as far south as Grand Manan Island in New Brunswick during the 1920s and early 1930s, but have not been recorded there since. The only prior summer record for New England that I have found is for a bird near the summit of General Stark Mountain in Vermont on July 18, 1923 (Bent 1961). The New Hampshire sightings of two fledged juvenile Boreal Owls and at least one adult provides the first documented evidence for Boreal Owls nesting in the eastern United States.

The question now remains: is this nest record the result of an incursion of Boreal Owls from the previous winter, or have Boreal Owls always nested in small densities in the boreal forests of northern New Hampshire, Vermont, and Maine? Evidence from Quebec suggests that the fall of 2000 was an irruptive fall for Boreal Owls. At Tadousac, a banding station located along the St. Lawrence River a little over 100 miles northeast of Quebec City, 113 Boreal Owls were banded, according to *North American Birds* (Bannon et al. 2001). According to Samuel Denault (pers. comm.), this was



a record high and contrasts sharply with zero birds banded in the years 1997-1999! Judy Walker banded one Boreal Owl during the fall of 2000 at her owl banding station in Freeport, Maine, but according to Norm Smith (pers. comm.), none were captured by Danielle Smith at her owl banding station in Massachusetts. A Boreal Owl made a one-day appearance in downtown Boston on October 21, 2000; however, according to *North American Birds* (Ellison and Martin 2001), no subsequent winter records were reported anywhere in New England.

The nesting may just be a coincidental event, triggered by an incursion of owls and an abundance of food in northern New England. However, it also seems plausible that these birds have nested in northern New England all along, perhaps in low densities in deep stands of boreal forests. In fact, Gregory and Patricia Hayward, in *The Birds of North America* (1993), suggest that the Boreal Owl's nesting range probably extends into northern New England. The bird's secretive nocturnal behavior and inaccessible nesting areas make the species difficult to detect. Our knowledge of the nesting range of Boreal Owls in the central and western United States has also changed dramatically in the last forty years, with the discovery of overlooked populations in several states where the owl was not previously known to nest. These sightings from northern New England just add more pieces to the puzzle!

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Steve Mirick is the fall season editor for New Hampshire Bird Records and serves on the New Hampshire Rare Birds Committee. He currently lives on the shore of Great Bay in Newmarket, New Hampshire, and has been studying the birds of southern New Hampshire for the last 20 years.

Merlins... on the Move!

by Chris Martin

The Merlin (*Falco columbarius*) is the most recent diurnal raptor to be added to New Hampshire's list of breeding birds. Until the early 1990s, birders in the Granite State might only have anticipated seeing a Merlin during spring or autumn migration, or perhaps in the winter months along our immediate seacoast. But within the past 10-15 years, it has become a regular, although not yet common, breeder in Coos County, and a species that one might reasonably hope to encounter anywhere in the northern half of the state during the summer months.

Like Gyrfalcons and Peregrine Falcons, their larger cousins, Merlins are primarily bird-eaters, although they also consume their fair share of flying mammals and insects. Close inspection of a recently used Merlin nest, or the ground beneath one, will usually reveal the shredded remains of the wings of various bats and dragonflies!

Among their avian prey, Merlins tend to focus on smaller passerine birds, including the many warbler and finch species common to the boreal forest. Unlike their larger falcon relatives, however, they generally do not stoop on potential prey from great heights. Instead, they often hunt from exposed perches near open shorelines or ambush their prey in dashing, low-level flights and furious, tail-chasing pursuits. A Merlin's hunting repertoire actually combines the discriminating watchfulness of a peregrine, the stealthy weave of a Northern Harrier, and the flat-out speed of a Sharp-shinned Hawk.

Their distinctive flight pattern, with direct and rapid-paced wing strokes, seems particularly well-paired to their equally unique, high-pitched, trill-like "ki-ki-kee" call. They are often quite vocal on their breeding territories and can sometimes be prompted to reveal their presence because they do respond to playbacks of recorded vocalizations. Merlins also fiercely defend their nests against other raptors, even those much larger than themselves, including Great Horned Owls and even Bald Eagles!

The *Atlas of Breeding Birds in New Hampshire* noted several summer observations of Merlins in Pittsburg during the 1960s and 1980s. By the early 1990s, however, birders around the Connecticut Lakes in Pittsburg and Umbagog Lake in Errol were finding them annually during the summer months. Several reports of Merlins clutching prey and flying away from lakes or rivers on straight-line bearings into the forest provided strong, but indirect, evidence of breeding in the state.

Finally, in June 1994, the first active nest was located near the Magalloway River in Wentworth Location. The following year, 1995, at least three nests were found around Umbagog Lake alone. Summer sightings farther south during the latter 1990s, including in Dummer, Jefferson, and Conway, suggested a Merlin population still on the move, pioneering new areas.

A southward-expanding population of a boreal forest raptor might not be what one would expect to see during a period of global warming, but it is perfectly consistent with a breeding population finally recovering from the negative effects of DDT, which affected all falcon species from the 1940s through the 1970s.

So where is the limit for Merlins as they expand their breeding range southward in New Hampshire? Who knows? The White Mountain Region appears to offer them plenty of available habitat. They don't tend to shy away from areas that have moderately high levels of human activity, either. In fact, abandoned American Crow nests are among their most preferred nesting sites, and crows, of course, favor suburban neighborhoods and farm country as well as unbroken



Merlin
by Iain MacLeod

forests. Remarkably, in the prairies of central Canada, Merlins have moved right into cities, taking advantage of the unusually high density of House Sparrows as food and a nearly unending supply of nesting sites provided by crows.

Where will we be finding Merlins breeding in New Hampshire 20 years from now? We will just have to let the birds, and time, determine that for us. In the meantime, however, just consider the following sample of locations where birders have found or strongly suspected Merlins to be nesting since the 2000 breeding season: Riverside Cemetery in Plymouth (pair with fledged immatures in late summer 2001, pair present March 2002), Dartmouth Golf Course in Hanover (nest with five young in 2001), behind a sporting goods store on Main Street in Errol (male delivering prey to defensive female in 2001). With these and other sightings, *New Hampshire Bird Records* reporters are helping to document their expansion.

- From extreme northern New Hampshire in the early 1990s to Plymouth and Hanover in the first few years of the new century: is it really that far-fetched to think that we might find Merlins breeding in Moultonborough, Concord, and Claremont by 2010, and in Durham, Nashua, and Keene before 2020?

Merlins... they're on the move!

Chris Martin is a Senior Biologist for the Audubon Society of New Hampshire and has an active interest in raptors.

Finding Kittiwakes in New Hampshire

by Alan Delorey

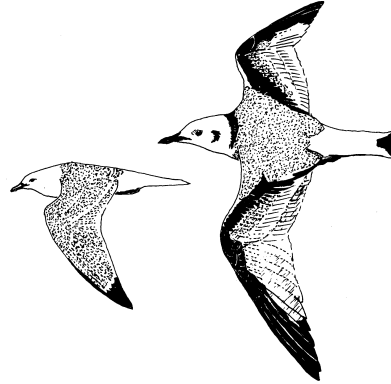
The Black-legged Kittiwake is a largely pelagic gull when away from its North American nest sites in Alaska and Canada. It is fairly common well offshore in New Hampshire from November through April. Yet there are few offshore boat trips in the winter months, and who would want to take an offshore trip then, anyway? So what is an intrepid birder to do about adding a kittiwake to his or her state list? Wait for the kittiwake to come to you!

That is not as impossible as it sounds. Kittiwakes will follow fishing trawlers, along with other gull species, in pursuit of a free meal. When New Hampshire fishing trawlers return from offshore waters, an entourage of gulls, including a few Black-legged Kittiwakes, will often accompany the boat back to its port. This provides the land-based birder with a golden opportunity to see kittiwakes from shore under favorable observation conditions.

There are a few different ports in New Hampshire with active fishing fleets. These include Seabrook Harbor, Hampton Harbor, Portsmouth Harbor, and Rye Harbor. For both Seabrook and Hampton Harbors, you can observe from Hampton Beach State Park at the mouth of the Hampton River. For Portsmouth Harbor, you can observe from Odiorne Point State Park in Rye or Great Island Common in New Castle. My favorite spot to observe from is Rye Harbor State Park on Ragged Neck, right at the mouth of the Harbor. Whatever location you choose, it is important that you be right on the edge of the ocean, since the kittiwakes usually turn away when they approach the shoreline and do not follow the boat into the harbor.

The fishing boats often set sail early in the morning and return around noontime with their catch. If you stake out the harbor at midday, you may be rewarded with a cloud of gulls following a boat back to shore. Your only remaining problem is to identify the kittiwakes.

A Black-legged Kittiwake is a small, slightly built gull, smaller than a Ring-billed Gull. I start by looking for a small gull that is just a little larger than a Bonaparte's Gull. The adult Bonaparte's Gull has white outer primaries and a white line extending all the way across the front edge of the wing that contrasts with the gray mantle. The kittiwake lacks this contrasting white area. Adult kittiwakes in winter have black triangular wing tips, a smudge on the back of the neck, and a small yellow bill. Immature kittiwakes have a prominent black neck collar, a dark "M" pattern on the upper wing, and a black bill. An immature Bonaparte's has a similar wing pattern to an immature



Black-legged Kittiwake
(l) adult, (r) immature
by Iain MacLeod

Kittiwakes — continued on page 47

Can You Identify This Bird?

photo by Stephen R. Mirick



Answer in the next issue of *New Hampshire Bird Records*.
For the answer to the Summer 2001 photo quiz — turn the page.

Answer to the Summer 2001 Photo Quiz



by David B. Donsker

A bird swimming on the surface of the water. We have put you at a bit of a disadvantage by not divulging on which body of water this bird was photographed...Lake Winnepesaukee, Powderhouse Pond, Jeffrey's Ledge? Habitat, of course, is a major clue to any bird's identity, but the visual

clues of this well-photographed bird are sufficient to lead us to the proper identification.

There are a limited number of orders and families of birds whose members float or swim on the surface of the water. In our region, this is limited to loons, grebes, tubenoses (petrels and their allies), cormorants, gannets, ducks and geese, coots and gallinules, phalaropes, jaegers and skuas, gulls and alcids.

Other than its swimming behavior, what do we notice about this bird? It is rather strongly patterned, with a distinct dark cap set off by a white collar from its somewhat less dark, scaly back. There is a hint of white at the base of the tail, which just peeks out from under the folded wings. The underparts are generally white. The bill is dark and thin, with a slightly hooked tip. The bill looks a little thicker at its base than the rest of its length. It is relatively long-winged, as can be seen by the tips of the folded wings extending beyond the tail.

Body shape and configuration help us to exclude a number of possibilities at immediate glance. This bird lacks the dumpy, bobbing-cork shape of our alcids or the delicate form of the phalaropes, our only swimming sandpipers. The rather short neck eliminates geese, swans, and both of our species of cormorant. Cormorants have rather uniformly dark upperparts as well.

Many of these groups can be quickly dismissed on the basis of bill shape alone. Our mystery bird lacks the saber-like bill of the loons and large grebes. All of our small grebes either have short, thin bills or conical, thick bills that are unlike the narrow dark bill featured by this bird. Conical bills are a characteristic feature of coots and gallinules as well. Gannets have huge, long, pale conical bills, almost like inverted dunce-caps. For that matter, the bill is entirely wrong for most of our duck species, which, with the exception of mergansers, have broad, generally flattened bills that are used for dabbling, mucking, or grazing. The fish-eating mergansers have long, narrow bills, but the females all have rather uniform brownish, crested heads and the males are either strongly crested or have fully dark heads, unlike the dark-capped rounded head of this bird.

This leaves gulls, jaegers and skuas, and tubenoses as possibilities. With its dark cap and dark bill, this bird cannot be any of our adult white-headed gulls. Juvenile and sub-adult large gulls lack the capped effect as well. The smaller black-headed gulls in our region have either entirely black hoods in breeding plumage or dark ear patches in non-breeding plumage. Non-breeding Laughing and Franklin's gulls retain a black nape and develop a white forecrown, much like a balding man, but never have the crisp dark cap shown by this individual.

With its dark cap and pale collar, this bird shows some resemblance to an adult light-phase jaeger. In jaegers, however, the collar is much broader and extends up over the lower nape. The cap is less evenly distributed over the crown, but is thicker and more prominent towards the front of the head. In addition, note the very pale feather edges of the upperparts of our bird. The upperparts of light-phase jaegers would be more evenly dark. Finally, in most situations, the adult jaegers show a long tail extension. The tip of the tail extends beyond the tips of the wings, the opposite situation that we see in our bird. None of the jaegers would show a white band at the base of the tail.

So this is one of our tubenoses. If you looked really closely at first, you might immediately have come to this conclusion, noting that the thickening at the base of the bill was due to the salt-secreting tubular nostril that characterizes this order of birds. Our bird is certainly not one of the diminutive, tiny-billed storm-petrels nor a heavy-billed, giant albatross that occasionally reaches our waters. Northern Fulmar, in either its pale or dark phase, has much more uniform plumage and lacks a dark cap and pale collar. Our small shearwaters, Manx and, hypothetically, Audubon's, have uniform, very dark upperparts. Of our three medium-size shearwaters — Sooty, Cory's, and Greater-Sooty resting on the water would look uniformly dark. Cory's Shearwater, much like our photographed bird, is darkish above and white below and may have a white band at the base of the tail. However, Cory's Shearwater can be identified, even at a distance, by its heavy pale bill. It is also more uniformly patterned above and lacks the contrast between the cap and the rest of the upperparts that our bird shows.

There you have it. Our bird is a Greater Shearwater. Although you are more likely to encounter this species on the open ocean as it flies with fast stiff wing beats, low over the waves, it is frequently seen resting on the surface of the water, particularly when it attends fishing vessels or charter boats, chumming seafood as it picks scraps from the surface of the water. In flight, Greater Shearwater can be recognized by its dark cap, white nape, and scaly upperparts. The white crescent at the base of the tail is usually present but is variable in its extent. Unlike Cory's Shearwater, which has clear, white underparts and underwings, Greater Shearwater has dark markings on the underwing and a dark belly patch. The latter is often difficult to see but is diagnostic when observed.

Greater Shearwaters breed on remote islands in the South Atlantic Ocean during the austral summer. After breeding, they disperse to the North Atlantic, first crossing to the coast of South America and gradually progressing northward. They generally arrive in New England waters in June and leave by November. On their return, they fly eastward towards the coast of Western Europe (although few come close to land), thus completing a clockwise circuit of the North Atlantic. Although its breeding sites are confined to only four islands, it is an abundant species with at least eight million breeding pairs worldwide. Unlike Cory's Shearwater, which prefers warm water, Greater Shearwater is a cold-water species in both its choice of breeding and non-breeding distribution. It is a surface feeder that catches small fish, crustaceans, and squid on the surface of the water or in shallow plunge dives.

This individual was photographed in August 1985 by Mary Carr, who was an Audubon Society of New Hampshire staff member at the time.

Bird Research: Studying Bird Migration through Franconia Notch

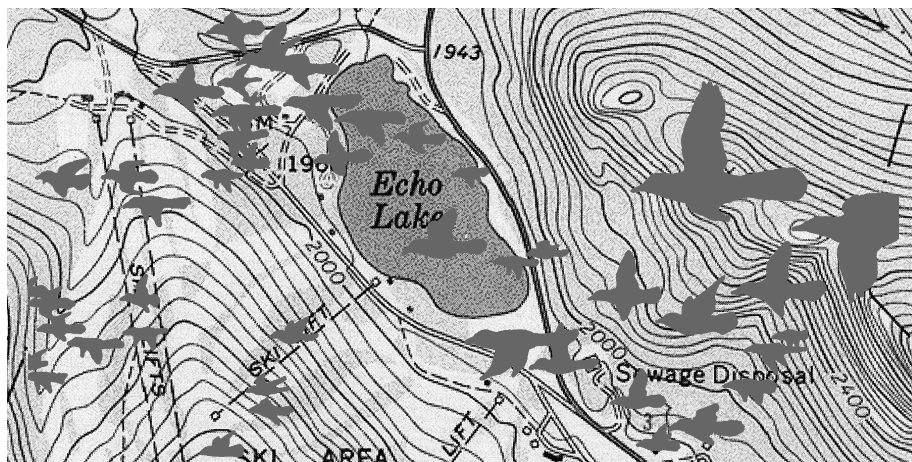
by Susan Story Galt

Birds migrate. We know this for sure, because we see it happen with our own eyes each spring and fall. We assume that BIRDS know how and when and where to go, but migration sometimes seems like a mystery. However, the specifics of “how do they know what to do” are very much an object of study in the bird world.

In the fall of 1998, Timothy and Janet Williams from Swarthmore College made a major study of autumnal migration in the area of Franconia Notch, New Hampshire. The Williams and a team of seven students spent two months studying broadfront movements of migrants. Using high-resolution radar and a ceilometer (a light beam) at night and making simultaneous daily censuses of birds at several sites in a variety of habitats, they tracked the movements of forty-two species of passerines and two species of woodpeckers.

Their previous radar studies in New England had shown that Neotropical migrants moved through the area on a south-southeast route to Central and South America, and North American migrants moved southwest parallel to the coastline. The team theorized that if the birds flew in a fixed compass direction, which had been shown in laboratory studies, they would move as a wave up and over the mountains. If, on the other hand, the research found major differences in the course of birds in the valleys and over the mountains, birds must have more complex orientation systems. What they confirmed was that birds traveling “at lower elevations appeared to be influenced by local topography.” Indeed, birds appeared to deviate their flights in order to follow local topography through Franconia Notch.

“The important message is that the migration patterns are complex and do seem to follow the contours of the mountains and valleys in some cases. This is the first evi-



dence for topographic orientation by night-migrating birds in the U.S. Birds also seem to concentrate along the ridge lines under some weather conditions,” Dr. Timothy Williams explains.

In a follow-up study done in 1998, the researchers investigated whether the same migration patterns were true in the Lincoln/Kancamagus area as in Franconia. The second study confirmed that the patterns were the same.

Siting the movable radar proved to be one of the hardest parts of the study. Locating radar in the mountains is “somewhat of an art,” according to Dr. Williams. Because of the huge echoes from the mountains, the radar beam must be set to skim just above the hills in order to detect migrant birds in flight. After preliminary runs with the radar, the team was satisfied with the radar sites chosen.

Dr. Williams is hopeful that the results of these studies, which show the behavior of nocturnal migrants in mountainous areas, will provide much-needed information for decision-making as alpine areas are increasingly developed in North America for projects such as wind-powered electrical generators and communication towers. The Town of Franconia already has used the information to develop its regulations for towers. Undoubtedly, research will continue to add to this important work.

Kittiwakes — continued from page 42

kittiwake but has a black line along the trailing edge of the wing, a less prominent “M” pattern on its wings, and lacks the prominent neck collar.

As soon as the enhanced feeding opportunity is over, kittiwakes usually head back out to sea. Thus, you may have only a few minutes to observe them, but that should be ample time for satisfying looks. A spotting scope will improve your view and help you to see all of the field marks.

Alan Delorey is a former season editor of New Hampshire Bird Records, the author of A Birder’s Guide to New Hampshire, and a member of the state Rare Birds Committee.

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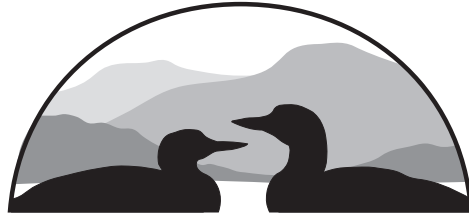
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Abbreviations Used

ASNH	Audubon Society of NH	Rd.	Road
BBC	Brookline Bird Club	Rt.	Route
BBS	Breeding Bird Survey	SF	State Forest
CA	Conservation Area	St. Pk.	State Park
CC	Country Club	SPNHF	Society for the Protection of NH Forests, Concord
FT	Field Trip	T&M	Thompson & Meserves (Purchase)
L.	Lake	WMA	Wildlife Management Area
LPC	Loon Preservation Committee	WMNF	White Mountain National Forest
NA	Natural Area	WS	ASNH Wildlife Sanctuary
NHBR	New Hampshire Bird Records	~	approximately
NHRBC	NH Rare Birds Committee		
NWR	National Wildlife Refuge		
R.	River		

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