

LONGEVITY RECORDS OF NORTH AMERICAN BIRDS: REMIZIDAE THROUGH PARULINAE

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This paper is the third in a 4-part series supplementing and extending an earlier summary by Kennard (Bird-Banding 46:55-73, 1975). It is based on an extensive review of the literature and a detailed examination of the records in the Bird Banding Laboratory (hereafter BBL), Laurel, Maryland. A more detailed account of the work done and of changes in format from Kennard (op. cit.) is given by Clapp et al. (J. Field Ornithol. 53:81-124, 1982).

Data listed in the table of longevities (Table 2) are presented in the same format as in the preceding papers (Clapp et al. 1982; J. Field Ornithol. 54:123-137, 1983) in this series. The estimated minimum age is calculated by assuming a hatching date of 1 June as was done by Kennard (1975). The number of recoveries includes all processed through August 1982. The figure for the number of birds banded is a composite derived from several sources (Clapp et al. 1982) and is an inexact, but close, approximation of the total number banded since the inception of bird banding in North America. The BBL codes for age and sex plus those describing how the bird was obtained are listed in Table 1.

One of three symbols is usually given before the common name in the list of longevities in Table 2. A # indicates that this is the same bird listed by Kennard (op. cit.). The estimated minimum age for these birds is the same as in Kennard's paper. An * denotes a bird of greater age than that given in the original list, and two ** indicate a species not listed by Kennard. An *# before three entries (Warbling Vireo, Kirtland's Warbler, and Northern Waterthrush) indicates that these are the same birds listed by Kennard, but are listed with greater ages. In two instances (Warbling Vireo and Kirtland's Warbler) these increased ages resulted from recaptures of the birds subsequent to their listing by Kennard. In the third instance, the greater age resulted from our discovery that the age had been calculated improperly in the original paper.

Thirty-one (33.0%) of the records for the 94 forms (including one hybrid) that are listed in Table 2 represent birds older than those listed by Kennard (op. cit.). Forty-four (46.8%) are for taxa not listed in the original paper. Nineteen (20.2%) of the records represent longevities that have not been exceeded since the original paper.

We encourage banders to submit records of avian ages greater than those listed here to the BBL, with copies to Clapp and Klimkiewicz. We also solicit records for species not listed here that are older than the records given by Kennard (1975) or by Clapp et al. (1982, 1983) as well

TABLE 1. Codes used in list of longevities of North American birds (Table 2).

Codes for age and sex and their verbal equivalent

A = Adult	HY = Hatching year	M = Male
AHY = After hatching year	I = Immature	N = Nestling
ASY = After second year	J = Juvenile	SY = Second year
F = Female	L = Local	U = Unknown

Codes for "How Recovered"

00 = Found dead	29 = Sight record; identified by color band or marker other than U.S. Fish and Wildlife Service band
01 = Shot	
03 = Caught due to injury	
04 = Caught by or due to trap or snare other than used for catching birds	33 = Nesting in same 10-minute block of latitude and longitude
10 = Died during banding operations	45 = Found dead or injured on highway
11 = Caught by or due to dog	52 = Sight record: band read by telescope or other means
12 = Caught by or due to cat	
13 = Caught due to striking stationary object other than wires or towers	89 = Trapped and released by bander in different 10-minute block from where originally banded
14 = Struck or struck by motor vehicle	
16 = Collected as scientific specimen or for scientific study	99 = Trapped and released by bander in same 10-minute block where originally banded
17 = Drowned	
21 = Caught or found dead in building or enclosure	

as records for 4-year-old or older birds of species not listed in these papers. This information will be helpful in determining the longevity of North American birds.

ACKNOWLEDGMENTS

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Personnel of the Bird Banding Laboratory, Office of Migratory Bird Management, aided us in locating and verifying longevity records at the BBL. We particularly thank Nancy G. Mullis, whose incomparable knowledge of the recovery files saved us many hours of work; George M. Jonkel, Chief, BBL, for his assistance and encouragement, and Donald E. Wilson, Chief, Museum Section, for permitting the senior author to travel to Patuxent to work on this project. We also thank Mercedes S. Foster for her comments on the manuscript and Bunny Siran for typing assistance. Lyda Eubank and Vicki Bennett typed the final copy.

Table 2. Longevity records of North American Birds

Common name	Band number	Banding date				
Scientific name	Recovery date	Recovery type	Age-Sex	Bander		
(Total recoveries--total banded)	Recovery locale		Banding locale		Data source	Age (yr-mo)
**Verdin <u>Auriparus flaviceps</u> (3-982)	1270-15497 19 Jan 78	29 Nov 73 (99)	AHY-U	C. E. Corchran Tucson, AZ	PC-RC/CEC, BBL	5-07
**Bushtit <u>Psaltriparus minimus</u> (30-6589)	117-18920 20 Nov 77	10 Jun 69 (99)	HY-M	Point Reyes Bird Observatory Bolinas, CA	PC-RC/BS, BBL	8-05
#Red-breasted Nuthatch <u>Sitta canadensis</u> (132-29,095)	101-84069 13 Dec 68	11 Jan 62 (99)	A-M	R. Patterson Mt. Desert, ME	PC-HF/JK, BBL	7-06
*White-breasted Nuthatch <u>Sitta carolinensis</u> (3052-59,526)	H77448 19 Apr 44	18 Nov 34 (99)	(U)-U	D. P. Brokaw Plainfield, NJ	BB17:69, 1946, BBL	9-10
*Brown-headed Nuthatch <u>Sitta pusilla</u> (36-657)	55-82501 26 Mar 60	29 Dec 54 (99)	(U)-U	T. A. Imhof Birmingham, AL	BBL	5-09
#Pygmy Nuthatch <u>Sitta pygmaea</u> (97-3252)	67-26804 4 Aug 69	2 Sep 62 (99)	A-U	A. C. Felt Idyllwild, CA	WBB 45:46 1970, BBL	8-02
#Brown Creeper <u>Certhia familiaris</u> (75-72,305)	118-03630 29 Jan 75	4 Jan 70 (99)	AHY-U	M. J. Wolcott Milford, MI	PC-RC/JF, BBL	4-07
**Red-whiskered Bulbul <u>Pycnonotus jocosus</u> (1-37)	321-93940 5 Jun 68	6 Mar 65 (16)	A-U	W. B. Robertson, Jr. Dade City, FL	BBL	4-00
**Cactus Wren <u>Campylorhynchus brunneicapillus</u> (111-2460)	68-101874 20 Oct 74	17 Jul 68 (17)	U-U	E. L. Radke Cave Creek, AZ	BBL	6-04
*Carolina Wren <u>Thryothorus ludovicianus</u> (549-25-163)	401-80314 15 Jul 46 same	27 Mar 41 (29)	A-M	R. Thomas North Little Rock, AR	EBBA 9(11), 1946,BBL	6-01
**Bewick's Wren <u>Thryomanes bewickii</u> (96-7886)	39-04833 20 Jan 46	21 Jun 39 (99)	A-U	N. E. Ayer Pomona, CA	NBB 24:38, 1949, BBL	7-07
#House Wren <u>Troglodytes aedon</u> (2236-142,696)	108-44450 3 Jul 71	8 May 65 (89)	AHY-U	T. A. Petts 21 km N Alpena, MI	Ring 77:94, 1973, BBL	7-01
**Winter Wren <u>Troglodytes troglodytes</u> (17-14,707)	114-03733 20 Jul 70	28 Aug 66 (99)	U-(M)	Point Reyes Bird Observatory Bolinas, CA	PC-RC/BS,BBL	4-01
**American Dipper <u>Cinclus mexicanus</u> (8-1575)	48-212664 18 Jul 58	6 Jul 54 (33)	A-M	J. L. George, Vera Falls Gothic, CO	BBL	5-01
**Millerbird <u>Acrocephalus familiaris</u> (1-27)	61-171706 25 Aug 68	24 Sep 64 (99)	U-U	E. Kridler Nihoa Is., Hawaiian Is. NWR, Hawaii	BBL	4-02
**Arctic Warbler <u>Phylloscopus borealis</u> (1-39)	108-12552 15 Jul 67	18 Jun 65 (10)	AHY-M	G. C. West Umiat, AK	BBL	3-01
		C.M. White, same				

Table 2. Longevity records of North American Birds (continued)

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Scientific name	Recovery date	Recovery type	Age-Sex	Banders			
(Total recoveries--total banded)	Recovery locale			Banding locale	Data source	Age (yr-mo)	
**Golden-crowned Kinglet <u>Regulus satrapa</u> (46-94-603)	125-53806 6 Oct 76	20 Oct 71 (99)	(U)-M	C. E. Corchran 3 km. S Lake Hubert, MN	PC-RC/CEC,BBL	5-04	
**Ruby-crowned Kinglet <u>Regulus calendula</u> (91-170-088)	X0339 1 Jan 65	28 Nov 59 (89)	(U)-M	D. Bleitz Camp Pendleton, CA	WBB 40:32, 1965,BBL	5-07	
**Blue-gray Gnatcatcher <u>Poliophtila caerulea</u> (7-4,099)	120-94411 24 Aug 73	2 May 70 (99)	AHY-M	Carnegie Museum, Powdemill Nature Reserve, Rector, PA	Carnegie Res. Rept. 35:12, 1974,BBL	4-02	
*Eastern Bluebird <u>Sialia sialis</u> (1618-140,099)	105-106334 5 Jun 74	30 Aug 66 (00)	I-U	E. P. Teulings Chapel Hill, NC	BBL	8-00	
**Western Bluebird <u>Sialia mexicana</u> (114-6736)	A175061 27 Sep 34	1 Feb 31 (99)	A-M	B. L. Clary Coachella, CA	BBL	4-03	
**Mountain Bluebird <u>Sialia currucoides</u> (114-31-383)	78-57691 3 Apr 75	8 Jul 70 (03)	L-U	Manitoba Nat. Hist. Mus., Trans-Canada Hwy, E, Manitoba near Wyndmere, ND	BBL	4-10	
#Veery <u>Catharus fuscescens</u> (157-58,587)	101-145049 15 May 72	2 Sep 63 (13)	HY-U	D. Bordner Island Beach, NJ	PC-JK,BBL	8-11	
**Gray-cheeked Thrush <u>Catharus minimus</u> (34-65,931)	1091-06700 5 Oct 76	29 Sep 70 (89)	AHY-U	G. S. Raynor Manorville, NY	BBL	7-04	
**Swainson's Thrush <u>Catharus ustulatus</u> (171-242-745)	1061-69420 3 Jul 77	30 Jun 68 (99)	AHY-F	Point Reyes Bird Observatory Bolinas, CA	PC-RC/BS,BBL	10-01	
*Hermit Thrush <u>Catharus guttatus</u> (326-116-866)	41-65720 19 Feb 42	22 Nov 33 (99)	(U)-U	W. I. Allen Pasadena, CA	BBL	8-08	
*Wood Thrush <u>Hylocichla mustelina</u> (1052-75,721)	572-12704 8 May 71	24 May 63 (99)	A-U	G. S. Raynor Manorville, NY	BBL	8-11	
*American Robin <u>Turdus migratorius</u> (13,778-494,139)	552-65575 26 May 75	11 Jan 62 (00)	A-(U)	H. L. Cogswell Oakland, CA	BBL	13-11	
**Varied Thrush <u>Ixoreus naevius</u> (30-3303)	265760 20 Jan 35	12 Feb 32 (99)	A-M	T. Pearse Coursinay, British Columbia	BBL	3-07	
*Wrentit <u>Chamaea fasciata</u> (179-5060)	41-63088 27 Jan 54	9 Feb 42 (99)	U-U	J. Linsdale Jamestown, CA	PC-JK/JD,BBL	12-07	
*Gray Catbird <u>Dumetella carolinensis</u> (7935-445,821)	390941 8 May 36	25 May 26 (99)	A-U	B. S. Bowdish Demarest, NJ	BBL	10-11	
*Northern Mockingbird <u>Mimus polyglottos</u> (1348-48,072)	36-145875 22 Aug 46	23 Mar 37 (04)	A-U	H. Michener Pasadena, CA	BBL	9-02	
#Brown Thrasher <u>Toxostoma rufum</u> (4603-126,117)	461076 24 Apr 38	19 Aug 26 (99)	A-U	M. A. Boggs Waynesville, NC	BB 13:113, 1942, BBL	12-10	
**Long-billed Thrasher <u>Toxostoma longirostre</u> (4-317)	623-79483 30 Sep 65	24 Aug 59 (00)	A-U	Laguna Atascosa NWR Santa Ana NWR, Alamo, TX	BBL	7-03	

Table 2. Longevity records of North American Birds (continued)

Common name	Band number	Banding date				
Scientific name	Recovery date	Recovery type	Age-Sex	Bander		
(Total recoveries--total banded)	Recovery locale			Banding locale	Data source	Age (yr-mo)
**Curve-billed Thrasher <u>Toxostoma curvirostre</u> (104-3413)	362-02712 30 Mar 46 same	3 Feb 36 (00)	A-U	C. Stannard Phoenix, AZ	NBB 22:30, 1947, BBL	10-09
**Bendire's Thrasher <u>Toxostoma bendirei</u> (25-226)	392-43921 16 Aug 47	3 Oct 44 (99)	A-U	C. Stannard Phoenix, AZ	BBL	4-02
**California Thrasher <u>Toxostoma redivivum</u> (294-2636)	382-08802 11 May 44	12 Jan 38 (99)	A-U	N. E. Ayer Pomona, CA	BBL	6-11
**Crissal Thrasher <u>Toxostoma dorsale</u> (26-230)	41-338347 6 Nov 44	27 Jul 41	A-U	C. Stannard Phoenix, AZ	BBL	4-05
**LeConte's Thrasher <u>Toxostoma lecontei</u> (4-385)	742-18207 10 Feb 74 same	1 Feb 69 (00)	AHY-M	J. M. Sheppard Maricopa, CA	BBL	5-08
**Water Pipit <u>Anthus spinoletta</u> (20-1961)	38-00961 2 Jul 43 M.L. Bellisle, same	29 Jun 39 (99)	(A)-F	Fr. E. Goellner Manchester, NH	BBL	5-01
**Bohemian Waxwing <u>Bombycilla garrulus</u> (81-13,149)	52-183313 Apr 73	19 Feb 68 (13)	AHY-U	C. S. Houston Saskatoon, Saskatchewan	BBL	5-10
*Cedar Waxwing <u>Bombycilla cedrorum</u> (1155-120,998)	33-154736 16 Jun 70 16.6 km E of Hillsdale, MI	5 Jul 64 (14)	AHY-U	D. J. Cox near Leland, WI	BBL	7-00
**Northern Shrike <u>Lanius excubitor</u> (42-1581)	762-08815 16 Sep 74	15 Jan 73 (45)	ASY-U	T. C. Erdman De Pere, WI	BBL	3-03
*Loggerhead Shrike <u>Lanius ludovicianus</u> (147-8797)	40-347172 ³ 24 Nov 50 A.M. Baumgartner, Stillwater, OK	13 Dec 39 (89)	A-U	A. M. Baumgartner Stillwater, OK	BBL	12-06
*European Starling <u>Sturnus vulgaris</u> (24,049-776,358)	542-76301 Fall 72 same	18 Feb 58 (21)	A-M	F. C. Laskey Nashville, TN	BBL	15-03
*White-eyed Vireo <u>Vireo griseus</u> (64-17,447)	118-65619 15 Sep 74	13 Sep 68 (99)	AHY-U	M. A. Byrd Kiptopeke Beach, VA	PC-RC/FRS,BBL	7-03
**Bell's Vireo <u>Vireo bellii</u> (9-1542)	74-56837 7 May 73	16 Sep 67 (99)	AHY-U	C. A. Ely Hays, KS	PC-RC/CAE,BBL	6-11
**Solitary Vireo <u>Vireo solitarius</u> (9-11,982)	102-00711 1 Nov 68 Santa Eulalia, Guatemala	15 May 62 (01)	(U-U)?	Long Point Bird Observatory Long Point, Ontario	PC-JK, BBL	7-05
*Yellow-throated Vireo <u>Vireo flavifrons</u> (5-2088)	64-93269 5 Jul 67	9 Jul 61 (99)	HY-U	C. S. Robbins Patuxent WRC, Laurel, MD	PC-RC/CSR,BBL	6-01
**Hutton's Vireo <u>Vireo huttoni</u> (1-893)	121-39018 29 Apr 75	2 May 70 (99)	AHY-U	C. Stewart San Andreas Lake, CA	NABB 1:49, 1976, BBL	5-10
*Warbling Vireo <u>Vireo gilvus</u> (50-15,645)	110-70415 16 Jul 78	16 Jun 66 (99)	A-M	Point Reyes Bird Observatory Bolinas, CA	PC-RC/BS, NABB 4:143, 1979,BBL	13-01
**Philadelphia Vireo <u>Vireo philadelphicus</u> (5-11,742)	62-75810 13 Apr 70 Barbarena, Guatemala	28 Aug 62 (01)	A-U	F. Smith Rice Lake, Ontario	OBB 11:77, 1978, BBL	8-10
#Red-eyed Vireo <u>Vireo olivaceus</u> (166-109,279)	69-42199 9 Jun 72	7 Jun 63 (99)	A-U	Carnegie Museum, Powdermill Nature Reserve, Rector, PA	PC-JK, BBL	10-00

Table 2. Longevity records of North American Birds (continued)

Common name	Band number	Banding date					
Scientific name	Recovery date	Recovery type	Age-Sex	Bander			
(Total recoveries-- total banded)	Recovery locale			Banding locale		Data source	Age (yr-mo)
*Golden-winged Warbler <i>Vermivora chrysoptera</i> (10-4098)	101-02280 17 May 68 E. Slonkowski	21 May 61 (99)	A-M	W. A. Lamb 16 km NW Port Huron, MI		PC-RC/WAL,BBL	7-11
**Blue-winged Warbler <i>Vermivora pinus</i> (19-8277)	33-06045 21 May 67 Dix Hills, Huntington, NY	11 Aug 60 (10)	A-U	W. E. Lanyon Huntington, NY		BBL	7-11
#"Brewster's Warbler" <i>Vermivora leucobronchialis</i> (1-206)	48866 ⁴ 13 Jun 27	10 Jun 22 (99)	(A)-M	T. D. Carter Boonton, NJ		EBBA 7(2), 1944, BBL	6-00
*Tennessee Warbler <i>Vermivora peregrina</i> (26-116,284)	125-17303 20 Nov 77	16 Oct 71 (99)	(U)-F	W. A. Thurber, Parque Cerro Verde, Santa Ana, El Salvador		PC-RC/WAT,BBL	6-05
*Orange-crowned Warbler <i>Vermivora celata</i> (61-38,039)	121-89013 14 Mar 76	20 Apr 70 (99)	AHY-M	S. Wells Rancho Palos Verde, CA		NABB 2:191, 1977, BBL	6-09
**Nashville Warbler <i>Vermivora ruficapilla</i> (20-69,428)	118-75260 8 Sep 75 Kingsville, Ontario	8 Sep 68 (12)	HY-F	D. Bridge, Kent Point Kent Island, MD		BBL	7-03
**Virginia's Warbler <i>Vermivora virginiae</i> (1-1045)	112-31406 6 Sep 68 same	5 Sep 66 (10)	A-U	C. H. Snyder Franktown, CO		BBL	3-03
*Northern Parula <i>Parula americana</i> (8-14,112)	1360-63135 9 May 78	21 May 75 (99)	AHY-F	M. Donald, Watts Branch Stream Park, Potomac, MD		PC-MKK/MD,BBL	4-11
*Yellow Warbler <i>Dendroica petechia</i> (323-86-348)	108-63662 4 May 74 M.J. Wolcott	14 May 66 (99)	A-M	G. Garbutt Sthuke's Marsh, Ontario		BBL	8-11
*Chestnut-sided Warbler <i>Dendroica pensylvanica</i> (29-29,432)	1280-26183 20 May 80 Saunderstown, RI	31 Aug 73 (00)	HY-U	D. L. Krauss Kingston, RI		BBL	6-11
#Magnolia Warbler <i>Dendroica magnolia</i> (42-114,294)	105-91409 12 May 70	23 May 64 (99)	A-M	R. Patterson Mt. Desert, ME		PC-HF/JK,BBL	6-11
**Cape May Warbler <i>Dendroica tigrina</i> (40-44,640)	860-15611 27 Sep 78 Mystic, Quebec	15 May 75 (12)	AHY-F	A. B. Flanigan Wathe Hill, OH		BBL	4-03
**Black-throated Blue Warbler <i>Dendroica caerulescens</i> (20-43,891)	117-11636 17 Jun 76	19 Sep 68 (13)	HY-F	D. Mendinhal Damsite, Chestertown, MD		BBL	8-00
*Yellow-rumped (Myrtle) Warbler <i>Dendroica coronata</i> ssp. (571-522,734)	112-12805 23 May 72 South Charleston, WV	11 Nov 65 (00)	U-U	S. Mitchell Newport News, VA		BBL	6-11
**Yellow-rumped (Audubon's) Warbler <i>Dendroica coronata</i> spp. (538-35,107)	16 Jan 50	12 Mar 44 (99)	(AHY)-U	J. T. Birchett Tempe, AZ		BBL	6-07
#Black-throated Green Warbler <i>Dendroica virens</i> (16-29,199)	31-43992 26 May 65	10 Sep 60 (99)	A-M	R. Patterson Mt. Desert, ME		PC-HF/JK,BBL	5-11
Blackburnian Warbler <i>Dendroica fusca</i> (9-13,488)	1500-11989 3 Jul 81	3 Jun 79 (99)	AHY-M	J. Olyphant, Loon Lake, 43 km NNW Grand Marais, MN		BBL	3-01
#Pine Warbler <i>Dendroica pinus</i> (166-7673)	59882 9 Apr 32	16 Apr 26 (99)	(AHY)-U	W. B. Savary East Wareham, MA		BB 8:61, 1937 BBL	6-10

Table 2. Longevity records of North American Birds (continued)

Common name	Band number	Banding date				
Scientific name	Recovery date	Recovery type	Age-Sex	Bander		
(Total recoveries--total banded)	Recovery locale			Banding locale	Data source	Age (yr-mo)
*#Kirtland's Warbler <i>Dendroica kirtlandii</i> (116-1755)	34-51868 11 Jun 49	17 Jun 41 (99)	AHY-M	J. Van Tyne 16.6 km SE Mio, MI	BBL	9-00
#Prairie Warbler <i>Dendroica discolor</i> (17-7370)	20-12914 17 Sep 65	15 Sep 56 (99)	A-M	D. Kraus Kingston, RI	PC-JK,BBL	10-03
#Western Palm Warbler <i>Dendroica palmarum</i> (38-38,005)	114-89766 19 Jan 73	3 Mar 67 (99)	A-U	D. Mendinhall Sanibel, FL	PC-HF/JK,BBL	6-07
#Yellow Palm Warbler <i>Dendroica palmarum</i> <i>hypochrysea</i> (6-7715)	34-28161 6 Apr 41	29 Mar 36 (99)	AHY-(U)	L. T. Melcher Homosassa Springs, FL	PC-AB,BBL	5-10
**Blackpoll Warbler <i>Dendroica striata</i> (23-95,374)	106-06073 4 Nov 65	18 Nov 63 (00)	A-F	P. D. Junkin Round Hill, Sudbury, MA near Kingston, RI	BBL	3-05
#Black-and-white Warbler <i>Mniotilta varia</i> (67-62,990)	24-77393 21 Sep 68	1 Sep 57 (00)	U-F	C. H. Blake Hillsboro, NC J.M. Cadbury, Wyndmoor, PA	PC-JK,BBL	11-03
*American Redstart <i>Setophaga ruticilla</i> (187-168,422)	106-71683 4 Jun 74	7 Sep 64 (11)	I-M	J. G. Reese Tilghmans Island, MD Monhegan Island, ME	PC-MKK/JR,BBL	10-00
#Prothonotary Warbler <i>Protonotaria citrea</i> (57-4365)	40-29355 10 May 45 same	16 Jun 40 (29)	J-(M)	L. H. Walkinshaw Battlecreek, MI	PC-JK, BB 21: 146, 1950, BBL	4-11
**Worm-eating Warbler <i>Limothlypis vermivorus</i> (21-4697)	1270-55074 12 Jul 78 W. Hoover	7 Jun 72 (99)	AHY-U	L. J. Trott, Jr. Capon Bridge, WV	BBL	7-01
**Swainson's Warbler <i>Limothlypis swainsonii</i> (2-655)	53-08251 31 Mar 71	14 Dec 63 (99)	U-U	Institute of Jamaica, Mona Reservoir, St. Andrew, Jamaica	PC-JK,Broad- sheet 17:17, 1971, BBL	7-09
*Ovenbird <i>Seiurus aurocapillus</i> (201-110,319)	44-12531 25 Jun 61	9 Aug 52 (21)	U-U	J. T. Nichols Mastic, Long Island, NY Cold Spring Harbor, NY	BBL	9-00
*#Northern Waterthrush <i>Seiurus noveboracensis</i> (40-63,303)	56-21329 13 May 73	18 Jul 65 (99)	U-U	M. Metcalf Marshfield, VT	PC-JK, BBL	7-11
*Louisiana Waterthrush <i>Seiurus motacilla</i> (9-3,282)	820-42691 5 Oct 80	12 May 73 (99)	AHY-M	K. A. Goodpasture, Basin Spring, 32 km W Nashville, TN	BBL	7-11
**Kentucky Warbler <i>Oporornis formosus</i> (35-8094)	59-72280 22 Jun 64	14 May 59 (99)	A-M	D. D. Stamm Patuxent WRC, Laurel, MD	PC-RC/CSR, BBL	6-00
**Connecticut Warbler <i>Oporornis agilis</i> (2-6783)	63-16810 17 Sep 64	11 Sep 60 (00)	U-U	C. G. Goldbeck Island Beach, NJ Lancaster, PA	BBL	4-03
**Mourning Warbler <i>Oporornis philadelphia</i> (10-16,010)	74-88153 15 May 76	23 May 69 (99)	AHY-M	W. A. Lamb Port Huron, MI	PC-RC/WAL, BBL	7-11
#MacGillivray's Warbler <i>Oporornis tolmiei</i> (8-5747)	1280-81628 26 Dec 73	27 Dec 71 (10)	AHY-M	C. A. Ely, 26 km N Ocozoco- autla, Chiapas, Mexico	BBL	3-06
*Common Yellowthroat <i>Geothlypis trichas</i> (511-189,050)	122-41715 30 May 80	11 Aug 70 (99)	HY-(F)	Carnegie Museum, Powdermill Nature Reserve, Rector, PA	PC-MKK/RCL BBL	9-11

Table 2. Longevity records of North American Birds (continued)

Common name	Band number	Banding date				
Scientific name	Recovery date	Recovery type	Age-Sex	Bander		
(Total recoveries--total banded)	Recovery locale			Banding locale	Data source	Age (yr-mo)
*Hooded Warbler <i>Wilsonia citrina</i> (21-9577)	122-74232 4 May 78	8 Sep 70 (99)	U-M	J. A. Spendelow, 3 km N Chappaqua, NY	PC-RC/JAS, NABB 4:111, 1979, BBL	7-11
**Wilson's Warbler <i>Wilsonia pusilla</i> (24-59,490)	114-31717 16 Apr 73	11 May 67 (99)	A-M	Point Reyes Bird Observatory Bolinas, CA	PC-RC/BS, BBL	6-10
#Canada Warbler <i>Wilsonia canadensis</i> (20-46,973)	106-66390 25 May 71 Cleveland Heights, OH	28 Jun 64 (00)	A-F	R. Pantle Candor, NY	EBBA 36:165, 1973, BBL	7-11
**Painted Redstart <i>Myioborus pictus</i> (3-65)	27-29141 9 Sep 78 same	30 Jan 75 (52)	AHY-(M)	S. H. Spofford Portal, AZ	NABB 4:143, 1979, BBL	4-03
#Yellow-breasted Chat <i>Icteria virens</i> (66-19,995)	62-186066 7 May 72 Marietta, OH	26 May 64 (89)	AHY-U	L. Kiff Point Pleasant, WV	PC-HF/JK, BBL pt.	8-11

1. Measurements of distance given in this table were originally in the English system. These have been converted to the metric system throughout. We also used several abbreviations to conserve space. These are BB (Bird-Banding), EBBA (Eastern Bird-Banding Association News), NABB (North American Bird Bander), NBB (News from the Bird Banders), NWR (National Wildlife Refuge), OBB (Ontario Bird Banding), and WRC (Wildlife Research Center). State name abbreviations were also used to conserve space -- Alabama (AL), Alaska (AK), Arizona (AZ), Arkansas (AR), California (CA), Colorado (CO), Florida (FL), Kansas (KS), Maine (ME), Maryland (MD), Massachusetts (MA), Michigan (MI), Minnesota (MN), New Hampshire (NH), New Jersey (NJ), New York (NY), Ohio (OH), Oklahoma (OK), Pennsylvania (PA), Rhode Island (RI), Tennessee (TN), Texas (TX), Vermont (VT), Virginia (VA), West Virginia (WV), and Wisconsin (WI).
2. WBB 40:32 erroneously lists the banding location as Camp Pendleton, Oregon.
3. When captured this bird was transported to 16.6 km west of Stillwater, Oklahoma and released. When recaptured it was transported 333 km and released near Pryor, Oklahoma.
4. This is an American Bird-Banding Association band. EBBA 7(2), 1944 lists Wyanokee as the banding location but the original records give Boonton.

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