

# BIRD-BANDING

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## FALL AND WINTER BIRDS NEAR HOMESTEAD, FLORIDA

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(Continued from Vol. 50, No. 3, p. 243)

Prairie Warbler (*D. discolor*). Resident in coastal mangroves, migrant inland. Banded 199. Station dates 22 Sept.-26 Nov.; 19 Mar.-18 Apr.

1968	1969	1970	1971	1972	1973	1974	
29	15	43	30	29	10	12	Fall
10.7	2.4	8.3	4.3	4.1	1.3	1.0	(% per 1,000 net-hr)
6	6	3		2	14	0	Winter

Because no difference was apparent between fall and spring measurements, all are combined. However, since the date of complete skull ossification for this species has not been determined, fall birds completely ossified and classified Ad. might be HY and are more safely judged unknown.

M: 51, wing 51-59 ( $\bar{x}$  = 56); wt. (49) 5.8-9.2 ( $\bar{x}$  = 7.9). Birds fat: 24. HY M: 27, wing (26) 51-59 ( $\bar{x}$  = 54); wt. (22) 6.7-8.8 ( $\bar{x}$  = 7.4). Birds fat: 14. F: 51, wing (50) 49-58 ( $\bar{x}$  = 53); wt. (48) 6.5-9.6 ( $\bar{x}$  = 7.8). Birds fat: 24. HY F: 38, wing (36) 50-56 ( $\bar{x}$  = 54); wt. (35) 6.2-9.6 ( $\bar{x}$  = 7.6). Birds fat: 13. Because the station is well inland in hammock and agricultural country, birds taken were considered migrant rather than resident.

Palm Warbler (*D. palmarum*). Common migrant and winter resident, Sept.-May. Banded 127. Station dates 25 Sept.-6 Nov.; 13 Nov.-17 Apr. Data for fall only.

1968	1969	1970	1971	1972	1973	1974
9	10	22	13	7	8	6
.3	1.6	4.2	1.9	1.0	1.0	.5

Ad. U: 17, wing 59-68 ( $\bar{x}$  = 64); wt. 9.4-11.9 ( $\bar{x}$  = 10.6). Birds fat: 10. HY U: 58, wing 60-69 ( $\bar{x}$  = 63); wt. (45) 8.6-12.0 ( $\bar{x}$  = 9.7) (5 birds with high fat, wt. 12.3 to 13.5,  $\bar{x}$  = 13.0). Birds fat: 18.

Ovenbird (*Seiurus aurocapillus*). Common migrant Aug.-May. Banded 602. Station dates 22 Sept.-11 Nov.

1968	1969	1970	1971	1972	1973	1974	
61	77	74	89	113	109	79	
22.5	12.6	14.2	12.9	15.9	13.8	6.9	(% per 1,000 net-hr)

Ad.: 194, wing (182) 67-81 ( $\bar{x}$  = 74); wt. (155) 16.4-24.4 ( $\bar{x}$  = 19.7). Birds fat: 22. HY: 389, wing (366) 63-76 ( $\bar{x}$  = 73); wt. (298) 16.5 (15.8)-23.7 (27.0) ( $\bar{x}$  = 19.4). Birds fat: 140.

Northern Waterthrush (*S. noveboracensis*). Common migrant, fairly common winter resident. Banded 81 Fall, 7 Spring, 1 Winter. Station dates 24 Sept.-7 Nov.; 16 Jan., 15 Apr.-12 May. Measurements presumably similar for sexes.

Fall	1968	1969	1970	1971	1972	1973	1974	
	8	12	18	8	5	16	14	
	2.9	2.0	3.5	1.2	.7	2.0	1.2	(% per 1,000 net-hr)

Ad.: 18, wing 70-82 ( $\bar{x}$  = 75); wt. (12) 14.5-22.2 ( $\bar{x}$  = 18.5). Birds fat: 12. HY: 61, wing 69-79 ( $\bar{x}$  = 74); wt. (58) 14.8-23.3 ( $\bar{x}$  = 16.8). Birds fat: 26.

Common Yellowthroat (*Geothlypis trichas*). Common resident and migrant. Banded Fall 441. Station dates 22 Sept.–6 Nov.

1968	1969	1970	1971	1972	1973	1974	
47	86	90	82	63	43	48	
17.3	14.0	17.3	11.9	8.9	5.3	4.1	(% per 1,000 net-hr)

Ad. M: 103, wing (73) 49–59 ( $\bar{x}$  = 53); wt. (68) 5.8–12.0 ( $\bar{x}$  = 9.7). Birds fat: 30. HY M: 118, wing (64) 49–58 ( $\bar{x}$  = 54); wt. (62) 8.3–12.7 ( $\bar{x}$  = 9.2). Birds fat: 23. Ad. F: 53, wing (35) 49–55 ( $\bar{x}$  = 52); wt. (34) 8.1–13.1 ( $\bar{x}$  = 9.4). Birds fat: 15. HY F: 137, wing (98) 47–57 ( $\bar{x}$  = 51); wt. (95) 7.2–13.2 ( $\bar{x}$  = 9.4). Birds fat: 30.

Yellow-breasted Chat (*Icteria virens*). Fairly common migrant and winter resident, Sept.–mid-May. Banded 16. Station dates 23 Sept.–2 Nov.; 23 Nov., 18 Jan., 28 Feb.

Fall	1969	1970	1971	1972	1973	
	2	2	2	6	2	
	.3	.4	.3	.8	.2	(% per 1,000 net-hr)

Ad. U: 8, wing 74–78 ( $\bar{x}$  = 75); wt. (7) 23.8–34.9 ( $\bar{x}$  = 27.8). HY U: 6, wing 73–80 ( $\bar{x}$  = 76); wt. 24.3–27.5 ( $\bar{x}$  = 25.6). Sexes not safely separated except in breeding season. Other records: 1953: Third known record in S. Florida: east of Goulds, 8, 15 November (AFN, 8: Stevenson). Since then the species has been reported with scattered but fair regularity. AFN gives 9 references from 1953–1963, characterizing it as "rare in fall" (AFN, 9: 24, 18: 27 Stevenson).

Hooded Warbler (*Wilsonia citrina*). Uncommon to rare migrant, Aug.–Nov., mid-Mar.–Apr. Banded 8. Station dates 2–29 Oct.

	1971	1972	1973	1974	
	2	2	3	12	
	.3	.3	.4	.1	(% per 1,000 net-hr)

Ad. M: 1, wing 68; wt. 11.3, fat. HY M: 1, wing 62; wt. 10.5, fat. HY F: 5, wing 59–65 ( $\bar{x}$  = 65); wt. (3) 11.3–11.7 ( $\bar{x}$  = 11.5). Birds fat: 5. An abundant and common summer resident in NW Florida; this species usually migrates westward of the S. Peninsula. Other records: 1956: Oct., "usually rare around Miami, was recorded several times" (AFN, 11: 21 Stevenson). 1957: 30 Sept. (AFN, 12: 25 Stevenson).

Wilson's Warbler (*W. pusilla*). Rare migrant and occasional winter resident. Banded 1, 29 Oct. 1967. HY M: wing 52; wt. 7.4. Photo: ENP. One previous record (specimen): UMRC 4 Jan. 1957 #1464.

Other records: 1938: First official Florida record (Pensacola: also sight record in 1936) (Sprunt, 1954). 1952: Cutler (1), Goulds (1), Tortugas (1) (Sprunt, 1954). 1956–1970: 22 fall and winter records are cited for S. Dade (12), the Keys (6), the Tortugas (4) in FN, 20: 55; AFN; AB.

Canada Warbler (*W. canadensis*). Rare migrant. Banded 7. Station dates 25 Sept.–16 Oct.

1968	1969	1970	1971	1972	1973	1974	
1	2	0	2	0	1	1	
.4	.3	0	.3	0	.1	.1	(% per 1,000 net-hr)

Ad. M: 1, wing 64; wt. 10.6, fat. Ad. F: 1, wing 61; wt. 9.7. HY F: 2, wing 62, 63; wt. 10.2, 11.0, 1 fat. HY U: 3, wing 60–62 ( $\bar{x}$  = 61); wt. 10.5–11.3 ( $\bar{x}$  = 11.0). Birds fat: 2. Photos: ENP 10 Oct. 1968 (only Florida fall report of year), 5, 12 Oct. 1969. Other records: 1957–25 Sept. 1958: 28 Apr. specimens taken by Wurdemann at Cape Florida, Key Biscayne (Sprunt, 1954). 1915: 12 Oct. "2 taken by J. B. Ellis at Chokoloskee" (Sprunt, 1954). 1915: 17 March "Migrants noted at Princeton . . . Stimson has been active in the field (Dade Co.) for 21 years and has never seen the bird" (Sprunt, 1954). 1955: 10–11, Miami. 1956–1973: AFN, AB list 7 observations from Loxahatchee, 20 Mile Bend, Miami, Key Biscayne, Homestead and Key Largo.

American Redstart (*Setophaga ruticilla*). Abundant migrant, not uncommon winter resident. Banded 861. Station dates 22 Sept.–5 Nov.

1968	1969	1970	1971	1972	1973	1974	
66	83	139	226	130	134	83	
24.3	13.6	26.8	32.8	18.3	16.9	7.2	(% per 1,000 net-hr)

Ad. M: 208, wing (201) 58 (51)–67 ( $\bar{x}$  = 64); wt. (169) 6.7–10.7 ( $\bar{x}$  = 8.6). Birds fat: 69. HY M: 102, wing (96) 53–67 ( $\bar{x}$  = 60); wt. (81) 6.7–10.7 ( $\bar{x}$  = 8.4). Birds fat: 69. Ad. F: 258, wing (238) 53–69 ( $\bar{x}$  = 60); wt. (200) 6.8–10.4 ( $\bar{x}$  = 8.4). Birds fat: 164. HY F: 268, wing (244) 52–70 ( $\bar{x}$  = 59); wt. (219) 7.0–11.0 ( $\bar{x}$  = 8.3). Birds fat: 162.

Red-winged Blackbird (*Agelaius phoeniceus*). Abundant resident, less common in winter. Females rare at Station. Banded 765. Station dates 27 Sept.–8 Nov. (242); Nov. to May (524), banding sporadic.

1968	1969	1970	1971	1972	1973	1974	
21	172	10	10	1	27	1	Fall
7.7	28.1	1.9	1.4	.1	3.4	.1	(% per 1,000 net-hr)
227	54	63	135	45	0	0	Winter

No measurements taken. Known Ad. M: 330; Ad. F: 13, SY M: 243; SY F: 1; HY M: 175; HY F: 0.

Spot-breasted Oriole (*Icterus pectoralis*). Not uncommon resident. Banded 23. Station dates 24 Sept.–1 Apr.

1968	1970–71	1971–72	1973	1974
2	8	7	3	3

Ad.: 12, wing 100–108 ( $\bar{x}$  = 104); wt. (11) 43.7–58.3 ( $\bar{x}$  = 49.7). HY: 11, wing (10) 90–106 ( $\bar{x}$  = 98); wt. (10) 43.8–53.6 ( $\bar{x}$  = 48.5).

History: In 1948, six birds "in poor condition" were released from a Miami Bird Farm. In Sept. 1949, a pair nested near the Miami River in a residential neighborhood where they were found to be established (Brookfield, Michaud, pers. comm.). Identification was made in May 1952 by Wetmore, Oberholser and Friedmann of the Smithsonian Institution from feathers of a dead bird retrieved by Michaud (Brookfield). By 1953, the range extended from N. Miami, 7 miles NE of the first nesting site, to S. Allapattah gardens, 15 miles SW. The original population was doubtless augmented by individuals escaped or liberated from a shipment from Nicaragua in 1955 brought in as "Troupials." The first two banding records were by Stimson in Apr. and May 1955. By 1961, the species was nesting in Fort Lauderdale (Fleugel); by 1962, it had reached W. Palm Beach (Christmas Count, *AFN*, 16: 166, Lyas). It is now well established coastally and as far inland as Lake Wales, with the southernmost observation Pine Island in ENP, and Key Largo (Fisk, unpub.).

Northern Oriole (Baltimore) (*I. g. galbula*). Common migrant, Oct.–Nov., and not uncommon winter resident. Banded 54. Station dates 24 Sept.–27 Nov., 8 to 13 Apr.

Fall	1968	1969	1970	1971	1972	1973	1974	
	3	5	17	12	8	4	3	
	.1	1.8	3.3	1.7	1.1	.5	.3	(% per 1,000 net-hr)

Ad. M: 6, wing 95–106 ( $\bar{x}$  = 98); wt. 34.6–44.3 ( $\bar{x}$  = 34.6). Bird fat: 6. HY M: 28, wing (26) 85–96 ( $\bar{x}$  = 92); wt. (25) 30.5–44.5 ( $\bar{x}$  = 35.5). Birds fat: 15. Ad. F: 7, wing 87–92 ( $\bar{x}$  = 89); wt. 27.6–37.7 ( $\bar{x}$  = 32.5). Birds fat: 3. HY F: 10, wing 85–99 ( $\bar{x}$  = 90); wt. 29.2–35.2 ( $\bar{x}$  = 32.5). Birds fat: 8.

Northern Oriole (Bullock's) (*I. galbula bullockii*). Irregular in fall and winter. Banded 14: 10 at Station, 3 in Homestead, 1 in S. Miami. Station dates 19 Sept.–5 Nov.; elsewhere in local area 5 Nov.–27 Feb.

Station	1967	1968	1971	1973
	3	5	1	1
Elsewhere	1965	1966	1976	
	2	1	1	

Ad. M: 1, wing 104. SY M: 2, wing 98, 99; wt. 35.2, 34.9. HY F: 5, wing 84–92 ( $\bar{x}$  = 89); wt. 28.7–36.0 ( $\bar{x}$  = 33.0). Birds fat: 3. U: 3, wing 88–92 ( $\bar{x}$  = 90); wt. (2) 39.5, 43.1.

Other records: 1954—First S. Peninsula report, Tavernier (Sprunt). *AFN*, 8: 248 (Stevenson) "although not presently accredited to the Florida list" is evidently in error. 1954–74: 27 fall and winter records (excluding Fisk's) in the S. Peninsula in 13 of the 21 years, from Clewiston to Marathon, and Snake Bight in ENP (*AFN*, *AB*).

Hybrid oriole with plumage intermediate between Bullock's and Baltimore. Banded 3. Station dates 14 Nov. 1967, 7 Nov. 1968 (dates of 19 Oct. to 2 Nov. 1968 in *AFN*, 23: 40 [Robertson and Ogden] is in error); wing (2 F, 1 U) 88, 89, 90; wt. 30.0, 31.5.

Brown-headed Cowbird (*Molothrus ater*). Formerly rare in the S. Peninsula, now irregular but not uncommon. Banded 29 (plus 14 in 1966, 6 in 1967, measurements included in wing data). Station dates 1 Jan.–10 Mar. (1 on 31 Mar.). Ad. M: 4, wing 107–115 ( $\bar{x}$  = 110). HY-SY F: 44, wing (26) 96–102 ( $\bar{x}$  = 99). "Stimson, in 21 years of field work about Miami, the Tamiami Trail and Cape Sable has one record . . . near Ochopee, Nov. 10, 1940" (Sprunt, 1954).

Common Grackle (*Quiscalus quiscula*). Common resident. Banded 56. Station dates 1–31 Oct., 12 Jan.–28 May.

Fall	1968	1969	1970	1973	
	16	15	5	1	
	5.9	2.4	1.0	.1	(% per 1,000 net-hr)

M: 24, wing 128–138 ( $\bar{x}$  = 136); wt. (16) 95.0–119.6 ( $\bar{x}$  = 101.0). F: 13, wing 113–123 ( $\bar{x}$  = 117); wt. (5) 75.3–87.5 ( $\bar{x}$  = 79.8).

Western Tanager (*Piranga ludoviciana*). Rare winter resident, Sept.–mid-Apr. Banded 2: 20 Oct. 1971. HY U: wing 92; wt. 30.7, fat; 26 Oct. 1972. AHY F: wing 93; wt. 31.6. Photo: ENP March 1957, 26 Oct. 1972 (Fisk).

Other records: 1953: 21 Jan., Miami (*AFN*, 9: 253, Stevenson). 1956: 30 Sept. "Western Tanager finally collected in Florida (*AFN*, 11: 21, Stevenson). 1953–1961: 19 reports are cited in *AFN* with 6 subsequent ones in 1967, 1971, 1974 (*AFN*, *AB*).

Scarlet Tanager (*Piranga olivacea*). Not uncommon migrant, occasionally winters. Banded 34. Station dates 12 Oct.–5 Nov.

1968	1969	1970	1971	1972	1973	1974	
2	9	5	7	1	9	1	
.7	1.5	1.0	1.0	.1	1.1	.1	(% per 1,000 net-hr)

Ad. M: 3, wing 90–96 ( $\bar{x}$  = 94); wt. 35.2–36.3 ( $\bar{x}$  = 35.7). HY M: 13, wing (12) 90–97 ( $\bar{x}$  = 94); wt. (13) 25.9–38.3 ( $\bar{x}$  = 33.3). Ad. F: 4, wing 90–92 ( $\bar{x}$  = 91); wt. 32.6–36.8 ( $\bar{x}$  = 34.8). HY F: 9, wing 87–96 ( $\bar{x}$  = 91); wt. 27.1–40.0 ( $\bar{x}$  = 33.7). Birds fat: 22.

Summer Tanager (*Piranga rubra*). Rare Nov.–mid-Mar., not uncommon Mar.–Oct. Banded 32. Station dates 24 Sept.–26 Oct.

1968	1969	1970	1971	1972	1973	1974	
2	6	8	3	5	6	2	
.7	.9	1.5	.4	.7	.8	.2	(% per 1,000 net-hr)

Ad. M: 1, wing 96; wt. 35.5, fat. HY M: 3, wing 93–97 ( $\bar{x}$  = 95); wt. 27.6–37.4 ( $\bar{x}$  = 32.8). Birds fat: 2. Ad. F: 5, wing 87–96 ( $\bar{x}$  = 92); wt. 35.0–37.5 ( $\bar{x}$  = 36.4). Birds fat: 5. HY F: 8, wing 89–93 ( $\bar{x}$  = 91); wt. (7) 31.2–37.2 ( $\bar{x}$  = 33.3). Birds fat: 8. HY U: 15, wing 87–97 ( $\bar{x}$  = 92); wt. 27.8–40.4 ( $\bar{x}$  = 35.6). Birds fat: 13.

Cardinal (*Cardinalis cardinalis*). Common resident. Banded: Fall 334. Station dates 22 Sept.–6 Nov.

1968	1969	1970	1971	1972	1973	1974	
28	79	43	90	54	26	14	
10.3	12.9	8.3	13.0	7.6	3.3	1.2	(% per 1,000 net-hr)

Winter–spring 104, M 25, F 76. Fall birds only: Ad. or U M: 114, wing (65) 82–91 ( $\bar{x}$  = 87); wt. (9) 34.3–39.6 ( $\bar{x}$  = 38.4). HY M: 44, wing (25) 80–88 ( $\bar{x}$  = 84); wt. (2) 37.2, 37.0. Ad. or U F: 108, wing (74) 80–88 ( $\bar{x}$  = 83); wt. (21) 31.7–39.1 ( $\bar{x}$  = 35.7).

Rose-breasted Grosbeak (*Pheucticus ludovicianus*). Formerly rare, now not uncommon migrant and winter resident. Banded 62. Station dates 30 Sept.–10 Nov., 30 Nov. to 3 Jan.

1968	1969	1970	1971	1972	1973	1974	
1	8	3	35	8	5	2	
.4	1.3	.6	5.1	1.1	.6	.2	(% per 1,000 net-hr)

Ad. M: 2, wing 104, 102; wt. 53.4, 39.2. HY M: 26, wing 97-109 ( $\bar{x}$  = 102); wt. (24) 41.0-66.1 ( $\bar{x}$  = 51.8). Birds fat: 21. Ad. F: 7, wing (6) 97-103 ( $\bar{x}$  = 100); wt. (6) 45.7-56.4 ( $\bar{x}$  = 51.0). Birds fat: 5. HY F: 10, wing 95-103 ( $\bar{x}$  = 99); wt. (8) 41.6-53.2 ( $\bar{x}$  = 48.3) (37.3 not included). Birds fat: 7. UF: 17, wing 91-102 ( $\bar{x}$  = 98); wt. (15) 38.8-57.2 ( $\bar{x}$  = 45.7). Birds fat: 10.

Changing status: Listed as "practically unknown in much of Florida" by Sprunt in 1954, with a Palm Beach record the southernmost in his Addendum of 1963; as an "uncommon migrant" by both Abramson and Cunningham in 1961; as an "uncommon transient, very rare in winter" in ENP by Ogden; by 1969 this species either has become relatively common, with wintering records, or increasing competent observation is changing its status.

Other records: 1887-4 Oct., Key West (*Bird Lore*, 14: 161). 1950: 9-11 Oct., Coconut Grove (*AFN*, 5: 12, Brookfield). 1952: 18 Apr., Key Biscayne; 3 May, Bear Lake Road, "Most unusual on the Florida East Coast" (*AFN*, 6: 244, Brookfield). 1954: "appears to be the second winter record for Florida: Tallahassee" (*AFN*, 8: 248, Stevenson). 1950-1972: 23 records cited in *AFN*, *AB*, *FN*, ENP: 11 fall, 1 winter, 11 spring from Miami-Key West and ENP.

Blue Grosbeak (*Guiraca caerulea*). Uncommon migrant. Banded 6. Station dates 4 Oct.-8 Nov.

1970	1971	1974	
2	3	1	
.4	.4	.1	(% per 1,000 net-hr)

Ad. M: 1, wing 87; wt. 35.9, fat. Ad. F: 1, wing 78; wt. 29.0. HY U: 3, wing 78-82; wt. 29.0-34.3 ( $\bar{x}$  = 32). Birds fat: 3.

Indigo Bunting (*Passerina cyanea*). Common migrant and winter resident, distribution irregular. Banded 666. Station dates 2 Oct.-6 Nov.; 18 Nov.-20 Apr. Fall 96, Winter, spring banding sporadic, 570.

Fall	1968	1969	1970	1971	1972	1973	1974	
	13	15	12	13	8	12	23	
	4.8	2.4	2.3	1.9	1.1	1.5	2.0	(% per 1,000 net-hr)

Ad. M: 22, wing 62-71 ( $\bar{x}$  = 68); wt. (13) 12.9-17.0 ( $\bar{x}$  = 15.3). Birds fat: 6. HY M: 14, wing 62-69 ( $\bar{x}$  = 66); wt. 12.9-17.0 ( $\bar{x}$  = 15.3). Birds fat: 6. Ad. F: 24, wing (21) 59-68 ( $\bar{x}$  = 64); wt. (17) 12.5-19.2 ( $\bar{x}$  = 15.3). Birds fat: 11. HY F: 36, wing 60-70 ( $\bar{x}$  = 66); wt. (17) 12.5-19.2 ( $\bar{x}$  = 15.3). Birds fat: 11.

Painted Bunting (*Passerina ciris*). Common winter resident, Sept.-May, some Aug. records. Banded 1,167. Station dates 27 Sept.-5 Nov., 9 May; Fall 691.

1968	1969	1970	1971	1972	1973	1974	
86	133	114	113	91	86	68	
31.7	21.7	22.0	16.4	12.8	10.9	5.9	(% per 1,000 net-hr)

Ad. M: 153, wing (144) 65-73 ( $\bar{x}$  = 69); wt. (116) 13.3-19.0 ( $\bar{x}$  = 16.1). Birds fat: 50. HY M: 31, wing 69-71 ( $\bar{x}$  = 70); wt. (24) 14.0-19.4 (20.4 not included) ( $\bar{x}$  = 16.5). Birds fat: 17. Ad. F: 163, wing (156) 60-71 ( $\bar{x}$  = 66); wt. (131) 12.9 (11.5 not included)-19.0 ( $\bar{x}$  = 15.0). Birds fat: 38. HY F: 211, wing (209) 60-67 ( $\bar{x}$  = 64); wt. (166) 12.3 (11.4 not included)-19.4 ( $\bar{x}$  = 14.8). Birds fat: 38. Winter banding sporadic, 476. Ad. M: 62, Ad. F: 78, HY-SY: 218, U HY-SY (overlap of wing measurement in sexes): 68.

Returns: 301, F 160, M 117, all but 24 handled in winter season (Dec.-Feb.). Of 41 birds banded between 30 Jan. and 25 Feb. 1966, plus 1 on 1 Jan. 24 returned in later years of which 3 were still returning 9 years later; 4, 8 years later; 1, 6 years later; 3, 5 years later; and 1, 4 years later.

Dickcissel (*Spiza americana*). Uncommon, irregular winter migrant. Banded 3-8 Feb. 1968, 18 Oct. 1972, 5 Nov. 1970. Photo: ENP 28 February 1968.

American Goldfinch (*Carduelis tristis*). Irregular winter resident, common to abundant. Banded 747. Station dates 6 Dec.–15 Apr., banding sporadic.

1969	1969–70	1970–71	1971–72	1972–73	1973–74
155	119	248	93	69	27

ASY M: 48, AHY M: 89, HY-SY M: 106, F (ages not separable): 395, U: 109.

Rufous-sided Towhee (*Pipilo erythrophthalmus*). Common resident. Banded 119. Station dates 22 Sept.–3 Nov.; 9 Nov.–24 May.

Fall	1968	1969	1970	1971	1972	1973	1974	
	11	18	13	18	12	8	7	
	4.1	2.9	2.5	2.6	1.7	1.0	.6	(% per 1,000 net-hr)

Winter 32, Ad. M: 17, Ad. F: 15. Ad. M: 18, wing (16) 72–82 ( $\bar{x}$  = 77); wt. 36.1–42.4, ( $\bar{x}$  = 38.6). HY M: 26, wing (25) 72–81 ( $\bar{x}$  = 74); wt. (23) 37.1–45.4 ( $\bar{x}$  = 39.7). Ad. F: 7, wing 72–81 ( $\bar{x}$  = 76); wt. (6) 36.5–41.0 ( $\bar{x}$  = 37.9). HY F: 36, wing (34) 70–78 ( $\bar{x}$  = 74); wt. (30) 32.2 (27.1 not included)–42.5 ( $\bar{x}$  = 37.8). Winter–spring 32, Ad. M: 17, Ad. F: 15.

Note: 4 juveniles still in complete molt 26 Sept., 27 Oct. 1; SY still with gray eye 10 March.

Savannah Sparrow (*Passerculus sandwichensis*). Common migrant, Oct.–Apr. Banded 2. November 1968, HY: wing 63; wt. 15.2. 28 November 1971, AHY: wing 65; wt. 16.6.

Grasshopper Sparrow (*Ammodramus savannarum*). Common resident, Oct.–Mar., uncommon Apr.–Oct. (Cunningham). Banded 7, Station dates 23 Oct.–14 Nov.

1968	1969	1970	1971	
3	1	2	1	
1.1	.2	.4	.1	(% per 1,000 net-hr)

Ad.: 3, HY: 2, Unknown: 2, wing 60–63; wt. 15.2–16.6.

Lark Sparrow (*Chondestes grammacus*). Uncommon, irregular winter resident found in small flocks Aug.–Apr. Banded 1, 11 Oct. 1970. HY U: wing 84; wt. 26.0, fat. Photo: ENP. History: Not listed in Sprunt, 1954, or elsewhere; by 1964 it had become a regular visitant.

Bachman's Sparrow (*Aimophila aestivalis*). Uncommon resident. Banded 1, 13 Oct. 1970. HY: wing 55; wt. 16.1. Other records: from 1914–1960, eight additional records in S. Peninsula (Howell, 1932; Sprunt, 1954; *AFN*, ENP), Oct. to Dec.

Chipping Sparrow (*Spizella passerina*). Uncommon, sporadic winter resident, Oct. to Mar. Banded 1, 26 Nov. 1970. U: wing 63; wt. 10.5. Other records: 1940–1941: "few" at Miami (Sprunt, 1954). 1943–1949: 5 records, Miami (Sprunt, 1954). 1968–73: 8 records, 1 fall, 6 winter, 1 spring, from Royal Palm, ENP to the Dry Tortugas (*AFN*, *AB*).

Clay-colored Sparrow (*Spizella pallida*). Uncommon migrant and winter resident. Banded 1, 7 Dec. 1970. U: wing 63; wt. 11.6. Photo: ENP.

Other records: 1932: 18 Apr. "First Florida record" Sarasota (*Auk*, **50**: 225, Phillips). 1954: 25 Sept., "Second Florida record" Rockledge (*AFN*, **9**: 21, Stevenson). 1955–1974: 19 reports in 14 years cited in *AFN*, *AB*, ENP, 3 Oct.–8 Apr., Miami to Key West (1); Dry Tortugas (2).

Field Sparrow (*Spizella pusilla*). Uncommon migrant, mid-Nov.–mid-Mar. Banded 1, 13 Nov. 1971. HY: wing 68; wt. 11.6.

Other records: Sprunt lists this as "Uncommon to rare anywhere south of Lake Okeechobee" (Sprunt, 1954). 1938: Cape Sable, ENP (*Fla. Nat.*, **11**: 101). 1953–1973: 14 references, 1 fall, 11 winter, 2 spring (*AFN*, *AB*, *FN*).

White-crowned Sparrow (*Zonotrichia leucophrys*). Uncommon migrant. Banded 4. Station dates 31 Oct. (2)–2 Jan. 1971 (1), 1972 (1), 1973 (2). HY U: 4, wing 75–80 ( $\bar{x}$  = 77); wt. 24.2–37.7 ( $\bar{x}$  = 28.0). Photo: ENP.

Other records: 1955: "the first for S. Florida" Marathon (*AFN*, **10**: 22, Stevenson). 1956–1971: 14 records from Miami to Key West, with 2 at the Tortugas (ENP, *AFN*, *AB*).

Lincoln's Sparrow (*Melospiza lincolni*). Rare to uncommon migrant, Oct.–May. Banded 2, 14 Nov. 1967, 13 Dec. 1970. HY: wing 57, 58; wt. (1) 15.4. Photo: ENP.

Other records: 1954–27 Dec. "First record for the Atlantic coastal strip of the southeastern U.S." (*Wilson Bull.*, **68**: 250). 1956–1974: 14 records in 12 years (3 in the Tortugas) cited in *AFN*, *AB*.

Swamp Sparrow (*Melospiza georgiana*). Common migrant, Oct.–May. Banded 3. Station dates 5 Nov.–21 Jan. 1969 (1), 1970 (1), 1972 (1). HY: 3, wing 59–61 ( $\bar{x}$  = 60); wt. (2) 17.2, 19.1. Birds fat: 2. Photo: ENP.

#### SUMMARY

I operated a banding station at Homestead, Florida for six weeks each fall for 7 years, 1968–1974, and irregularly each winter. Some information from the seasons of 1966–1967, and returns from the winters of 1975–1976 have been added. Given are species handled, numbers of individuals, birds caught per 1,000 net-hours, a comparison of adult to immature, male to female migrants, changes in status of birds formerly considered rare or uncommon, returns and recoveries, and some observations on molt, parasites, and deformities. Two species showed an apparent increase, seven a significant decrease. Some migrants pass through the area before the station opened and regrettably I was absent for a few days each October, often at the peak of migration.

No similar study exists for subtropical Florida. The material presented here gives a base line for future work, or for historical significance as the rural character of Dade County changes with the rapid advance of suburban development.

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