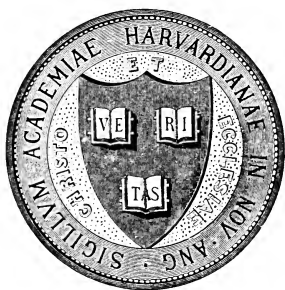


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CAMBRIDGE, MASS.

# Birds of Springfield Massachusetts and Vicinity

By

Grace Pettis Johnson

Springfield Museum of Natural History  
Nineteen Hundred and Eleven

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CAMBRIDGE MASS

JUL 21 1920

Mr William Brewster

Regards of  
Robert S. Morris

# MIGRANTS

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*Do not* make *final* identification from these incomplete descriptions, which are only intended to *suggest* what a species may be. See full description in some good bird book. These apply generally to full-plumaged male—female usually duller.

## CHARACTERISTIC MARKS, MOTIONS, OR NOTES

Bittern .....	Streaks of black and buff on neck; long yellow bill; spread brown wings tipped with black.
Blackbird, Red-winged.....	Black; scarlet on bend of wing.
Blackbird, Rusty.....	Feathers glossy black or with rusty tips; eye pale yellow or white.
Bluebird .....	Blue; breast russet.
Bobolink .....	Black; nape buff; rump whitish.
Bunting, Indigo.....	Rich blue; deeper on head.
Catbird.....	Slaty; black cap; under tail coverts rufous.
Chat, Yellow-breasted.....	Throat and breast rich yellow; belly white; above olive brown; eyelids, line over eye and another under the cheek, white.
Cowbird .....	Black; head, neck and breast seal brown.
Cuckoo, Black-billed.....	Under mandible black; small white tips on dusky tail feathers.
Cuckoo, Yellow-billed.....	Under mandible yellow; large white spots on blackish tail feathers.
Dove, Mourning .....	Tail wedge-shaped, tipped with white.
Duck, Black.....	Generally dusky; under sides of wings silvery.
Duck, Wood.....	Bright iridescent colors; long purple crest; throat white; much white underneath.
Finch, Purple.....	Much rose red, brighter on head, rump and throat.
Flicker, Northern.....	Rump white; shafts and under sides of wings and tail yellow.
Flycatcher, Alder.....	Song, "Quidee," <i>cc</i> marked.
Flycatcher, Crested.....	Belly sulphur yellow; tail reddish when spread.
Flycatcher, Least.....	Its quick song "Chebec"; wing bars ash white.

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# MIGRANTS

AVERAGE date of arrival in Springfield and vicinity		From observations for	BREEDS	FREQUENCY	AVERAGE SIZE Measurements in inches and hundredths	RECORDS	RECORDS
			Saying that a species breeds here, does not mean <i>only here</i>	Sp. = Spring S. = Summer A. = Autumn W. = Winter			
Apr. 20	7 yrs.	Here	Here	Fairly common	28.00	.....	.....
Mar. 11	10 yrs.	Here	Here	Common	9.50	.....	.....
Apr. 5	9 yrs.	Here	Here	Common	9.55	.....	.....
Mar. 5	10 yrs.	Here	Here	Common	7.01	.....	.....
May 9	10 yrs.	Here	Here	Common	7.25	.....	.....
May 13	10 yrs.	Here	Here	Common	5.59	.....	.....
May 6	9 yrs.	Here	Here	Common	8.94	.....	.....
May 18	1 yr.	Generally farther south	Generally farther south	Rare	7.44	.....	.....
Apr. 3	10 yrs.	Here	Here	Common	7.92	.....	.....
May 22	4 yrs.	Here	Here	Common	11.83	.....	.....
May 16	4 yrs.	Here	Here	Common some seasons	12.20	.....	.....
Mar. 29	8 yrs.	Here	Here	Locally common	11.85	.....	.....
Mar. 15	7 yrs.	Sparingly here	Sparingly here	Common	22.00	(winter)	.....
Apr. 4	3 yrs.	Here formerly	Here formerly	Rare	18.50	.....	.....
Mar. 30	10 yrs.	Here	Here	Common	6.22	.....	.....
Mar. 22	7 yrs.	Here	Here	Common	12.00	.....	.....
May 13	4 yrs.	Higher and farther north	Higher and farther north	Rare	6.09	.....	.....
May 15	7 yrs.	Sparingly here	Sparingly here	Locally common	9.01	.....	.....
May 4	10 yrs.	Here	Here	Common	5.41	.....	.....

# MIGRANTS

	CHARACTERISTIC MARKS, MOTIONS, OR NOTES
Flycatcher, Olive-sided.....	Tufts of yellowish feathers on flanks; no wing bars on adults.
Flycatcher, Yellow-bellied.....	Entire under parts yellowish; brightest on belly.
Goose, Canada.....	Head and neck black; white across throat; "Honk;" wedge-shaped flocks.
Grackle, Bronzed.....	Metallic bronze back without iridescent bars; long tail.
Grebe, Pied-billed.....	A diver; middle of throat black; sides of head gray; generally brownish.
Grosbeak, Rose-breasted.....	Breast rose red; much black and white.
Hawk, Cooper's.....	Brownish or grayish: tail rather long; crown blackish.
Hawk, Duck.....	Dark slate color above; throat white; black "mustaches."
Hawk, Marsh.....	Flies low in the open; upper tail coverts white; tail barred.
Hawk, Pigeon.....	Slaty blue above; rusty collar; streaked white below.
Hawk, Red-shouldered.....	Bend of wings and under parts reddish brown; dark tail has white bars and tip; circles in the air.
Hawk, Sharp-shinned.....	Slaty gray above; tail nearly square; primaries with blackish bars; glides.
Heron, Black-crowned Night..	"Quawk;" ash-gray wings and tail; black crown; white under parts.
Heron, Great Blue.....	Crown black with white center stripe; back and tail gray; wings gray, black edge.
Heron, Green.....	Wings greenish or bluish green; looks brown when flying; never in flocks.
Hummingbird, Ruby-throated..	The only hummingbird of Eastern North America.
Killdeer.....	Two black bands across breast; rump and base of tail cinnamon.
Kingbird.....	Tail black, broadly tipped with white; white under parts; gray above; flight steady.
Kingfisher, Belted.....	Bluish gray above, also breast band; white collar; crest often raised.
Kinglet, Ruby-crowned.....	Greenish gray above; crown patch flame colored; very active.
Martin, Purple.....	Shining blue black; wings and tail duller.
Meadowlark.....	Above brownish and black; outer tail feathers white; below yellow with black crescent.
Merganser, Hooded.....	Erect or backward crest; broad white patch with narrow black border extending back from eye.



# MIGRANTS

AVERAGE DATE OF ARRIVAL		BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS
May 17	3 yrs.	Sparingly here	Not common	7.39	.....	.....
May 19	4 yrs.	Higher and farther north	Fairly common	5.63	.....	.....
Mar. 25	10 yrs.	Farther north	Common Sp. and A.	35.00	.....	.....
Mar. 10	10 yrs.	Here	Common	12.00	.....	.....
Mar. 30	3 yrs.	Here rarely	Common Sp. and A. visitor	13.50	.....	.....
May 7	10 yrs.	Here	Common	8.12	.....	.....
Apr. 24	3 yrs.	Here	Fairly common	15.50	.....	.....
May 6	3 yrs.	Mt. Tom range	Rare	16.00	.....	.....
Mar. 15	9 yrs.	Here sparingly	Rare resident	19.00	.....	.....
May 6	1 yr.	Not recorded here	Rare Sp. and A. visitor	10.00	.....	.....
Mar. 12	5 yrs.	Here abundantly	Common	18.30	<i>Winter</i>	.....
Mar. 29	5 yrs.	Here occasionally	Common Sp. and A. visitor	11.25	.....	.....
Apr. 3	8 yrs.	Here in colonies	Common	24.00	.....	.....
May 1	8 yrs.	Farther north	Common	42.00	.....	.....
May 9	5 yrs.	Here	Common	17.00	.....	.....
May 11	9 yrs.	Here	Common	3.74	.....	.....
May 5	2 yrs.	Here occasionally	A rare summer resident	10.50	.....	.....
May 4	9 yrs.	Here	Common	8.51	.....	.....
Mar. 30	8 yrs.	Here	Common	13.02	.....	.....
Apr. 14	10 yrs.	Farther north	Common Sp. and A.	4.41	.....	.....
Apr. 15	5 yrs.	Here rarely <del>if at all</del>	Rare. Once common	8.00	.....	.....
Mar. 19	7 yrs.	Here	Common	10.75	.....	.....
Mar. 24	3 yrs.	Farther north	Common late A.	17.50	.....	.....

## MIGRANTS

	CHARACTERISTIC MARKS, MOTIONS, OR NOTES
Nighthawk .....	General effect dusky; broad white bars on wings and throat.
Oriole, Baltimore .....	Brilliant, much orange, with black and white.
Oriole, Orchard.....	Head, neck, throat, and upper back black; breast, belly, and lower back chestnut.
Osprey .....	Upper parts dusky; white on head, neck, and under parts.
Oven-bird .....	Above brownish olive; under parts white; center of crown light golden brown with black line border; breast spotted.
Pewee, Wood.....	Dark above; whitish below; two white wing bars.
Phalarope, Northern .....	Upper parts blackish streaked with buff.
Phoebe .....	Similar to Pewee, but no conspicuous wing bars; jerks tail.
Redstart .....	Generally black; salmon color on wings and tail.
Robin.....	Above grayish slate color; below rufous; lower belly white.
Sandpiper, Least.....	Smaller than next three; legs greenish yellow.
Sandpiper, Pectoral .....	Strictly a bird of grassy marshes; black upper tail coverts and rump have rusty tips.
Sandpiper, Solitary.....	Outer tail feathers white barred with black.
Sandpiper, Spotted.....	Everywhere marked with roundish dusky spots; in flight shows stripe on wings; "Teeters."
Sapsucker, Yellow-bellied .....	Crown and throat crimson, edged with black; broad white stripe from shoulder along edge of wing.
Snipe, Wilson's.....	Tail reddish brown barred with black; long bill.
Sparrow, Chipping .....	Black line behind eye, grayish line over it; crown reddish brown.
Sparrow, Field.....	Bill reddish brown, also top of head and back.
Sparrow, Fox.....	Upper tail coverts and tail bright reddish brown; heavily streaked under parts.
Sparrow, Grasshopper.....	Under parts buffy, unstreaked.
Sparrow, Lincoln's.....	Broad cream buff band across breast.
Sparrow, Savannah.....	Tail rather short; yellow line over eye.

# MIGRANTS

AVERAGE DATE OF ARRIVAL		BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS
May 12	9 yrs.	Here	Common	10.00	.....	.....
May 7	10 yrs.	Here	Common	7.53	.....	.....
May 15	5 yrs.	Here	Fairly common locally	7.32	.....	.....
Apr. 11	9 yrs.	Probably not here	Common	23.10	.....	.....
May 5	10 yrs.	Here	Common	6.17	.....	.....
May 16	8 yrs.	Here	Common	6.53	.....	.....
May 22	1 yr.	In Arctic latitudes	Accidental visitor	7.75	.....	.....
Mar. 22	10 yrs.	Here	Common	6.99	.....	.....
May 9	10 yrs.	Here	Common	5.41	.....	.....
Mar. 8	10 yrs.	Here	Common	10.00	(Winters) .....	.....
May 14	3 yrs.	Arctic regions	Common Sp. and A. visitor	6.00	.....	.....
Apr. 21	1 yr.	Arctic regions	Fairly common A. visitor	9.00	.....	.....
May 9	10 yrs.	Farther north	Common	8.40	.....	.....
May 3	10 yrs.	Here	Common	7.50	.....	.....
Apr. 14	7 yrs.	Farther north	Fairly common	8.56	.....	.....
Apr. 19	2 yrs.	Farther north	Common Sp. and A. visitor	11.25	.....	.....
Apr. 10	8 yrs.	Here	Common	5.37	.....	.....
Apr. 7	10 yrs.	Here	Common	5.68	.....	.....
Mar. 16	10 yrs.	Farther north	Common	7.26	.....	.....
May 9	8 yrs.	Here	Common	5.38	.....	.....
May 12	1 yr.	Higher and farther north	Rare	5.75	.....	.....
Apr. 15	10 yrs.	Rarely here	Common Sp. and A. visitor	5.68	.....	.....

# MIGRANTS

	CHARACTERISTIC MARKS, MOTIONS, OR NOTES
Sparrow, Song.....	Large spot in center of streaked breast.
Sparrow, Swamp.....	Crown rich reddish brown; streaked black forehead; back brown streaked with black; breast unstreaked.
Sparrow, Vesper.....	Outer pair of tail feathers mostly white, shows in flight.
Sparrow, White-crowned.....	No yellow before the eye; no well-marked white throat patch; crown black with white through center.
Sparrow, White-throated.....	Yellow line before eye; white throat patch; some white on crown.
Swallow, Bank.....	Brownish band across breast; tail only slightly forked.
Swallow, Barn.....	Forehead, upper breast, and throat chestnut; outer tail feathers long and narrow.
Swallow, Cliff.....	Forehead cream white; rump pale brick red; tail fan-shaped in flight.
Swallow, Tree.....	Under parts pure white; upper parts greenish blue.
Swift, Chimney.....	Entirely sooty brown. (Not a swallow.)
Tanager, Scarlet.....	Scarlet, with black wings and tail.
Thrasher, Brown.....	Above reddish brown; below white, much spotted; white wing bars; tail very long.
Thrush, Gray-cheeked.....	Above uniform olive; eye ring whitish; lores grayish; faint buff on sides of throat and breast.
Thrush, Hermit.....	Tail pale rufous and distinctly different from the back; lifts tail slightly after alighting.
Thrush, Olive-backed.....	Above uniform olive; eye ring deep cream buff; lores same and tinge of same on breast.
Thrush, Wood.....	Upper parts bright cinnamon brown, brightest on head; large round black spots on white under parts.
Towhee ... ..	Flanks chestnut; head, throat, wings, and tail black; wing feathers margined with white; large white spots on outer tail feathers.
Veery.....	Belly white with small wedge-shaped spots about color of back; sides with only faint tinge of grayish.
Vireo, Blue-headed.....	Top and sides of head bluish gray; eye rings and lores white.
Vireo, Red-eyed.....	Slaty gray; crown bordered on either side with blackish; conspicuous white line over eye.

# MIGRANTS

AVERAGE DATE OF ARRIVAL	BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS
Mar. 7 10 yrs.	Here	Common; some winter here	6.30	.....	.....
Apr. 12 2 yrs.	Rarely here	Locally common	5.89	.....	.....
Apr. 5 10 yrs.	Here	Common	6.12	.....	.....
May 15 7 yrs.	Farther north	Rare Sp. and A. visitor	6.88	.....	.....
Apr. 20 9 yrs.	Higher and farther north	Common Sp. and A. visitor	6.74	.....	.....
May 5 8 yrs.	Here	Common	5.20	.....	.....
Apr. 24 9 yrs.	Here	Common	6.95	.....	.....
May 12 6 yrs.	Here	Fairly common	6.01	.....	.....
Apr. 2 10 yrs.	Breeding here in increasing numbers	Common in late S.	5.90	.....	.....
Apr. 27 10 yrs.	Here	Common	5.43	.....	.....
May 10 10 yrs.	Here	Common	7.25	.....	.....
Apr. 27 9 yrs.	Here	Common	11.42	.....	.....
May 19 2 yrs.	Farther north	Rare	7.58	.....	.....
Apr. 12 10 yrs.	Higher and farther north	Common	7.17	.....	.....
May 16 9 yrs.	Higher and farther north	Common	7.17	.....	.....
May 7 9 yrs.	Here	Common	8.29	.....	.....
May 1 10 yrs.	Here	Common	8.35	.....	.....
May 9 10 yrs.	Here	Common	7.52	.....	.....
Apr. 27 8 yrs.	Here rarely	Common Sp. and A. visitor	5.61	.....	.....
May 12 10 yrs.	Here	Common	6.23	.....	.....

## MIGRANTS

	CHARACTERISTIC MARKS, MOTIONS, OR NOTES
Vireo, Warbling .....	Under parts white slightly washed with yellowish; first primary very short.
Vireo, White-eyed.....	Upper parts including upper tail coverts bright olive green; two distinct yellowish white wing bars; lores yellow.
Vireo, Yellow-throated.....	Breast bright yellow; above bright olive green, changing to gray on rump and upper tail coverts.
Warbler, Bay-breasted.....	Crown chestnut; throat, upper breast, and sides chestnut rufous.
Warbler, Black and White....	White streak through middle of black crown; streaked everywhere except on throat and belly with black and white.
Warbler, Blackburnian.....	Center of crown, over eye, behind ear coverts, throat and breast rich orange; much white on inner vanes of tail feathers.
Warbler, Black-poll.....	Crown black, white cheeks and wing bars.
Warbler, Black-throated Blue.	White spot at base of primaries on both sexes.
Warbler, Black-throated Green	Bright yellow cheeks and much white in tail.
Warbler, Canada.....	Necklace of black spots across the yellow breast.
Warbler, Cape May.....	Ear coverts rufous; large white patch on wing coverts.
Warbler, Chestnut-sided... ..	Sides chestnut; yellow crown.
Warbler, Golden-winged .....	Black throat and black eye patch separated by white stripe; crown yellow.
Warbler, Magnolia.....	Tail feathers with broad black tip; head ashy; many black streaks on yellow under parts.
Warbler, Myrtle .....	Yellow patches on crown, rump, and sides of breast.
Warbler, Nashville.....	Partially concealed chestnut patch in center of ashy crown; under parts bright yellow.
Warbler, Parula .....	Greenish yellow patch in middle of back; bluish black or rufous band across yellow breast.
Warbler, Pine.....	Olive green above; two whitish wing bars; below yellow, brightest on throat.
Warbler, Prairie.....	Reddish brown spots on olive green back; breast bright yellow with black streaks down sides.
Warbler, Tennessee.....	Under tail coverts white; pale yellowish olive below, without streaks; bright olive back and rump; no white wing bars.

# MIGRANTS

AVERAGE DATE OF ARRIVAL		BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS
May 7	10 yrs.	Here	Common	5.80	.....	.....
May 14	2 yrs.	Farther south	Very rare	5.27	.....	.....
May 7	10 yrs.	Here	Common	5.95	.....	.....
May 15	6 yrs.	Farther north	Usually rare	5.63	.....	.....
Apr. 28	10 yrs.	Here	Common	5.30	.....	.....
May 9	10 yrs.	Very rarely here if at all	Fairly common Sp. and A.	5.25	.....	.....
May 17	8 yrs.	Farther north	Common Sp. and A.	5.56	.....	.....
May 10	10 yrs.	Here sparingly	Common Sp. and A.	5.28	.....	.....
Apr. 30	10 yrs.	Here	Abundant	5.10	.....	.....
May 14	7 yrs.	Higher and farther north	Common Sp. and A.	5.61	.....	.....
May 14	4 yrs.	North of N. E.	Rare Sp. and A.	5.00	.....	.....
May 9	10 yrs.	Here	Common	5.14	.....	.....
May 19	2 yrs.	Very rarely here	Very rare	5.10	.....	.....
May 11	10 yrs.	Higher and farther north	Common Sp. and A.	5.12	.....	.....
Apr. 22	10 yrs.	Here rarely	Abundant Sp. and A.	5.65	.....	.....
May 8	10 yrs.	Rarely here	Common Sp. and A.	4.77	.....	.....
May 6	10 yrs.	Rarely here	Common Sp. and A.	4.73	.....	.....
Apr. 8	10 yrs.	Here	Common	5.52	.....	.....
May 15	4 yrs.	Here locally	Uncommon	4.75	.....	.....
May 19	5 yrs.	Farther north	Rare Sp. and A.	5.00	.....	.....

## MIGRANTS

	CHARACTERISTIC MARKS, MOTIONS, OR NOTES
Warbler, Wilson's .....	No wing bars or tail patches; above bright olive; yellow forehead; black crown; below bright yellow.
Warbler, Yellow.....	General color yellow; brown streaks on breast. In any plumage this bird may be known by yellow inner vanes of tail feathers.
Warbler, Yellow Palm.....	Under parts entirely yellow; chestnut crown; sides of throat, breast, and belly reddish brown streaks; wags tail.
Water Thrush .....	Below pale sulphur yellow, everywhere including throat streaked with black.
Water Thrush, Louisiana.....	White line over eye; below white tinged with cream buff; no streaks on throat and belly.
Waxwing, Cedar.....	Tail tipped with yellow; crest feathers long; shorter wing feathers often with red sealing-wax-like tips.
Whip-poor-will .....	General color dusky; white "corners" on tail.
Woodcock.....	Bill 2.90 inches; eye large; general color mottled brownish; cinnamon tinged flanks; tail black tipped with white.
Wren, House.....	Small size; brown unstreaked upper parts. Pert ways readily distinguish it from other small birds.
Wren, Long-billed Marsh... ..	Line over eye white; under parts white.
Wren, Short-billed Marsh....	Lower parts buffy, especially on sides; no distinct line over eye.
Wren, Winter.....	Pale brown or light tawny line over eye; narrow dark bars on wing and tail.
Yellow-legs.....	Frequents grassy marshes and mud-flats.
Yellow-legs, Greater .....	Distinguished from the preceding by its larger size. Basal half of tail white.
Yellow-throat, Maryland.....	Broad black line through eye; throat and breast bright yellow.



# MIGRANTS

AVERAGE DATE OF ARRIVAL		BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS
May 15	8 yrs.	Farther north	Rare Sp. and A.	5.00	.....	.....
May 7	10 yrs.	Here	Common	5.10	.....	.....
Apr. 14	10 yrs.	Far north	Common Sp. and A.	5.43	.....	.....
May 11	9 yrs.	Farther north	Common Sp. and A.	6.04	.....	.....
May 11	3 yrs.	Rarely here	Rare	6.28	.....	.....
Mar. 18	6 yrs.	Here	Generally common	7.19	.....	.....
May 9	8 yrs.	Here	Common	9.75	.....	.....
Mar. 31	5 yrs.	Here frequently	Regular Sp. and A. visitor	11.00	.....	.....
May 7	7 yrs.	Here <del>locally</del>	Uncommon	5.00	.....	.....
.....	.....	Near the coast	Common in autumn	5.20	.....	.....
May 12	1 yr.	Here <del>rarely</del>	Rare	4.00	.....	.....
Apr. 4	3 yrs.	Farther north	Rare winter resident; uncommon Sp. and A. visitor	4.06	.....	.....
May 6	1 yr.	Northern part of the interior	Rare Sp. and A. visitor	10.75	.....	.....
Apr. 30	1 yr.	About same as preceding	Rare Sp. and A. visitor	14.00	.....	.....
May 9	10 yrs.	Here	Abundant	5.33	.....	.....

*Formerly common*

## WINTER BIRDS

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Residents and visitants, not including some of the summer birds that only exceptionally spend the winter with us, or those that only rarely appear.

### CHARACTERISTIC MARKS, MOTIONS, OR NOTES

Bob-white; Quail.....	Back and wings chiefly reddish brown; throat white.
Bunting, Snow.....	The great amount of white distinguishes this species.
Chickadee.....	Black throat and top of head; cheeks white; often clings to twigs with head downward.
Creeper, Brown.....	Rump pale rufous; stiff tail feathers, sharply pointed. Flies down and creeps up tree trunks.
Crossbill.....	Tips of mandibles crossed. No wing bars.
Crossbill, White-winged.....	Two broad white bars on wing; mandibles crossed.
Crow.....	Size, color, voice, and habits distinguish this one.
Golden-eye.....	Spot below and in front of eye white; head black.
Goldfinch.....	Crown black; body bright yellow; wings and tail black spotted with white. In winter, above brownish olive; yellowish below; wings duller.
Goshawk.....	Slaty gray; black cap; white line over eye.
Grosbeak, Pine.....	Rose red; white wing bars; short stout bill.
Grouse, Ruffed.....	Drums, first slowly, then faster; black tail band.
Gull, Herring.....	See some full description.
Hawk, Red-tailed.....	Tail deep reddish brown.
Hawk, Rough-legged.....	Front of legs entirely feathered; under parts heavily marked; base of tail whitish.

# WINTER BIRDS

BREEDS Saying that a species breeds here, does not mean <i>only here</i>	FREQUENCY Sp.=Spring S.=Summer A.=Autumn W.=Winter	AVERAGE SIZE Measurements in inches and hundredths	RECORDS	RECORDS	RECORDS
Here	Permanent resident	10.00	.....	.....	.....
Arctic region	Irregular W. visitor	6.88	.....	.....	.....
Here	Common permanent resident	5.27	.....	.....	.....
Farther north	Common Sp. and A. migrant and W. visitor	5.66	.....	.....	.....
Occasionally here	Irregular W. visitor	6.19	.....	.....	.....
Farther north	Common some winters	6.05	.....	.....	.....
Here	Common permanent resident	19.30	.....	.....	.....
Farther north	Abundant Sp. and A., occasional W. visitor	20.00	.....	.....	.....
Here	Common permanent resident	5.10	.....	.....	.....
Farther north	Irregular W. visitor	22.00	.....	.....	.....
Far north	Irregular W. visitor	9.08	.....	.....	.....
Here	Permanent resident	17.00	.....	.....	.....
Atlantic coast north from Maine	Common W. visitor	24.00	.....	.....	.....
Here	Rare W. resident; abundant Sp. and A.	20.00	.....	.....	.....
Farther north	Common W. visitor	22.00	.....	.....	.....

*Common*

*Formerly*

## WINTER BIRDS

### CHARACTERISTIC MARKS, MOTIONS, OR NOTES

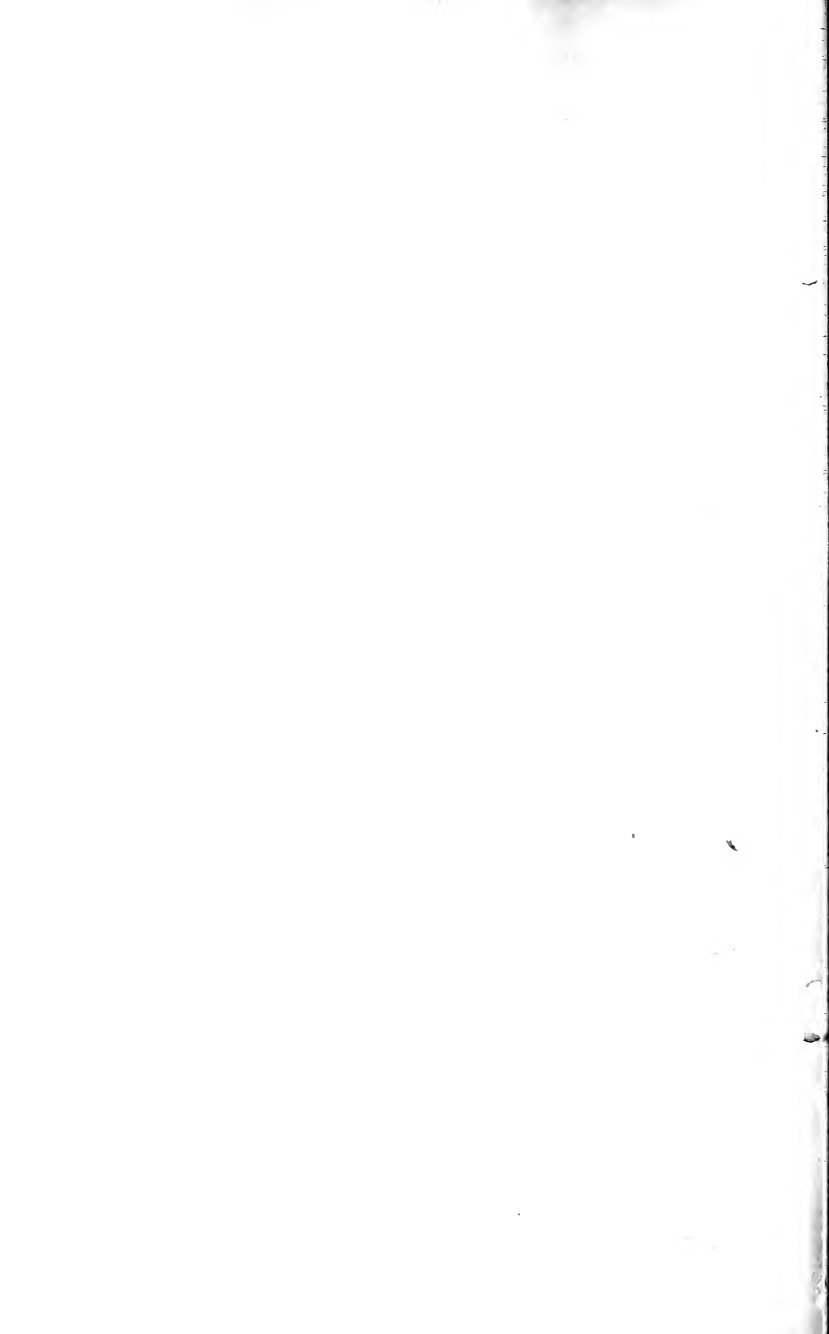
Hawk, Sparrow.....	Upper parts conspicuously reddish brown small.
Jay, Blue.....	Crest; wings and tail bright blue with white spots; size and bright color distinguish this species.
Junco, Slate-colored.....	Slaty gray above; belly white; two outer tail feathers and part of third white; breast slaty
Kinglet, Golden-crowned.....	Crown orange edged with yellow and black.
Lark, Horned.....	"Horns" and line from bill under eye, along sides of throat, and band across upper breast black; forehead, line over eye, ear, and throat yellow.
Merganser .....	No crest on hind head; entire under parts except neck, white.
Nuthatch, Red-breasted.....	Stripe through eye and top of head black below reddish brown; above grayish blue.
Nuthatch, White-breasted.....	Tail short and square; above grayish blue below white.
Owl, Great Horned.....	Collar across breast white; notice size.
Owl, Screech .....	Ear tufts on sides of head.
Owl, Short-eared.....	Yellowish brown above; very short ear tufts.
Redpoll .....	Middle of throat blackish; crown crimson.
Shrike, Northern.....	Generally grayish; forehead whitish; blackish stripe back of eye to base of bill.
Siskin, Pine.....	Wing feathers and all but middle tail feathers yellow at base.
Sparrow, Tree.....	Small black dot in center of otherwise unmarked grayish breast.
Woodpecker, Downy.....	Outer white tail feathers barred with black; smaller than the following.
Woodpecker, Hairy.....	Notice size; no bars on outer white tail feathers

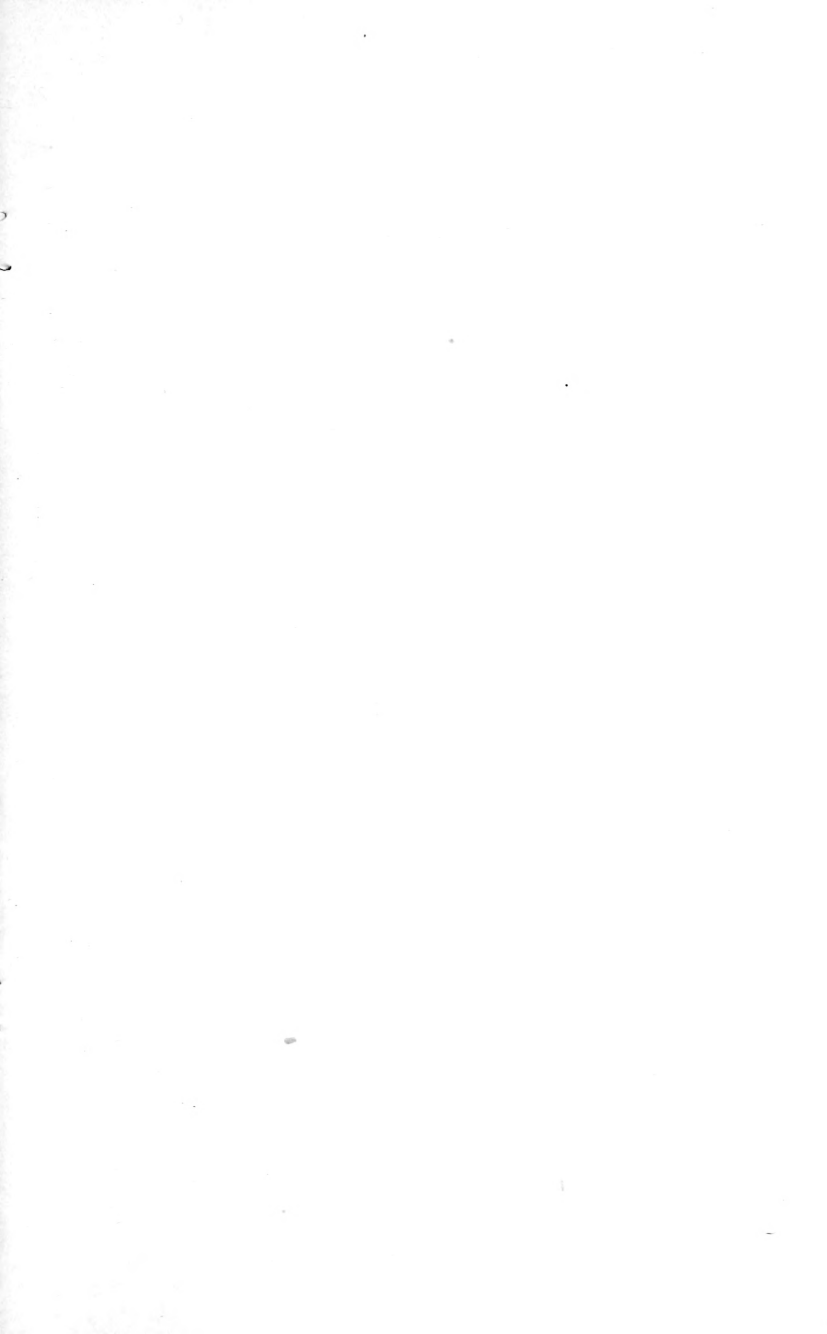
*Starling Here as a permanent resident*

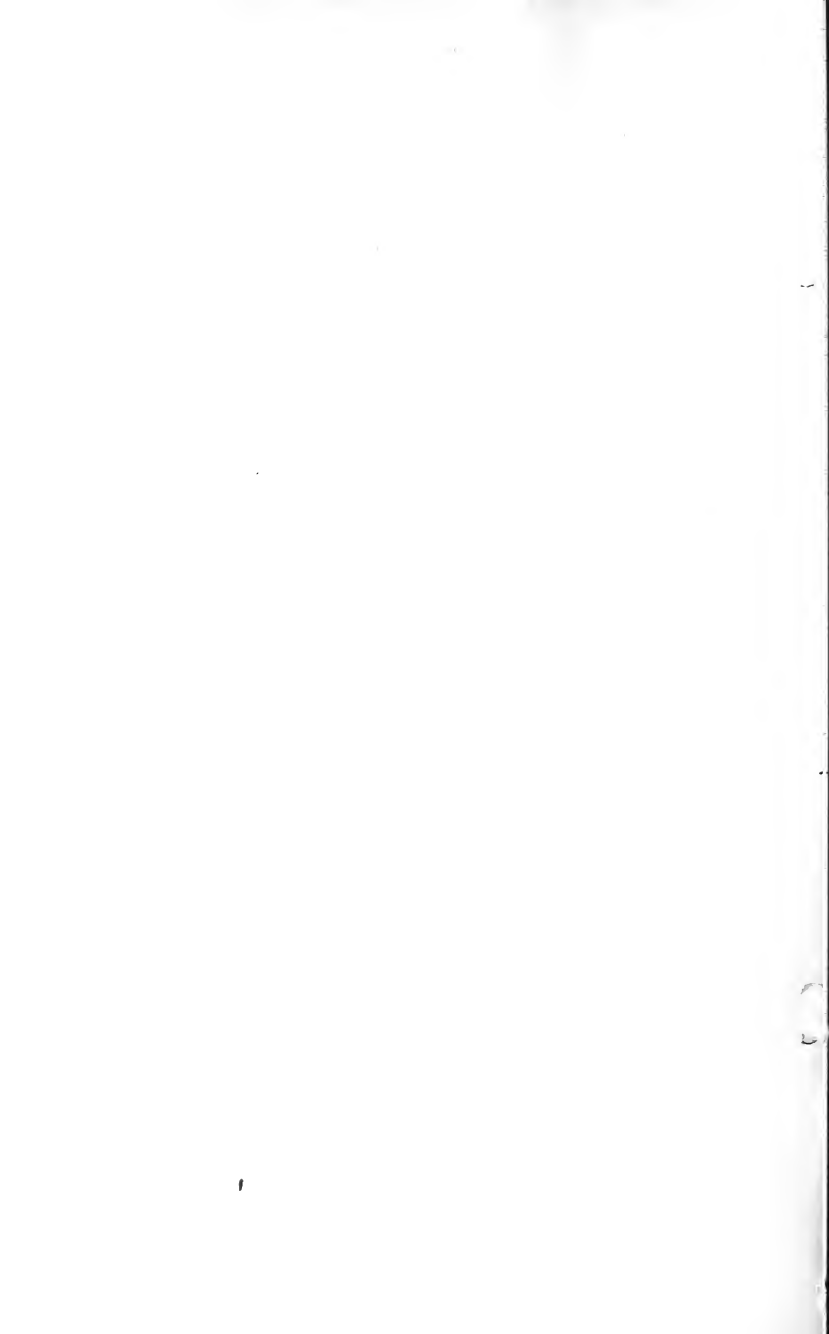
# WINTER BIRDS

BREEDS	FREQUENCY	AV'GE SIZE	RECORDS	RECORDS	RECORDS
Here	Permanent resident	9.50	.....	.....	.....
Here	Common permanent resident	11.74	.....	.....	.....
Farther north	Abundant Sp. and A. migrant; occasional W. resident	6.27	.....	.....	.....
Farther north	Common Sp. and A. visitor; W. resident	4.07	.....	.....	.....
Farther north	Rare Sp. and A. visitor	7.75	.....	.....	.....
Farther north	Most abundant of duck family on Conn. river and its tributaries from Nov. 15 to May 1	25.00	.....	.....	.....
Farther north and west	Fairly common migrant and irregular W. visitor	4.62	.....	.....	.....
Here	Common permanent resident	6.07	.....	.....	.....
Here	Common permanent resident	22.00	.....	.....	.....
Here	Common permanent resident	9.40	.....	.....	.....
Here occasionally	*Common Sp. and A. visitor	15.50	<i># formerly</i>	.....	.....
Farther north	Irregular W. visitor	5.32	.....	.....	.....
Far north	Common winter visitor	10.32	.....	.....	.....
Farther north	Irregular W. visitor	5.00	.....	.....	.....
Farther north	Common W. resident and in S. and A.	6.36	.....	.....	.....
Here	Common permanent resident	6.83	.....	.....	.....
Occasionally here	Uncommon S. and W. resident	9.40	.....	.....	.....

*are rapidly increasing numbers*

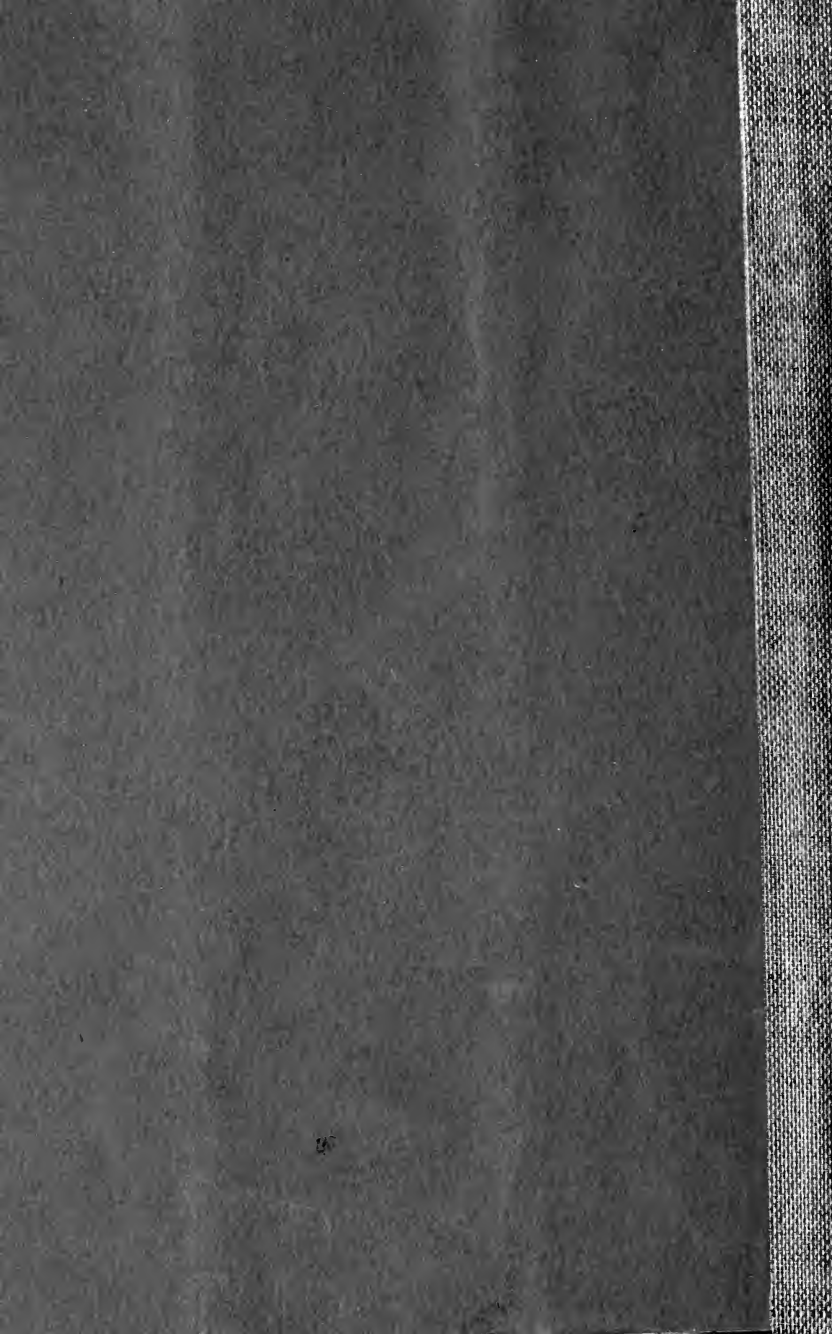












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