PROCEEDINGS

OF THE

BIOLOGICAL SOCIETY OF WASHINGTON

BIRD MIGRATION IN THE DISTRICT OF COLUMBIA.

BY WELLS W. COOKE,

BUREAU OF BIOLOGICAL SURVEY.

The data on bird migration in the District contained in the records of the Bureau of Biological Survey extend over a long series of years. Before the Biological Survey was organized Coues, Prentiss and Drexler collected assiduously during the years 1858–1861 and have left notes on many hundred specimens. Not many records accumulated during the next fifteen years, but from the late seventies to the present time observations have been almost continuous. On the organization of the Biological Survey, very full notes were obtained for the six years 1886–1891 and, with the aid of the local Audubon Society, for the past six years. The region covered by the District of Columbia is nominally the country within a radius of ten miles of the Capitol, but this limit has been exceeded to include a few notes from contiguous territory.

It will be noticed that the records on fall migration are much less full than for spring. Some common birds have surprisingly few fall dates, e. g. Marsh Wren, Blue-gray Gnatcatcher, Yellow Warbler, Kentucky Warbler, Hooded Warbler, Warbling Vireo, Rough-winged Swallow, Cliff Swallow and Baltimore Oriole. Any one having notes on the date of fall departure of any of the above species, will confer a favor by sending them to the Biological Survey.

The three tables that follow contain the names of 293 species—all at present known to have occurred in the District. This is one more species than is contained in the 1902 list of District birds; the additional species is the Lawrence Warbler obtained by Mr. Osgood, May 12, 1907.

	Latest date of the last one seen.	Nov. 1, '86	20,	. 25,	10.	Nov. 23, '90					Nov. 1, '86		Oct. 17, '61	Nov. 13, '87	Dec. 31, '83	Nov. 30, '90	Oct. 18, '90	Sept. 13, '79	Sept. 2, '87	Aug. 21, '87	Oct. 2, '97
TION.	Average date of the last one seen.	Nov. 12 Oct. 9	Oct. 7	Sept. 4	Oct. 6		Oct. 22						Oct. 8	Sept. 22	Oct. 11	Oct. 31	Sept. 15	Sept. 3	Aug. 29		
GRA	No. of years' record.	4 9	4	4	9	: 5	9				:		9	4	5	00	9	9	00	:	
FALL MIGRATION.	Earliest date of fall arrival.	Sept. 18, '00 Sept. 2, '88	15,	Aug. 18, '89		:	25,		Aug. 22, '03	Sept. 22, '58		Aug. 10, '76				Oct. 2, '07			Aug. 13, '89	Aug. 8, '89	Sept. 5, '82
	Average date of fall arrival.	Oct. 17 Sept. 16	Sept. 25	Aug. 23			0et. 1	Oct. 6	Sept. 24	Sept. 29		Oct. 5				Oct. 10					Sept. 13
	No. of years' record.	9 11	6	00	:		10	6	1	9		10				00	:				00
	Latest date of the last one seen.	May 17, '02 June 2, '07	May 31, '97	June 2, '07	Breeds			April 27, '88	May 12, '89	May 1, '07	Breeds	May 1, '82	Breeds	:	:	May 12, '62	Breeds	:	Rare, sum'r	:	May 19, '87
MIGRATION.	Average date of the last one seen.	April 29 May 22	May 27	May 18			May 6	April 13	May 1	April 27		April 26							May 22	May 15	May 15
IGR.	No. of years' record.	===	6	9	:	:	12	11	5	ò	:	9	:		:	:	:	:	4	1-	9
SPRING M	Earliest date of spring arrival.	Rare, winter April 19, '96	May 8, '07	April 26, '96	April 19, '91	Mar. 30, '07	Rare, winter	Winters	:	:	April 15, '96	Winters	April 13, '04	Mar. 22, '08	Mar. 19, '05	Feb. 16, '08	April 8, '88	April 28, '07	April 26, '91	May 1, '05	April 29, '85
	Average date of spring arrival.	April 6 May 6	May 10	May 1	April 27	April 11	April 12				May 1		April 21	April 8	April 26	Mar. 21	April 17	May 2	May 6	May 4	May 3
	No. of years' record.		10	16	24	55	14	:	:		1		20	19	21	00	24	15	00	10	10
	SPECIES.	Hermit Thrush	Gray-cheeked Thrush	Wilson Thrush	Wood Thrush	Blue-gray Gnatcatcher	Ruby-crowned Kinglet	Golden-crowned Kinglet	Red-breasted Nuthatch	Brown Creeper	Long-billed Marsh Wren	Winter Wren	House Wren	Brown Thrasher	Catbird	American Pipit	Black and White Warbler	Worm-eating Warbler	Blue-winged Warbler	Golden-winged Warbler	Nashville Warbler

Parula Warbler 20	April 26	April 19, '91 .		Breeds	-:			10	Oct. 4	Oct. 16. '99
Cape May Warbler 9	May 7	May 1, '93	4 May 16	May 20, '82	00	Aug. 28	Aug. 4, '92	9	Oct. 12	17.
Yellow Warbler 20	April 22	April 4, '62 .		Breeds	-					
Black-throated Blue Warbler 22	May 2	April 19, '96 1	1 May 19	May 30, '88	00	Aug. 27	Aug. 4, '92	9	Oct. 13	Oct. 19, '88
Myrtle Warbler 6	April 2	Rare, winter 1	4 May 12	May 23, '03	15	Oct. 7	Aug. 7, '59	ō,	Nov. 28	
Magnolia Warbler 18	May 6	April 22, '91	9 May 25	May 30, '91	7	Aug. 24	Aug. 15, '86	6	Sept. 29	Oct. 6, '94
Chestnut-sided Warbler 18	May 4	April 19, '02	7 May 24	May 30, '91	1-	Aug. 17	Aug. 10, '94	5	Oct. 4	Oct. 14, '06
Bay-breasted Warbler 13	May 11	May 2, '96 8	8 May 20	May 27, '88	5	Sept. 8	Aug. 29, '87	1-	Oct. 4	Nov. 6, '87
Black-poll Warbler 23	May 6	April 28, '60 18	8 June 1	June 16, '07	13	Sept. 24	Aug. 31, '96	12	Oct. 11	Oct. 20, '94
Blackburnian Warbler 16	May 5	April 30, '05	9 May 21	June 3, '07	6	Aug. 26	Aug. 14, '86	9	Sept. 23	Oct. 7, '89
Black-throated Green Warbler 15	April 28	April 22, '05	9 May 16	May 30, '07	7	Sept. 3	Aug. 26, '89	6	Oct. 7	Oct. 21, '88
Pine Warbler 6	April 3	Mar. 20, '05 .		Breeds	•			4	Oct. 9	Oct. 29, '82
Yellow Palm Warbler 16	April 9	Mar. 31, '89 1	4 April 26	May 1, '92	9	Sept. 20	Sept. 4, '87	9	Oct. 16	Oct. 28, '06
Prairie Warbler 20	April 24	April 12, '83 .		Breeds .	•			5	Sept. 14	Sept. 20, '84
Ovenbird 16	April 23	April 10, '04 .		3	•			6	Sept. 28	Oct. 17, '90
Water-Thrush 15	April 28	April 22, '94	9 May 25	June 2, '07	œ	Aug. 6	July 21, '94	7	Sept. 21	Oct. 6, '07
Louisiana Water-Thrush 7	April 9	April 2, '05 .		Breeds .	•			22	Sept. 10	Sept. 12, '95
Kentucky Warbler 9	May 4	April 29, '06 .		:						Sept. 2, '06
Connecticut Warbler 2	May 24	May 24, '91 .		May 30, '82	11	Sept. 23	Aug. 28, '86	9	Oct. 13	Oct. 24, '89
Mourning Warbler 10	May 20	May 6, '96	5 May 26	May 30, '07	00	Aug. 19	Aug. 17, '94	:		Oct. 1, '94
Maryland Yellow-throat 27	April 24	April 13, '91 .		Breeds .	•			9	Oct. 11	Oct. 21, '95
Chat 23	April 30	April 16, '76 .		:				4	Sept. 13	Sept. 28, '06
Hooded Warbler 10	April 30	April 19, '96 .		3	•			•		Oct. 1, '99
Wilson Warbler 20	May 10	May 1, '76	7 May 23	May 26, '07	4	Sept. 3	Aug. 27, '87	:		Oct. 6, '04
Canadian Warbler 18	May 9	May 5, '05 12	2 May 24	June 2, '07	1	Aug. 16	July 31, '87	6	Sept. 8	Sept. 24, '89
Redstart 23	April 24	April 15, '77 .		Breeds .	•			13	Sept. 19	Sept. 30, '06
White-eyed Vireo 22	April 23	April 18, '96 .		:	•			4	Oct. 8	Oct. 19, '90
Solitary Vireo 11	April 18	April 6, '05 9	May 9	May 18, '96	5	Oct. 10	Sept. 6, '03	9	Oct. 18	Nov. 3, '06
• • • • • •	April 26			Breeds .	•			5	Sept. 12	Sept. 29, '07
Warbling Vireo 13	April 30	April 21, '95		-	•			60	Aug. 22	Sept. 12, '03
									-	

	Latest date of the last one seen.	11,	60,	. 19,	14,	Sept. 19, '86		14,	19,	13,	13,	Sept. 20, '84	Oct. 6, '07				Oct. 21, '88		Dec. 17, '99			
TON.	Average date of the last one seen.	Oct. 17		Sept. 14	Sept. 10	Sept. 6		Aug. 24	Sept. 15	Oct. 15	Oct. 9	Sept. 16	Sept. 23		Nov. 15	Oct. 27	Oct. 19		Nov. 11		Dec. 16	Nov. 20
RAT	No. of years' record.	4		4	00	00		4	9	2	9	5	5	œ	6	9	7		1		4	00
FALL MIGRATION	Earliest date of fall arrival.				July 8, '89		July 6, '89						Aug. 29, '87		Oct. 3, '06	Sept. 28, '90	Sept. 30, '94	Sept. 26, '03	*******	Oct. 31, '86	Sept. 15, '89‡	Oct. 7, '88
	Average date of fall arrival.				Aug. 5								Aug. 30		Oct. 21	Oct. 7	Oct. 4	Oct. 8		Nov. 21	Oct. 4	Oct. 14
	No. of years' record.		:	:	5	:	:			:		:	2	:	œ	10	2	6		1	14	00
	Latest date of the last one seen.		:	;	May 26, '89	Breeds	June 7, '77	Breeds	,	:			May 30, '07		May 11, '82	May 19, '59	May 21, '93	May 12, '06	Breeds	April 1, '00*	June 14, '99	May 17, '86
MIGRATION.	Average date of the last one seen.				May 12		May 13						May 16		April 6	May 12	May 18	April 30		Mar. 26	May 15	May 14
IGR.	No. of years' record.		:	:	6		2	:	:	:	:	:	7	:	6	17	1	10	:	6	19	9
SPRING M	Earliest date of spring arrival.	April 21, '95	April 2, '05	April 13, '04	Mar. 26, '87	Mar. 30, '90	April 10, '87	Mar. 19, '03	April 18, '96	April 17, '96	April 29, '07	May 1, 78	May 1, '07	Rare, winter			May 3, '85		Mar. 9, '02	Winters	Rare, winter	:
	A verage date of spring record.	April 27	April 11	April 20	April 7	April 13	May 1	April 1	May 3	April 30	May 1	May 5	May 5	April 5	Mar. 13	April 12	May 6		Mar. 19		Mar. 18	May 1
	No. of years' record.	19	14	12	12	16	5	13	12	15	18	5	16	17	00	00	cò	:	10	:	9	9
	SPECIES.	Red-eved Vireo	Rough-winged Swallow	Bank Swallow	Tree Swallow	Barn Swallow	Cliff Swallow	Purple Martin	Summer Tanager	Scarlet Tanager	Indigo Bunting	Blue Grosbeak	Rose-breasted Grosbeak	Chewink	Fox Sparrow	Swamp Sparrow	Lincoln Sparrow	Juneo	Chipping Sparrow	Tree Sparrow	White-throated Sparrow	White-crowned Sparrow

Henslow Sparrow	- 00	April 18	April 10, '89	-		Breeds					4	Oct 13	Oct 9	60, 16	
Yellow-winged Sparrow 1	12	April 22	April 17, '05+ .			;					H 10	Oct 17			
Savanna Sparrow	1	Mar. 20	Rare, winter	6	May 4	May 11, '85	9	Oct. 13	Sept. 2	. '03	0 10	Oct. 23		00 '0	
Vesper Sparrow	17	Mar. 25	:	10	April 5	June 14, '99	2	Aug. 26	Aug. 21.		10	Oct. 21			
Purple Finch	•		Winters	12	May 9	May 26, '07	9	Oct. 21	Sept. 17.	7. '87					
Purple Grackle	11	Feb. 20	Rare, winter .				:				4	Nov. 10			
Rusty Grackle	•		Winters	10	April 12	April 30, '75	1	Oct. 24	Oct. 13	3, '89					
Baltimore Oriole	21	May 3	April 29, '82	•									Ang 9		
Orehard Oriole	17	May 2	April 29, '07								. 00	Ang. 15	Ang. 9	784	
Red-winged Blackbird	9	Mar. 2	Rare, winter .			Breeds			:	:				i .	
Cowbird	9	Mar. 20	:			,,					00	Dec 90			
Bobolink	16	May 3	April 26, '96	-	May 20	May 30, 77	6	Aug. 21	July 2	3, 704	0 4	Oct. 8	Nov 14	. ,85	
Least Flycatcher	16	May 2	April 20, '81	11	May 15	May 20, '04			Aug. 13.		10	Sept. 9	Sept 15	20, 22	
Alder Flycatcher 1	10	May 15	May 8, '06	6	May 21	May 28, '93	00	Aug. 23	Aug. 16.		0	Sept. 15	Sept. 17	7 790	
Green-crested Flycatcher 2	22	May 7	May 1, '92			Breeds					1 10	Sent 1	Sont 1	15 ,07	
Yellow-bellied Flycatcher 1	16	May 14	May 9, '02	1	May 26	May 30, '91	9	Aug. 17	July 28	3, 759	4	Sept. 16		2 2	
Wood Pewee	21	May 5	April 29, '00 .			Breeds					, 70	Oct. 4	-	20, 6	
	50	Mar. 13	Feb. 23, '02 .			:	:				00	Oct. 17			
Crested Flycatcher 2	53	April 30	April 20, '96 .			:	:				9	Sept. 8		29, 107	
Kingbird 2	53	April 29	April 18, '96 .			:					10	Aug. 20		23, '05	
Hummingbird 1	13	May 1	April 23, '91			:	:				10	Sept. 13		18. 35	
Chimney Swift	16	April 17	April 6, '05 .			,,					9	Oct. 10		27. '06	
Nighthawk	11	May 3	April 19, '91 .	•			•				4	Oct. 4			
Whippoorwill 1	17	April 21	April 13, '96§ .						:		4	Oct. 1			
Flicker	9	Mar. 22	Rare, winter .			:				:	4	Dec. 24			
Yellow-bellied Woodpecker			Winters	11	April 14	May 13, '05	=======================================	Oct. 3	Sept. 13	3, '03.					
Kingfisher	7	Mar. 28	Rare, winter	-		Breeds	:		:	:	00	Nov. 19			
Black-billed Cuckoo 1	10	May 7	May 5, '06 .			,,	:				00	Sept. 21	Oct.	. 88	
Yellow-billed Cuckoo	9	May 5	May 3, '07 .	÷		:	•				9	Oct. 7	_	13, '89	
* Accidental May 7, 1889.	-1-	Accidental	† Accidental February 18, 1900	900.	1,7	L'Accidental August 9, 1907	rust	9, 1907.	P &	ceider	ntal	§ Accidental March 18, 1877	877.		

	Latest date of the last one seen.	Nov. 30, '07 Nov. 11, '99	Dec. 18, '87	Oct. 28, '06	23,	. 30,	2,	. 30,		oo .	22,	18,	Nov. 29, '00	Oct. 31, '99	Nov. 9, 78	Dec. 9, '89	Sept. 15, '07	Dec. 5, '94			
MIGRATION.	Average date of the last one seen.	Oct. 15 Nov. 6		Sept. 29		Sept. 21			Oct. 20				Nov. 14.	Oct. 21	Oct. 19		Aug. 27				:
RAT	No. of years' record.	01 01	:	2	60	11	:	5	5	:	:	:	4	4	5	:	2		:	:	:
FALL MIC	Earliest date of fall arrival.				June 29, '02	July 15, '99	. 21,	July 24, '90	Aug. 13, '94	Aug. 21, '97	Aug. 23, '89	Aug. 30, '94		Sept. 1, '90	Aug. 3, '99			July 14, '07	Oct. 5, '88	Aug. 20, '89	Oct. 8, '01
	Average date of farival.					July 21		July 28	Aug. 16		Sept. 5	Sept. 3		Sept. 20	Aug. 13			Aug. 10	Oct. 14	Sept. 23	Oct. 25
	No. of years' record.	: :		:	:	00	00	2	00	:	4	00	:	6	14			4	13	00	10
	Latest date of the last one seen.	Breeds.	:	;	April 24, '90	May 21, '06	May 11, '00	May 16, '96	May 22, '62	May 15, '00	April 22, '87	May 11, '07	Breeds	May 2, '04		April 6, '92	Breeds	June 23, '07	Mar. 14, '07	June 21, '77	April 1, '59
MIGRATION.	Average date of the last one seen.					May 16	May 8					May 2									•
IGR.	No. of years' record.					13	00		:	:		5	:	:	:	:	:	:			:
SPRING M	Earliest date of spring arrival.	Mar. 19, '05 Rare winter		April 2, '05	Mar. 21, '96	April 25, '00	Mar. 12, '06	April 19, '87				Mar. 9, '94	Feb. 20, '59				April 9, '05	Mar. 6, '95	Winters	,,	:
	to otab ogarova Isviria gnirqa	April 5	Mar. 15	April 22	April 15	April 30	May 1	April 23				Mar. 15	Mar. 16				April 19	April 3			
	No. of years' record.	7 01	1	16	5	12	5	22		:	:	7	4	:	:	:	10	5	:	:	:
	SPECIES.	Osprey	Killdeer	Spotted Sandpiper	Bartramian Sandpiper	Solitary Sandpiper	Yellowlegs	Greater Yellowlegs	Semipalmated Sandpiper	Least Sandpiper	Pectoral Sandpiper	Wilson Snipe	Woodcock	Coot	Sora	Virginia Rail	Green Heron	Great Blue Heron	Canada Goose	Ruddy Duck	Golden-eye

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Ring-necked Duck	Lesser Scaup	Greater Scaup	Canvasback	Redhead	Pintail	Blue-winged Teal	Green-winged Teal	Black Duck	Mallard	Hooded Merganser	American Merganser	Bonaparte Gull	Herring Gull	Horned Grebe

PERMANENT RESIDENTS.

The following species occur in the District throughout the entire year:

Bluebird.*

Robin.*

Carolina Chickadee.

Tufted Titmouse.

White-breasted Nuthatch.

Carolina Wren. Mockingbird.*† Migrant Shrike.†

Cedarbird.*
Cardinal.

Song Sparrow.
Field Sparrow.*

Goldfinch.

English Sparrow. Red Crossbill.†

Meadowlark.*

Fish Crow.

Crow.

Blue Jay.

Red-bellied Woodpecker.

Red-headed Woodpecker.*

* Rare in winter.

Pileated Woodpecker. Downy Woodpecker.

Hairy Woodpecker.* †

Great Horned Owl.

Screech Owl. Barred Owl.

Long-eared Owl.

Barn Owl.

Sparrow Hawk.

Bald Eagle.

Broad-winged Hawk. Red-shouldered Hawk.

Red-tailed Hawk. Cooper Hawk.

Sharp-shinned Hawk.

Marsh Hawk. † Turkey Vulture.

Wild Turkey (formerly).

Ruffed Grouse.
Bob-white.
Night Heron.*

Wood Duck.*

† Rare in summer.

RARE OR CASUAL VISITORS.

The following list includes the species that have been noted only a few times in the District. Most of them are stragglers but a few occur here regularly in small numbers.

Bicknell Thrush.—October 3, 1885; May 14-18, 1888; May 17, 1892; May 24, 1893.

Northern Chickadee.—December 10, 1859; December 24, 1876; December 25, 1878; January 2–February 2, 1879; common February 21–April 19, 1885; October 19, 1896.

Short-billed Marsh Wren.—May 5, 1890; May 3, 1893.

Bewick Wren.—Has been noted in the spring of ten different years; average date of arrival April 4, earliest March 26, 1897; has remained to July but not known to nest and no females seen; noted twice in fall, November 24, 1889; December 22, 1890.

Prothonotary Warbler.—May 2, 1861; May 17, 1888; May 11, 1894.

Brewster Warbler.—May 15, 1885; May 1, 1895.

Lawrence Warbler.—May 12, 1907.

Orange-crowned Warbler.—October 13, 1889; October 14, 1894.

Tennessee Warbler.—May 6, 1899; May 15, 1904; May 7, 1905; not rare in fall; average date of arrival September 5, earliest August 31, 1890; average date of departure October 4, latest November 30, 1889.

Usnea Warbler.—This is the northern form of the Parula Warbler. It is a common migrant, but its records can not be separated from those of the Parula.

Cerulean Warbler.—May 5, 1888; May 11, 1890; May 12, 1899; May 29, 1902; May 9 and 15, 1904; May 3 and 11, 1907; once reported in the fall.

Yellow-throated Warbler.—The earliest dates are April 19, 1901; April 30, 1905; April 25, 1907; and the latest are September 7, 1881; September 4, 1890; August 20, 1893; breeds rarely near Dyke, Va.

Kirtland Warbler.—September 25, 1887.

Palm Warbler.—Noted in the spring from April 22, 1885, to May 11, 1890, and in the fall from September 18, 1887, to October 11, 1861; probably occurs each year, but is not distinguished from the Yellow Palm Warbler.

Grinnell Water Thrush.-May 11, 1879; May 5, 1885; August 5, 1886.

Northern Yellow-throat.—Abundant migrant, but the records are not separable from those of the Maryland Yellow-throat.

Philadelphia Vireo.—September 20, 1884; May 12, 1902; May 12, 1907. Northern Shrike.—November 7, 1884; November 6-December 26, 1887; November 17, 1888; October 1, 1891; February 10, 1846; February 2, 1896.

Dickcissel.—Formerly a common breeder; now an accidental visitant. The latest records are: one, May 31, 1887; three, August 4-5, 1890; two, May-July, 1894.

Bachman Sparrow.—April 29, 1896.

Montana Junco.—April 28, 1890.

Lark Sparrow.—August 25-27, 1877; August 8, 1886.

Nelson Sparrow.—September, 1862; September 18, 1893; September 26, 1898; May, 1906.

Lapland Longspur.—Several, December 11, 1886.

Snowflake.—One, November, 1886; a large flock, February 18, 1905.

Pine Finch.—February 25, 1879; March 6, 1885; March 6, 1887; October 24–November 8, 1887; January 22–29, 1888; May 19, 1888; October 24, 1889; common, winter 1896–97; common, May 15–20, 1904; May 10, 1907.

Redpoll Linnet.—One, February 19, 1875; seven, February 12, 1899.

White-winged Crossbill.—One, about 1864; one, about 1874; one, November, 1906; one, August 12, 1907.

Pine Grosbeak.—Several, January 23, 1888.

Bronzed Grackle.—April 17, 1886; April 6, 1887; February 22, 1888; March 8, 1895; March 17–28, 1896; March 4, 1897; February 22, 1898. Yellow-headed Blackbird.—August 29, 1892.

Horned Lark.—December 5, 1860; December 10-11, 1886; April 2, 1887; November 25, 1888; April 7, 1889; October 29, 1889; March 29, 1891; November 25, 1903.

Prairie Horned Lark.—February 8, 1881; January 13-February 16, 1888; August 11, 1889.

Olive-sided Flycatcher.—One, September, 1881; one, May, 1887; one other specimen, without date.

Arkansas Kingbird.—September 30, 1874.

Scissor-tailed Flycatcher.—Once.

Chuck-will's-widow.—July 22, 1895; once, summer 1896.

Snowy Owl.—One, about 1859; one, November, 1885; one, December 30, 1890; about fifteen taken the winter of 1876–77.

Saw-whet Owl.—February 12, 1859; November 1, 1878; December, 1880; October, 1886; December, 1889; December 12, 1890; January 4 and 29, 1891; February 19, 1893.

Short-eared Owl.—April 12, 1859; April 20, 1861; March, 1862; November 13, 1887.

Pigeon Hawk.—September 7, 1878; September 25, 1879; October 13, 1884; October 13, 1889; September 4, 1890; November 10, 1891; April 13, 1898; April 22, 1900.

Duck Hawk.—December, 1878; October 23, 1900; one has been seen several times in winter about the Post Office building.

Golden Eagle.—December 26, 1857; March 7, 1859; December 8 and 16, 1887; November 24, 1890.

Rough-legged Hawk.—One, 1859; December 29, 1879; one, winter 1880; December 3, 1882; two, March, 1888.

Goshawk.—One, before 1883; December 27, 1887; January 1, 1896.

Swallow-tailed Kite.—August 7, 1879; August 3, 1895; April 11, 1897.

Black Vulture.—Four, March 30, 1895; one July, 1896; one December 17, 1899.

Ground Dove.—September, 1844; October 14, 1888.

Passenger Pigeon.—Formerly abundant, now extinct; the latest dates are: September 18, 1877; April 3 and 4, 1887; September 11 and October 19, 1889.

Turnstone.—Three, about 1860; two, May, 1881.

Piping Plover.—March 25, 1881; May 3, 1884.

Semipalmated Plover.—August 26, 1877; May 9, 1879; May 3, 1884; August 22, 1892; August 30-September 22, 1894; August 21, 1897; May 16-25, 1906; May 10, 1907.

Golden Plover.—Once taken nearly fifty years ago.

Long-billed Curlew.—Once taken on the Potomac River.

Ruff.—September 3, 1894.

Willet.—A flock, August 10-11, 1893; other records without dates.

Sanderling.—September, 1874; October 24, 1885; three, September 22, 1894; two, September 26–30, 1898.

Western Sandpiper.—September 8, 11, 14, 22, 1894; August 21-September 3, 1897.

Red-backed Sandpiper.—October 22, 1844; April 22, 1887; September 25, 1894; also on April 24 and November 11—year unrecorded.

Baird Sandpiper.—September 3 and 25, 1894.

Stilt Sandpiper.—September 8, 1885.

Long-billed Dowitcher.—Seven, April, 1884.

Dowitcher.—One, September, 1879.

Northern Phalarope.—August 31, 1891.

Red Phalarope.—October 17, 1885.

Florida Gallinule.—One, 1863; October 15, 1880; August 12-September 7, 1892; September 1, 1893; April 19, 1892.

Black Rail.—One, September, 1861; one, about 1880.

Yellow Rail.—November 17, 1893; October 4, 1879; April 14, 1893.

Clapper Rail.—September 8, 1882.

King Rail.—December 16, 1889; November 7, 1891; December 21, 1892; young, June 26, 1893.

Sandhill Crane.—Once, many years ago.

Yellow-crowned Night Heron.—Once, August, 1901.

Little Blue Heron.—A large flock, August, 1875; July 27, 1878; August 6–13, 1879; August 29, 1880; July 29, 1894; August 2, 1896; July 16, 1904.

Snowy Heron.—Has been reported several times in early fall; some of these records are probably the Little Blue Heron in the white phase.

American Egret.—July 22, about 1858; May 30, 1891; July 8, 29, August 2, 1894; in the early days of the District this species was quite common in August.

Least Bittern.—May 19, 1859; September 19, 1881; August 12, 1892; May 22, 1893; August 14, 1893; August 3, 1899; May 18, 1907; young, August 1, 1894.

American Bittern.—April 30, 1859; November 3-7, 1860; April 8, 1879; April 13, 1883; April 1, 1891; March 22, 1894; August 8, 1894; July 15, 1899.

Glossy Ibis.—One record about 1817; one other record.

Wood Ibis.—July 2, 1892; July 18, 20, 27, 1896.

Whistling Swan.—Average date of arrival in the fall, November 6, earliest October 15, 1901; very rare in spring, March 25, 1881; March 22, 1907.

Brant.—December 16, 1858.

Surf Scoter.—December 11, 1858; February 19 and April 10, 1859.

White-winged Scoter.—November, 1880; October 14, 1882; October 28, 1894; April 18, 1892.

American Scoter.—Once, many years ago.

American Eider.—Once, many years ago.

Old-squaw.—April, 1856; April 15, 1881; April 3, 1889; October 20, 1889; April 20, 1896; one winter record.

Bufflehead.—January 29 and April 10, 1859; April 3, 1876; one other record in November.

Barrow Golden-eye.—Recorded, but doubtful.

Shoveler.—October 28, 1887; September 21, 1894; October 3, 1901.

European Teal.—One, April, 1885.

Baldpate.—Occurs, but no specific dates.

European Widgeon.—October 16, 1892; once in spring.

Gadwall.—One about 1860; a flock, August 24, 1884.

Red-breasted Merganser.—Regular winter resident, but seldom reported; seen, October 23, 1892.

White Pelican.—One, 1863; one, April, 1864; two, fall, 1864; one, October, 1878.

Double-crested Cormorant.—One, 1859; July 19, 1884; November, 1884; two, April 19, 1896; one, October 1, 1896.

Audubon Shearwater.—One record, probably correct.

Leach Petrel.—One, August, 1842; two about 1859; one, June 7, 1891; one, probably this species, January, 1878.

Hawaiian Petrel.—Two, August 29, 1893.

Wilson Petrel.—One about 1859.

Black Skimmer.—September 8, 1858.

Black Tern.—August 17, 1878; September 18, 1882; September 1-18, 1893; August 29-September 22, 1894; August 15-September 3, 1897; August 17, 1898; August 22, 1900.

Least Tern.—One about 1858-9; one August 17, 1878.

Common Tern.—One about 1860; a flock of twelve, May 7, 1894.

Forster Tern.—One, 1876.

Caspian Tern.—September 29, 1896; two, October 4, 1896.

Gull-billed Tern.—Once in the fall.

Laughing Gull.—Two, September 24, 1894; other records without dates. Ring-billed Gull.—January 23, March 13, April 28, 1887; March 30, April 1, 1890; February 5, 1900.

Brunnich Murre.—Several late December, 1896.

Red-throated Loon.—One, spring, 1882; October 20, 1889; November 15, 1892; October 30, 1904.

Loon.—September, 1877; November 4, 1881; December, 1885; October 25–27, 1887; May 1–2, 1888; October 25, 1894; May 24, 1896; June 2, 1907.

Pied-billed Grebe.—September 6, 1845; April 10, 1879; November 3, 1884; April 24, 1887; August 27, 1890; April 21, 1894; September 21–25, 1894.

Holboell Grebe.—September 30, 1877.



Cooke, Wells W. 1908. "Bird migration in the District of Columbia." *Proceedings of the Biological Society of Washington* 21, 107–118.

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