traps rather freely, and hence we may expect to learn more of it from that source. One wintering in Pennsylvania is a remarkable record. The number of winter Wrens banded at a single station this fall is surprising, though field observations show this species to have been unusually plentiful over a wide area. The striking economy in the nesting life of a bigamous House Wren is of interest, though it may contribute little really new to our knowledge of this bird. Generalizations from detailed records of a single southward migration of the White-throated Sparrow bring out several points which afford material for reflection, for instance adults and immature birds predominating in different waves of migration, adults in general coming first. J. T. N.

In regard to the darker coloration of some old male Juncos of life, repeated examples of Cohasset birds in at least their third winter plumage (returns-2 or returns-3) are noticeably darker than younger males. The rather broad brownish edgings to the secondaries are replaced by narrow and more grayish edgings, so that when the birds are at rest the wings appear of nearly uniform grayness, only slightly darker than the gray of the body. The gray of the head on such old males appears identical with that of the body feathers. In addition, the dark gray of the breast, on some birds at least, has become more extended posteriorly, and the darkening of the sides and flanks is especially noticeable. C. Le. W.

A PRELIMINARY LIST OF MIGRATORY SPECIES WHICH RETURN TO THE SAME WINTERING AREA

By WENDELL P. SMITH

As the title indicates, this is merely a preliminary list and no claim to inclusiveness, in regard to either species or banded individuals of the species named, is made. The purpose of the present paper is to call attention to some facts with the hope of stimulating further investigation by bird-banders.

Among the problems demanding solution may be mentioned the determination of the migratory status of several species such as the Hairy Woodpecker (*Dryobates v. villosus*), Downy Woodpecker (*Dryobates pubescens medianus*), Blue Jay (Cyanocitta c. cristata), White-breasted Nuthatch (Sitta c. carolinensis), and Chickadee (Penthestes a. atricapillus). Some evidence tends to prove these species partially migratory. For the Blue Jay, a number of records exist proving certain individuals to be migratory. This is also the case with the White-breasted Nuthatch. There are also records showing the residence of banded individuals of these species in the same locality throughout the year, and many banders believe those individuals which frequent their banding stations in winter to be permanent residents. If banders could operate traps during summer in the nesting habitat of these species, they might learn whether the individuals found there were identical with those visiting the trapping stations in winter, although the difference in the food-supply might render capture more difficult. Colored bands would perhaps afford an easier method.

For such species as the Tree Sparrow (Spizella m. monticola) and Slate-colored Junco (Junco h. hyemalis), a marked tendency to return in winter to the same area is noted. The Purple Finch (Carpodacus p. perpurcus) and the Goldfinch (Astragalinus t. tristis), show much less regularity. The two former species show a strong disposition to migrate in groups; the erratic wanderings of the two latter seem to defy all efforts to reduce to system, yet even they may yield something to long-continued investigation.

This leads us to consideration of the group habit, perhaps the most interesting problem of all. The classical illustration of this is the group of White-throated Sparrows (Zonotrichia albicollis) at Thomasville, Georgia, described by Mr. S. Prentiss Baldwin! During a period of five years this group, varying in number from six to twenty-one individuals and containing individuals of former years, returned to his station, frequenting a circumscribed area. Mr. L. B. Fletcher had a similar experience with Slate-colored Juncos? At his Cohasset station, of twenty-three individuals banded on the same day, six returned together one year later. Tree Sparrows show even higher returning ratios in some cases. A number of banding stations in the Northeastern States have had returning ratios varying from forty to sixty per cent, and one station at Westfield, Mass., 3 had a ratio of 84.61 per cent. A tentative

CThe Auk, Vol. X X XVIII, No. 2, pp. 228 (237).

⁵ The Auk, Vol. XLI, No. 2, pp. 327-333.

^{*} Bulletin of Northeastern Bird-Banding Association, Vol. 111, No. 2, pp. 37–39

solution of the problem presented by these facts is offered by Mr. C. L. Whittle¹ in the theory that the groups are of family origin; that the family organization may outlast the period of the young birds' inability to care for themselves and may provide the nucleus of the flocks of varying size which are common during migration, and that this unit may continue through the winter and the northern migration. Could this theory be firmly established, it would be a fact of great biological significance in that it might afford a constant factor for the many inconstant factors to work upon in the production of biological change. The final decision must rest upon the facts, and the latter must come through observa-Banders have here a wide field for investigation, and a field that, owing to the rather limited opportunities of winter as compared with other seasons, could be cultivated intensively.

There follow in tabular form the data collected regarding the return of banded birds to the same wintering area;

Species	Reported by	Δu .	Banded	Returned Sex
Blue Jay (Chambell) v. vristata) ² Evening Grosbeak (Hisporiphona v. vexper- tion	Clarence Bretsch Gary, Indiana George H. Priest Brockton, Mass.	221572 580598 27975	Nov. 10, 25 Apr. 27, 28 Apr. 23, 22	Jan. 2, 28 Feb. 10, 29 Mar. 15, 24
	Alice B. Pratt Middleboro, Mass.	10090	Apr. 27, '22 by G. H. Priest 17 miles distant	at Brockton,
	M. J. Magee	47381	Mch. 25, '23	
	Sault Ste Marie,	47400		Mch. 10, '25 0
	Michigan	47.4(8)	Apr. 1, '23	Apr. 8, '24 & Apr. 26, '26
		110564	Apr. 40, '23	Mch. 16, 24 9
		110565	Apr. 10, 23	Feb. 3, 20 0
		110500	Apr. 13, 23	June 1, 24 9
		110633	Meh. 27, '24	Dec. 8, 25 g
		110646	Apr. 7, '24	Apr. 5, 26 &
		212242	May 4, 24	Meh. 16, 25 8
	•	209827	Mich. 8, 25	Mch. 4, 27 9
		269850	Mch. 10, 25	Apr. 15, 26 9
		345010	Apr. 0, 25	Nov. 7, 27 9
		.,,,	11 10 m	Feb. 23, 224
•		331310	Nov. 16, '25	Feb 141, 26 e = 1 Meb 121, 27
•		331320	Nov. 16, 25	Apr. 45, '26 of
	1	331323	Nov. 17, '25	Feb. 17, 20 Apr. 5, 26 of Meh. 4, 27
				Feb. 1, '29

¹ The Auk, Vol. XL, No. 2, pp. 224-240.

^{*} The Auk, vol. AL, No. 2, pp. 223-240.

It is often a nice question whether to interpret the movements of Purple Finches, Eveaing Grosbeaks, and Blue Jays as erratic wanderings or as real migrations. That the most
northern nesting birds of the species as a rule regularly migrate southerly seems certain,
but it is less easy to describe the east and west movements of the Evening Grosbeak and
the Purple Finch, especially when such movements take place along Parallels of latitude
which also traverse their nesting-grounds. In general it is probably true that in the case
of many species the movements from the northern parts of their nesting-arises are time miggrations and that the winter movements in the southern next of their nesting-arises are grations and that the winter movements in the southern part of their nesting-areas are merely wanderings in search of food

Ryening Grosboak (Hesperiphona r. respection) Suit Ste. Marie, Sait St	Species	Reported by	No,	Banded	Returned Sex
Michigan Si31389 Nov. 25, 25 Feb. 27, 27 Si31371 Jan 5, 26 Meb. 43, 27 Si31371 Jan 5, 26 Meb. 25, 27 Si31371 Jan 5, 26 Meb. 10, 27 Si31371 Jan 5, 26 Meb. 25, 28 Si3138 Meb. 20, 27 Meb. 20, 28 Si3138 Meb. 20, 27 Meb. 20, 28 Si3138 Jan 10, 27 Meb. 20, 27 Si31371 Jan 5, 26 Meb. 10, 29 Si31371 Jan 5, 26 Meb. 10, 29 Si3138 Jan 10, 27 Meb. 20, 27 Si31371 Jan 5, 26 Meb. 10, 29 Si3138 Jan 10, 27 Meb. 20, 27 Si31371 Jan 10, 27 Meb. 20, 28 Si3138 Jan 10, 27 Meb. 20, 28 Si3138 Jan 10, 28 Meb. 20, 28 Si3138 Jan 20, 28 Meb. 20, 28 Si3138 Jan 20, 28 Meb. 20, 28 Si3138 Jan 20, 28 Meb. 20, 28 Si3138 Jan 2			331332	Nov. 24, '25	Apr. 21, 26 3 Jan 20 29
Santa Sant				Nov. 26, 25	Fob 97 97 3
Santa Sant				Dec. 8, 25	Meh. 1, 27
Savannah Sparrow (Paserenha sanduréhe- ennis austanna) William P Whartont				Jan 5, 26	Meh. 25, 27
Second Color Seco			-3.3 [.554	Mcn. 4, 20,	
Maching Mach				Apr. 23, 26	Apr. 10, 27
Marion Boggs Waynesville, N, C Marion Boggs Marion Boggs Marion Boggs Waynesville, N, C Marion Boggs Wayn				Meh. 6, 27	Feb. 29, 28
Asylin A	*			\$1.4. to ""	
				N1ab 20 27	Apr. 28, 28, 2
Savannah Sparrow William P. Wharton Summers dle, B. C. Colorado Col				3144 90 97	Feb. 2, 20 9
Section Sect				Ane 6 '27	May 3, 28 2
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Section Feb. 3, 28 Feb. 6, 16, 29 20 50, 271 Feb. 11, 28 Feb. 17, 29 50, 271 Feb. 11, 28 Feb. 17, 29 50, 271 Feb. 11, 28 Feb. 17, 29 50, 271 Feb. 10, 29 28 Feb. 13, 29 50, 273 Feb. 20, 28 Feb. 3, 29 50, 273 Meb. 28, 28 Feb. 3, 29 50, 273 Meb. 20, 20 Meb. 15, 27 Meb. 20, 20 Meb.				Jan 18, 28	1.1. 9 90
Sacration Feb. 14, 28 Feb. 7, 29 Feb. 14, 28 Feb. 7, 29 Feb. 14, 28 Feb. 7, 29 Feb. 14, 28 Feb. 13, 29 Feb. 14, 28 Feb. 13, 29 Feb. 14, 28 Feb. 14, 28 Feb. 13, 29 Feb. 14, 28 Feb. 14, 29 Feb				Feb 3 28	Maria da 1984 de
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Sayannah Sparrow William P. Wharton Summerville, S. C. A51906 Meb. 21, 26 Meb. 13, 29 Meb. 27, 28 Meb. 27, 28 Meb. 27, 28 Meb. 17, 29 Sayannah Sparrow (Passerenlas smelmen) Summerville, S. C. A51906 Meb. 21, 26 Meb. 13, 27 Meb. 20, 23 Meb. 21, 26 Meb. 14, 27 Meb. 20, 23 Meb. 21, 26 Meb. 14, 27 Meb. 20, 23 Meb. 21, 26 Meb. 15, 27 Meb. 20, 23 Jan. 23, 27 Meb. 20, 24 Jan. 13, 26 Meb. 15, 27 Meb. 20, 23 Jan. 23, 27 Meb. 20, 23 Jan. 23, 27 Meb. 20, 23 Jan. 3, 25 Meb. 20, 24 Jan. 3, 25 Meb. 20, 24 Jan. 3, 25 Meb. 20, 24 Jan. 3, 25 Meb. 20, 25 Jan. 6, 24 Jan. 3, 25 Meb. 20, 26 Jan. 6, 24 Jan. 3, 25 Meb. 20, 27 Jan. 6, 24 Jan. 3, 25 Jan. 6, 24 Jan. 20, 25 Jan. 16, 27 Jan. 16, 27 Jan. 16, 28 Jan. 16, 28 Jan. 17, 26 Jan. 16, 28 Jan. 17, 26 Jan. 16, 28 Jan. 17, 24 Jan. 30, 28 Jan. 30, 30 Jan. 3			582740	Feb. 14, 28	Feb 7, 20 7
Savannah Sparrow Pasarrulus sandurich ensis anemna) William P. Wharton Summerville, S. C. A51930 Meb. 21, '26 Meb. 13, '27 Meb. 26, '28 Meb. 14, '27 Meb. 21, '26 Meb. 15, '27 Meb. 21, '26 Meb. 14, '27 Meb. 21, '26 Meb. 15, '27 Meb. 21, '26 Meb. 14, '27 Meb. 21, '26 Meb. 15, '27 Meb. 21, '26 Meb. 15, '27 Meb. 21, '26 Meb. 15, '27 Meb. 21, '26 Meb. 12, '27 Meb. 23, '27 Meb. 29, '23 Jan. 23, '27 Meb. 29, '23 Jan. 13, '26 Meb. 15, '27 Jan. 15, '24 Jan. 16, '27 Jan. 16, '28 Meb. 15, '26 Meb. 29, '23 Jan. 16, '24 Jan. 16, '24 Jan. 16, '27 Jan. 16, '28 Meb. 15, '26 Meb. 29, '23 Jan. 16, '24 Jan. 16, '24 Jan. 16, '25 Jan. '16, '			582742	Teb 14, 28	- Fob. 12, 129 8., - Fob 3, 129 8.
Say				100 29 28 Mala 9 96	100 4, 29 C
Savannah Sparrow William P Wharton Summerville, S. C. A51930 Meh. 21, 26 Meh. 14, 27 Meh. 21, 26 Meh. 14, 27 Meh. 21, 26 Meh. 15, 27 Meh. 20, 23 Jan. 23, 27 Meh. 21, 26 Meh. 21, 26 Meh. 20, 23 Jan. 23, 27 Jan. 23, 27 Jan. 24, 23 Jan. 24, 24 J				Meh 28 28	15-16 3 200 2
Marion Boggs Waynesville, N. C. Waynesville, N.				\$ 4.00 PT 1.754	16-6 17, 29 7
Summerville, S. C. A519.30 Meb. 21, 26 Meb. 15, 127				- Mch. 20, [26]	Meh. 15, [27]
row (Zonodrichia albi- collis) Glenolden, Pa. Glenolden, Pa. 145068 Oct. 29, 24 Jan 13, 26, 145068 Oct. 29, 22 Jan 6, 24 145068 Oct. 29, 22 Jan 6, 24 145068 Oct. 29, 24 Jan 13, 26, 15607 Mch. 29, 23 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 23 Jan 23, 27 145068 Oct. 29, 24 Jan 24, 25 145068 Oct. 34, 24, 24, 24, 145068 Oct. 34, 24, 24, 145068 Oct. 36, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 27, 24, 145068 Oct. 27, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 27, 24, 25007 Jan 36, 25008 Oct. 26, 25008 Oct. 26, 24, 25008 Oct. 26, 26, 25008 Oct. 26, 25008 Oct. 26, 25008 Oct. 26, 25008 Oct.		Summerville, S. C.		Mch 21, 26	Meb. 14, 27
row (Zonodrichia albi- collis) Glenolden, Pa. Glenolden, Pa. 145068 Oct. 29, 24 Jan 13, 26, 145068 Oct. 29, 22 Jan 6, 24 145068 Oct. 29, 22 Jan 6, 24 145068 Oct. 29, 24 Jan 13, 26, 15607 Mch. 29, 23 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 22 Jan 6, 24 145068 Oct. 20, 23 Jan 23, 27 145068 Oct. 29, 24 Jan 24, 25 145068 Oct. 34, 24, 24, 24, 145068 Oct. 34, 24, 24, 145068 Oct. 36, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 27, 24, 145068 Oct. 27, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 26, 24, 145068 Oct. 27, 24, 25007 Jan 36, 25008 Oct. 26, 25008 Oct. 26, 24, 25008 Oct. 26, 26, 25008 Oct. 26, 25008 Oct. 26, 25008 Oct. 26, 25008 Oct.	White-throated Sings	John & Gillonnia		Nich 21, 26 Nov. 10 '93	McD 15, 27 Inn 25 26
145068 Oet. 29, 24 Jan. 13, 26 161224 Nov. 26, 22 Jan. 6, 24 65170 Meh. 29, 23 Jan. 6, 24 65176 Apr. 4, 23 Jan. 3, 25 65176 Apr. 4, 23 Jan. 6, 24 65176 Apr. 4, 23 Jan. 6, 24 65176 Apr. 4, 23 Jan. 6, 24 61244 Jan. 24, 23 Feb. 10, 24 61244 Jan. 24, 23 Feb. 10, 24 61247 Jan. 1, 26 Joe. 5, 26 192077 Jan. 16, 27 Jan. 16, 28 192171 Jan. 16, 27 Jan. 16, 28 107722 Oet. 18, 26 Feb. 2, 28 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Dec. 23, 28 192134 Jan. 30, 28 Dec. 23, 28 192134 Jan. 30, 28 Dec. 23, 28 192135 Jan. 30, 28 Dec. 23, 28 192136 Jan. 30, 28 Dec. 23, 28 192137 Jan. 16, 28 Nov. 2, 24 Nov. 30, 25 Jan. 10, 20 140779 Oet. 21, 24 Nov. 7, 25 117875 Oet. 3, 23 Nov. 27, 24 Nov. 30, 25 Jan. 10, 20 Nov. 20, 26 148862 Dec. 8, 24 Jan. 11, 26 140790 Oet. 21, 24 Jan. 25 Nov. 26, 26 148862 Dec. 8, 24 Jan. 11, 26 140790 Oet. 27, 25 Jan. 11, 26 140790 Oet. 27, 26 Jan. 9, 26 140790 Oet. 27, 25 Jan. 11, 26 165927 Oet. 27, 25 Oet. 27, 25 186619 Nov. 13, 26 Oet. 25, 27 186619 Nov. 13, 26 Oet. 25, 27 186619 Nov. 13, 26 Oet. 25, 27 186619 Nov. 13, 26 Oet. 27, 26 186619 Nov. 13, 26 Oet. 27			1211344	A04 10, 25	1 1912 1977
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Color Colo			61224	Nov. 26, '22	Jan 6, 23
Marion Boggs Waynesville, N. C.		•			
Marion Boggs Waynesville, N. C.			65170	Mch. 29, '23	Jan. 7, 24
61244 Jan. 24, 23 Feb. 10, 24 Jan. 21, 25 Jan. 5, 24 Jan. 20, 25 Jan. 1, 25 Jan. 1, 25 Jan. 1, 26 Jan. 1, 25 Jan. 1, 26 Jan. 16, 28 Jan. 10, 28 Jan. 10, 28 Jan. 10, 29 Jan. 16, 28 Ja					Jan. 3, 20
61244 Jan. 24, 23 Feb. 10, 24 Jan. 21, 25 Jan. 5, 24 Jan. 20, 25 Jan. 1, 25 Jan. 1, 25 Jan. 1, 26 Jan. 1, 25 Jan. 1, 26 Jan. 16, 28 Jan. 10, 28 Jan. 10, 28 Jan. 10, 29 Jan. 16, 28 Ja			65176	Ans. 4 '23	Inn 6 24
122977 Jan. 5, 24 Jan. 1, 25 167638 Jan. 1, 26 192071 Jan. 16, 27 Jan. 16, 28 167722 Oct. 18, 26 Feb. 2, 28 192119 Jan. 16, 28 Nov. 12, 28 192131 Jan. 30, 28 Doc. 23, 28 192134 Jan. 30, 28 Doc. 23, 28 192134 Jan. 30, 28 Feb. 3, 29 122391 Oct. 31, 23 Nov. 27, 24 Nov. 30, 25 Inc.				Jan. 24, 23	Feb. 10, 24
Marion Boggs 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 122391 Oct. 31, 23 Nov. 27, 24 Nov. 30, 25 24 Nov. 30, 25 25 25 25 25 25 25 25					4 (11) Lett. 20)
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Marion Boggs 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 122391 Oct. 31, 23 Nov. 27, 24 Nov. 30, 25 24 Nov. 30, 25 25 25 25 25 25 25 25	* · ·			Jan. 1, 26	Lance 144 Com-
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Marion Boggs 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 192134 Jan. 30, 28 Feb. 3, 29 122391 Oct. 31, 23 Nov. 27, 24 Nov. 30, 25 24 Nov. 30, 25 25 25 25 25 25 25 25			192119	Jan. 16, 28	Nov. 12, 28
Marion Bogge Waynesville, N. C. 122301 June		•		Jan. 30, 28	1717 200
Waynswille, N. C. 65619 May 2, '23 Dec 25, '24 Nov. 30, '25 Nov. 30,		Marion Born		Jan. 30, 28	Neo. 3, 29
63619 May 2, 23 Dec 25, 24 Nov. 30, 25 3an 10, 26 140779 Oct. 21, 24 Nov. 7, 25 117875 Oct. 3, 23 Nov. 17, 25 Nov. 19, 26 140801 Oct. 31, 24 Nov. 30, 25 117874 Oct. 22, 23 Dec 3, 25 Nov. 23, 25 Nov. 23, 25 148862 Dec. 8, 24 Jan. 11, 26 140790 Oct. 26, 24 Jan. 8, 26 148846 Nov. 6, 24 Jan. 8, 26 148846 Nov. 6, 24 Jan. 8, 26 122403 Dec. 1, 23 Jan. 11, 26 12503 Dec. 1, 23 Jan. 11, 26 126527 Oct. 27, 25 Oct. 28, 27 186619 Nov. 13, 26 Oct. 28, 27 186619 Nov. 13, 26 Dec. 8, 27 186619 Nov. 13, 26 Dec. 8, 27			122001	Oct. 31, 23	Nov. 30 125
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			65619	May 2, 23	Dec. 25, 24
140801 Oct. 31, '24 Nov. 30, '25, '25, '25, '26, '26, '27, '28, '29, '29, '29, '29, '29, '29, '29, '29					Nov. 30, 25
140801 Oct. 31, '24 Nov. 30, '25, '25, '25, '26, '26, '27, '28, '29, '29, '29, '29, '29, '29, '29, '29			140770	(164 91 94	Jan 10, 26
140801 Oct. 31, '24 Nov. 30, '25, '25, '25, '26, '26, '27, '28, '29, '29, '29, '29, '29, '29, '29, '29				Oct 3, 23	No. 17 25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$					Nov. 19, 26
18846 Nov. 6, 24 Jan. 9, 26 122403 Dec. 1, 23 Jan. 11, 26 165927 Oct. 27, 25 Nov. 26, 26 Oct. 28, 27 186619 Nov. 13, 26, 26, 26 35,1777 Nov. 26, 26, 26, 26				Oct. 31, 24	Nov. 30, 25
18846 Nov. 6, 24 Jan. 9, 26 122403 Dec. 1, 23 Jan. 11, 26 165927 Oct. 27, 25 Nov. 26, 26 Oct. 28, 27 186619 Nov. 13, 26, 26, 26 35,1777 Nov. 26, 26, 26, 26			117874		Dec. 3, 25
18846 Nov. 6, 24 Jan. 9, 26 122403 Dec. 1, 23 Jan. 11, 26 165927 Oct. 27, 25 Nov. 26, 26 Oct. 28, 27 186619 Nov. 13, 26, 26, 26 35,1777 Nov. 26, 26, 26, 26			148862	Dec. 8, '24	Jan 11, 26
18846 Nov. 6, 24 Jan. 9, 26 122403 Dec. 1, 23 Jan. 11, 26 165927 Oct. 27, 25 Nov. 26, 26 Oct. 28, 27 186619 Nov. 13, 26, 26, 26 35,1777 Nov. 26, 26, 26, 26				Oct. 26, 24	Jan 8, 26
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180019 Nov. 13, 20 Nov. 5, 27 351777 Nov. 26, '26 Doc. 6 '27	•			41, 41,	Oct. 28, 27
351777 Nov. 26, '26 Dec. 6, '27					Nov. 5, 27
to the same of the				Nov. 26, 26	Dec. 6, 27
140790 Oct. 22, 24 Dec. 9, 27		i i	1 (412/4)	1961, 22, 24	19ec. 9, 27

¹ Bulletin, N. E. B. B. A., Vol. 111, No. 4, p 107

Bulletin of the

Species	Reported by	No.	Banded	Returned Sex
White-throated Spar-	Marion Boggs	351778	Dan o On	Day 94 '97
row (Zonotrickia albi-	Waynesville, N. C.	148859	Nov. 20, 24	Dec. 28, '28 Jun. 17, '28 Nov. 24, '28 Jun. 8, '29
collec		186625	Nov. 20, 26	Jun. 17, 128
		501217	Oct. 24, 27	Nov. 24, '28
		571216 171602	Oct. 23, 27	Jan. 8, 20
	Cora M. Teot	17 1602	Nov. 7, 25	Feb. 40, 28
	New Haven, Conn.	132040	Nov. 20, '24 Nov. 20, '26 Oct. 24, '27 Oct. 23, '27 Nov. 7, '25 Dec. 24, '24	Jan. 8, 20 Feb. 10, 28 Dec. 5, 20
	•			1700 41 21
	W. P. Wharton	44657	Jan. 19, '26	
	Summerville, S. C.	44665	1 13.9 (131)	
		14669	Jun. 25, 26 Feb. 25, 26 Feb. 26, 26 Meh. 2, 26 Apr. 12, 26 Feb. 14, 26 Feb. 38, 96	Feb. 2, 27 Jan. 12, 27 Jan. 31, 27
		181112	Feb. 25, '26	Jan. 12, 27
		181114	Feb. 26, 26	Jun. 31, 27
		181124 181142	Mch. 2, 26	
		181105	Tob. 12, 20	Apr. 11, 27 Jan. 3, 28
		181120		Auc. 12, '28
		181111		Apr. 12, '28 Feb. 19, '28 Meh. 0, '28 Meb. 7, '28
		183811	Jan. 10, '27	Meh. 9, '28
		473787	Jan. 12, 27	Meb. 7, 128
		473802	Jan. 25, 27	Jan. 22, 28
		473806 473807	Jan. 29, '27 Jan. 29, '27	Jan. 17, 28 Jan. 17, 28
		173805	Jan. 29, 27	
		173812	Feb. 7, 27	Jan. 16, 28
		473813	Feb. 8, 27	Jun 20, 28
	W. P. Wharton	473805 473812 473813 473828	Apr. 13, 26 Jan. 10, 27 Jan. 12, 27 Jan. 29, 27 Keb. 7, 27 Keb. 8, 27 Meb 11, 27 Meb 10, 27 Meb 10, 27 Meb 10, 27 Meb 12, 27 Meb 24, 27 Meb	Jan. 16, 28 Jan. 20, 28 Meh. 6, 28 Meh. 9, 28 Meh. 5, 28 Meh. 8, 28 Jan. 2, 28
	Summervillé, S. C.	11.5720	Meh. 11, 27	Melc. 9, 28
		173833	Mch 16, 27	Meh. 5, 128
		173837 173843	Meh. 10, 27 Meh. 21, 27 Meh. 20, 27 Meh. 30, 27 Apr. 9, 27 Apr. 19, 27 Apr. 19, 27 Apr. 21, 27 Apr. 21, 27 Apr. 20, 27	Meh. 8, 28 Jan. 2, 28 Jan. 9, 28 Feb. 27, 28 Meh 16, 28 Feb. 16, 28 Feb. 19, 28 Apr. 27, 28 Apr. 13, 28 Apr. 16, 28
		173846	Mah. 97, 27	Jan. 2, 128 Jan. 9, 128
		17.35.15	Meh. 50, 27	Feb. 27, 28
	•	173855	Meb 30, 27	Meh. 16, 28
		173879	Apr. 9, 27	Feb., 16, 28
		473880	Apr 9, 27	Feb. 19, '28
		17/1872	Apr. 19, 27	Apr. 27, 28
		473875	Apr. 21, 27	Apr. 13, 28
	S. Prentise Baldwin	494889	Apr. 20, 27	Apr. 16, '28
	Charaland Ofice	Thom	as villa Garagi	
	Mary E. F. Hubbard	119811	Dec. 28, 23 Dec. 23, 24 Jan. 24, 25 Jan. 11, 25 Dec. 2, 24	Feb. 27, '25 Jan. 28, '26 Feb. 10, '26 Feb. 10, '26 Apr. 15, '26
,	New Haven, Conn.	132047	Dec. 23, '21	Jan. 28, '26
		245151	Jan. 24, 25	Feb. 10, '26
		148541	Jan 11, 25	Feb. 40, 26
		132048	Dec. 2, '24	Apr. 45, '26 Dec. 5, '26
		176806	Nov. 23, '25 Dec. 23, '24 Dec. 24,'24 Feb. 21, '25 Dec. 12, '24	Dec. 5, '26 Dec. 3, '26
		132053	Dec. 23, 24	Dec. 18, 26
		132049	Dec 24,24	
Tree Sparrow	Sudie B. Knox	A23551	Feb. 21, 25	Dec. 19, 26 Dec. 31, 25 Dec. 31, 25 Nov. 20, 26 Dec. 11, 25
(Spizella m. monticola) –	Westfield, Mass.	51857	Dec. 42, '24	Dec. 31, 25
				Nov. 20, '26
		A23554 163536	Meh. 3, 25 Nov. 1, 25	Nov. 18, 26
		A23574	Nov 2, 25	Dec. 3, 26
		A23574 A23575	A 11 101 *	Dec. 9, 96
		A49971	Nov. 7, 25	Nov. 26, '26
				Nov. 15 '97
		A49972	Nov. 17, '25	Nov. 11, 26
		A 19973	V 1. 10.	Nov. 13, 27
		A49974	Nov. 17, '25 Nov. 18, '25	Nov. 11, 26 Dec. 7, 26
				No. 93 97
		A49976	Nov. 18, '25 Nov. 18, '25 Nov. 18, '25 Nov. 18, '25	Nov. 19, 26
		$\Lambda 49977$	Nov. 18, '25	Nov. 19, 26 Nov. 18, 26
	* * * * * * * * * * * * * * * * * * *	A49978	Nov. 18, 25	Nov. 14, '26
		A49979	Nov. 18, '25	Nov. 7, '26

¹Bulletin of N. E. B. B. A., Vol. III, No. 1, pp. 9-10

Species	Reported by	No.	Banded	Returned Sex
Tree Sparrow	Budie B. Knox	A 10080	Jan. 8, 26	Nov. 18, '26 Nov. 19, '27 Nov. 11, '27 Jan. 4, '28 Doc. 24, '28 Jan. 24, '28 Jan. 11, '29 Jan. 23, '26 Doc. 23, '26 Nov. 23, '26 Nov. 23, '26 Nov. 23, '26 Nov. 23, '26 Nov. 23, '26
(Spisella m. monticola)	Westfield, Mass	A 400055	Jan. 22, '26	Nov. 19, 27 Nov. 14, 26
				Nov. 13, '27
		A 198806 A 50 4 5 1	Jan. 23, 26 Jan. 25, 26	Jan - 4, 28 Dec - 24, 26
	*	4.004.01	ann. 20, 20	Jan. 24, 28
				Jan 11, 29
		A50152 A50157	Jan. 29, 26 Feb. 6, 26	Jan. 31, 28 Nov. 24, 26
		1.071.17		Dec 27, 27
		A50459	Feb. 9, '26 Feb. 19, '26 Feb. 19, '26 Feb. 19, '26	Nov. 18, 26
		84818	Feb. 19, 26 Fab. 10 26	NOV. 12, 20 Nov. 12, 20
		84824	Feb. 19, 26	
				Meh 7, 28
		Vanion	Meh. 11, '26	I lasa - I da - Pta
	•	Abididi	Mch. 11, 26 Mch. 12, 26	Nov. 13, 27
		A teresen		Feb. 6, 29
		A56669 A56670	Meh. 12, [26] Meh. 12, [26] Meh. 15, [26] Meh. 21, [26] Meh. 22, [26]	Nov. 8, 26 Dec. 6, 26
		79427	Meb. 15, 26	Dec. 17, 26
		79440	Meh. 21, [26]	Feb 20, 27
		79443 79447	Meh. 21, 26 Meh. 22, 26 Meh. 28, 26 Anc. 2, 26	Nov. 21, '26 Dec 6, '26 Male 24, '27
		178220	Apr. 2, 26	Dec. 6, '26 Meb. 21, '27
		184934	Apr 9, 26	Meb. 24, 127 Dec. 13, 126
		$\Lambda70279$	Jan 28, 28	Dec. 3, 28
		A 19984 A 19983	Jan 24, 28 Jan 24, 28	Dec. 3, 28 Jan. 2, 29 Jan. 17, 590
		170283	Tob 3, 28	Jan 2, 29 Jan 17, 29 Jan 17, 29 Jan 17, 29
		1129707	Melc 10, 28	Jan. 17, 29
		A70285	Feb 3, 28	Jan. 17, [29
		\ 79976		Jan. 17, 29 Dec. 10, 26 Dec. 15, 27
		SERIET.	Nov. 21, 126 Dec. 3, 126 Dec. 47, 126 Meb. 29, 123 Apr. 23, 123	Die 13, 27
		MAIL	Dec 3, 26	No. 13. 27
	Charles II, Preston	A70257 56136	Dec 17, [26] Meti 29, [23]	Nov. 26, 27 Jan. 9, 21
	Danvers, Mass.	36131	Apr. 23, 23	Jon 27, 24
	• • • • • • • • • • • • • • • • • • • •	117255	Apr. 23, 23 Jan. 8, 24	Nov. 30, 24
		79673	Jan 6, 21	Dec. 19, 25 Meh 20, 26
		89881	Jan 6, 24 Jan 27, 24 Jan 20, 26 Dec 17, 22	Meh 20, 26 Apr. 13, 26 Nov. 11, 27
		A51634	Jan 20, 26	Nov. 11, 27
	Harriet U. Goode	20740	Dec. 17, 22	Jan 5, 24
	Sharon, Mass. Annie S. Wilder	A64999	Nov. 25, 26	Feb. 21, 28
	Westfield, Mass,	A64992	Nov. 25, 126 Dec. 3, 126	Dec. 2, 27
		A64994	Dec 5, 26	
	•	188581	Nov. 21, 26	Feb. 1, 128 Jan 20, 28
		A38766	Dec. 6, '26	Feb. 20, 28
•		138772	Dec. 10, 26	Dec. 15, 27
		A38772 A38773 A38774	Dec. 10, '26 Dec. 12, '26	Dec. 18, 27 Dec. 10, 27
		121019	Dec. 18, 26	Jan 30, 28
		188589	Dec. 23, 26	1 1.14
		173101	Dec 21, 26	Nov. 13, 27 Dec. 18, 27 Apr. 5, 28
		A22565 A22568	Feb 19, 27 Feb 20, 27	Dec. 18, 527 No. 5, 528
	Mrs. George Burbank	116911	Feb 12, 24	Jan 25, 25
	Sandwich, Mass.	61845	Jan 15, 23	Jan 27, 125
		140524 140529	Jan 26, '25 Mal 1, 195	Dec. 28, 25
and the second second		66527	Meh 4, '25 Meh 26, '23	1.1. 1.26
		61546	Dec 5, 26 Nov 21, 26 Dec 6, 26 Dec 10, 26 Dec 10, 26 Dec 12, 26 Dec 12, 26 Dec 21, 26 Dec 21, 26 Feb 19, 27 Feb 12, 24 Jan 15, 23 Jan 26, 25 Meb 26, 25 Meb 26, 25 Meb 26, 23 Jan 16, 23	Feb. 4, 24
				1911 25 25
		61541	Jan. 10, 23	Dec. 28, 25 Feb. 14, 24
				Dec. 29, '25
		131932	Feb. 5, 26	Jan. 14, 27

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Specias	Reported by	No.	Banded	Returned Sex
Tree Sparrow	Mrs. George Burbank	131925	Feb. 5, '26	Jan. 16, '27 Jun. 16, '27
(Spizella m. monticola)	Bandwich, Mass.	140526	Jan. 30, '25	Jan. 16, 27 Jan. 16, 27 Feb. 10, 28
			T) 00 100	Feb. 10, '28 Jan. 16, '27
		140553	Dec. 28, '23	180, 10, 27 15ds 1 198
		131901	Dec. 28, '25	Feb. 1, '28 Jan. 16, '27 Jan. 31, '28
•		101001	•	Jan. 31. 28
		131912	Jan. 24, '26	Feb. 22, 27
				Feb. 1, '28
•		131011	Jan. 17, '26 Jan. 16, '27	Jan. 31, '28 Feb. 1, '28
	*	186080 140533	**	Feb. 1, 28 Feb. 1, 28
*		186063	Men. 25, 25 Feb. 22, 27 Jan. 16, 27	166h 1 '98
	•	186076	Jan. 16, 27	Eat 10 '98
		A51738	Feb. 13, 26 Jan. 20, 23	Feb. '28
	Herbert Parker	29519	Jan. 20, 23	Mah 9 94
	Lancaster, Mass.	29521	Jan. 21, 23	13.00 98 '93
		33949	Dec. 29, 23	Jan. 31, 25 Apr. 18, 26
		35598	Dec. 31, '23	Apr. 18, 26 Feb. 1, 25
		491919191	1766. 01, 20	
		35500	Dec. 23, '23	Jan. 21, 20 Jan. 25, 25 Dec. 27, 25 Jan. 25, 25
	•			Dec. 27, 25
		35630	Mch. 2, '23	Jan. 25, 25
		47044	Mch. 2, '23 Jan. 14, '22	Jun. 25, 25 Dec. 31, 22
				100. 01, 20
		6912	Jan. 29, '22	Jan. 24, 25 Feb. 17, 23
		0912	Jan. 29, 22	Feb. 17, 23 Jan. 26, 24
				1 2 Oct
		6916	Jan. 20, 22 Feb. 16, 22 Jan. 17, 25	Dec. 31, '22 Jun. 20, '23
	•••	6919	Feb. 16, 22	Jan. 20, 23 Jan. 1, 26
		A16016	Jan. 17, 25	- Jan 1, '26
		A16025	Jan. 17, 25 Jan. 31, 25 Jan. 31, 25	Mcn. 21, 20
		A16028 A16033	U. U. 1	Nich. 21, 20 Dec. 28, 25 Nov. 29, 25 Lan. 1, 220
		A16034	Kob X 775	Dec. 26, '25 Nov. 29, '25 Jan. 1, '26
		A16041	Enh 15 '95	11ec. 27 '25
		20517	Jan 20, 23	
		20518	Jan 20 '93	Jan. 6, 24
	Don V. Messer	43042		Feb. 25, 20
	Huntington, Mass		Feb. 13, 24	WILL 1911 AT
	•	43045 43046	Feb. 13, 24 Feb. 19, 24	Feb. 13, 26 Feb. 13, 26
		55700	Eab 99 '91	Jan. 24, 26
		55799	Feb. 22, 24	Feb. 14, 26
		91931	L' 94 '94	Fab. 7 198
		91933	Feb. 24, 24	Jan. 15, '26
	C. L. Whittle	91934 A18285	Feb. 24, 24 Jan. 30, 26	Jan. 25, 26 Jan. 12, 27
	Cohasset, Mass.	A26625	Jan. 30, '26 Feb. 4, '26	Jan. 12, 27 Dec. 7, 26
	· · · · · · · · · · · · · · · · · · ·			Dec. 7, 26 Jan. 9, 28
		A26730	Feb. 8, '26 Feb. 6, '26	Jan. 29, 28
		A26734	Feb. 6, '26	Dec. 8, '26
		1 mag 200	13.1 % 15.1	Mch. 11, 28
		A26784	Feb. 7, '26 Meh. 7, '26	Jan. 10, 27 Jan. 16, 27
			Millio 7, 20	Feb. 18, 28
	Wendell P. Smith	39025	Mch. 27, '23	Jan. 28, '24
	Wells River, Vt.			Feb. 10, '25
		(haran)	11 1 no tos	Dec. 12, '25
		39026	Meh. 23, '23 Apr. 2, '23	Dec. 27, '24
		39028 43553	Apr. 2, 23 Jan. 26, 24	Jan. 19, '24 Jan. 10, '25
		***************************************		Dec. 27, 25
		43555	Jan. 26, '24	Dec. 15, '25
		43559	Jan. 28, 21	Dec. 27, '25
•				Dec. 15, 28
		43560	Feb. 1, '24	Feb. 10, 28
		40000	Feb. 1, '24	Jan. 1, '25 Dec. 27, '25
				170°C. 186. 120
		43561	Feb. 4, '21	Feb. 17, 25
·				

Species	Reported by	No.	Banded	Returned Sex
Tree Sparrow	Wendell P. Smith	13563	Feb 13 '94	Dec. 10, 26
(Spizella m. monticola)	Wells River, Vt.	43567	Feb. 13, 24 Feb. 15, 24 Jan. 6, 25	
(spigetis m. montions)		127114	Jan 6 25	Jan. 14, 26
		127121	Jan. 31, '25	Jan. 14, 26 Meh. 19, 26
				Dec. 23, 27
		127125	Jan. 31, '25	Dec. 15, 25
				Dec. 1, 26
				Feb 5, 28
		127126	Feb. 8, 25	Dec. 27, 25 Jan 3, 26
		127128 127131	Feb. 10, 25 Feb. 17, 25	Jan 3, 26 Dec. 22, 27
		127131	Feb. 20, 25	11 5 996
		125134	Feb. 23, 25	
		127135	Meh. 3, 25	Jan 9, 26
		127136	Feb. 8, 25 Feb. 10, 25 Feb. 17, 25 Feb. 20, 25 Feb. 23, 25 Meb. 3, 25 Meb. 3, 25	Dec. 23, 25 Jan 9, 26 Dec. 19, 25
				Dec. 29, 26
		18140 36565	Meh. 8, 23 Dec. 15, 25 Feb. 9, 28 Dec. 17, 22 Dec. 25, 22 Jun 30, 23	Meb 8 21
		A9218	Dec. 15, 25	1
		571260	Feb. 9, 28	Feb 6, 29
	Richard B. Horsey	65630	Dec. 17, '22	Dec. 16, 23
	Rochester, N. Y.	6.5637	Dec. 25, '22	Feb. 6, [29] Dec. 16, [23] Dec. 25, [23] Dec. 25, [23]
		61.56147	Jan 30, 23	Dec. 25, 23
				Dec. 29, 24
			41.4	Dec. 25, 23 Dec. 29, 24 Jun. 40, 26 Dec. 25, 23 Dec. 23, 24
		65648	Feb. 6, 23	Dec. 25, 23
		116509	13 16 509	Dec. 25, 23 Dec. 23, 24 Meh. 20, 26
	•	$\frac{118523}{138524}$	100. 10, 20	Jan 6, 25
		118526	Dec. 16, '23 Dec. 16, '23 Dec. 18, '23	Day 26 224
		118527	Dec. 23, 23	lan h 195
				Facts 11 794
		118528	Dec. 23, '23	Jan. 1, 25
			,	Dec. 20, 25
		118532	Dec. 25, '23	Dec. 25, 24
		142376	Dec. 31, '24	Dec. 25, '24 Dec. 30, '25 Meh. 16, '26
		142377	Jan. 1, 25	Mch. 16, '26
		152381	Jan. 9, 25	Jan 14, '26
		142386	Jan. 16, 25	Dec 3, 25
		142390	Jan. 19, 25	Dec. 1, [25]
		112401	Meh. 5, 25	Jan. 12, 26
m H	B, S. Bowdish	142403 A17474	Dec. 25, '23 Dec. 31, '24 Jan. 1, '25 Jan. 9, '25 Jan. 16, '25 Jan. 19, '25 Meb. 5, '25 Meb. 22, '25 Feb. 2, '26	Jan. 24, 26 Dec. 17, 26 Dec. 6, 27 Dec. 4, 27
Tree Spurrow (Spisella m. monticol a)	Demorest, N. J.	A1111	F(t), 2, 20	Dec. 6, 27
(c)prica m, manicola)	tacilintent, 14, 2.	A57587	Feb. 4, '27	Dec 4, 27
		A17498	Feb. 11, 26	Dec. 4, 27 Dec. 30, 26 Jun. 13, 28
•			11.77	Jun. 13, 28
•		88652	Jan. 2, 24	
				Dec. 10, 25
				Dec. 10, 25 Dec. 17, 26 Dec. 30, 26 Ech. 2, 28
		A17478	Feb. 3, 26	Dec. 30, 26
				Feb. 2, 28 Meh. 11, 28
	D 1 MC 131.4	A17541	Apr. 1, 26	Meh. 11, 28
	R. J. Middleton Jeffersonville, Ps.	147883 147886	Apr. 1, '26 Jan. 28, '25 Jan. 31, '25 Feb. 9, '26	Feb. 8, 26 Feb. 11, 28
	Jenersonvine, Fa.	174372	Feb. 9, 26	Feb. 20, 29
Chipping Sparrow	W. P. Wharton!		-one returns of	1 358 banded
(Spizella p. passerina)	Summerville, S. C.		ere retaken in	
(13) The last property of the party of the p		in a rest	ricted area. Mr	Wharton be-
			em to have be	
	8, P. Baldwin			
	Thomasville, Ga.		turns at Thon	moville, Ga
Slate-colored Junco	Harriet U. Goode	65113	Feb. 9, 23	Feb. 12, '24 9
(Junco h. hyemalis)	Harriet U. Goode Sharon, Mass. Ethel M. Crowell	13308	Feb. 9, 23 Jan. 20, 25 Jan. 13, 25	Feb. 12, 24 9 Oct. 24, 25 5
	Ethel M. Crowell	132194	Jan., 13, 25	Nov. 21, 28
Mate advand lun	Franklin, Mass.	95950	Non- 20-100	Dan 98 192
Siste-colored Juneo (Junco h. hyemalis)	Arthur Morley Swampscott, Mass.	35356 65699	Nov. 30, '22 Jan. 8, '23	1700', 25, 24 Day 96, 599
(wancon, nyematik)	ewampeon, aims,	49-9415-51	aan. A, 20	Dec. 28, '25 Dec. 28, '23 Jan. 16, '25
				onii, 10, 20

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Species Slate-colored Junco (Junco h. hyemalis)

Reported by	No.	Ba	nded	Returned Sez
L. B. Fletcher Cohasset, Mass.	35808	Feb.	7, '23	Feb. 4, '24 Apr. 9, '25
Company, Amer.	35809	Feb.	8, '23	Feb. 4, '24 Apr. 9, '25 Feb. 28, '24 Jan. 23, '25 Feb. 4, '24 Dec. 27, '24 Feb. 4, '24
	35811	Feb.	10, '23	Feb. 4, '24 Dec. 27, '24
•	35814	Feb.	10, '23 14, '23 5, '24 7, '24 12, '24 26, '24 5, '24 27, '24 16, '23	Feb. 4, '24 Feb. 6, '24
	35821	Feb.	14, 23	Feb. 6, '24 Jan. 2, '25
	50213 50220	Jan. Jan.	7 24	Jan. 2, 20 Dag 93 '95
	50225	Jan.	12. 24	Nov. 9, 24
	50233	Jan.	26, 24	Nch. 15, '26
	50214	Feb.	5, 24	Feb. 6, '24 Jan. 2, '25 Dec. 23, '25 Nov. 9, '24 Nch. 15, '26 Jan. 24, '26 Apr. 11, '25 Jan. 4, '25
	50257 53102	Meh. Dec.	16, 23	Jan. 24, 26 Apr. 11, 25 Jan. 4, 25 Jan. 9, 26 Jan. 10, 25 Dec. 25, 24 Jan. 10, 24 Jan. 30, 25
	*			Jan. 9, '26 Jan. 10, '25
	53113 53116	Jan. Jan.	0 24	Dec. 25, 24
	75129	Jan.	10, 23	Jan. 10, '24
	75431	Jan.	1, '24 9, '24 10, '23 25, '23	Feb. 4, 24
				Feb. 4, '24 Jan. 30, '25 Meh. 25, '26 Feb. 4, '24 Feb. 4, '24 Feb. 4, '24 Feb. 12, '24
	75433	Jan.	25 '23	Feb. 4, 24
	75433 75434	Jan.	25, '23 25, '23 25, '23	Feb. 4, '24
	75435	Jan.	25, 23	Feb. 4, 24 Feb. 12, 24
	75435 75438 75438	Jan. Jan.	25, '23 25, '23 25, '23 25, '23	Eals 4 '94
	75444	Jan.	23 '23	12L 4 10.4
	75445	Jan.	25, 23	
				May 20, 25
C. H. Preston	A5439	Nov.	15, '24 3, '25 13, '26 25, '25 19, '25	May 26, 25 Nov. 29, 25 Dec. 24, 25 Dec. 25, 25
Danvers, Mass.	A5455	Apr.	3, '25	Det. 20, 20
	A51627	Jun.	13, 26	
	144862 A51616	Jan.	20, 20	Dec. 12 26
	111861	Jan.		
B. S. Bowdish	A57573	Dec.	30, 26	
Demarcst, N. J.	99372	Dec.	30, '26 11, '25	Dec. 9, 27 & Jan. 17, 27 Q Dec. 9, 27
	50021	Feb.	28, '21	Jan. 15, 23 3
				Jan. 21, 24 Jan. 1, 25
				Feb. 1, '26
		13	13. 21341	Dec. 18, '27
	A 57 561 A 57 580	Dec. Jan.	5. '27	Dec. 29, '27 ♀ Jan. 15, '28 ♂
	34691	Jan.	2, '26 5, '27 13, '23	"Jan 28, '24
				Jan. 6, 25 Jan. 29, 28
	12863	Dec.	10, '22	Tice 4 '23.7
				13 1 514
				Dec. 11, 25 Dec. 5, 26
				15ah 90 '98
J. A. Gillespie	651 W	Feb.	11, '23	11.1. 11 914 A
Glenolden, Pa	122041	Nov.	11, '23 5, '25 21, '25	Tue 22, 24
	115117	Jan	5 25	31.6 In 90 Z
	167627	Nov.	21, 25 5, 26	11an 5 196 8
15 1 MC10 A	89395	Dec	5, '26 6, '22	Jan. 29, '28 & Jan. 27, '25 &
– R. J. Middleton – – Jeffersonville, Pa.	31015 (A192860)	Dec.	0, 22	Jan. 27, '25 & Dec. 22, '27
er or committee 1 M.				15.4. 7 190
*	121888	Feb.	11, '24 3, '25 12, '24	Jan. 28, 25 of
	147893 121870	Feb. Feb.	3, '25 12, '24 23, '27	Feb. 9, 20 &
	578808	Nov.	12, '24 23, '27 28, '28 1, '28	Nov 97 198 2
	578829	Jan.	28, '28	
	578833	Feb.	1, 28 1, 28	Jan. 24, 29 Feb. 4, 29
	$\frac{578834}{611658}$	- Feb. - Mcb	1, 40	Feb. 4, '29 Feb. 24, '29
	.,		,	- · · · · · · · · · · · · ·

Reported by
J. K. Jenson ⁱ Santa Fe, N. l
R. J. Middleton Jeffersonville,
W. M. Wharton Summerville, 1 8. P. Baldwin
Thomasville, C W. M. Wharton Summerville,

	Santa Fe, N. M.
	J. Middleton Jeffersonville, Pa.
	. M. Wharton Summerville, S. C.
В.	P. Baldwin Thomasville, Ga.
	, M. Wharton : Summerville, S. C.

No.	Banded	Returned Sex
Five ind	lividuals	
578824	Dec. 11, '27	Oct. 10, '28

Two females retaken in practically the place of banding and regarded as returns. Many returns of wintering individuals Four individuals,

We have one record of the migration of a Hairy Woodpecker, No. 259105, banded at Muscow, Saskatchewan, January 13, 1925, and recovered by S. McClelland at Kuroki, Saskatchewan, eighty miles north of Muscow on May 13, 1926. We do not know whether this individual was D, v. villosus or the subspecies septentrionalis. Migration at least from the northern limits of its range occurs regularly with the latter.

There are also several records of migrating Blue Jays. No. 24971, banded at Auburndale, Mass., September 2, 1927, by Dr. Eugene Ufford, was recovered at Cresskill, New Jersey, November 20, 1927. No. 524765, banded at Cotuit, Massachusetts, by Benjamin Shreve, was recovered at Cooleemee, North Carolina, December 16, 1927.² Several recoveries in the Middle West at points from fifty to four hundred miles south of the place of banding have been recorded.³ A Whitebreasted Nuthatch (Sitta c. carolinensis), banded at Middleboro, Massachusetts, by Mrs. A. G. Mathers was recovered at St. George, New Brunswick, April 23, 1926.4

The Evening Grosbeak returns perhaps need additional comment. Mr. Magee says that the species breeds in the deep woods from forty to one hundred and fifty miles west of his station. There have been several recoveries at points in New England and castern Quebec banded by him at Sault Stc. Marie.5

Examination of the foregoing records will reveal the coincident return of a group of individuals banded at approximately the same time. These can hardly be fortuitous, but apparently indicate the existence of some law governing,

⁴ Bulletin of N. E. B. B. A., Vol. III, No. 1, pp. 8–9

Bulletin of N. E. B. B. A., Vol. IV, No. 2, p. 67.

Tech. Bull. No. 32 of U. S. Biol. Surv

Bulletin of N. E. B. B. A., Vol. IV, No. 1 p. 29.

^{*} Bulletin of N. E. B. B. A. Vol. IV, No. 2, pp. 56-59.

in at least certain species, the formation of the flock. It is reasonable to suppose the nucleus of the flock to be the family group. Mr. C. L. Whittle has observed certain changes in behavior of Chipping Sparrows (Spizella p. passerina) at the time when flocks were forming.\(^1\) One or two family groups ceased visiting the traps at that time although they had done so regularly before and although the flock of which they had become a part remained in the vicinity. This was in marked contrast to the behavior of a later flock, composed almost entirely of banded birds, which continued to feed at the traps until their departure. The difference in behavior of the two flocks may perhaps be accounted for by the difference in the number of banded birds composing each, the smaller number of banded individuals not being able to govern the behavior of the larger unit.

At the writer's own station, some twenty-five Tree Sparrows came regularly. At sunset these assembled in one of three or four different trees, and after a few minutes left in three separate groups a few seconds apart. Two or these groups

flew in opposite directions.

We have not included the Chickadee (*Penthestes a. atrica*pullus) because of lack of records proving its migratory status, Dr. K. Christofferson, of Munoscong, Michigan, has had a number of seeming returns of this species, none of which is taken in summer. He also notes a marked increase in the number of Chickadees during the migration season, a phenomenon noted by other observers in different parts of the country.

Harold Michener, President of the Western Bird Banding Association, writes, "We are quite convinced that the permanently resident individual is a rare exception even in the so-

called resident species."

Wells River, Vermont

¹ Bulletin of Northeastern Bird-Banding Association, Vol. V, No. 1, pp. 31-34,