

LITERATURE CITED

AMERICAN ORNITHOLOGISTS' UNION

1957 Check-list of North American Birds. 5th ed. 691 pp.

BAIRD, J., AND R. EMERY

1956 *Aud. Field Notes*, 10: 370.

BULL, J. L.

1958 The birds of the New York City area. *Amer. Mus. Nat. Hist.* 47 pp.

CRUICKSHANK, A. D.

1942 Birds around New York City. *Amer. Mus. Nat. Hist. Handbook Ser.*, no. 13. 489 pp.

ELLIOTT, J. J.

1958 *Kingbird*, 8: 95.

FABLES, D., JR.

1955 Annotated list of New Jersey Birds. *Urner Ornith. Club.* 95 pp.

1959 First Supplement to the Annotated list of New Jersey Birds. *Urner Ornith. Club.* 13 pp.

GRISCOM, L., AND D. E. SNYDER

1955 Birds of Massachusetts. Peabody Museum of Science, Salem. xiii+113 pp.

HAGAR, J. A.

1941 Little Blue Heron breeding at Marshfield in 1940 and 1941. *Auk*, 58: 568-569.

MEYERRIECKS, A. J.

1957 Louisiana Heron breeding in New York City. *Wilson Bull.*, 69: 184-185.

MORGAN, A., AND R. EMERY

1955 *Aud. Field Notes*, 9: 365.

NICHOLS, C. K.

1949 *Ibid.*, 3: 229.

1952 *Ibid.*, 6: 274.

POTTER, J. K.

1948 *Aud. Field Notes*, 2: 200.

1951 *Ibid.*, 5: 284.

1957 *Ibid.*, 11: 394.

1959 *Ibid.*, 13: 422.

PETER W. POST, 575 West 183 St., New York 33, New York, 18 August 1960.

Migration of Blue Jays at Madison, Wisconsin.—The morning of 24 April 1960, while walking from Picnic Point to Second Point on Lake Mendota, I noticed small flocks of Blue Jays (*Cyanocitta cristata*) drifting northward through the woods. On arriving at Picnic Point I observed jays leaving the conifers and circling higher and higher until they were barely visible to the naked eye, then flying northward. Due to the swirling about of the birds, I could not make an accurate count, but a conservative estimate of the number would be 75. The exodus took place at 11:05, daylight saving. Not all of the jays left as some could still be heard calling in the conifers. At the time that the jays were circling a Sharp-shinned Hawk appeared and also circled. The jays, from all appearances were completely ignored. On returning to Picnic Point I met Alex Dzubin and mentioned the migration to him. The following day he told me that on reaching the neck of Picnic Point, a flock of 19 jays came past going in the direction of Second Point.

A regular spring migration occurs at Madison, principally during the last week in April and the first two weeks of May. Usually the jays are in small flocks. In open country they are to be seen flying at a height of about 200 feet. When woods are encountered they drop down and continue their journey through the tree tops. The flight of jays mentioned by Doolittle (1919. A Strange Blue Jay Flight. *Auk*, 36:572) represented a normal migration. The above is the only case in which I have seen jays tower before moving north. Circling and attaining altitude has been described by Tyrrell (1934. Bird Notes from Whitefish Point, Michigan. *Auk*, 51:21-26) for jays crossing Lake Superior. Brewster (1937. The Birds of Lake Umbagog Region of Maine. *Bull. Mus. Comp. Zool.*, 66(3):502) at Lake Umbagog noticed jays spiral to a height of 2,000 feet before flying southwest. The distance from Second Point to Fox Bluff on the north shore of Lake Mendota is approximately 1.7 miles. Even this expanse of water appears sufficient to stimulate the jays to migrate at a high altitude.

There are few observations on the manner by which birds gain altitude when they start their migration across a body of water. Taverner and Swales (1907. The Birds of Point Pelee, *Wilson Bull.*, 19:133-53), in spite of their unusual opportunity, are not specific on how Blue Jays and other birds left Point Pelee. Some species circle while others rise at an angle. I have seen Eastern Kingbirds leave Madeline Island in Lake Superior, and they rose at an angle. James Baird has informed me (in litt.) that at Block Island and Narragansett Bay, Massachusetts, swallows and Eastern Kingbirds did not circle, and this seemed to hold for the sparrows and warblers. Robins on the other hand gained great heights by circling.—A. W. SCHORGER, *College of Agriculture, University of Wisconsin, Madison 6, Wisconsin, 12 November 1960.*

Porcupine Quills in a Ruffed Grouse.—On 22 October 1960, Walter J. Frautschi of Madison shot a Ruffed Grouse (*Bonasa umbellus*) at Pine Lake, Oneida County, Wisconsin. When the bird was carved at the table, eight porcupine quills up to one inch in length were found in one side of the breast. The wounds had healed over completely. The porcupine is mentioned (G. Bump et al. 1947. The Ruffed Grouse, p. 14) as an enemy of this grouse but it must be an uncommon one. There is one account of its eating the eggs (Anon. 1933. Porcupine Eats Grouse Eggs. *Pa. Game News* 4(3):5). The female Ruffed Grouse is at times a bold defender of its nest and young. Though the bird was not sexed, it is logical to assume that it was a female that dashed at its potential enemy and was struck by the tail of the porcupine.—A. W. SCHORGER, *College of Agriculture, University of Wisconsin, Madison 6, Wisconsin, 12 November 1960.*

Yellow Warblers in conifers.—On 2 July 1960, at Marshall Point, near Port Clyde, Knox County, Maine (on the mainland about 10 miles south of Rockland), I found a number of Yellow Warblers (*Dendroica petechia*) in white spruce (*Picea glauca*) 20 to 30 feet high. Between 12 and 14 July 1960, I found over 100 of these birds in white spruce on Matinicus Island, Maine; and at the north end of this isle on 13 July I also found several well into a dense forest, over 100 acres in extent, of red spruce (*P. rubens*) 60 to 70 feet high. The same day Harry Edgcomb found them not only in white and red spruce but also in hemlock (*Tsuga canadensis*) near the southwest end of the island. Matinicus is one of a number of islands 20 to 25 miles south southwest of Rockland and just south of Penobscot Bay. Originally covered with conifers, probably mostly red spruce, Matinicus has been inhabited by white men for over 200 years. One-half to two-thirds of its 700-odd acres is now fairly open, with a goodly crop of bushy white spruce beginning to cover many areas. In these, Yellow Warblers were very common, Harry Edgcomb and I agreeing that, including young, about 700 (or 1 per acre) were on the