

"Containing a List of [St] Birds we may reasonably expect to take in the State." is given in conclusion. Several of the species here mentioned hold a rather doubtful place, and others might obviously be included, while two have before been given in the body of the work. The list is well printed, with but few typographical errors, and its author is to be congratulated on having inaugurated a movement to thoroughly investigate the avifauna of this most interesting State.—F. M. C.

**Minor Ornithological Publications.**—The 'American Field,' Vols. XXIII to XXVIII, 1885-1887, contains, in addition to articles from the 'American Naturalist,' 'The Auk,' 'Popular Science Monthly,' etc., the following (Nos. 1200-1286):—

1200. *The Genus Helminthophaga.* By Dr. Morris Gibbs. *American Field*, Vol. XXIII, No. 1, Jan. 3, 1885, p. 8.—A review of the four species of this genus which have been recorded from Kalamazoo County, Mich.

1201. *The Crow.* By F. L. Paine. *Ibid.*, No. 1, Jan. 3, p. 9. On its destructiveness to crops.

1202. *Migration in the Mississippi Valley.* By W. W. Cooke. *Ibid.*, No. 2, Jan. 10, p. 32.—A call for observers of the migration in the region mentioned.

1203. *Caging Quails.* By A. Scherer. *Ibid.*, No. 2, Jan. 10, p. 32.

1204. *Arrival of Chinese Game Birds.* From the 'Portland Oregonian.' *Ibid.*, No. 3, Jan. 17, p. 57.

1205. *How to Identify Birds.* By Everett Smith. *Ibid.*, No. 6, Feb. 7, p. 127.—An offer to name specimens forwarded for examination.

1206. *The Loggerhead Shrike in Virginia.* By Plover [John S. Wise]. *Ibid.*, No. 7, Feb. 14, p. 152.

1207. *The Genus Vireo in Michigan.* By Dr. Morris Gibbs. *Ibid.*, No. 9, Feb. 28, p. 200.—A review of the six species which occur in the State.

1208. *What the Crow Eats.* By E. S. Stark. *Ibid.*, No. 11, March 14, p. 248. (See also note under same heading by N. Ferguson.)

1209. *Inheritance in Birds.* By E. Haugh. *Ibid.*, No. 12, March 21, p. 272.—A Canary imitates the call of a young chicken.

1210. *The European Sparrow.* *Ibid.*, No. 13, March 28, p. 295.—A letter from Robert Ridgway to Captain W. McK. Heath, condemnatory of *Passer domesticus* and approving of its complete extermination.

1211. *What the Crow Eats.* By Frank Felkman. *Ibid.*, No. 16, April 18, p. 367.

1212. *A Hybrid Duck.* By G. Fream Morcom. *Ibid.*, No. 16, April 18, p. 368.—*Anas boschas* + *Anas obscura*.

1213. *The Family Picidae in Michigan.* By Dr. Morris Gibbs. *Ibid.*, No. 18, May 2, p. 415.—A review of the nine species recorded from the State. (See also No. 19, May 9, p. 438.)

1214. *The Merciless War upon the Birds.* By Charles Aldrich. *Ibid.*, No. 20, May 16, p. 463.—On the destruction of birds for millinery purposes and the necessity of passing stringent laws for their protection.

1215. *Quail, Partridge, Grouse.* By Julius P. de Conine. *Ibid.*, No. 23, June 6, p. 536.—On their correct vernacular names.

1216. *A Mallard Duck's Nest in a Tree.* By E. O. Brauns. *Ibid.*, No. 23, June 6, p. 536.—Near Tracy, Minn., a Mallard appropriates an old Hawk's nest placed twenty feet from the ground in an oak tree twenty feet from the nearest water.

1217. *A Quail Inters its Mate.* From the 'Chicago Times.' *Ibid.*, Vol. XXIV, No. 10, Sept. 5, p. 223.—A male Quail, in confinement, removes from the nest the body of its dead mate, buries it, and completes the task of incubation.

1218. *The Rain Crow and Log Cock.* By Col. G. D. Alexander. *Ibid.*, No. 11, Sept. 12, pp. 246-7.—On the habits of the Cuckoo and Pileated Woodpecker.

1219. *Domesticating Wild Mallards.* By James P. Leach. *Ibid.*, No. 12, Sept. 19, p. 270.

1220. [*A Quail on a Church Steeple.*] By George N. Billings. *Ibid.*, No. 13, Sept. 26, p. 296.

1221. [*The Great Horned Owl.*] By G. O. G. *Ibid.*, No. 18, Oct. 31, p. 416.—Notes on its habits.

1222. [*Quail Nesting in November.*] By A. J. *Ibid.*, No. 23, Dec. 5, p. 538.—A nest with eleven fresh eggs found at High Point, N. C., November 16. [See also *Ibid.*, No. 24, Dec. 12, p. 562.]

1223. [*Hawks killed for Bounty.*] *Ibid.*, No. 24, Dec. 12, p. 562.—One thousand, five hundred and twenty-two Hawks said to have been killed during the last nine months in Cape May County, N. J.

1224. [*Wild Pigeons in California.*] *Ibid.*, No. 24, Dec. 12, p. 562.—Reported to be abundant near Watsonville, Cal.

1225. *Bird Ways.* Editorial. *Ibid.*, No. 25, Dec. 19, p. 577.—A review of Mrs. Olive Thorne Miller's book entitled 'Bird Ways.'

1226. *A Parrot's Affection for a Puppy.* By Geo. D. Alexander. *Ibid.*, No. 25, Dec. 19, p. 585.

1227. [*A Golden Eagle at Bear Island, Nova Scotia.*] *Ibid.*, No. 25, Dec. 19, p. 585.

1228. *Self-Domestication of a Partridge.* By Geo. D. Alexander. *Ibid.*, No. 26, p. 609.—A Quail makes its appearance daily to receive a share of the food given to barnyard fowls.

1229. [*A. O. U. Committee on Bird Protection.*] Editorial. *Ibid.*, Vol. XXV, No. 6, Feb. 6, 1886, p. 129.—Notice of the formation of a committee to promote the protection of birds.

1230. *A Wonderful Parrot.* By Jos. R. Trissler. *Ibid.*, No. 11, March 13, p. 250.—On the accomplishments of a tame Parrot.

1231. *Fashion and the Birds.* Editorial. *Ibid.*, No. 12, March 20, p. 265.—On the destruction of birds for millinery purposes.

1232. [*An Odd Looking Fowl.*] By S. M. Harper. *Ibid.*, No. 12, March 20, p. 272.—A hybrid between a Guinea fowl and a game chicken.

1233. [*Ostriches for California.*] *Ibid.*, No. 15, April 10, p. 345.—Thirty-six Ostriches received at Galveston, Texas, from Port Natal, Africa, to be used for breeding purposes in California.

1234. *Save the Birds.* Editorial. *Ibid.*, No. 16, April 17, p. 361.—An appeal for the protection of birds.

1235. [*The Jardine Collection.*] *Ibid.*, No. 23, June 5, p. 535.—The collection of birds formed by the late Sir William Jardine to be sold at auction.

1236. *Birds of Plumage.* Editorial. *Ibid.*, No. 24, June 12, p. 533.—Noting a decrease in the demand for birds for millinery purposes.

✓ 1237. *The Fauna of Minnesota—Their Traverses and Routes of Migration.* By Charles Hallock. *Ibid.*, No. 25, June 19, p. 583.—Minnesota, intersected by lines of migration running north and south, east and west, considered to possess an unusually rich fauna.

1238. *The Mechanics of Soaring.* By I. Lancaster. *Ibid.*, No. 26, June 26, p. 607.—An attempt to explain, by mechanical laws, the soaring of birds.

1239. *The Drumming of the Ruffed Grouse.* By C. H. Prescott. *Ibid.* Vol. XXVI, No. 2, July 10, p. 31.

1240. [*The Messina Quail in Maine.*] By Frank Henshaw. *Ibid.*, No. 2, July 10, p. 32.—One seen near Thorne's Corner, Maine.

1241. *Mallards Breeding in Confinement.* By A. A. Bogen. *Ibid.*, No. 3, July 17.

1242. *Habits of Southern Cranes.* By C. H. Wood. *Ibid.*, No. 8, Aug. 21, p. 175.—On the breeding of Herons at Moss Point, Miss.

1243. *The Wild Turkey—Its Domestication and Hybridization.* By John Dean Caton. *Ibid.*, No. 11, Sept. 11, p. 247.

1244. *They are to be Worn.* Editorial. *Ibid.*, No. 15, Oct. 9, p. 337.—Wings and tails of birds to be used on bonnets instead of whole birds.

1245. *Domestication of the Wild Turkey.* By W. C. A. (Greensborough, Ala.) *Ibid.*, No. 15, Oct. 9, p. 343.

1246. *Wild Ducks for Domestication.* By Junius P. Leach (Rushville, Ill.). *Ibid.*, No. 17, Oct. 23, p. 391.—A letter asking for assistance in procuring wild Ducks to domesticate.

1247. *Economic Ornithology.* *Ibid.*, No. 18, Oct. 30, p. 415.—On the work of the Division of Economic Ornithology, Dept. of Agriculture, in procuring data concerning the relations to man of *Passer domesticus* and *Dolichonyx oryzivorus*.

1248. [*Wild Pigeons.*] *Ibid.*, No. 18, Oct. 30, p. 415.—“Only two droves are known to exist in the United States today, one in Pennsylvania and one in Indian Territory.”

1249. [*An Albino Nighthawk.*] By W. A. Strother. *Ibid.*, No. 18, Oct. 30, p. 415.—A perfect albino taken at Lynchburg, Va.

1250. *The Mocking Bird.* From the ‘Macon, Ga., Telegraph.’ *Ibid.*, No. 22, Nov. 27, p. 510.—Deploring its wanton destruction in the South.

1251. *Encysted Eggs in Birds.* By A. J. W. *Ibid.*, No. 22, Nov. 27, p. 510.—Passage of the egg from the oviduct being prevented, it is soon surrounded by membranes, and thus becomes firmly fixed at the point of detention. “Such a state of affairs will greatly disturb the physical economy of a bird, causing all the phenomena of fever and its debilitating effects.”

1252. [*Explosion of an Egg.*] *Ibid.*, No. 22, Nov. 27, p. 510.—Dr.

George Bauer of Yale College knocked senseless by the explosion of a "fermented" Ostrich egg.

1253. [*Albino Quail.*] By G. V. Young. *Ibid.*, No. 26, Dec. 25. p. 608.

1254. *Mountain Grouse.* By Roxey Newton (Boise City, Idaho) *Ibid.*, No. 27, Dec. 31, p. 632.

1255. *Birds of Song and Plumage.* By Dr. Geo. Willis. *Ibid.*, No. 27, Dec. 21. p. 632.—On the destruction of birds for millinery purposes.

1256. [*A Golden Eagle at Lake Geneva, Wis.*] *Ibid.*, No. 27, Dec. 31, p. 632.

1257. [*Chinese Pheasants in California.*] *Ibid.*, Vol. XXVII, No. 3, Jan. 15, 1887, p. 56.—Two cocks and a hen imported by John C. Siegfried of Alameda, California.

1258. *The Golden-crowned Accentor.* By J. H. Langille. *Ibid.*, No. 4, Jan. 22, p. 80.—On the flight song of *Scirurus aurocapillus*.

1259. *The Food Habits of Birds.* *Ibid.*, No. 6, Feb. 5, p. 127.—Circular issued by Department of Economic Ornithology and Mammalogy, calling for information on the food of birds.

1260. [*Snowy Owls and Swans at South Haven, Michigan.*] By E. A. Lockwood. *Ibid.*, No. 6, Feb. 5, p. 128.—Ten Owls and two Swans taken in December.

1261. *The English Sparrow (Passer domesticus).* *Ibid.*, No. 7, Feb. 12, p. 153.—Circular issued by the Department of Economic Ornithology and Mammalogy, calling for information concerning *Passer domesticus*.

1262. *The Economic Relations of Mammals.* *Ibid.*, No. 8, Feb. 19, p. 176.—Circular issued by Department of Economic Ornithology and Mammalogy, calling for information on the habits of mammals.

1263. *The Food Habits of Birds.* By E. D. Lecompte. *Ibid.*, No. 9, Feb. 26, p. 200.—Replies to questions asked in the circular issued by Dr. Merriam (See No. 1259).

1264. *The Golden Pheasant.* By W. L. *Ibid.*, No. 8, Feb. 19, p. 176.—Circumstances concerning the introduction of the birds in Oregon.

1265. *The Habits of Snipes.* By A. Guthrie. *Ibid.*, No. 10, March 5, p. 224.—Snipe seen alighting in trees and on fences.

1266. *Hawks and Owls.* By Dr. A. K. Fisher, Ass't Ornithologist U. S. Department of Agriculture. *Ibid.*, No. 11, March 12, p. 246.—Deprecating the killing of Hawks and Owls under the mistaken idea that they are universally destructive to game and poultry.

1267. *Hawks and Owls.* By George Greene. *Ibid.*, No. 13, March 16, p. 296.—In reply to Dr. Fisher; Hawks considered destructive to Quails.

1268. *Hawks and Owls.* By W. C. A. [=W. C. Avery]. *Ibid.*, No. 16, April 16, p. 367.—Personal experiences, confirmatory of Dr. Fisher's statements. (See No. 1266.)

1269. [*An Albino Redwing Blackbird.*] By R. B. Morgan. *Ibid.*, No. 16, April 16, p. 367.—Entirely white except the shoulder patches, which are normal.

1270. *Foul Murder*. By C. D. Hess. *Ibid.*, No. 18, April 30, p. 424.—On the slaughter of Robins in the spring for the Baltimore markets.
1271. *Hawks and Owls*. By George Green. *Ibid.*, No. 21, May 12, p. 502.—Cooper's Hawk a Quail destroyer.
1272. *Crows and Chickens*. By George Green. *Ibid.*, No. 23, June 4, p. 551.—A Crow captures and flies away with a young chicken.
1273. *Sight and Smell*. By Charles Hallock. *Ibid.*, Vol. XXVIII, No. 1, July 2, 1887, p. 7.—On the sense of smell in Crows.
1274. *Sight and Smell*. By F. H. D. Vieth. *Ibid.*, No. 4, July 23, p. 78.—On the sense of smell in the Canada Jay.
1275. *The Senses of Sight and Smell*. By 'Birdo.' *Ibid.*, No. 5, July 30, p. 102.—On the sense of smell in Crows and Buzzards. (See also *Ibid.*, No. 10, Sept. 3, p. 223, and No. 16, Oct. 15, p. 367.)
1276. *The Senses of Sight and Smell*. By Charles Hallock. *Ibid.*, No. 7, Aug. 13, p. 150.—Sight considered of much greater importance to birds and mammals in procuring food, than the sense of smell, which the writer regards as an "auxiliary faculty" occupying "a decidedly secondary place to vision."
1277. *The Game Birds of Oregon*. By George Law. *Ibid.*, No. 8, Aug. 20, p. 174.—A popular account of some of the 'Game Birds' occurring in Oregon.
1278. *The Death of Professor Spencer F. Baird*. *Obituary*. *Ibid.*, No. 9, Aug. 27, p. 193.—(See also *Ibid.*, p. 223.)
1279. *The Senses of Sight and Smell*. By M. G. Ellzey, M.D. *Ibid.*, No. 9, Aug. 27, p. 199.—In reply to and agreeing with Mr. Charles Hallock. (See No. 1276.)
1280. *Vultures Discover Carrion by the Sense of Smell*. By W. C. A. [= W. C. Avery]. *Ibid.*, No. 12, Sept. 17, p. 269. (See also *Ibid.*, No. 14, Oct. 1, p. 318.)
1281. *The Grouse Family*. By W. B. *Ibid.*, No. 14, Oct. 1, p. 318. (See also *Ibid.*, No. 15, Oct. 8, pp. 343-344, No. 16, Oct. 15, p. 366, No. 17, Oct. 22, p. 391, No. 18, Oct. 29, p. 414.)—An extended paper on the American *Tetraonidae*, written chiefly from a sportsman's standpoint, illustrated with several woodcuts, and containing much interesting biographical matter.
1282. *Unusual Nesting Sites*. By Walter E. Bryant. *Ibid.*, No. 17, Oct. 22, p. 392.—Notes from Nevada and California on twelve species of birds.
1283. *Marsh Game*. By James Norris. *Ibid.*, No. 19, Nov. 5, p. 438.—Notes on some of the game birds frequenting the marshes of the Chesapeake.
1284. *Foreign Game*. From the 'New York World.' *Ibid.*, No. 21, Nov. 19, p. 487.—On the game preserves in the vicinity of New York City and the nature and number of the birds with which they have recently been stocked.
1285. [*A Hybrid Duck*.] By F. L. C. *Ibid.*, No. 24, Dec. 10, p. 560.—*Anas boschas* + *Dafila acuta*.

1286. *The Strange Adventures of a Bob White*. By John A. Wells, M. D. *Ibid.*, No. 26, Dec. 24, p. 609.—An exceedingly interesting history of a Quail, which, captured and confined after it was fully grown, learned not only to recognize its master and dog captor, but even to evince a decided affection for both.—F. M. C.

**Publications Received.**—**Atkinson**, George F. Preliminary Catalogue of the Birds of North Carolina, with Notes on some of the Species. (Journ. Elisha Mitchell Sci. Soc. pt. 2, pp. 44-87.)

**Bocage**, B. du. Note sur la *Phæospiza thomensis*. (Journ. Acad. real das Sci. de Lisboa, 1888, p. 192.)

**Bocage**, J. V. du. Sur un Oiseau nouveau de St. Thomé de la Fam. Fringillidæ (Ibid., pp. 148-150.)

**Fisher**, Wm. H. (1) The American Crossbill (*Loxia curvirostra minor*); as to some of its Habits and fondness for Salt. (Journ. Cincinnati Soc. Nat. Hist., Jan. 1886, pp. 203, 204.) (2) The Canada Grouse (*Dendragapus canadensis*). Some Remarks as to its Scarcity, Habits, etc. (Ibid., pp. 205, 206.)

**Pelzeln**, A. von, und Dr. L. von Lorenz. Typen der ornithologischen Sammlung des k. k. naturhistorischen Hofmuseums. IV Theil (Schluss). (Ann. des. k. k. naturhist. Hofmuseums, Bd. III, 1888, pp. 37-62.)

**Reichenow**, Ant. Bericht über die Leistungen in der Naturgeschichte der Vögel während des Jahres 1885. (Arch. für Naturgesch. 52 Jahr. Bd. II, pp. 145-232.)

**Scott**, W. E. D. Notes on Arizona Birds. New York, L. S. Foster, (Collection of 12 papers published in 'The Auk,' 1885-88.)

**Shufeldt**, R. W. On the Skeleton in the genus *Sturnella*, with osteological notes upon other North American Icteridæ, and the Corvidæ. (Journ. Anat and Phys. XXII, pp. 309-350, pll. xiv, xv.)

**Souza**, J. A. de. Enumeraçao das aves conhecidas da Ilha de S. Thomé sequida da lista das que existem d'esta ilha no Museu de Lisboa. (Jorn. de Acad. real das Sci. de Lisboa, 1888, pp. 151-159.)

**Taylor**, W. E. (1) The Migration of the American Magpie to Eastern Nebraska, Twenty-five years ago. (Am. Nat., Dec. 1887, pp. 1122, 1123.) (2) Missouri River Crow Roosts. (Ibid., pp. 1123, 1124.)

**Turner**, L. M. Contributions to the Natural History of Alaska. 4to. Washington, 1886 (= 1888).

**Agassiz Record**, I, No. 3, 1888.

**American Field**, XXIX, Nos. 12-23, 1888.

**American Journ. Sci.**, XXIV, Apr.-June, 1888.

**American Naturalist**, XXII, Mch.-Apr., 1888.

**Audubon Magazine**, II, Apr.-June, 1888.

**Bay State Oölogist**, I, Mch.-May, 1888.

**Canadian Record of Science**, III, No. 2, 1888.

**Forest and Stream**, XXX, Nos. 10-21, 1888.

**Hoosier Naturalist**, III, No. 3, May, 1888.

**Naturalist**, The, a Month. Journ. Nat. Hist. for North of England, Nos. 153-155, 1888.