CHARLES C. ADAMS

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William Vogt

A Preliminary List of the Birds of Jones Beach Long Island, N. Y.

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By William Vogt

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A Preliminary List of the Birds of Jones Beach, Long Island, N. Y.

By William Vogt

This list is published in response to so many requests that further delay seems inadvisable. Were it not that numerous visitors to Jones Beach had asked for it, the very obvious gaps in the information it contains would make the writer reluctant to present it until further field work had been possible. It is, however, in respect to the birds most characteristic of the area under consideration, that the list most nearly approaches definitiveness. Families such as the Wood Warblers and Sparrows are the ones concerning which data are lacking, and it is probable that less can be learned of their migrations, at Jones Beach, than elsewhere. Fresh water ducks, marsh birds, shore-birds, and marine birds of the littoral, are most thoroughly discussed, and it is these that attract the majority of bird students to Jones Beach.

The area covered by the records is the entire island, from Jones Inlet to Fire Island Inlet, and from the Atlantic Ocean to South Oyster and Great South Bays; this "strip," as it is known locally, is seventeen miles long and, at its widest point, three-quarters of a mile broad. Its total area is about 5,200 acres. The Jones Beach State Bird Sanctuary, from which comes the preponderance of the records, includes some 400 acres. Birds known to have occurred at the Sanctuary comprise 258 forms; the total list from the strip is 270 species and subspecies and one hybrid.

"Average" arrival and departure dates could not be determined in the mere three years of the writer's residence and it has been necessary, for this reason, to give extreme dates.

Mr. Ludlow Griscom, whose influence in increasing knowledge of the local region can scarcely be over-emphasized, has read the list and supplied many additional data. Before construction, in 1927, of the causeway from Wantagh, Jones Beach—like most other parts of the New York City region—was better known to him than to anyone else. He has, thus, been able to give a much appreciated perspective to the field observations of present-day students; his comments on the *Charadriiformes* have been especially illuminating. Concerning the "good old days" he writes, in part:

"When I first started to Jones Beach in 1910, I hired a rowboat at Amityville and rowed across the bay, steering by compass for the Gilgo Flats, where we would wade ashore. It was not until some years later that I was able to make arrangements with the Coast Guard station to put up there over night, and it was not until some years after that that telephone connections were sufficiently advanced, so that I could phone the Coast Guard station from New York and have them send a boat to Amityville to meet me. This accounts for the small number of trips per annum to the beach, and is also the reason why I and a few friends were the only members of the Linnæan Society who ever went there . . . Prior to the Great War the marshes were unditched and undrained, the swampy area between the Sanctuary pond and the Coast Guard station was twice as wide and deep as it is now, there was far more fresh water swamp, and there were real groves of pitch pine trees on the back side of this fresh water swamp, which have now completely disappeared. The cottage colony at Gilgo did not exist and the beach was a far lonelier, more remote, and more fascinating place than it now seems to me to be . . . In November and December I can still remember the great flocks of Scaup, Brant, Geese, and other water fowl that got up as we crossed the bay, and as we splashed ashore over the Gilgo Flats not a house, not a person was ever in sight . . .

"I hope you will manage to keep the Sanctuary going, as I don't know of a better place for one on the northeast Atlantic Coast."

Those who sit in comfort at the Sanctuary, and with the 24X glasses provided count twelve or fifteen species of waterfowl on the pond at a time, will be interested in another letter from Mr. Griscom, in which he says, in part:

"Since 1915 there has been a very great and marked increase in the rarer fresh water ducks in the whole of the northeastern Atlantic States . . . The active members of the Linnæan Society in those days saw the Green-winged Teal about once every five years [there were 400 at the Sanctuary in one flock in the fall of 1934]; they saw a Hooded Merganser, a Canvasback, or a Redhead about once every ten years, and even as late as 1921 no active member of the Linnæan Society had ever seen a Shoveller alive in the New York City region since 1900. Beginning with 1922 there was a marked and rapid increase of the rarer fresh-water ducks on Long Island, and each year on Jones Beach and the . . . Pond we began to see larger and larger numbers and a greater variety of species . . ."

The most assiduous visitors to Jones Beach of the present day are Messrs. Leo Breslau and Walter Sedwitz of New York; the latter has kindly read the list in manuscript and emended it with material from his extensive notes. Messrs. Warren F. Eaton and Joseph Hickey have also supplied data from their records, as has Dr. E. R. P. Janvrin. I should like to express my appreciation to them and to Mr. Fred

Holman whose accurate and thorough search for published records was of invaluable assistance.

Records ascribed to "Chichester" and the Dutcher and Braislin collections, were received from Mr. Griscom. "In the days when William Dutcher and Dr. William C. Braislin were studying the ornithology of Long Island," he writes, ". . . there was a well-known and intelligent bayman and professional game hunter by the name of Andrew Chichester, who knew the local game and water birds exceedingly well, and who sent the two gentlemen named all specimens of interest in the way of rare and unusual birds for their collections. He also forwarded to Dutcher his migration dates and records for the water birds in general. Both Dutcher and Braislin . . . regarded his observation and knowledge of these groups as entirely satisfactory. These records are all listed as 'Amityville,' as Chichester lived at Amityville, but his hunting and his observations were all done on Jones Beach from the point opposite Fire Island to and including the pond and the marshes which are now the center of the Sanctuary . . . Robert L. Peavey . . . formerly a member of the Linnæan Society often used to go out collecting with Chichester from Amityville, and he confirms in personal conversation to me the territory actually worked by Chichester."

A careful perusal of the list will suggest interesting problems to the philosophically inclined bird student. The annual appearance, often in numbers, of the Mockingbird and Arkansas Kingbird, and the regular occurrence of the Lark Sparrow, indicate that a revision of the current ideas of their movements may be necessary. The marked increase in numbers and species of fresh water ducks that are, undeniably, scarcer in the country as a whole, is probably not without significance. The writer feels, however, that to labor these points without considerably more data, is scarcely justifiable. They may, more properly, be reserved for thorough treatment in separate papers, or for inclusion in a more complete list at some future time.

In the matter of abbreviations, Dr. Chapman's handbook has been followed. P. R.=permanent resident; S. R.=summer resident; T. V.=transient visitant; W. V.=winter visitant. Birds marked with an asterisk are the ones that have not been definitely recorded on the Sanctuary proper.

Common Loon. *Gavia immer immer.*—Abundant T. V., common W. V., rare S. V. August 3, 1932 (Vogt), to June 24, 1923 (Griscom).

Red-throated Loon. *Gavia stellata.*—Uncommon T. V. and W. V. October 16, 1932 (Breslau, Sedwitz, and Lind), to May 30, 1925 (Griscom).

Holboell's Grebe. *Colymbus grisegena holboelli.*—Uncommon W. V. December 28, 1913 (Griscom), to May 2, 1932 (Vogt).

Horned Grebe. *Colymbus auritus.*—Abundant T. V., common W. V. September 18, 1932 (Vogt), to May 26, 1923 (Crosby and Griscom).

Pied-billed Grebe. *Podilymbus podiceps podiceps.*—Abundant T. V., rare W. V. July 24, 1927 (Griscom), to April 15, 1934 (Vogt).

Sooty Shearwater. *Puffinus griseus.*—Regular S. V. May 22, 1927 (Cleaves and Friedman), to October 16, 1932 (Breslau and Sedwitz).

Greater Shearwater. *Puffinus gravis.*—Regular S. V. May 26, 1934 (Breslau and Sedwitz), to October 20, 1932 (Vogt).

Cory's Shearwater. *Puffinus diomedea borealis.*—Irregular S. V. July, 1924 (Boulton), to August 28, 1924 (Griscom).

Wilson's Petrel. *Oceanites oceanicus.*—Rare S. V. July 23, 1933 (Sedwitz), to August 24, 1933 (Vogt). Common off shore.

Eastern Brown Pelican.* *Pelecanus occidentalis occidentalis.*—May 26, 1912 (Johnson and Griscom, Auk, XXIX, p. 389).

Gannet. *Moris bassana.*—T. V., common off shore. April 8, 1932 (Vogt), to May 30, 1926 (Eaton and Friedman); October 1, 1933 (Local Bird Club), to December 13, 1931 (Breslau, Lind and Sedwitz).

Double-crested Cormorant. *Phalacrocorax auritus auritus.*—Common T. V., rare S. V., casual W. V. April 8, 1932 (Vogt) to June 23, 1923 (Griscom); September 7, 1932 (Vogt), to December 1, 1931 (Breslau, Lind and Sedwitz); February 23, 1931, 100 flying east (Janvrin, Bird-Lore, XXXIII, p. 193).

European Cormorant. *Phalacrocorax carbo carbo.*—Rare visitant. May 27, 1923 (Crosby, Griscom, Janvrin and J. M. Johnson, Bird-Lore, XXV, p. 257); May 29, 1926 (Griscom); September 18, 1932 (Vogt, Bird-Lore, XXXIV, p. 396).

Great Blue Heron. *Ardea herodias herodias.*—Uncommon T. V. and S. V., and rare W. V.

American Egret. *Casmerodius albus egretta.*—Uncommon but regular S. V. April 25, 1934 (Vogt), to October 13, 1933 (Vogt, Bird-Lore, XXXV, p. 326).

Snowy Egret. *Egretta thula thula.*—Rare S. V. August 3, 1930 (Watson, Grossman and Most, Bird-Lore XXXII, p. 357), to September 9, 1933 (Vogt).

Louisiana Heron.* *Hydranassa tricolor ruficollis.*—Casual S. V. August 20, 1930 (Watson, et al., Bird-Lore, XXXII, p. 430).

Little Blue Heron. *Florida caerulea caerulea.*—T. V. and S. V., rare in spring, at times common in late summer. April 18, 1932 (Vogt), to May 27,

1923 (Crosby, Griscom, etc., Bird-Lore, XXV, p. 257); July 17, 1933 (Vogt), to September 30, 1934 (Breslau, Sedwitz and Wolfram).

Eastern Green Heron. *Butorides virescens virescens.*—Common S. R. April 11, 1931 (Heron, '32), to December 12, 1934 (Herholdt). The latter bird was seen almost daily, to this date, by various observers.

Black-crowned Night Heron. *Nycticorax nycticorax hoactli.*—Common T. V., uncommon S. V. and W. V.; may be found throughout the entire year.

Yellow-crowned Night Heron. *Nyctanassa violacea violacea.*—Rare T. V. March 19, 1933 (Harrower), to March 31, 1932 (Vogt); July 10, 1932 (Vogt, Bird-Lore, XXXIV, p. 338), to September 11, 1933 (Woodmere Academy Bird Club).

American Bittern. *Botaurus lentiginosus.*—Abundant T. V., rare W. V.; has bred, March 17, 1933 (Vogt), to June 14, 1914 (R. L. Peavey, Griscom, '23); July 12, 1933 (Vogt), to December 10, 1933 (Vogt); January 14, 1934 (Vogt). Nest, and five young, May 27, 1922 (Griscom).

Eastern Least Bittern. *Ixobrychus exilis exilis.*—Rare T. V. May have bred. May 15, 1932 (Vogt), to May 28, 1922 (Janvrin, Griscom, Crosby and J. M. Johnson).

Canada Goose. *Branta canadensis canadensis.*—Common W. V. Feral birds breed. October 12, 1934 (Vogt), to March 13, 1932 (Vogt).

American Brant. *Branta bernicla hrota.*—Common W. V., casual S. V. November 1, 1932 (Vogt), to May 29, 1926 (Griscom); August 1, 1933 (Hickey and Thomas, Bird-Lore, XXXV, p. 271).

Snow Goose. *Chen hyperborea subsp.*—Three records: November 4, 1934 (Matuszewski); November 15, 1896 (Chichester); November 18, 1934 (Vogt). It is probable that this bird is a regular T. V., though it is seldom recorded.

Blue Goose.* *Chen caerulescens.*—One record: one female collected, November 22, 1893 (Chichester), in Dutcher collection.

Common Mallard. *Anas platyrhynchos platyrhynchos.*—Common P. R. Breeds commonly and it may be that nesting birds are feral; there is, however, a marked increase in numbers in the winter, and Mallards banded at the Sanctuary have been recovered as far away as Ontario and Minnesota.

Black Duck. *Anas rubripes.*—Abundant W. V.; breeds regularly in small numbers. Both races occur but because of the difficulty in separating them in the field it is impossible to give exact dates. Red-legged Black Ducks have been banded from August 3, 1933, to March 29, 1934.

Gadwall. *Chaulelasmus streperus.*—Rare W. V. August 25, 1923 (Boulton, Carter, Griscom and Urner), to February 12, 1932 (Vogt).

European Widgeon. *Mareca penelope.*—Rare but regular T. V. October 7, 1934 (Vogt), to November 25, 1934 (Vogt); March 23, 1934 (Vogt), to April 29, 1934 (Vogt).

Baldpate. *Mareca americana.*—Common T. V. September 4, 1926 (Griscom), to December 10, 1933 (Vogt); January 1, 1934 (Vogt), to June 17, 1933 (Vogt, Bird-Lore XXXV, p. 271).

American Pintail. *Dafila acuta tzitzihoa.*—Abundant T. V. and rare W. V. August 26, 1923 (Griscom), to April 20, 1932 (Vogt).

European Teal. *Nettion crecca.*—Accidental visitant. April 9, 1933 (J. and R. Kuerzi, Vogt, Auk, L, p. 445); April 3, 1934 (Vogt).

Green-winged Teal. *Nettion carolinense.*—Common T. V. August 20, 1933 (Breslau and Sedwitz), to December 27, 1932 (Vogt); January 3, 1933 (Vogt), to May 13, 1934 (Vogt).

Blue-winged Teal. *Querquedula discors.*—Tolerably common T. V., rare S. V. July 4, 1932 (Vogt), to October 26, 1930 (Heron, '30); March 24 (Chichester), to June 26, 1934 (Vogt).

Shoveller. *Spatula clypeata.*—Rare T. V. October 25 (Chichester), to November 19, 1899 (Chichester)—specimens in Braislin collection; March 2, 1932 (Vogt).

Wood Duck. *Aix sponsa.*—Rare T. V. September 4, 1926 (Griscom, Abstract Proceedings Linnæan Society, Nos. 39-40, p. 15), to November 19, 1932 (Vogt).

Redhead. *Nyroca americana.*—Rare T. V. October 7, 1934 (Vogt), to November 26, 1933 (Vogt); February 10, 1932 (Vogt), to April 27, 1934 (Vogt).

Ring-necked Duck. *Nyroca collaris.*—Rare T. V. November 3, 1898 (Braislin collection) to December 12, 1932 (Vogt); January 24, 1934 (Vogt), to April 8, 1934 (Vogt).

Canvas-back. *Nyroca valisineria.*—Rare T. V. October 21, 1933 (Vogt), to December 26, 1930 (Vogt); February 11 (Chichester), to March 17, 1933 (Vogt).

Greater Scaup Duck. *Nyroca marila.*—Abundant T. V., common W. V., rare S. V. September 4, 1926 (Griscom, Abstract Proceedings Linnæan Society, Nos. 39-40, p. 15), to June 23, 1933 (Vogt).

Lesser Scaup Duck. *Nyroca affinis.*—Common T. V., uncommon W. V. September 18, 1932 (Vogt), to June 8, 1932 (Vogt, Bird-Lore, XXXIV, p. 271).

American Golden-eye. *Glaucionetta clangula americana.*—Rare W. V. November 12, 1911 (Griscom), to March 25, 1932 (Vogt).

Buffle-head. *Charitonetta albeola.*—Rare W. V. November 8, 1934 (Vogt), to February 19, 1932 (Vogt).

Old-squaw. *Clangula hyemalis.*—Uncommon W. V. November 15, 1931 (Breslau, Lind and Sedwitz), to April 29, 1933 (Vogt).

Eastern Harlequin Duck. *Histrionicus histrionicus histrionicus.*—One record: February 25, 1934 (Vogt). This bird, a female, observed at leisure within 100 yards.

King Eider.* *Somateria spectabilis.*—One record: November 13, 1899 (Braislin collection).

White-winged Scoter. *Melanitta deglandi.*—Common W. V., rare in summer. August 2, 1925 (Eaton), to May 29, 1921 (Griscom).

Surf Scoter. *Melanitta perspicillata.*—Common W. V. September 4, 1926 (Griscom), to May 31, 1925 (Eaton and Griscom).

American Scoter. *Oidemia americana.*—Uncommon W. V. September 1, 1923 (Griscom), to May 31, 1925 (Griscom and Eaton).

Ruddy Duck. *Erismatura jamaicensis rubida.*—Regular but uncommon T. V., casual S. V. October 7, 1934 (Vogt), to December 31, 1930 (Heron, —'30); February 8, 1932 (Vogt), to May 27, 1934 (Vogt). A pair present throughout summer of 1923 (Griscom).

Hooded Merganser. *Lophodytes cucullatus.*—Uncommon but regular T. V. July 29, 1934 (Vogt and Sedwitz), to November 26, 1933 (Vogt); March 23, 1934 (Vogt), to April 22, 1933 (Vogt).

American Merganser. *Mergus merganser americanus.*—Uncommon W. V. September 10, 1933 (Vogt); November 8, 1910 (Griscom), to April 24, 1933 (Vogt).

Red-breasted Merganser. *Mergus serrator.*—Common T. V., uncommon W. V. September 16, 1933 (Vogt), to June 5, 1932 (Vogt).

Eastern Goshawk. *Astur atricapillus atricapillus.*—One record: December 16, 1933 (Vogt).

Sharp-shinned Hawk. *Accipiter velox velox.*—Tolerably common T. V. April 18, 1932 (Vogt), to May 12, 1933 (Herholdt); August 27, 1933 (Vogt), to September 30, 1932 (Vogt).

Cooper's Hawk. *Accipiter cooperi.*—Tolerably common T. V., rare W. V. March 28, 1934 (Vogt), to April 29, 1934 (Vogt); September 11, 1933 (Woodmere Academy Bird Club), to November 17, 1934 (Vogt); January 3 and February 16, 1933 (Vogt).

Eastern Red-tailed Hawk. *Buteo borealis borealis.*—One record: October 9, 1932 (Vogt).

American Rough-legged Hawk. *Buteo lagopus sancti-johannis.*—Common W. V. October 12, 1934 (Vogt), to April 29, 1934 (Vogt).

Southern Bald Eagle. *Haliaeetus leucocephalus leucocephalus.*—Four records: May 19, 1934 (Vogt); August 27, 1924 (Griscom); October 30, 1934 (Herholdt); December 9, 1934 (Cruickshank and Murdock).

Marsh Hawk. *Circus hudsonius.*—Common permanent resident. Breeds.

Osprey. *Pandion haliaetus carolinensis.*—Common T. V. March 23, 1933 (Vogt), to May 28, 1922 (Griscom); August 4, 1933 (Vogt), to November 1, 1931 (Breslau, Lind and Sedwitz).

Black Gyrfalcon. *Falco rusticolus obsoletus.*—Casual visitant. October 13, 1934 (Vogt), to October 20, 1934 (Lane, Bird-Lore, Vol. XXXVI, p. 364). This bird was clearly seen by the above observers, and by Walter Sedwitz on October 14; there seems little doubt that the species was correctly identified.

Duck Hawk. *Falco peregrinus anatum.*—Common T. V., more numerous in the fall. April 29, 1934 (Vogt) to May 28, 1922 (Crosby, Griscom, Janvrin and J. M. Johnson, '23); September 2, 1934 (Vogt), to December 8, 1932 (Vogt).

Eastern Pigeon Hawk. *Falco columbarius columbarius.*—Common T. V., more numerous in the fall, rare W. V. July 27, 1924 (Griscom), to October 22, 1932 (Vogt); April 29, 1933 (Vogt), to May 21, 1933 (Vogt); February 2, 1930 (Heron, 1930); January 15, 1933 (Vogt).

Eastern Sparrow Hawk. *Falco sparverius sparverius.*—Common T. V., uncommon W. V. March 4, 1934 (Vogt), to April 24, 1933 (Vogt); July 30, 1933 (Vogt), to December 27, 1932 (Vogt). Many winter dates.

Eastern Bob-white. *Colinus virginianus virginianus.*—This species, introduced at the Sanctuary in the autumn of 1932, did not survive.

Pheasant. *Phasianus colchicus.*—This species, introduced in the fall of 1932, has flourished and is now widely distributed over the "strip."

Northern Clapper Rail. *Rallus longirostris crepitans.*—Common S. R. April 9, 1933 (Vogt), to September 5, 1932 (Vogt). Breeds. Before the marshes were drained to eradicate mosquitoes, far more abundant.

Virginia Rail. *Rallus limicola limicola.*—Common S. R. May 2, 1933 (Vogt), to September 7, 1932 (Vogt). Breeds.

Sora. *Porzana carolina.*—Uncommon T. V. May 5, 1933 (Vogt) to May 27, 1923 (Griscom); August 26, 1923 (Griscom), to October 7, 1932 (Vogt).

Yellow Rail.* *Coturnicops noveboracensis.*—One record: A bird killed at the Jones Beach water tower, September 10, 1932, and turned over to the American Museum of Natural History (Auk, L, p. 446).

Black Rail. *Creciscus jamaicensis stoddardi.*—Exact status unkown. May 3, 1933 (Vogt, Bird-Lore, XXXV, p. 211), to May 28, 1922 (Janvrin, Griscom, Crosby and J. M. Johnson); August 10, 1924 (Griscom), to September 29, 1934 (Matuszewski). Several spring records suggest that the bird may breed.

Purple Gallinule. *Ionornis martinica.*—One record: June 21, 1934 (Vogt, Auk, LI, p. 518).

American Coot. *Fulica americana americana.*—Common T. V. March 9, 1933 (Vogt), to May 30, 1926 (Eaton and Friedman); August 3, 1930 (Watson, Grossman and Most), to December 10, 1933 (Vogt).

Piping Plover. *Charadrius melodus.*—Common S. R. March 31, 1932 (Vogt), to September 9, 1933 (Vogt). Breeds.

Semipalmated Plover. *Charadrius semipalmatus.*—Abundant T. V. April 29, 1932 (Vogt), to June 27, 1930 (Thayer, Bird-Lore, XXXII, p. 357); July 9, 1932 (Vogt), to November 18, 1934 (Sedwitz).

Killdeer. *Oxyechus vociferus vociferus.*—Abundant T. V., and rare S. R. March 13, 1932 (Vogt), to November 17, 1934 (Vogt). Breeds.

Golden Plover. *Pluvialis dominica dominica.*—Not uncommon fall migrant. August 5, 1934 (Breslau and Sedwitz), to November 25, 1934 (Cruickshank).

Black-bellied Plover. *Squatarola squatarola.*—Common T. V. March 21, 1933 (Vogt), to July 1, 1934 (Vogt); July 12, 1933 (Vogt), to December 2, 1934 (Sedwitz, Breslau and Carleton). Uncommon prior to 1914 (Griscom).

Ruddy Turnstone. *Arenaria interpres morinella.*—Tolerably common T. V. May 9, 1933 (Vogt), to June 21, 1930 (Thayer, Bird-Lore, XXXII, p. 357); July 23, 1932 (Breslau, Sedwitz and Lind), to October 12, 1931 (Sedwitz). Rare transient prior to 1919 (Griscom).

Wilson's Snipe. *Capella delicata.*—Common T. V. March 31, 1932 (Vogt), to May 11, 1932 (Vogt); September 7, 1933 (Vogt), to December 28, 1913 (Griscom).

Long-billed Curlew.* *Numenius americanus americanus.*—One record: August 6, 1931 (Heron, '32).

Whimbrel.* *Phaeopus phaeopus phaeopus.*—One record: September 4, 1912 (Miller, Auk, XXXII, p. 226).

Hudsonian Curlew. *Phaeopus hudsonicus.*—Rare spring, common fall, transient. May 26, 1923 (Crosby and Griscom), to June 24, 1923 (Griscom, Boulton and Urner, Bird-Lore, XXV, p. 323); July 16, 1932 (Vogt), to October 10, 1929 (Kuerzi, Bird-Lore, XXXI, p. 408). Much less common twenty years ago (Griscom).

Upland Plover. *Bartramia longicauda.*—One record: August 26, 1934 (J. Kuerzi, Sedwitz, et al).

Spotted Sandpiper. *Actitis macularia.*—Common S. R. April 25, 1933 (Vogt), to September 22, 1932 (Vogt). Breeds.

Eastern Solitary Sandpiper. *Tringa solitaria solitaria.*—Uncommon T. V. May 21, 1932 (Vogt); July 24, 1927 (Griscom), to September 4, 1932 (Vogt).

Willet. *Catoptrophorus semipalmatus.* Rare spring, common fall, transient, May 30, 1925 (Griscom and Eaton); July 20, 1934 (Vogt), to September 9, 1934 (Cruickshank). No records for many years prior to 1925 (Griscom).

Greater Yellow-legs. *Totanus melanoleucus.*—Common T. V. March 29, 1934 (Vogt), to November 26, 1933 (Vogt). This bird is recorded daily throughout June and July and for this reason it is impossible to give specific migration dates indicating when the northward migration gives way to the southward.

Lesser Yellow-legs. *Totanus flavipes.*—T. V., rare in spring, common in fall. April 20, 1932 (Vogt), to May 23, 1933 (Vogt); June 18, 1933 (Sedwitz, Bird-Lore, XXXV, p. 271), to October 26, 1930 (Heron, 1930).

American Knot. *Calidris canutus rufus.*—Not uncommon T. V. May 6, 1934 (Vogt), to June 17, 1934 (Vogt); July 26, 1933 (Vogt), to September 23, 1933 (Vogt). Exceedingly rare prior to 1919 (Griscom).

Purple Sandpiper.* *Arquatella maritima.*—Two records: November 18, 1934 (Sedwitz, Carleton and Breslau); November 23, 1899 (Braislin collection).

Pectoral Sandpiper. *Pisobia melanotos.*—Common T. V. May 6, 1932 (Vogt), to June 14, 1931 (Sedwitz and Wolfram); July 14, 1932 (Vogt), to November 25, 1934 (Vogt).

White-rumped Sandpiper. *Pisobia fuscicollis.*—Tolerably common T. V. May 13, 1932 (Vogt), to June 26, 1934 (Vogt); July 24, 1927 (Griscom and Watson), to October 28, 1934 (Breslau, Sedwitz and Carleton). Unknown in spring prior to 1915 (Griscom).

Baird's Sandpiper. *Pisobia bairdi.*—Rare T. V. June 3, 1934 (Vogt), to June 14, 1931 (Sedwitz and Wolfram); August 25, 1923 (Griscom), to October 21, 1934 (Breslau, Matuszewski and Sedwitz).

Least Sandpiper. *Pisobia minutilla.*—Common T. V. May 1, 1933 (Vogt), to June 3, 1934 (Vogt); June 5, 1932 (Vogt), to November 18, 1934 (Sedwitz).

Curlew Sandpiper. *Erolia testacea.*—One record: August 7, 1932 (Herbert, Jaques, Vogt, Auk, L., p. 446).

Red-backed Sandpiper. *Pelidna alpina sakhalina.*—Tolerably common T. V. April 22, 1933 (J. Vogt), to July 2, 1934 (Moore); August 20, 1933 (Sedwitz), to December 2, 1934 (Vogt). Very rare spring, uncommon fall, migrant, prior to 1919—an event to see one (Griscom).

Eastern Dowitcher. *Limnodromus griseus griseus.*—Common T. V. May 9, 1933 (Vogt), to June 10, 1934 (Vogt); June 26, 1934 (Vogt), to September 13, 1932 (Vogt); June 18, 1933 (Sedwitz, Bird-Lore, XXXV, p. 271). Rare prior to 1922 (Griscom).

Long-billed Dowitcher. *Limnodromus griseus scolopaceus.*—Rare T. V. July 1, 1934 (Vogt), to September 9, 1932 (Vogt).

Stilt Sandpiper. *Micropalama himantopus.*—Tolerably common T. V. in fall. July 8, 1934 (Vogt), to September 13, 1932 (Vogt).

Semipalmated Sandpiper. *Ereunetes pusillus.*—Abundant T. V. May 3, 1933 (Vogt), to June 28, 1932 (Vogt); July 8, 1934 (Vogt), to November 18, 1934 (Breslau, Sedwitz and Carleton).

Western Sandpiper. *Ereunetes mauri.*—An increasingly common T. V. May 15, 1932 (Breslau, Sedwitz, and Lind), to June 18, 1933 (Sedwitz, Bird-Lore, XXXV, p. 271); July 23, 1932 (Breslau, Sedwitz and Lind), to November 1, 1932 (Breslau, Lind and Sedwitz, Bird-Lore XXXIV, p. 10).

Marbled Godwit. *Limosa fedoa.*—Rare T. V. August 1, 1932 (J. and R. Kuerzi, Vogt, Bird-Lore, XXXIV, p. 339), to September 22, 1934 (Breslau, Sedwitz, et al.).

Hudsonian Godwit. *Limosa haemastica.*—Rarer T. V. May 22, 1932 (Vogt, Bird-Lore, XXXIV, p. 271); October 28, 1934 (Sedwitz, Carleton and Breslau).

Sanderling. *Crocethia alba.*—Common T. V. April 22, 1933 (J. Vogt), to June 24, 1923 (Griscom, Boulton and Urner, Bird-Lore, XXV, p. 323); July 9, 1932 (Vogt), to November 26, 1933 (Vogt).

Red Phalarope. *Phalaropus fulicarius.*—Three records: May 28, 1934 (Vogt); May 30, 1925 (Eaton, Griscom and Johnson); 1 shot, November 28, 1888 (Dutcher collection).

Wilson's Phalarope. *Steganopus tricolor.*—Rare T. V. July 29, 1934 (Sedwitz), to September 9, 1934 (Breslau and Sedwitz).

Northern Phalarope. *Lobipes lobatus.*—Rare T. V. May 12, 1932 (J. Vogt), to May 30, 1925 (Griscom and Eaton); September 16, 1934 (Herbert and Vogt).

Pomarine Jaeger.* *Stercorarius pomarinus.*—Two records: July, 1924 (Boulton); a specimen in the Dutcher collection, shot in 1885.

Parasitic Jaeger. *Stercorarius parasiticus.*—Rare T. V. off shore. August 4, 1933 (Vogt), to November 9 (specimen in the Braislin collection).

Long-tailed Jaeger.* *Stercorarius longicaudus.*—One record: June 8, 1934 (Matuszewski, Bird-Lore, XXXVI, p. 242).

Glaucous Gull. *Larus hyperboreus.*—Uncommon, formerly accidental, W. V.; stragglers remained all summer after flight years (Griscom); July 24, 1927 (Griscom), to May 30, 1926 (Eaton).

Iceland Gull. *Larus leucopterus.*—Uncommon, formerly accidental, W. V. January 3, 1933 (Vogt), to May 28, 1922 (Crosby, Griscom, Janvrin and Johnson, '23).

Kumlien's Gull. *Larus leucopterus x Larus argentatus thayeri.*—One record: December 16, 1934 (Peterson and Vogt). This bird studied on the ice and in flight, with 6x, 8x and 24x binoculars, within 500 feet.

Great Black-backed Gull. *Larus marinus.*—Common W. V. August 14, 1932 (Vogt), to June 24, 1923 (Boulton, Griscom and Urner).

Herring Gull. *Larus argentatus smithsonianus.*—Common permanent resident, though not abundant in summer.

Ring-billed Gull. *Larus delawarensis.*—Common T. V., uncommon W. V., rare S. V.

Laughing Gull. *Larus atricilla.*—Uncommon T. V. May 4, 1932 (J. Vogt), to June 28, 1932 (Vogt); July 12, 1933 (Vogt), to November 18, 1934 (Sedwitz). Practically unknown years ago, disappearing in late 80's or early 90's (Griscom).

Bonaparte's Gull. *Larus philadelphia.*—Uncommon T. V. April 15, 1932 (Vogt), to June 3, 1934 (Vogt); September 11, 1930 (Breslau, Sedwitz and Grossman), to December 17, 1933 (Vogt).

Atlantic Kittiwake.* *Rissa tridactyla tridactyla.*—Rare W. V. December 27, 1913 (Griscom).

Gull-billed Tern.* *Gelochelidon nilotica aranea.*—One record: September 9, 1934 (Matuszewski, et al.).

Forster's Tern. *Sterna forsteri.*—Rare fall T. V. July 10, 1932 (Vogt), to November 17, 1933 (A. O. U. Field Trip).

Common Tern. *Sterna hirundo hirundo.*—Common S. R. May 14, 1933 (Vogt), to October 26, 1930 (Breslau, Sedwitz and Grossman). Breeds. Rare spring, uncommon fall, migrant from early 90's to 1919 (Griscom).

Arctic Tern. *Sterna paradisaea.*—Rare or casual S. V. July 19, 1933 (Vogt, Bird-Lore, XXXV, p. 271), to August 28, 1924 (Griscom).

Roseate Tern. *Sterna dougalli dougalli.*—Uncommon S. V. May breed. May 27, 1934 (Vogt), to September 2, 1923 (Carter and Griscom). Unknown from the late 80's to 1920 (Griscom).

Least Tern. *Sterna antillarum antillarum.*—Common S. R. May 2, 1933 (Vogt), to September 9, 1934 (Vogt). Breeds. May 23, 1920, first record in many years; bred in 1924 but not in 1925 (Griscom).

Black Tern. *Chlidonias nigra surinamensis.*—Irregular T. V., rare in spring, frequently common in fall. May 29, 1921 (Griscom and Johnson, Abstract Proceedings Linnæan Society, Nos. 33-36, p. 24); July 20, 1934 (Moore), to September 25, 1932 (Vogt).

American Caspian Tern. *Hydroprogne caspia imperator.*—Uncommon T. V., rare in spring. May 11, 1898 (Braislin collection); May 30, 1925 (Griscom, Johnson and Eaton, Auk, XLV, p. 497); August 15, 1926 (Friedman, Auk, XLV, p. 497), to October 12, 1934 (Sedwitz and Vogt).

Black Skimmer. *Rynchops nigra nigra.*—Uncommon S. V., rare S. R. May 6, 1893 (Dutcher collection) to October 2, 1932 (Vogt, Auk, L. p. 446). August 18, 1934 (downy young in Gilgo State Park, Auk, LI, p. 521).

Brünnich's Murre.* *Uria lomvia lomvia.*—Three records: November 22, 1901; December 30, 1901; March 2, 1902 (specimens in Braislin collection).

Dovekie. *Alle alle.*—Casual W. V. November 17, 1932 (Vogt), to January 12, 1934 (Vogt).

Eastern Mourning Dove. *Zenaidura macroura carolinensis.*—Common T. V. March 17, 1933 (Vogt), to April 15, 1934 (Vogt); August 5, 1932 (Vogt), to November 19, 1932 (Vogt).

Yellow-billed Cuckoo. *Coccyzus americanus americanus.*—Rare T. V. August 26, 1934 (Vogt), to September 17, 1933 (Vogt).

Black-billed Cuckoo. *Coccyzus erythropthalmus.*—Rare T. V. June 4, 1933 (Vogt), to July 9, 1932 (Vogt); July 24, 1927 (Griscom), to September 11, 1933 (Woodmere Academy Bird Club).

Eastern Screech Owl. *Otus asio naevius.*—Rarer T. V. May 12, 1934 (Vogt), to May 27, 1934 (Vogt).

Snowy Owl. *Nyctea nyctea.*—Rare W. V. November 25, 1934 (Cruickshank), to March 25, 1935 (Vogt).

Long-eared Owl. *Asio wilsonianus.*—Rare W. V. December 27, 1913 (Griscom), to February 4, 1934 (Vogt).

Short-eared Owl. *Asio flammeus flammeus.*—Tolerably common T. V., rare permanent resident.

Eastern Nighthawk. *Chordeiles minor minor.*—Fairly common fall transient. August 29, 1932 (Vogt), to September 23, 1933 (Herholdt).

Chimney Swift. *Chaetura pelagica.*—Tolerably common T. V. May 9, 1934 (Vogt), to June 23, 1924 (Griscom); August 25, 1923 (Griscom), to September 18, 1932 (Vogt).

Ruby-throated Hummingbird. *Archilochus colubris.*—Uncommon T. V., rare in spring. May 15, 1932 (Vogt), to May 27, 1923 (J. M. Johnson); August 4, 1933 (Vogt), to September 23, 1934 (Vogt).

Eastern Belted Kingfisher. *Megaceryle alcyon alcyon.*—Common T. V. March 2, 1932 (Vogt), to May 27, 1933 (Vogt); July 26, 1933 (Vogt), to October 29, 1933 (Vogt).

Northern Flicker. *Colaptes auratus luteus.*—Abundant T. V., rare W. V. July 30, 1933 (Vogt), to May 8, 1932 (Vogt).

Red-headed Woodpecker. *Melanerpes erythrocephalus.*—A rare spring and common to rare fall transient. May 26, 1923 (Crosby and Griscom); August 27, 1933 (Vogt), to October 15, 1932 (Vogt).

Yellow-bellied Sapsucker. *Sphyrapicus varius varius.*—Two records: September 24, 1932 (Vogt); October 16, 1932 (Breslau, Sedwitz and Lind).

Eastern Hairy Woodpecker. *Dryobates villosus villosus.*—One record based on one wing found October 16, 1932 (Vogt).

Northern Downy Woodpecker. *Dryobates pubescens medianus.*—One bird heard May 13, 1933 (Vogt).

Kingbird. *Tyrannus tyrannus.*—Common T. V., uncommon S. R. May 5, 1932 (Vogt), to October 7, 1933 (Vogt). Breeds.

Arkansas Kingbird. *Tyrannus verticalis.*—Rare but regular fall transient. August 19, 1932 (Vogt, Auk, L, p. 446), to October 8, 1933 (Vogt, Bird-Lore, XXXV, p. 327).

Northern Crested Flycatcher. *Myiarchus crinitus boreus.*—Rare T. V. May 13, 1933 (Vogt).

Eastern Phoebe. *Sayornis phoebe.*—Common T. V. March 19, 1933 (Harrower), to May 6, 1934 (Vogt); September 22, 1932 (Vogt), to October 13, 1932 (Vogt).

Yellow-bellied Flycatcher.* *Empidonax flaviventris.*—One record: August 29, 1932 (Heron, '32).

Alder Flycatcher. *Empidonax trailli trailli.*—Uncommon (?) T. V. May 13, 1933 (Vogt); September 10, 1932 (Vogt), to September 22, 1933 (Vogt). *Empidonax* flycatchers are not uncommon on migration, but are here omitted, for the most part, because of the difficulty of identifying them in the field.

Least Flycatcher. *Empidonax minimus.*—Rare (?) T. V. May 6, 1932 (J. Vogt), to May 13, 1933 (Vogt); August 23, 1933 (Vogt).

Eastern Wood Peewee. *Myiochanes virens.*—Uncommon T. V. May 12, 1933 (Vogt), to May 31, 1925 (Griscom and Eaton); August 27, 1933 (Herbert), to September 7, 1932 (Vogt).

Olive-sided Flycatcher. *Nuttallornis mesoleucus.*—Rare fall transient. August 14, 1934 (Vogt and Matuszewski), to September 11, 1934 (Vogt).

Northern Horned Lark. *Otocoris alpestris alpestris*—Abundant W. V. October 26, 1930 (Breslau, Sedwitz and Grossman), to March 18, 1934 (Vogt).

Prairie Horned Lark. *Otocoris alpestris praticola.*—One record: December 9, 1934 (Sedwitz, Carleton and Breslau).

Tree Swallow. *Iridoprocne bicolor.*—Abundant T. V., bred in 1932. March 14, 1933 (Vogt), to May 27, 1933 (Vogt); August 1, 1933 (Vogt), to November 26, 1933 (Vogt).

Bank Swallow. *Riparia riparia riparia.*—Abundant T. V., common S. R. April 29, 1932 (Vogt), to September 17, 1933 (Vogt). Breeds in dunes.

Rough-winged Swallow. *Stelgidopteryx ruficollis serripennis.*—Rare T. V. May 6, 1932 (Vogt), to May 15, 1932 (Vogt); August 1, 1932 (Vogt).

Barn Swallow. *Hirundo erythrogaster.*—Abundant T. V., common S. R. April 23, 1932 (Vogt), to November 26, 1933 (Vogt). Breeds.

Northern Cliff Swallow. *Petrochelidon albifrons albifrons.*—Rare T. V. May 6, 1934 (Vogt), to May 13, 1932 (Vogt); August 28, 1932 (Vogt), to September 23, 1933 (Vogt).

Purple Martin. *Progne subis subis.*—Tolerably common T. V. May 23, 1920 (Griscom), to May 30, 1925 (Griscom); August 4, 1932 (Watson), to September 11, 1932 (Vogt).

Northern Blue Jay. *Cyanocitta cristata cristata.*—Rare T. V. May 7, 1932 (Rich), to May 27, 1934 (Vogt).

Eastern Crow. *Corvus brachyrhynchos brachyrhynchos.*—Permanent resident, common in winter and rare in summer. Breeds.

Fish Crow. *Corvus ossifragus.*—Exact status unknown; tolerably common in spring when it may be identified by voice. January 3, 1932 (Breslau, Lind and Sedwitz), to May 30, 1925 (Eaton).

Black-capped Chickadee. *Penthestes atricapillus atricapillus.*—Uncommon T. V., rare W. V. September 7, 1932 (Vogt), to June 4, 1932 (Peterson).

White-breasted Nuthatch. *Sitta carolinensis carolinensis.*—Rare fall transient. September 9, 1933 (Vogt), to October 15, 1933 (Vogt).

Red-breasted Nuthatch. *Sitta canadensis.*—Uncommon T. V. May 6, 1934 (Vogt), to May 11, 1932 (Vogt); August 27, 1933 (Vogt), to November 5, 1933 (Vogt).

Brown Creeper. *Certhia familiaris americana.*—Common T. V. April 3, 1932 (Vogt), to May 6, 1934 (Vogt); September 13, 1932 (Vogt), to October 16, 1932 (Vogt).

Eastern House Wren. *Troglodytes aedon aedon.*—Rare T. V. May 6, 1934 (Vogt); August 22, 1932 (Vogt) to October 13, 1932 (Vogt).

Eastern Winter Wren. *Nannus hiemalis hiemalis.*—Uncommon T. V. September 11, 1934 (Vogt) to December 28, 1913 (Griscom, G. W. Hubbell and N. F. Lenssen); April 22, 1932 (Vogt) to April 24, 1932 (Vogt).

Carolina Wren. *Thryothorus ludovicianus ludovicianus.*—Uncommon T. V. April 20, 1934 (Vogt); July 30, 1933 (Vogt) to October 29, 1933 (Terry).

Long-billed Marsh Wren. *Telmatodytes palustris palustris.*—Uncommon T. V. and S. R. April 24, 1932 (Vogt) to September 24, 1933 (Vogt). Several breeding colonies 25 years ago (Griscom).

Short-billed Marsh Wren. *Cistothorus stellaris.*—Rare T. V. March 31, 1932 (Vogt and Peterson, Bird-Lore, XXXIV, p. 205) to April 4, 1932 (Heron, '32); July 23, 1933 (Sedwitz) to December 28, 1913 (Griscom, Abstract Proceedings Linnaean Society, Nos. 26-27, p. 15.)

Eastern Mockingbird. *Mimus polyglottos polyglottos.*—Rare but regular T. V. April 29, 1934 (Vogt); August 20, 1933 (Chapman and Vogt) to October 15, 1932 (Vogt). Many immature birds have been observed in the fall.

Catbird. *Dumetella carolinensis.*—Abundant S. R., rare W. V. May 4, 1933 (Vogt) to December 27, 1932 (Vogt); February 7, 1932 throughout winter (Vogt). Breeds. A rare straggler up to 1922 (Griscom).

Brown Thrasher. *Toxostoma rufum.*—Abundant S. R. March 29, 1934 (Herholdt) to October 15, 1932 (Vogt). Breeds.

Eastern Robin. *Turdus migratorius migratorius.*—Abundant T. V., rare W. V. July 19, 1933 (Vogt) to May 13, 1933 (Vogt).

Wood Thrush. *Hylocichla mustelina.* Uncommon T. V. May 6, 1934 (Vogt) to May 13, 1933 (Vogt); July 26, 1933 (Vogt) to September 5, 1931 (Breslau and Sedwitz).

Eastern Hermit Thrush. *Hylocichla guttata faxoni.*—Common T. V. April 2, 1933 (Vogt) to May 7, 1932 (Vogt); September 30, 1932 (Vogt) to November 19, 1932 (Vogt).

Olive-backed Thrush. *Hylocichla ustulata swainsoni.*—Uncommon T. V. May 6, 1932 (Vogt) to May 26, 1923 (Crosby and Griscom); September 24, 1933 (Vogt) to October 22, 1932 (Vogt).

Gray-cheeked Thrush. *Hylocichla minima aliciae.*—One record: A bird "beautifully seen", May 30, 1925 (Eaton, Griscom and J. M. Johnson).

Veery. *Hylocichla fuscescens fuscescens.*—Uncommon T. V. May 8, 1932 (Vogt) to May 14, 1933 (Vogt); August 29, 1932 (Breslau) to October 15, 1932 (Vogt).

Eastern Bluebird. *Sialia sialis sialis.*—Rare T. V. March 17, 1932 (Vogt) to May 29, 1921 (Griscom and J. M. Johnson); November 3, 1934 (Mayr and Vogt)

Blue-gray Gnatcatcher. *Polioptila caerulea caerulea.*—Rare T. V. September 5, 1931 (Breslau, Sedwitz and Weil, Bird-Lore, XXXIII, p. 406) to September 9, 1934 (Cruickshank).

Eastern Golden-crowned Kinglet. *Regulus satrapa satrapa.*—Common T. V. March 31, 1932 (Vogt) to April 21, 1932 (Vogt); September 25, 1932 (Vogt) to November 8, 1934 (Vogt).

Eastern Ruby-crowned Kinglet. *Corthylio calendula calendula.*—Tolerably common T. V. March 19, 1933 (Vogt) to May 21, 1932 (Vogt); October 14, 1934 (Breslau, Sedwitz, *et al.*)

American Pipit. *Anthus spinoletta rubescens.*—Uncommon W. V. October 12, 1931 (Breslau, Lind and Sedwitz) to January 21, 1934 (Breslau and Sedwitz).

Cedar Waxwing. *Bombycilla cedrorum.*—Rare to common fall transient. August 13, 1932 (Vogt) to October 9, 1932 (Vogt).

Northern Shrike. *Lanius borealis borealis.*—Uncommon W. V. October 29, 1933 (Raymond) to January 2, 1931 (Heron, '30).

Migrant Shrike. *Lanius ludovicianus migrans.*—Uncommon T. V. August 20, 1930 (Watson, Bird-Lore, XXXII, p. 430) to September 21, 1931 (Heron, '32).

Starling. *Sturnus vulgaris vulgaris.*—Common T. V. and W. V. July 10, 1932 (Vogt) to June 19, 1932 (Vogt). Would have bred if nests had not been destroyed.

White-eyed Vireo. *Vireo griseus griseus.*—Two dates: May 7, 1932 (Vogt) and June 3, 1934 (Vogt).

Blue-headed Vireo. *Vireo solitarius solitarius.*—One date: May 13, 1933 (Vogt).

Red-eyed Vireo. *Vireo olivaceus.*—Common T. V. May 12, 1933 (Vogt) to May 29, 1932 (Vogt); September 9, 1934 (Vogt) to October 8, 1932 (Vogt).

Eastern Warbling Vireo. *Vireo gilvus gilvus.*—Two records: June 3, 1934 (Vogt); September 11, 1933 (Woodmere Academy Bird Club).

Black and White Warbler. *Mniotilta varia.*—Common T. V. April 20, 1934 (J. Vogt) to May 19, 1934 (Vogt); August 5, 1934 (Moore) to September 22, 1933 (Vogt).

Prothonotary Warbler. *Protonotaria citrea.*—One record: May 9, 1934 (J. Vogt).

Worm-eating Warbler. *Helmitheros vermivorus.*—Rare T. V. April 20, 1934 (Vogt) to May 14, 1933 (Vogt).

Blue-winged Warbler. *Vermivora pinus.*—Uncommon T. V. May 5, 1932 (Vogt) to May 13, 1933 (Vogt); August 27, 1933 (Vogt) to September 13, 1932 (Vogt).

Tennessee Warbler. *Vermivora peregrina.*—One record: May 13, 1933 (Vogt).

Orange-crowned Warbler. *Vermivora celata celata.*—One record: April 21, 1932 (Vogt and Prendergast).

Nashville Warbler. *Vermivora ruficapilla ruficapilla.*—One record: September 24, 1933 (Vogt).

Northern Parula Warbler. *Compsothlypis americana pusilla.*—Common T. V. May 5, 1932 (J. Vogt) to May 26, 1923 (Griscom); September 30, 1932 (Vogt) to October 8, 1932 (Vogt).

Eastern Yellow Warbler. *Dendroica aestiva aestiva.*—Abundant S. R. April 30, 1933 (Vogt) to September 24, 1933 (Vogt). Breeds.

Magnolia Warbler. *Dendroica magnolia.*—Common T. V. May 12, 1933 (Vogt) to June 3, 1934 (Vogt); September 25, 1932 (Vogt) to October 15, 1933 (Vogt).

Cape May Warbler. *Dendroica tigrina.*—Rare T. V. May 18, 1934 (Vogt); September 10, 1932 (Vogt) to October 8, 1932 (Vogt).

Black-throated Blue Warbler. *Dendroica caerulescens caerulescens.*—Common T. V. May 7, 1932 (Vogt) to May 14, 1933 (Vogt); September 7, 1932 (Vogt) to October 8, 1932 (Vogt).

Myrtle Warbler. *Dendroica coronata.*—Abundant T. V., common W. V. August 25, 1932 (Vogt) to May 30, 1926 (Friedman).

Black-throated Green Warbler. *Dendroica virens virens.*—Common T. V. May 4, 1932 (Vogt) to May 15, 1932 (Vogt); September 11, 1933 (Woodmere Academy Bird Club) to October 8, 1932 (Vogt).

Blackburnian Warbler. *Dendroica fusca.*—Two records: May 19, 1933 (Vogt); September 24, 1933 (Vogt).

Chestnut-sided Warbler. *Dendroica pensylvanica.*—Common T. V. in spring. May 7, 1932 (Vogt) to May 26, 1923 (Griscom); September 9, 1934 (Cruickshank).

Bay-breasted Warbler. *Dendroica castanea.*—One record: September 9, 1934 (Cruickshank).

Black-poll Warbler. *Dendroica striata.*—Common T. V. May 18, 1934 (Vogt) to June 5, 1932 (Vogt); October 7, 1932 (Vogt) to October 8, 1932 (Vogt).

Northern Pine Warbler. *Dendroica pinus pinus.*—Tolerably common T. V. April 8, 1934 (Vogt) to May 12, 1933 (Vogt); September 17, 1933 (Vogt) to September 22, 1933 (Vogt).

Prairie Warbler. *Dendroica discolor discolor.*—Common T. V. May 5, 1932 (J. Vogt) to May 24, 1914 (Griscom); September 5, 1932 (Vogt) to September 30, 1934 (Breslau, Sedwitz and Wolfram).

Western Palm Warbler. *Dendroica palmarum palmarum.*—Uncommon T. V. in fall. September 11, 1932 (Vogt) to October 1, 1933 (Vogt).

Yellow Palm Warbler. *Dendroica palmarum hypochrysea.*—Common T. V. April 15, 1933 (Vogt) to May 8, 1932 (Vogt); September 22, 1933 (Vogt) to November 13, 1932 (Vogt).

Oven-bird. *Seiurus aurocapillus.*—Rare T. V. Recorded only in fall. September 10, 1932 (Vogt) to October 7, 1932 (Vogt).

Northern Water-Thrush. *Seiurus noveboracensis noveboracensis.*—Common T. V. May 5, 1932 (J. Vogt) to May 21, 1934 (Vogt); July 30, 1932 (Vogt) to September 22, 1933 (Vogt).

Louisiana Water-Thrush. *Seiurus motacilla.*—One record: Bird heard May 8, 1932 (Vogt).

Connecticut Warbler.* *Oporornis agilis.*—Probably a tolerably common fall transient. September 10, 1932 (Vogt) to October 7, 1932 (Vogt, Auk, L, p. 446).

Northern Yellow-throat. *Geothlypis trichas brachidactyla.*—Abundant S. R. April 29, 1932 (Vogt) to December 8, 1932 (Vogt). Breeds.

Yellow-breasted Chat. *Icteria virens virens.*—Two records: May 26, 1923 (Crosby and Griscom); September 19, 1933 (Vogt).

Wilson's Warbler. *Wilsonia pusilla pusilla.*—Uncommon T. V. May 13, 1933 (Vogt); September 1, 1933 (Griscom) to September 30, 1932 (Vogt).

Canada Warbler. *Wilsonia canadensis.*—Uncommon T. V. May 13, 1933 (Vogt) to May 30, 1925 (Griscom); August 26, 1932 (Vogt) to September 10, 1932 (Vogt).

American Redstart. *Setophaga ruticilla.*—Common T. V. May 4, 1932 (Vogt) to May 30, 1925 (Griscom); August 5, 1932 (Vogt) to October 8, 1932 (Vogt).

House Sparrow. *Passer domesticus domesticus.*—Common W. V. September 2, 1933 (Vogt) to May 12, 1934 (Vogt). This bird has never attempted to nest on the Sanctuary except in Tree Swallow houses; when these nests were destroyed the birds disappeared.

Bobolink. *Dolichonyx oryzivorus.*—An abundant transient, less common in the spring. May 12, 1933 (Vogt) to May 13, 1934 (Vogt); August 12, 1933 (Vogt) to September 17, 1932 (Vogt).

Eastern Meadowlark. *Sturnella magna magna.*—Permanent resident; uncommon in winter. Breeds.

Yellow-headed Blackbird. *Xanthocephalus xanthocephalus.*—One record: September 1, 1932 (Helene Lunt, Auk, L, p. 446).

Eastern Red-wing. *Agelaius phoeniceus phoeniceus.*—Abundant S. R. and casual W. V. February 23, 1933 (Vogt) to August 29, 1933 (Vogt); December 27, 1932 (Vogt). Breeds.

Orchard Oriole. *Icterus spurius.*—One record: August 31, 1932 (Vogt).

Baltimore Oriole. *Icterus galbula.*—Common T. V. May 5, 1932 (J. Vogt) to May 20, 1934 (Vogt); September 7, 1932 (Vogt) to September 13, 1932 (Vogt).

Rusty Blackbird. *Euphagus carolinus.*—Uncommon T. V. April 2, 1933 (Vogt) to May 4, 1933 (Vogt); September 29, 1932 (Vogt) to November 18 1934 (Vogt).

Purple Grackle. *Quiscalus quiscula quiscula.*—Rare T. V. May 12, 1934 (Vogt) to May 27, 1934 (Vogt), probably the same individual throughout this period.

Bronzed Grackle. *Quiscalus quiscula aeneus.*—Two records: December 27, 1932 (Vogt) and March 9, 1933 (Vogt).

Eastern Cowbird. *Molothrus ater ater.*—Tolerably common S. R. February 17, 1934 (Vogt) to September 22, 1932 (Vogt). Breeds.

Scarlet Tanager. *Piranga erythromelas.*—Rare spring transient. May 12, 1933 (Vogt) to May 14, 1933 (Vogt).

Rose-breasted Grosbeak. *Hedymeles ludovicianus.*—Uncommon T. V. May 12, 1934 (Vogt) to May 24, 1914 (Griscom); July 29, 1934 (Moore) to September 6, 1933 (Terry).

Indigo Bunting. *Passerina cyanea.*—Rare T. V. May 30, 1926 (Eaton and Friedman); October 8, 1932 (Vogt) to October 16, 1932 (Breslau, Sedwitz and Lind).

Eastern Purple Finch. *Carpodacus purpureus purpureus.*—Uncommon fall transient. August 27, 1933 (Vogt) to November 3, 1932 (Vogt).

Eastern Goldfinch. *Spinus tristis tristis.*—Common W. V. August 19, 1933 (Vogt) to June 14, 1933 (Vogt).

Red-eyed Towhee. *Pipilo erythrophthalmus erythrophthalmus.*—Common T. V., uncommon S. R. April 22, 1932 (Vogt) to October 22, 1932 (Vogt). Breeds.

Ipswich Sparrow. *Passerculus princeps.*—Uncommon W. V. October 13, 1932 (Vogt) to March 29, 1932 (Heron, '32). Formerly a common transient and regular W. V.—9 seen December 28, 1913 (Griscom).

Eastern Savannah Sparrow. *Passerculus sandwichensis savanna.*—Common T. V., uncommon to rare permanent resident. Breeds.

Eastern Henslow's Sparrow. *Passerherbulus henslowi susurrans.*—One record: May 7, 1932 (Vogt).

Acadian Sparrow. *Ammospiza caudacuta subvirgata.*—Uncommon T. V. May 26, 1923 (Crosby and Griscom) to May 29, 1926 (Griscom); September 24, 1933 (Vogt) to December 26, 1933 (Vogt, Bird-Lore, XXXV, p. 20). It is almost certain that systematic collecting would show this bird to be more common.

Sharp-tailed Sparrow. *Ammospiza caudacuta caudacuta.*—Not uncommon S. R. April 22, 1934 (Cobb) to November 8, 1910 (Griscom, La Dow and Wiegmann). Breeds. Formerly a very common S. R. (Griscom).

Northern Seaside Sparrow. *Ammospiza maritima maritima.*—Uncommon S. R., casual W. V. March 29, 1932 (Peterson) to November 8, 1910 (Griscom); throughout February, 1932 (Vogt). Breeds. Formerly a very common S. R. (Griscom).

Eastern Vesper Sparrow. *Pooecetes gramineus gramineus.*—Uncommon T. V. April 15, 1932 (Vogt); August 21, 1932 (Vogt) to November 26, 1933 (Vogt).

Eastern Lark Sparrow. *Chondestes grammacus grammacus.*—Three records: August 5, 1934 (Sedwitz, Hickey, Vogt, *et al.*); August 21, 1932 (Vogt, Bird-Lore, XXXIV, p. 397); August 23, 1933 (Vogt).

Slate-colored Junco. *Junco hyemalis hyemalis.*—Common T. V., less common W. V. September 23, 1933 (Vogt) to April 26, 1932 (Vogt).

Eastern Tree Sparrow. *Spizella arborea arborea.*—Common W. V. October 12, 1934 (Cobb) to April 27, 1932 (Vogt).

Eastern Chipping Sparrow. *Spizella passerina passerina.*—Tolerably common T. V. April 8, 1934 (Vogt) to May 26, 1933 (Crosby and Griscom); August 26, 1923 (Griscom) to November 18, 1934 (Breslau, Sedwitz and Carleton).

Clay-colored Sparrow. *Spizella pallida.*—One record: September 30, 1934 (Breslau, Sedwitz, *et al.*).

Eastern Field Sparrow. *Spizella pusilla pusilla.*—Common T. V. March 28, 1932 (Vogt) to May 28, 1932 (Vogt); September 24, 1933 (Vogt) to November 5, 1933 (Vogt).

White-crowned Sparrow. *Zonotrichia leucophrys leucophrys.*—Tolerably common T. V. May 7, 1932 (Vogt) to May 27, 1933 (Vogt); October 7, 1934 (Vogt) to November 5, 1934 (Vogt).

White-throated Sparrow. *Zonotrichia albicollis.*—Abundant T. V., uncommon W. V. September 18, 1932 (Vogt) to May 18, 1933 (Vogt).

Eastern Fox Sparrow. *Passerella iliaca iliaca.*—Common T. V., uncommon W. V. November 13, 1932 (Vogt) to April 26, 1932 (Vogt).

Lincoln's Sparrow. *Melospiza lincolni lincolni.*—One record: May 7, 8, 1932 (Vogt).

Swamp Sparrow. *Melospiza georgiana.*—Uncommon T. V. March 3, 1932 (Vogt) to June 21, 1931 (Breslau and Sedwitz); September 29, 1932 (Vogt) to December 28, 1913 (Griscom). Formerly bred commonly (Griscom).

Eastern Song Sparrow. *Melospiza melodia melodia.*—Abundant P. R., though few of the breeding birds winter.

Lapland Longspur. *Calcarius lapponicus lapponicus.*—Irregular W. V. October 21, 1934 (Breslau, Sedwitz) to February 19, 1933 (Breslau, Sedwitz and Lind).

Eastern Snow Bunting. *Plectrophenax nivalis nivalis.*—Common W. V. November 1, 1931 (Breslau, Lind and Sedwitz) to March 31, 1932 (Vogt).