

ferent localities, especially in Albemarle County, and upon the various papers already published, together with several other sources of information." The latter seem to include especially local reports to the Division of Economic Ornithology and Mammalogy of the Department of Agriculture, and manuscript notes from Captain Charles H. Crumb of Cobb's Island. The literature of the subject has been searched with extreme thoroughness, and selected with excellent judgment. We are told the things we want to know, and few, if any, records of importance have been overlooked. Indeed, if any criticism is possible, it is that occasionally some record has been quoted that might as well have been ignored. The paper closes with a 'hypothetical list' of forty species and a good index.—C. F. B.

Minor Ornithological Publications.—The following 'amateur' journals are similar in character to those noticed in Vol. VII, pp. 79-86.

The Hawkeye Ornithologist and Oölogist.

This monthly, published at Cresco, Iowa, by E. B. Webster, made its first appearance in January, 1888, and stopped with Vol. II, No. 9, September, 1889. It contains among other articles and notes the following (Nos. 1933-1943):—

1933. *Carolina Wren*. By J. W. Jacobs. '*The Hawkeye Ornithologist and Oölogist*,' Vol. I, No. 3, March, 1888, p. 37.—Nests and eggs.

1934. *Habits of Some American Grebes*. By Oliver Davie. *Ibid.*, pp. 38-39.

1935. *Reminiscences of the Early Life of a Tame Crow*. *Ibid.*, pp. 43-44.

1936. *The White-rumped Shrike in Western New York*. By Neil F. Posson. *Ibid.*, No. 7, July, 1888, pp. 95-96.—Nesting habits.

1937. *Nesting of the Sharp-tailed and Seaside Finches*. By C. S. Schick. *Ibid.*, No. 8, August, 1888, pp. 102-103.

1938. *Nidification of the Osprey*. By Walter Raine. *Ibid.*, No. 9, Sept., 1888, pp. 113-114.

1939. *Nesting of the White-breasted Nuthatch*. By J. Warren Jacobs. *Ibid.*, No. 10, October, 1888, pp. 119-120.

1940. *Birds of Greenbriar County, West Va.* By Thaddeus Surber. *Ibid.*, Vol. II, No. 1, Jan., 1889, pp. 2-4; No. 2, Feb., 1889, pp. 13-15; No. 3, March, 1889, pp. 29-32.—A list of 121 species.

1941. *The Red-breasted Nuthatch*. By Neil F. Posson. *Ibid.*, No. 4, April, 1889, pp. 37-38.

1942. *Nesting of the Kentucky Warbler in Southwestern Pennsylvania*. By J. Warren Jacobs. *Ibid.*, pp. 38-41.

1943. *Robins Ahead Again*. By S. A. Ball. *Ibid.*, No. 5, May, 1889, pp. 46-47.—Early nesting.

The Oölogists' Exchange.

'The Oölogists' Exchange,' a four-page monthly, was published first in January, 1888, at Austin, Ill., by T. Vernon Wilson (Vol. I, Nos. 1-7);

[Oölogists' Exchange.—Continued.]

next at Sharon, Wis., by Dickinson & Durkee (I, 8-12); lastly at New York by Arthur E. Pettit (II, 1-11). This closed its existence in February, 1890. We note the following (Nos. 1944-1953):—

1944. *Topographical Oölogy*. By Frank H. Nutter. 'The Oölogists, Exchange,' Vol. I, No. 4, April, 1888.—*Buteo pennsylvanicus*, *Accipiter cooperi*, *Botaurus lentiginosus*.

1945. *The White-rumped Shrike*. By Zach. Taylor. *Ibid.*, No. 5, May, 1888.—Nesting habits.

1946. *The Killdeer Plover*. By E. F. Gamble. *Ibid.*

1947. *Cranes and Cormorants*. *Ibid.*, No. 7, July, 1888.—Nesting of *Ardea herodias* and *Phalacrocorax dilophus*.

1948. *The Hooded Warbler*. By 'Scolopax.' *Ibid.*

1949. *From the Sunflower State*. By D. B. R. *Ibid.*, No. 11, Nov., 1888.—*Ardea herodias*.

1950. *Nest of the Black-billed Magpie*. By Ferd. M. Stephens. *Ibid.*, No. 12, Dec., 1888.

1951. *The American Hawk Owl (Surnia ulula caparoch) in Wisconsin*. By W. E. Carter. *Ibid.*, Vol. II, No. 2, May, 1889.—Nest and eggs said to have been found.

1952. *The Great White Heron*. By T. G. Pearson. *Ibid.*, No. 4, July, 1889.

1953. *Brown Pelican*. By W. E. Hillman. *Ibid.*, No. 8, Nov., 1889.

The Loon.

'The Loon,' issued monthly by Thad. Surber at White Sulphur Springs, W. Va., began in January, 1889, and ended with Vol. I, No. 10, October, 1889. It contained the following articles worthy of mention (Nos. 1954-1957):—

1954. *A Tame Plover*. By E. B. Webster. 'The Loon,' Vol. I, No. 2, Feb., 1889, pp. 9-11.—*Charadrius dominicus*.

1955. *Blackbirds and Migration*. By S. A. Ball. *Ibid.*, No. 7, July, 1889, pp. 49-51.

1956. *Eggs of Nyctale acadica*. By C. W. Swallow. *Ibid.*, No. 9, Sept., 1889, pp. 67-68.

1957. [*Robins attacking a Hen*.] By A. MacLeod. *Ibid.*, pp. 68-69.

The Ornithologists' and Oölogists' Semi-annual.

This semi-annual, one of the best of these journals now existing, was first published January, 1889, at Pittsfield, Mass., by W. H. Foote. In its first two volumes (1889-1890) we note the following (Nos. 1958-1990):—

1958. *The Cardinal Grosbeak*. By J. A. Singley. 'The Ornithologists' and Oölogists' Semi-annual,' Vol. I, No. 1, Jan., 1889, pp. 18-19.

1959. *The Bell's Vireo*. By Lynds Jones. *Ibid.*, pp. 41-42.—Breeding habits.

1960. *Brains of Birds*. [By Austin F. Park.] *Ibid.*, pp. 44-45.—From an article in the 'Troy Times.'

[Ornithologists' and Oölogists' Semi-annual.—Continued.]

1961. *A Trip to Thompson's Lake*. By Dr. W. S. Strode. *Ibid.*, No. 2, July, 1889, pp. 3-8.—Birds breeding about a small lake in Illinois.
1962. *The Yellow-winged Sparrow*. By Lynds Jones. *Ibid.*, pp. 8-9.—In Iowa.
1963. *The Large-billed, or Louisiana, Water Thrush*. By C. C. Maxfield. *Ibid.*, pp. 13-14.—In western New York.
1964. *The Wilson's Phalarope*. By Wm. G. Smith. *Ibid.*, pp. 14-15.—As observed in Colorado.
1965. *Nesting of the Purple Gallinule*. By Jas. H. Rachford. *Ibid.*, p. 16.
1966. *The Chewink; Towhee*. By Lynds Jones. *Ibid.*, pp. 25-26.—Nesting habits.
1967. *The Lark Finch*. By J. A. Singley. *Ibid.*, p. 28.—Nesting habits in Texas.
1968. *The Western Yellow-winged Sparrow*. By J. A. Singley. *Ibid.*, p. 36.
1969. *My Hunt for the Blackpoll Warbler*. By F. H. Carpenter. *Ibid.*, pp. 38-40.
1970. *Floating Feathers from the West*. By Chas. A. Keeler. *Ibid.*, Vol. II, No. 1, Jan., 1890, pp. 3-5.—Brief sketches of several California birds.
1971. *Winter Birds of Raleigh, N. C.* By C. S. Brimley. *Ibid.*, pp. 7-10.
1972. *Observations from the Deck of a Steamer*. By L. Otley Pindar. *Ibid.*, pp. 11-12.—On the Mississippi and Ohio Rivers.
1973. *Collecting off the Coast of Maine*. By Chas. S. Butters. *Ibid.*, pp. 13-15.
1974. *Nesting of the Williamson's Sapsucker*. By Wm. G. Smith. *Ibid.*, pp. 15-16.
1975. *The Golden Eagle*. By Geo. F. Breninger. *Ibid.*, pp. 17-21.
1976. *The Nidification of the Golden Eagle*. By W. Raine. *Ibid.*, pp. 21-25.
1977. *The American Long-eared Owl*. By Dr. W. S. Strode. *Ibid.*, pp. 26-28.—Nesting habits.
1978. *Notes on Breeding Habits of Brown-headed Nuthatch at Thomasville, Georgia*. By C. J. Pennock. *Ibid.*, pp. 29-31.
1979. *How the Cooper's Hawk hunts his Prey*. By H. H. Brimley. *Ibid.*, pp. 32-34.
1980. *Report of the Melological Committee*. By S. Willard Bridgham. *Ibid.*, pp. 41-47.—Some account of the singing of various common birds.
1981. *The American Sparrow Hawk*. By Dr. W. S. Strode. *Ibid.*, No. 2, July, 1890, pp. 3-6.—Chiefly nesting habits.
1982. "George." By H. H. Brimley. *Ibid.*, pp. 6-8.—A captive Barred Owl.
1983. *Some Hints on Finding Nests*. By C. S. Brimley. *Ibid.*, pp. 9-10.—Brief notes on several birds in North Carolina.

[Ornithologists' and Oölogists' Semi-annual.—Continued.]

1984. *The Rocky Mountain Screech Owl*. By Wm. G. Smith. *Ibid.*, p. 11.—Nesting habits.
1985. *The Catbird*. By Wm. L. Kells. *Ibid.*, pp. 12-15.—In Ontario.
1986. *The Burrowing Owl*. By F. T. Pember. *Ibid.*, pp. 16-18.—Nesting habits especially.
1987. *Among the Gulls at Duck Island*. By Chas. S. Butters. *Ibid.*, pp. 21-23.—On the coast of Maine.
1988. *Nesting of the Turkey Buzzard*. By Jno. A. Donald. *Ibid.*, pp. 25-26.
1989. *The Prairie Horned Lark*. By Lynds Jones. *Ibid.*, pp. 27-29.
1990. *The Thrushes*. By Charles D. Oldright, Lynds Jones, Willard N. Clute, *et al.* *Ibid.*, pp. 32-43.—Reports by members of the Wilson Ornithological Chapter of the Agassiz Association, chiefly upon nesting and migration of *Mimus polyglottos*, *Galeoscoptes carolinensis*, *Harporhynchus rufus*, *Turdus mustelinus*, *T. fuscescens*, *T. a. pallasii*, *T. u. swainsonii*, *Merula migratoria*.

The Hoosier Naturalist : The Naturalist.

'The Hoosier Naturalist' was published first at Valparaiso, Indiana, by A. C. Jones and R. B. Trouslet as a monthly in August, 1885; Mr. Jones retired after the issue of Vol. I, No. 5. With the end of Vol. II (July, 1887) publication was suspended, but was resumed with Vol. III, No. 1, in January, 1888, as a bi-monthly. At the close of 1888 the place of publication was changed to Kansas City, and the journal became a monthly with a change of title to 'The Naturalist.' After Vol. IV, No. 2, Feb., 1889, publication was suspended until October, 1889, since when publication has continued monthly. We note the following in Vols. I-IV (Nos. 1991-2014) :—

1991. [*Notes on Sialia sialis and Tyrannus tyrannus.*] By W. C. Ransburg. 'The Hoosier Naturalist,' Vol. I, No. 1, Aug., 1885, p. 5.
1992. *An Insectivorous Kite*. By E. L. Brown. *Ibid.*, No. 3, Oct., 1885, p. 25.
1993. *Breeding Habits of Ardea herodias as seen during a Visit to Crane Town*. By [R.] B. [Trouslet.] *Ibid.*, No. 6, Jan., 1886, p. 81.
1994. *Birds of New Mexico*. By Charles H. Marsh. *Ibid.*, No. 7, Feb., 1886, p. 98; No. 8, March, 1886, p. 124.
1995. *Ruby-throated Humming Bird*. [By R. B. Trouslet.] *Ibid.*, No. 7, Feb., 1886, p. 100.—Habits in captivity.
1996. *Nesting of the Blue-winged Yellow Warbler*. By Thos. H. Jaedson [=Jackson]. *Ibid.*, p. 102.
1997. *Was it Instinct?* By 'Æsalon columbarius.' *Ibid.*, p. 108.—*Corvus americanus* hunting for food.
1998. *Bald Eagle*. By John B. Wheeler. *Ibid.*, p. 109.—Habits in Florida.
1999. *Great Horned Owl Eggs*. By James C. Jay. *Ibid.*, p. 112.

[Hoosier Naturalist: The Naturalist.—Continued.]

2000. *Notes on Winter Birds of East Hartford, Conn.* *Ibid.*, No. 8, March, 1886, p. 129.

2001. *A List of the Winter Birds of the Vicinity of Bloomington, Ind.* By W. S. Blatchley. *Ibid.*, Nos. 9 and 10, April and May, 1886, p. 151; No. 11, June, 1886, pp. 169-171.

2002. *New Mexican Humming Birds.* By Charles H. Marsh. *Ibid.*, p. 177; No. 12, July, 1886, pp. 192-193.

2003. *Changing Habits in the Nesting of Birds.* By L. T. Meyer. *Ibid.*, Vol. II, No. 2, Sept., 1886, p. 17.—*Chætura pelagica*, *Passer domesticus*, *Petrochelidon lunifrons*, *Sitta carolinensis*, *Sialia sialis*.

2004. *About My Pets—One of Them.* By 'The Hoosier Schoolmaster' [= —Rausburg]. *Ibid.*, No. 7, Feb., 1887, pp. 89-90.—*Icterus galbula*.

2005. *Prairie Chickens in Winter.* By C. B. J. *Ibid.*, p. 92.—Burrowing in the snow.

2006. *Birds of Monroe County, Indiana.* By Barton W. Evermann. *Ibid.*, No. 10, May, 1887, pp. 137-145.—A briefly annotated list of 178 species.

2007. *A Strange Place for a Nest.* By F. Vernor. *Ibid.*, No. 11, June, 1887, p. 160.

2008. *An Addition to the List of Birds of Monroe County, Indiana.* By B. W. Evermann. *Ibid.*, No. 12, July, 1887, p. 164.

2009. *A Voice from Florida.* By Chas. S. McPherson. *Ibid.*, pp. 165-166.

2010. *White-breasted Nuthatch.* [By R. B. Trouslet.] *Ibid.*, Vol. III, No. 2, March, 1888 [p. 5].

2011. *Birds of Western Florida. The Laughing Gull.* By Chas. S. McPherson. *Ibid.*, Nos. 4 and 5, July and September, 1888 [p. 20].

2012. *Vermont Notes.* By H. H. B. *Ibid.*, Vol. IV, No. 1, Jan., 1889 [p. 1].

2013. *The Shore Lark.* By Frank H. Nutter. *Ibid.*, No. 2, Feb., 1889 [p. 5].

2014. [Snowy Owls.] Editorial. *Ibid.*, No. 6, Jan., 1890 [p. 29].—C. F. B.

Publications Received.—Anthony, A. W. A New Junco from California. (*Junco hyemalis thurberi*). (Zoe, I, p. 238.)

Beddard, Frank E. On the Anatomy of *Podica senegalensis*. (P. Z. S. 1890, pp. 425-443, pl. xxxix.)

Belding, Lyman. Land Birds of the Pacific District. (Occasional Papers of the Cal. Acad. Sci., II.)

Brusina, S. Motriocem Pticejega Svijeta. Aputak i popis domacih ptica. (Soc. Hist. Nat. Croatica.)

Cory, C. B. The Birds of the Bahama Islands. Revised Edition. 4to. Boston, 1890.

Dresser, H. E. (1) Notes on the Racquet-tailed Rollers. (Ann. & Mag. Nat. Hist., Oct. 1890.) (2) Notes on some Birds collected by Dr. G. Radde in the Transcaspian Region. (Ibis, July, 1890.)