

LICHENOLOGICAL RECORDS FROM CENTRAL AND NORTHERN ILLINOIS

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ABSTRACT.— Fifty-one species are reported; 17 are new to the known flora of Illinois. Literature concerning the Illinois lichen flora is summarized.

Publications pertaining to lichens of Illinois are: Tuckerman (1866), Willey (1877, 1878, 1890), Wolf & Hall (1878), Brendel (1887), Müller (1889), Calkins (1896), Fink (1899, 1900, 1906, 1935), Magnusson (1929, 1934, 1944, 1947), Hedrick (1933), Hartline (1938), Berry (1941), Llano (1950), Servit (1950a, 1950b), Thomson (1950, 1963, 1968), Imshaug (1951, 1957), Hale (1952, 1955, 1956, 1958, 1962, 1964, 1965), Degelius (1954), Rudolph (1955), Kurokawa (1962), Henssen (1963), Hale & Kurokawa (1964), Sierk (1964), Imshaug & Brodo (1966), and Skorepa & Snider (1967). The 51 species reported here were collected mainly by myself in the fall of 1968. Seventeen species are newly reported from Illinois; almost all of the reports represent county records. Specimens are at SIU. Names preceded by an asterisk are new to Illinois.

- **Allarthonia caesia* Flot. BUREAU CO.: Kasbeer, 5167. OGLE CO.: White Pines Forest State Park, 5055. STEPHENSON CO.: Lake Le-Aqua-Na State Park, 5046. Found on *Juglans*, *Populus*, and *Prunus*; common on trees throughout the state.
- **Arthopyrenia bififormis* (Borr.) Mass. JERSEY CO.: Stump Lake, 5125. Found on *Carya* in the open.
- Bacidia inundata* (Fr.) Körb. JERSEY CO.: Grafton, 5084. On limestone on a dry slope.
- Buellia punctata* (Hoffm.) Mass. OGLE CO.: White Pines Forest State Park, 5056. WILL CO.: Lorenzo, Skorepa & Vermoch 5215. On *Quercus* and *Prunus*.
- Caloplaca flavovirescens* (Wulf.) Dalla Torre & Sarnth. CALHOUN CO.: 5 mi. S of Hardin, 5063. On limestone.
- Caloplaca microphyllina* (Tuck.) Hasse. BUREAU CO.: Kasbeer, 5168. FULTON CO.: 5 mi. W. of Havana, 5018. STEPHENSON CO.: Lena, 5159. On fence posts.
- Candelaria concolor* (Dicks.) B. Stein. BUREAU CO.: 1 mi. S of Ohio, 5053. CALHOUN CO.: Kampsville, 5098; 5 mi. S of Hardin, 5066. FULTON CO.: 5 mi. W. of Havana, 5019. JERSEY CO.: Stump Lake, 5126. JO DAVIES CO.: Stockton, 5121. LA SALLE CO.: Starved Rock State Park, 5184. LEE CO.: Green River Conservation Area, 5028. SANGAMON CO.: Springfield, 5212. STEPHENSON CO.: 8 mi. N of Ridott, 5109. WILL CO.: Lorenzo, Skorepa & Vermoch 5222. The common yellow lichen of trees and fence posts throughout the state.
- Candelariella vitellina* (Ehrh.) Müll. Arg. OGLE CO.: Castle Rock 5181. On vertical sandstone in full sun.
- Cladonia caespiticia* (Pers.) Flörke. FAYETTE CO.: Ramsey Lake State Park, 5115. On soil in dry woods.
- Cladonia cristatella* Tuck. WILL CO.: Lorenzo, Skorepa & Vermoch 5214. On old wood in a field.
- **Cladonia decorticata* (Flörke) Spreng. WILL CO.: Lorenzo, Skorepa & Vermoch 5225. On old wood in a field.
- Cladonia furcata* (Huds.) Schrad. LA SALLE CO.: Starved Rock State Park, 5149. On a soil bank in dry woods.
- Cladonia pyxidata* (L.) Hoffm. FAYETTE CO.: Ramsey Lake State

- Park, 5116. OGLE CO.: Castle Rock, 5024. Found on soil in dry places.
- **Cladonia robbinsii* Evans. OGLE CO.: Castle Rock, 5025. Over soil on a dry slope.
- **Cladonia subtenuis* (Abb.) Evans. FAYETTE CO.: Ramsey Lake State Park, 5117. On soil in dry woods.
- Cladonia uncialis* (L.) Wigg. OGLE CO.: Castle Rock, 5023. Over soil on a dry slope.
- Cyphellium tigillare* (Ach.) Ach. JERSEY CO.: Grafton, 5118. LEE CO.: Green River Conservation Area, 5029. MACOUPIN CO.: Piasa, 5051. MONTGOMERY CO.: Litchfield, 5093. A common greenish yellow crust on fence posts and old wood throughout Illinois.
- Dermatocarpon minutum* (L.) Mann. CALHOUN CO.: 5 mi. S of Hardin, 5061. On limestone in full sun.
- Endocarpon pusillum* Hedw. JERSEY CO.: Grafton, 5079. Found on limestone on a dry slope, filtered sun.
- Graphis scripta* (L.) Ach. FAYETTE CO.: Ramsey Lake State Park, 5158. On *Carya* in dry woods.
- Heterodermia tremulans* (Müll. Arg.) W. Culb. LA SALLE CO.: Starved Rock State Park, 5189. On white oak in dry woods.
- **Lecanora dispersa* (Pers.) Somm. CALHOUN CO.: 5 mi. S of Hardin, 5062. COOK CO.: Riverside, 5224. WILL CO.: Lorenzo, *Skorepa & Vermoch* 5218. On rocks and concrete.
- **Lecanora rubina* (Vill.) Ach. OGLE CO.: Castle Rock, 5179. Rare in Illinois. At Castle Rock this species grows with *Candelariella vitellina* and *Rinodina oreina* on the most severely exposed sandstone.
- Lecanora symmicta* (Ach.) Ach. WILL CO.: Lorenzo, *Skorepa & Vermoch* 5216. On oak wood in a field.
- Lecidea flexuosa* (Fr.) Nyl. WILL CO.: Lorenzo, *Skorepa & Vermoch* 5218.
- **Lecidea russellii* Tuck. JO DAVIESS CO.: Apple River Canyon State Park, 5200. On limestone.
- Lecidea uliginosa* (Schrad.) Ach. WILL CO.: Lorenzo, *Skorepa & Vermoch*, 5217. On oak wood in a field.
- Parmelia aurulenta* Tuck. FAYETTE CO.: Ramsey Lake State Park, 5190. OGLE CO.: White Pines Forest State Park, 5142. Found on *Fraxinus* and *Quercus*; common on trees and on sandstone in southern Illinois.
- **Parmelia bolliana* Müll. Arg. LA SALLE CO.: Starved Rock State Park, 5171, 5185. LEE CO.: Green River Conservation Area, 5133. MARSHALL CO.: Henry, 5074. OGLE CO.: Castle Rock, 5057. Common on trees in dry places.
- Parmelia caperata* (L.) Ach. JO DAVIESS CO.: Apple River Canyon State Park, 5127. LA SALLE CO.: Starved Rock State Park, 5192. LEE CO.: Green River Conservation Area, 5131. OGLE CO.: Castle Rock, 5073. STEPHENSON CO.: Ridott, 5150. Common on sandstone and on trees throughout the state.
- **Parmelia dierythra* Hale. OGLE CO.: Castle Rock, 5067. On horizontal sandstone in full sun.
- **Parmelia hypoleucites* Nyl. OGLE CO.: White Pines Forest State Park, 5138. On *Fraxinus*; also found on sandstone in southern Illinois.
- Parmelia rudecta* Ach. FAYETTE CO.: Ramsey Lake State Park, 5174. JO DAVIESS CO.: Apple River Canyon State Park, 5041. FULTON CO.: 6 mi. W of Havana, 5022. LA SALLE CO.: Starved Rock State Park, 5186. LEE CO.: Green River Conservation Area, 5132. MASON CO.: Chautauqua National Wildlife Refuge, 5035. OGLE CO.: White Pines Forest State Park, 5103. WINNEBAGO CO.: 3 mi. N of Pecatonica, 5002. Very common on trees and sometimes rocks throughout Illinois.
- **Parmelia subrudecta* Nyl. MASON CO.: Chautauqua National Wildlife Refuge, 5204. OGLE CO.: Castle Rock, 5072. Found on oaks in dry woods.
- Parmelia sulcata* Tayl. LEE CO.: Green River Conservation Area, 5130. STEPHENSON CO.: Lake Le-Aqua-Na State Park, 5049. On *Quercus* and *Juglans*.
- Peltigera canina* (L.) Willd. FAYETTE CO.: Ramsey Lake State Park, 5177. LA SALLE CO.: Starved Rock State Park, 5147. A typical species of soil in dry, hilly woods.
- Physcia aiopolia* (Ehrh.) Hampe. CARROLL CO.: Mt. Carroll, 5075. JO DAVIESS CO.: Stockton, 5112. LA SALLE CO.: Starved Rock State Park, 5170. OGLE CO.: White Pines Forest State Park, 5124; Adeline, 5135; Castle Rock, 5091. WINNEBAGO CO.: 3 mi. N of Pecatonica, 5001 (*f. cercida* (Ach.) Mig.). Found on various trees, usually soft-barked species, in open places. The specimens from northern Illinois are more

- robust than those from southern Illinois.
- Physcia ciliata* (Hoffm.) DR. CALHOUN CO.: Kampsville, 5203. JO DAVIESS CO.: Apple River Canyon State Park, 5008. On *Populus* in open places.
- **Physcia elaeina* (Sm.) A. L. Sm. STEPHENSON CO.: 8 mi. N of Ridott, 5108. Found on *Ulmus* at the edge of a woods.
- Physcia grisea* (Lam.) Zahlbr. JO DAVIESS CO.: Apple River Canyon State Park, 5110. LA SALLE CO.: Starved Rock State Park, 5169. OGLE CO.: White Pines Forest State Park, 5141; Castle Rock, 5092. On *Fraxinus*, *Populus*, and *Quercus alba* in dry woods.
- **Physcia lacinulata* Müll. Arg. JO DAVIESS CO.: Apple River Canyon State Park, 5195. Over moss on mostly shaded limestone. Thomson (1963) cited 5 specimens of *P. lacinulata* distributed in Georgia, North Carolina, and Wisconsin. It now appears to be a much more common eastern North American species. McCullough (1964, 1967) cited several specimens from Alabama. Taylor (1967) reported it as widespread in Ohio, and I have found it to be very common on white oaks in southern Illinois. It is, however, apparently absent from the Ozark Mountains (Hale, 1957), from Florida (Moore, 1968), and from Long Island, New York (Brodo, 1968).
- Physcia millegrana* Degel. BUREAU CO.: Kasbeer, 5165; 1 mi. S of Ohio, 5054. CALHOUN CO.: Kampsville, 5095. FAYETTE CO.: Ramsey Lake State Park, 5176. FULTON CO.: 5 mi. W of Havana, 5017. JERSEY CO.: Grafton, 5119. JO DAVIESS CO.: Apple River Canyon State Park, 5042. LA SALLE CO.: Starved Rock State Park, 5188. LEE CO.: Green River Conservation Area, 5134. MARSHALL CO.: Henry, 5075. MASON CO.: Chautauqua National Wildlife Refuge, 5034. OGLE CO.: Castle Rock, 5086. SANGAMON CO.: Springfield, 5310. STEPHENSON CO.: Lena, 5160; Lake Le-Aqua-Na State Park, 5048. WILL CO.: Lorenzo, *Skorepa* & *Vermoch* 5211. WINNEBAGO CO.: 3 mi. N of Pecatonica, 5003. Found on trees and fence posts throughout the state; also common on sandstone in southern Illinois. This is probably the most common lichen in Illinois.
- Physcia orbicularis* (Neck.) Poetsch. JO DAVIESS CO.: Apple River Canyon State Park, 5038. OGLE CO.: White Pines Forest State Park, 5104. STEPHENSON CO.: 8 mi. N of Ridott, 5107. On *Juniperus*, *Quercus*, and *Tilia*.
- Physcia stellaris* (L.) Nyl. BUREAU CO.: 1 mi. S of Ohio, 5052. CALHOUN CO.: Kampsville, 5096. FULTON CO.: 5 mi. W of Havana, 5020. JERSEY CO.: Grafton, 5080. JO DAVIESS CO.: Stockton, 5113. LEE CO.: Green River Conservation Area, 5032. STEPHENSON CO.: Ridott, 5151. WILL CO.: Lorenzo, *Skorepa* & *Vermoch* 5221. Common on trees in open places.
- Physcia syncolla* Tuck. CALHOUN CO.: Kampsville, 5099. JO DAVIESS CO.: Apple River Canyon State Park, 5015. STEPHENSON CO.: Lake Le-Aqua-Na State Park, 5045. WINNEBAGO CO.: 3 mi. N of Pecatonica, 5000. Found on *Juglans* and *Populus* in open places.
- **Physcia tribacoides* Nyl. CALHOUN CO.: Kampsville, 5097. FAYETTE CO.: Ramsey Lake State Park, 5172. JO DAVIESS CO.: Apple River Canyon State Park, 5143. Found on *Populus* and *Quercus*.
- Placynthium nigrum* (Huds.) S. Gray. CALHOUN CO.: 5 mi. S of Hardin, 5064. JERSEY CO.: Grafton, 5083. On limestone.
- Pyxine sorediata* (Ach.) Mont. FAYETTE CO.: Ramsey Lake State Park, 5191. On *Quercus rubra* in dry woods.
- Rinodina oreina* (Ach.) Mass. OGLE CO.: Castle Rock, 5180. On vertical sandstone in full wind and sun.
- **Sarcogyne simplex* (Dav.) Nyl. OGLE CO.: Castle Rock, 5068. On horizontal sandstone in full sun.
- **Xanthoria fallax* (Hepp) Arn. CALHOUN CO.: Kampsville, 5094. CARROLL CO.: Mt. Carroll, 5078. JO DAVIESS CO.: Stockton, 5111. WINNEBAGO CO.: 3 mi. N of Pecatonica 5006. On roadside trees.

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