In the collection of Dr. A. Miller, of North Manchester, Ind., there are probably 175 species of parasitic fungi and perhaps twenty-five species of the Slime Moulds, if I may, for convenience, still place them among the fungi.

Nearly a complete list of the Phanerogams may be found in the herbarium of Mr. John N. Jenkins, North Manchester, Ind., who has done valuable work in collecting these forms.

BIRDS OF WABASH COUNTY. BY ALBERT B. ULREY AND WILLIAM O. WALLACE.

The present list enumerates 188 species of the birds of Wabash County. Under each species are given notes concerning its abundance and in some instances we have incorporated other observations which pertain to the life-history of the species.

Most of the work was done at intervals during the years 1890 to 1893. Part of the observations were made in the extreme northern portion of the county in the Eel River valley, near North Manchester. About an equal amount of work was done in the Wabash valley near Wabash, and some observations were made nine miles north of Lagro by Mr. Orrin Ridgley.

We have included in the list only those species identified by us, and with only a few exceptions skins of each species have been preserved. We have noted the breeding habits of those species only which came under our own observation. We may expect to find two hundred or more birds within the county. The list is quite complete in warblers, containing 31 species, one of them the very rare Dendroica kirtlands. Perhaps three more would complete the list to be found in the county. We shall probably find Protonotaria citrea, Helmstherus rermivorous and Geothlypis formosa. The deficiencies in our list are mainly among the water birds. Our only large stream, the Wabash, flows nearly eastward here and is not rich in migrating water birds. The region in the northwestern part of the county, containing numerous small lakes, has not contributed many species to our list, because only a few of the rarer birds taken there by the hunters have been identified by us.

The Wabash River flows in a northerly direction to Logansport, where it bends abruptly to the east and continues in this direction through the county. Near Wabash one of the tributaries of the Wabash River flows nearly due southward. A heavy growth of timber extends along the stream northward some distance from the Wabash and ends abruptly at a large tract of land under cultivation. During the spring migrations the birds collect in the north edge of this

woodland in great numbers. It seems that in their northward migrations along the Wabash River the birds attempt to follow the wooded region of the smaller stream instead of pursuing the eastward course of the Wabash, and on reaching the open fields find themselves in a sort of trap. It was at this place that a large per cent, of the birds inhabiting the woodland were taken.

- 1. Podylimbus podiceps Linnæus. Pied-hilled Grebe. Rather common migrant.
- Colymbus auxitus L. Horned Grebe. Two specimens were taken November 27, 1895, after a severe storm.
- 3. Urinator imber Gunner. Loon. Great Northern Diver. Not infrequently taken on the lakes. Five or six were taken on the Wabash River near Wabash.
- 4. Larus argentatus smithsonianus Coues. American Herring Gull. One specimen taken as it flew over the house four miles west of Wabash. The specimen was taken by Mr. E. Wright and is now in his possession.
- 5. Larus philadelphia Ord. Bonaparte's Gull. One specimen taken on Lake Maxinkuckee. It will probably be taken here.
- 6. Sterna forsteri Nutt. Forster's Tern. Several specimens were taken on Lake Maxinkuckee.
- 7. Hydrochelidon nigra surinamensis Gmel. Black Tern. Probably taken here. We have a specimen from the same place as the last.
- 8. Phalacrocorar dilophus Sw. and Rich. Double-crested Cormorant. A male and female were taken on Long Lake, November 15, 1890.
- Merganser americanus Cassin. American Merganser. Not uncommon migrant and winter resident.
- 10. Lophodytes cucultatus Linnaus. Hooded Marganser. Rare. Three specimens taken.
- 11. Anas boschas Linnaeus. Mallard. Abundant migrant; sometimes taken in midwinter, and three were killed July 3, 1892, by Mr. E. Wright. Hunters report its breeding, but we have not observed it.
 - 11a. Anas obscura Gmelin. Black Duck. One specimen taken at Wabash.
- 12. Anas discors Linnaus. Blue-winged Teal. Only one specimen. It was taken April 15, 1891.
- 13. Air sponsa Linnaus. Wood Duck. Abundant summer resident. I have taken the young when still unable to fly. Wallace.
 - 13a. Spatula elypeata L. Spoon Bill. Only one specimen taken. Wabash.
- 14. Aythya affinis Eyt. Lesser Scaup Duck. A specimen was taken on Long Lake, November 15, 1890.

- 15. Charitonetta albeola Linnaus. Butter Ball. One specimen from Long Lake. Occasionally killed on Eel River by hunters.
- 16. Branta canadensis Linnæus. Canada Goose. One specimen taken; frequently seen migrating.
- 17. Olor columbianus Ord. Whistling Swan. One specimen taken November 15, 1894, on Long Lake.
- 18. Botaurus lentigmosus Montag. American Bittern. Several specimens known to have been taken.
- Botanrus exilis Gmelin. Least Bittern. Two specimens taken, April 19 and May 1, 1894.
- 20. Ardea herodias Linnaus. Great Blue Heron. Common summer resident.
- 21. Ardea egretta Linnæus. American Egret. A specimen taken just beyond the north line of Wabash County, in Kosciusko County.
- 22. Ardea virescens Linnaus. Green Heron. Abundant summer resident. Breeds.
- 23. Nyeticorax nyeticorax nævius Bodd. Black-crowned Night Heron. Two specimens taken. One at North Manchester and one at Wabash.
- 24. Rallus virginianus Linnæus. Virginia Rail. One specimen taken at Rock Lake, in Fulton County just across the line, September 1, 1894.
- 25. Porzana carolina Linnaus. Carolina Rail. Not infrequently taken by hunters.
 - 26. Fulica americana Gmel. American Coot. Abundant migrant.
 - 27. Philohela minor Gmel. American Woodcock. Not very common.
- 28. Gallinago delicata Ord. Wilson's Snipe. I took a specimen January 1, 1892, and the same winter two were killed between December 25th and January 1 by a friend of mine. I have seen them in midsummer. Wallace.
- 29. Tringa maculata Vieillot. Jack Snipe. Very common during migrations, especially in September. It may be found at this time in great abundance along the Wabash River in company with the Solitary Tattler and Killdeer.
- 30. Tringa minutilla Vieillot. Least Sandpiper. Rare. One specimen taken from a flock of Solitary Tattlers, August 29, 1893.
- 31. Tringa bairdii Cones. Baird's Sandpiper. Rare. Only one specimen taken. This is apparently the only record of the bird in the State. [Proc. Ind. Acad. Sci. 1893, p. 118].
- 32. Totanus melanoleucus Gmelin. Greater Yellow-legs. I have never seen this bird except on September 24 and 25, 1893, when I observed a number along the river, three of which I shot. Wallace.

- 33. Totanus solitartus Wilson. Solitary Tattler. Very common summer resident. Breeds.
- 34. Bartramia longicauda Bechst. Upland Plover. One specimen taken from a flock of three.
- 35. Actitis macularia Linnæus. Spotted Sandpiper. Very common summer resident. Breeds.
- 36. Ægialites vocifera Linnæus. Killdeer. Abundant summer resident. Breeds.
- 37. Colinus virginianus Linnæus. Bob-white. Formerly very abundant, but much less so since the winter of 1892-3, when they were destroyed in great numbers by the severe cold and snow.
- 38. Bonasa umbellus Linnaus. Pheasant. Formerly common, now becoming rare.
- 39. Tympunuchus americanus Reich. Prairie Hen. Occasionally taken on the prairie region near Wabash.
- 40. Meleagris gallopavo Linnieus. Wild Turkey. Formerly common, now probably extinct. The last one known to have been taken was in 1880.
- 41. Ectopists migratorius Linnaus. Wild Pigeon. Formerly abundant, but none have been seen recently.
- 42. Zenaidura macroura Linnieus. Turtle Dove. Very common resident. Breeds.
- 43. Cathartes aura Linneus. Turkey Buzzard. Abundant summer resident. Breeds in hollow logs, trees, etc.
- 44. Circus hudsonius Linnaus. Marsh Hawk. Rather common about prairie regions. Extremely variable in color. Breeds.
- 45. Accipiter ecoperi Bonaparte. Cooper's Hawk. Common. Probably our most common injurious hawk.
 - 46. Buteoborealis Gmelin. Red-tailed Hawk. Abundant resident. Breeds.
 - 47. Buteolineatus Gmelin. Red-shouldered Hawk. One specimen taken.
 - 48. Buteolatissimus Wilson. Broad-winged Hawk. Two specimens taken.
- 49. Falcosparverius Linnæus. American Sparrow Hawk. Quite abundant resident. Breeds.
- 50. Strix pratincola Bonaparte. American Barn Owl. A single specimen taken by Mr. Frank Bell at North Manchester.
- 51. Asio wilsonianus Less. American Long-eared Owl. A specimen was taken near the north county line. It is in the collection of Mr. M. L. Galbreath.
- 52. Asio accipitrinis Pallas. Short-eared Owl. Four specimens taken at Wabash and one just north of the county line in Whitley County.

- 53. Syrnium nebulosum Forst. Barred Owl. Quite abundant resident.
- Nyetala acadica Gmelin. Saw-whet Owl. One specimen taken November 20, 1894.
- 55. Megascops asio Linnaus. Screech Owl. Abundant, both red and gray phases.
- Bubo virginianus Gmelin. Great Horned Owl. Abundant resident.
 Breeds.
- 57. Nyctea nyctea Linnaus. Snowy Owl. A specimen of this owl was taken near Roann, probably during the winter of 1891-2, another near North Manchester during the winter of 1893 and one in 1894.
- 58. Coccyzus americanus Linnaeus. Yellow-billed Cuckoo. Abundant summer resident. Breeds.
- 59. Coccyzus erythrophthalmus Wilson. Black-billed Cuckoo. One or two specimens taken. Perhaps rather common.
- 60. Ceryle aleyon Linnaens. Belted Kingfisher. Abundant summer resident. Breeds,
 - 61. Dryobates villosus Linnaus. Hairy Woodpecker. Abundant resident.
- 62. Dryobates pubescens Linnaus. Downy Woodpecker. Abundant resident. Breeds.
- 63. Sphyrapicus varius Linn:eus. Yellow-bellied Woodpecker. Common migrant.
- 64. Ceophlaus pileatus Linneus. Pileated Woodpecker. Formerly common, but none have been seen recently.
- 65. Melanerpes erythrocephalus Linnæus. Red-headed Woodpecker. Abundant, some years resident. Breeds.
- 66. Melanerpes carolinus Linnæus. Red-bellied Woodpecker. Abundant resident, more common in winter.
 - 67. Colaptes auratus Linnaus. Flicker. Abundant resident. Breeds.
- 68. Antrostomus vociferus Wilson. Whip-poor-will. Abundant summer resident.
- 69. Chordeiles rirginianus Gmelin. Night Hawk. Common summer resident, more common in late summer.
- 70. Chetura pelagica Linnæus. Chimney Swift. Abundant summer resident. Breeds.
- 571. Trochitus colubris Linnæus. Ruby-throated Humming-bird. Common summer resident. Breeds. On May 19, 1894, two were found dead after a few days cold weather.

- 72. Tyrannus tyrannus Linnaus. Kingbird. Very common summer resident. Breeds.
- 73. Myiarchus crinitus Linnæns. Crested Fly-catcher. Common summer resident. Breeds.
- 74. Sayornis phabe Latham. Phabe. Abundant summer resident. Breeds.
- Contopus virens Linnæus. Wood Pewee. Very common summer resident. Breeds.
- 76. Empidonax fluriventres Baird. Yellow-bellied Fly-catcher. Not very common migrant.
- 77. Empidonas acadiens Gmelin. Acadian Fly-catcher. A common migrant.
- 78. Empidonax minimus Baird. Least Fly-catcher. Not very common migrant.
- 79. Otocorys alpestris praticola Hensh. Prairie Horned Lark. Resident. Breeds. More abundant during severe cold in winter.
- 80. Cyanocitta cristata Linneus. Blue Jay. Abundant resident. Very destructive to young birds and eggs.
 - 81. Corvus americanus And. American Crow. Abundant resident. Breeds.
- 82. Dolichonyr oryzivorus Linmens. Bob-o-link. Summer resident. Breeds. Formerly rare or wanting. Becoming more common évery summer.
 - 83. Molothrus ater Bodd. Cow bird. Abundant summer resident.
- 84. Agraius phæniceus Linnaeus. Red-winged Blackbird. Abundant summer resident breeding in swamps.
- 85. Sturnella magna Linnæus. Meadow Lark. Common summer resident and often seen in mid-winter. Breeds.
- 86. Icterus spurius Linnaeus. Orchard Oriole. Common summer resident. Breeds.
- 87. Icterus galbula Linnæus. Baltimore Oriole. Probably more abundant than the last species. Breeds.
- 88. Scolecophagus carolinus Müll. Rusty Blackbird. Rather common migrant.
- 89. Quisculus quiscula wneus Ridgway. Crow Blackbird. Abundant summer resident, sometimes seen in mid-winter.
- 90. Coccothranstes respertina Coop. Evening Grosbeak. Two pair were taken just beyond the north county line in Whitley County, one pair of which is in the collection of Mr. M. L. Galbreath, Collamer, Ind.

- 91. Carpodacus purpureus Gmel. Purple Finch. Migrant, not very common.
- 92. Loxia curvirostra minor Brehm. American Crossbill. Two specimens seen September 11, 1894, in the cemetery at Wabash.
- 93. Acanthus tinaria Linnaeus. Redpoll Linnet. Several flocks were seen during the winter of 1889-90. This is the only time they have been noted in the county except a record of the same date by Mr. D. C. Ridgley, nine miles north of Lagro.
- 94. Spinis tristis Linnæus. American Goldfinch. Abundant resident. Breeds.
- 95. Spinus pinus Wils. Pine Siskin. One shot from a flock of goldfinches which came to feed on the mulleins in our yard January 10, 1892. (Wallace.)
- 96. Calcarius lapponicus Linnaus. Lapland Longspur. This bird was first taken by Mr. Orrin Ridglev in the fall of 1891. At Wabash one was taken in 1892, and during the winter of 1893-94 they were common, coming in September and remaining until March 15. All were in company with Horned Larks.
- 97. Poocetes gramineus Gmel. Bay-winged Bunting. Very abundant summer resident.
- 98. Passer domestica Linnæus. European House Sparrow. "English Sparrow." Very abundant resident. Not so abundant as in 1892. A great many were destroyed during the winter of 1892-93.
- 99. Ammodramus sandwichensis saranna Wils. Savanna Sparrow. Migrant, not common.
- 100. Ammodramus savannarum passerinus Wils. Grasshopper Sparrow. Abundant summer resident. Breeds.
- 101. Chondestes grammacus Say. Lark Sparrow. Not very common summer resident. Breeds. More common during migrations.
- 102. Zonotrichia leucophrys Forst. White-crowned Sparrow. Abundant migrant, occasionally seen as late as June 10.
- 103. Zonotrichia albicollis Gmel. White-throated Sparrow. Much more abundant than the last species. Its peculiar note, once heard, is not readily forgotten.
 - 104. Spizella monticola Gmel. Tree Sparrow. Abundant winter resident.
- 105. Spizella socialis Wils. Chipping Sparrow. Very common summer resident. Breeds.
- 106. Spizella pusillo Wils. Field Sparrow. Abundant summer resident. Breeds.

- 107. Junco hyemalis Linnæus. Slate-colored Junco. Snowbird. Common winter resident, but more abundant in fall and spring.
 - 108. Melospiza fasciata Gmel.. Song Sparrow. Abundant resident. Breeds.
 - 109. Melospiza georgiana Lath. Swamp Sparrow. Migrant, not common.
 - 110. Passerella iliaca Merr. Fox Sparrow. Common early migrant.
- 111. Pipilo erythrophthalmus Linneus. Towhee. Chewink. Common summer resident. Breeds. A few remain over winter.
- Cardinalis cardinalis Linnaens. Cardinal Grosbeak. A common resident, less so than formerly. Breeds.
- 113. Habia ludroiciana Linnæus. Rose-breasted Grosbeak. Summer resident, sometimes abundant and sometimes wanting. Breeds.
- Passe ina cymea Linnaus. Indigo Bunting. Very common summer resident. Breeds.
- 115. Spiza americana Gmel. Black-throated Bunting. Very abundant summer resident. Breeds.
- 116. Piranga erythromelas Vieill. Scarlet Tanager. Common summer resident. Breeds.
- 117. Progne subis Linnaus. Purple Martin. Summer resident, abundant in cities. Breeds.
- 118. Petrochelidon tunifrons Say. Cliff Swallow. Summer resident, breeds, but is not so common as formerly. It has been driven out by the English Sparrow.
- 119. Chelidon erythrogaster Bodd. Barn Swallow. Adundant summer resident. Breeds.
- 120. Tachycineta bicolor Vieillot. Tree Swallow. Not often seen. They were observed in some abundance in the fall of '93.
- 121. Clivicola riparia Linnaus. Bank Swallow. Common along the Wabash River. Breeds.
- 122. Stelgidopteryx serripennis And. Rough-winged Swallow. Only two specimens taken.
- 123. Ampelis garrulus Linnaus. Bohemian Waxwing. A specimen was taken near the Wabash County line and is now in the collection of Mr. M. L. Galbreath.
- 124. Ampelis cedrorum Vieill.. Cedar Bird. Common resident. Breeds late in summer.
- 125. Lanius borealis Vieill. Northern Shrike. Butcher Bird. Winter resident, not abundant.

- 126. Lanius Indonicianus excubitorides Swainson. White-rumped Shrike. Common summer resident. Breeds. The typical species may also be found here.
- 127. Vireo olivaceons Linnaeus. Red-eyed Vireo. Abundant summer resident. Breeds.
- 128. Vireo philadelphicus Cassin. Philadelphia Vireo. Rather rare migrant.
- 129. Vireo gilvus Vieill. Warbling Vireo. Common summer resident. Breeds.
 - 130. Vireo flavifrons Vieill. Yellow-throated Vireo. Abundant migrant.
 - 131. Vireo solitarius Wils. Blue-headed Vireo. Migrant; not common.
- 132. Mniotilta raria Linnaus. Black and White Warbler. Abundant in woodland during migrations,
- 133. Helminthophila pinus Linnæus. Blue-winged Warbler. Summer resident, never very common. Breeds.
- 134. Helminthophila chrysoptera Linnaus. Golden-winged Warbler. Migrant; not so common as the last.
- 135. Helminthophila ruficapilla Wils. Nashville Warbler. An abundant migrant.
- 136. Helminthophila celeta Say. Orange-crowned Warbler. Rare. One specimen taken May 15, 1892.
- 137. Helminthophila perigrina Wils. Tennessee Warbler. Abundant migrant; most common in fall, when they may be found in great abundance along the rivers.
- 138. Compsothlypis americana Linnæus. Parula Warbler. A rare migrant; two specimens taken.
 - 139. Dendroica tigrina Gmel. Cape May Warbler. Migrant; not common.
- 140. Dendroica astira Gmel. Yellow Warbler. Very common summer resident. Breeds.
- 141. Dendroica curulescens Gmel. Black-throated Blue Warbler. Migrant; common. In the fall of 1893 it was probably our commonest warbler. It is fond of the dense woodland.
- 142. Dendroica coronata Linnaeus. Yellow-rumped Warbler. The earliest of the warblers to arrive and the last to go in the fall. It is probably our most abundant warbler.
- 143. Dendroica maculosa Gmel. Magnolia Warbler. Not very common. Its habits of seclusion make it seem less common than others of equal abundance.
- 144. Dendroica carulea Wils. Carulean Warbler. Rather common. So far it has been found only during the migrating season.

- 145. Dendroica pennsylvanica Linnæus. Chestnut-sided Warbler. Common migrant.
- 146. Dendroica castanea Wils. Bay-breasted Warbler. Not common; most most frequently seen in the fall.
 - 147. Dendroica striata Forst. Black-poll Warbler. Rather rare migrant.
- 148. Dendroica blackburniæ Gmel. Blackburnian Warbler. Abundant migrant.
- 149. Dendroica dominica albilora Baird. Sycamore Warbler. Rather rare migrant.
- 150. Dendroica virens. Gmel. Black-throated Green Warbler. Very abundant migrant.
- 151. Dendroica rigorsii And. Pine-creeping Warbler. Only two specimens taken in the county.
- 152. Dendroica kirtlandi Baird. Kirtland's Warbler. The only specimen known in the State was taken May 4, 1892. This is the twenty-second specimen reported from North America. Little is known of its life history. I took it in a thicket. It was alone, there being no other birds in the near vicinity of it. It seemed to be an active fly catcher, not having the motions of the other Dendroica, being less active. It would dart off after an insect and then return to the same perch. Another specimen was taken May 7, 1895. Early in the morning I heard a bird singing in the thicket of plum trees near the house. The song was strange to me, and consisted of a loud ringing note repeated three times in quick succession, suggesting that of the Wrens or Marvland Yellow Throat. I did not go to look for it at once, but as it continued singing for some time I finally got my gun and went to look for it. It had flown over into the orchard then, but soon returned to the plum thicket and was constantly uttering that peculiar note. I finally caught sight of it and watched it for some time, not thinking of its being the rare kirtandi. It moved with the grace and ease of a vireo or fly-catcher. Wallace. [Proc. Ind. Academy of Science, 1893, pp. 119, 120].
- 153. Dendroica discolor Vieill. Prairie Warbler. One specimen was taken May 2, 1892.
 - 154. Dendroica palmarum Gmel. Red poll Warbler. Abundant migrant.
- 155. Seinens aurocapillis Linnaeus. Oven-bird. Very common summer resident.
- 156. Seiurus noveboracensis Gmel. Short-billed Water Thrush. Rather rare migrant.
- 157. Seiurus motacilla Vieill. Large-billed Water Thrush. Summer resident; more common than the last. Arrives as early as April 3.

- 158. Geothlypis agilis Wils. Connecticut Warbler. Only one specimen taken.
- 159. Geothlypis philadelphia Wils. Mourning Warbler. Found in dense thickets. It was rather common in the spring of 1892, but has not been seen since.
- 160. Geothlypis trichas Linnaus. Maryland Yellow-throat. Abundant summer resident.
- 161. Icteria virens Linn. Yellow-breasted Chat. Summer resident, not common.
- 162. Sylvania mitrata Gmel. Hooded Warbler. One specimen was taken September 13, 1893.
- 163. Sylvania pusilla Wils. Black-capped Yellow Warbler. Three specimens were seen during the spring of 1892, but it has not been noted since.
- 164. Sylvania canidensis Linnæus. Canadian Fly-catching Warbler. A common migrant.
- 165. Setophiga ruticilla Linnæus. American Redstart. Summer resident, but much more common during migrations.
- 166. Anthus pennsylvanicus Lath. American Titlark. A migrant of irregular occurrence, but in some seasons very abundant.
- 167. Galeoscoptes carolinensis Linneus. Cat-bird. Abundant summer resident. Breeds.
- 168. Harporhynchus rufus Linnæus. Brown Thrusher, Brown Thrush. Abundant summer resident.
- 169. Thryothorus Indovicianus Lath. Carolina Wren. Rather rare resident. Some seasons none are seen.
- 170. Thryothurus bewickii Aud. Bewick's Wren. Rather common summer resident.
- 171. Troglodytes aedon Vieill. House Wren. Common summer resident. Breeds.
- 172. Troglodytes hyemalis Vieill. Winter Wren. Common migrant. Probably some remain throughout the winter.
- 173. Certhia familiaris americana Bonap. Brown Creeper. Common migrant. Occasionally seen in midwinter.
 - 174. Sitta carolinensis Lath. White-breasted Nuthatch. Common resident.
- 175. Sitta canadensis Linnæus. Red-breasted Nuthatch. One specimen taken Sept. 15th, 1891.
 - 176. Parus bicolor Linnaus. Tufted Titmonse. Very common resident.

- 177. Parus atrocapillis Linnaus. Black-capped Chickadee. Abundant winter resident.
- 178. Regulus satrapa Licht. Golden-crowned Kinglet. Common winter resident.
- 179. Regulus calendula Linnaus. Ruby-crowned Kinglet. Common migrant.
- 180. Polioptila corulea Linnaus. Blue-gray Gnatcatcher. Common summer resident.
 - 181. Turdus mustelinus Gmel. Wood Thrush. Common summer resident.
- 182. Turdus fuscescens Steph. Wilson's Thrush. Migrant. Not so common as the preceding.
- 183. Turdus ustulatus swainsonii Cab. Olive-backed Thrush. Rather common migrant.
- 184. Turdus aonalaschkæ pallasii Cab. Hermit Thrush. Common migrant. Our most abundant Thrush.
- 185. Merula migratoria Linnaus. American Robin. Very abundant summer resident. Breeds.
 - 186. Sialia sialis Linnæus. Blue Bird. Abundant summer resident. Breeds.

Notes on a Collection of Fishes of Dubois County, Indiana. W. J. Moenkhaus.

The following list of fishes is offered as a slight addition to our knowledge of the fishes of Indiana. The list is based on a collection made during the second week in September, 1893, in Patoka River and Short Creek near Huntingburg, Dubois County, Indiana. It has been withheld from publication thus long because I have hoped that further work might be done in the same streams, but as each year makes this more improbable, it is perhaps best to publish the list as it is. Very little is known of the fishes of the Patoka River, investigations having been made only near its mouth, at the city of Patoka, by Jordan and Evermann, some years ago. (Jordan, Bull. U. S. Fish Com. VIII, 1890).

The Patoka River flows from east to west across about one-half the width of the State. In its course it passes through the southern part of Orange County and through the middle of Dubois, Pike and Gibson counties, emptying into the Wabash a few miles south of the mouth of the White River. In the vicinity of Huntingburg where it was fished, the channel is from 75 to 100 yards in width. The stream is everywhere obstructed along the banks and ofttimes entirely across