

NOTES ON INDIANA GRASSES, 1934

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This is the third contribution of a series of annual reports on Indiana grasses previously unreported for the counties specified. The nomenclature is that of Deam's Indiana Grasses, 1929.

Species prefixed with a star have been reported by Mr. Scott McCoy of Indianapolis.

The writer also gratefully acknowledges the checking of species reported in this paper by Mr. Chas. C. Deam. A specimen of each grass reported was deposited in the Butler University herbarium.

Agropyron repens (L.) Beauvois. JOHNSON COUNTY. Roadside ditch and edge of woods, 3 miles south of Trafalgar.

Agrostis hiemalis (Walter) BSP. BROWN COUNTY. Open oak woods 1 mile south of Bean Blossom, along highway 35. JOHNSON COUNTY. Dry, waste field on high ridge, 3 miles south of Trafalgar. MORGAN COUNTY. Edge of road, 3 miles southwest of Morgantown. SULLIVAN COUNTY.* Roadside near Paxton.

Agrostis perennans (Walter) Tuckerman. BARTHOLOMEW COUNTY. Edge of woods near highway 46, Stony Lonesome, 10 miles west of Columbus.

Agrostis stolonifera var. *major* (Gaudin) Farwell. BROWN COUNTY. Open place along an old road near highway 35, about 1 mile south of Bean Blossom.

Aristida dichotoma Michaux. BARTHOLOMEW COUNTY. Waste places along highway 46, Stony Lonesome, 10 miles west of Columbus. SULLIVAN COUNTY. Open waste field about one-half mile southwest of lake in Shakamak Park.

Aristida oligantha Michaux. BARTHOLOMEW COUNTY. Waste places along highway 46, Stony Lonesome, 10 miles west of Columbus. BROWN COUNTY. Dry clay hills along highway 35, about 1 mile south of Bean Blossom.

Aristida ramosissima Engelman. CLAY COUNTY. Waste places about log cabin in Shakamak Park.

Aristida purpurascens Poiret. KNOX COUNTY. Sandy soil of railway embankment southern edge of Oak Town on highway 41.

Bouteloua curtipendula (Michaux) Torrey. CASS COUNTY. Sandy ridge near Lake Cicott.

Brachyelytrum erectum (Schreber) Beauvois. BROWN COUNTY. Edge of oak woods and country road, 1 mile south of Bean Blossom, half mile east of Whipperwills Nest.

Bromus commutatus Schrader. BARTHOLOMEW COUNTY. Edge of ditch and road near Stony Lonesome, 10 miles west of Columbus. JOHNSON COUNTY. Edge of country road, along ditches, 3 miles south of Trafalgar. SULLIVAN COUNTY. *Low thicket near Paxton.

Bromus japonicus Thunberg. BROWN COUNTY. Along edge of old country road, open place near highway 35, about 1 mile south of Bean Blossom.

Bromus purgans forma *laevivaginat*us Wiegand. BROWN COUNTY. Open place along old road near highway 35 about 1 mile south of Bean Blossom.

Bromus secalinus L. BARTHOLOMEW COUNTY. Along ditch near edge of open woods, Stony Lonesome, about 10 miles west of Columbus.

Calamagrostis canadensis (Michaux) Beauvois. HANCOCK COUNTY. *Low ground half mile east of Maxwell.

Cenchrus pauciflorus Bentham. MARION COUNTY. *Rocky Ripple, near Butler University, Indianapolis. KNOX COUNTY. Sandy waste places at edge of Oak Town.

Cinna arundinacea Linnaeus. MADISON COUNTY. *Along Lick Creek, about 2 miles east of Ingalls.

Dactylis glomerata Linnaeus. JOHNSON COUNTY. Edge of waste place along country road, along ditches, 3 miles south of Trafalgar. MORGAN COUNTY. Edge of road 3 miles southwest of Morgantown.

Danthonia spicata (L.) Beauvois. BARTHOLOMEW COUNTY. Edge of woods, fields at Stony Lonesome, 10 miles west of Columbus. JOHNSON COUNTY. Dry waste field on high clay ridge, 3 miles south of Trafalgar. MORGAN COUNTY. Waste hill with scattered tree vegetation, 3 miles southwest of Morgantown.

Digitaria filiformis (L.) Koeler. SULLIVAN COUNTY. Open waste field, clay soil, about half mile southwest of lake in Shakamak Park.

Digitaria Ischaemum Schreber. BARTHOLOMEW COUNTY. Along side of road, edge of ditch, highway 46, Stony Lonesome, about 10 miles west of Columbus. CRAWFORD COUNTY. Waste places on Marengo Cave grounds.

Echinochloa crusgalli (L.) Beauvois. KNOX COUNTY. Edge of little creek, .7 mile north of Emison along highway 41. MADISON COUNTY. *Low ground along Lick Creek about 2 miles east of Ingalls.

Eleusine indica (L.) Gaertner. CLAY COUNTY. Waste places about log cabin in Shakamak Park.

Elymus canadensis Linnaeus. KNOX COUNTY. Wet sandy bank off the railway embankment, 1 mile west of Sanborn.

Elymus villosus Muhl. BROWN COUNTY. Ditch along field, partly shaded by small trees, 3 miles east of Nashville. MONTGOMERY COUNTY. Along edge of Indian Creek, Pine Hills.

Eragrostis capillaris (L.) Nees. BARTHOLOMEW COUNTY. Along side of road, associated with *Digitaria*, Stony Lonesome, 10 miles west of Columbus. CRAWFORD COUNTY. Lower edge of cliff and flood plain of small stream on Marengo Cave grounds.

Eragrostis Frankii Steudel. CRAWFORD COUNTY. Edge of path leading through Marengo Cave grounds.

Eragrostis pectinacea (Michaux) Nees. MONROE COUNTY. Edge of road half mile west of Mr. Baxter's home, Salt Creek Township.

Festuca elatior Linnaeus. BARTHOLOMEW COUNTY. Edge of ditch and highway 46, Stony Lonesome, 10 miles west of Columbus. MORGAN COUNTY. Edge of ditch along highway 35, 3 miles southwest of Morgantown.

Festuca obtusa Sprengel. JOHNSON COUNTY. Open woods, 3 miles south of Trafalgar.

Festuca ovina Linnaeus. MARION COUNTY. Edge of woods, lawn under a large tree, Sherman Drive and Forty-second Street. Indianapolis, Indiana.

Glyceria striata (Lamarek) Hitchcock. SULLIVAN COUNTY. *Low ground near Paxton.

Hordeum jubatum Linnaeus. MONTGOMERY COUNTY. *Farm near Clark's hill.

Hordeum pusillum Nuttall. SULLIVAN COUNTY. *Roadside near Paxton.

Hystrix patula Moench. BARTHOLOMEW COUNTY. Side of highway 45 and edge of woods 5 miles west of Columbus. BROWN COUNTY. Dry clay bank along highway 35, 2 miles south of Nashville. JOHNSON COUNTY. Ravine in an open woods, 3 miles south of Trafalgar.

Leersia oryzoides (L.) Swartz. CASS COUNTY. Low wet place along the border of Lake Cicott.

Leersia virginica Willdenow. CRAWFORD COUNTY. Low moist soil on the lower part of the Marengo Cave grounds.

Muhlenbergia brachyphylla Bush. MONROE COUNTY. Waste place along roadside ditch, one-half mile west of Mr. Baxter's home, Salt Creek Township, 10 miles southeast of Bloomington.

Muhlenbergia foliosa Trinius. CRAWFORD COUNTY. Low moist places on the lower part of Marengo Cave grounds. SULLIVAN COUNTY. Shady low woods, clay soil, off the southwest corner of the lake in Shakamak Park.

Muhlenbergia glabriflora Scribner. KNOX COUNTY. Moist soil along a ditch bordering railway embankment, 1 mile south of Sandborn.

Muhlenbergia mexicana (L.) Trinius. BARTHOLOMEW COUNTY. Along edge of little stream in wooded area near highway 46, Stony Lonesome, 10 miles west of Columbus. CASS COUNTY. Low wet soil near the shore of Lake Cicott. MORGAN COUNTY. Waste places along road leading into field west of bridge over Sycamore Creek, 2 miles directly south of Centerton.

Muhlenbergia Schreberi Gmelin. BARTHOLOMEW COUNTY. Along edge of little stream in wooded area, Stony Lonesome, 10 miles west of Columbus along highway 46. CRAWFORD COUNTY. Low moist soil near the little creek through Marengo Cave grounds. MORGAN COUNTY. Waste places along road leading into field west of bridge across Sycamore Creek, 2 miles south of Centerton.

Muhlenbergia sobolifera (Muhlenberg) Trinius. BARTHOLOMEW COUNTY. Along edge of little stream in wooded area in Stony Lonesome, 10 miles west of Columbus, along highway 46.

Muhlenbergia tenuiflora (Willdenow) BSP. KNOX COUNTY. Moist and shady upland forest along highway 41, about 3.8 miles south of Emison. MORGAN COUNTY. Beech woods, especially on the lower slopes of ravines, half mile west of bridge over Sycamore Creek, 2 miles south of Centerton.

Muhlenbergia umbrosa Scribner. BARTHOLOMEW COUNTY. Along edge of little stream in wooded area at Stony Lonesome, 10 miles west of Columbus.

Paspalum pubescens Muhlenberg. MORGAN COUNTY. Dry clay hill, waste field, one-half mile west of bridge over Sycamore Creek, 2 miles directly south of Centerton.

Panicum Bicknellii Nash. BROWN COUNTY. Open hillside, dry oak woods at station 21, 1.5 miles south of Bean Blossom along the first country road to left from highway 35.

Panicum capillare Linnaeus. BARTHOLOMEW COUNTY. Waste field edge of woods at Stony Lonesome, 10 miles west of Columbus. CRAWFORD COUNTY. Edge of corn field and little creek west of Marengo Cave on the cave grounds. KNOX COUNTY. Edge of little creek, .7 mile north of Emison, along highway 41. SULLIVAN COUNTY. Roadside along waste field, west of lake in Shakamak Park.

Panicum clandestinum Linnaeus. BARTHOLOMEW COUNTY. Along ditch near the edge of highway 46, Stony Lonesome, 10 miles west of Columbus. JOHNSON COUNTY. Edge of country road, 3 miles south of Trafalgar.

Panicum dichotomum Linnaeus. BARTHOLOMEW COUNTY. In sassafras thickets on dry clay hills, Stony Lonesome, 10 miles west of Columbus. MONTGOMERY COUNTY. Dry uplands, oak woods at Pine Hills.

Panicum dichotomiflorum Michaux. CASS COUNTY. Waste places along upper shore of Lake Cicott. KNOX COUNTY. Edge of little creek, .7 mile north of Emison.

Panicum Gattingeri Nash. BARTHOLOMEW COUNTY. Edge of road and a shallow ditch, Stony Lonesome, 10 miles west of Columbus. CRAWFORD COUNTY. Edge of corn field at the western edge of Marengo Cave grounds. KNOX COUNTY. Along edge of little taxodium swamp, 14 miles southwest of Decker; usually associated with *Panicum capillare*. SULLIVAN COUNTY. Open waste lowland west of lake in Shakamak Park.

Panicum huachucae Ashe. BARTHOLOMEW COUNTY. Edge of woods, fields at Stony Lonesome, 10 miles west of Columbus. BROWN COUNTY. Along old road, open places, near highway 35, about 1 mile south of Bean Blossom. JOHNSON COUNTY. Dry field on ridge top, 3 miles south of Trafalgar. MORGAN COUNTY. Waste field on ridge top with scattered tree vegetation, 3 miles southwest of Morgantown.

Panicum latifolium Linnaeus. BROWN COUNTY. Along old road near first turn in highway 35, south of Bean Blossom. JOHNSON COUNTY. Along hillside road, clay soil, 3 miles south of Trafalgar.

Panicum linearifolium var. *Werneri* (Scribner) Fernald. BARTHOLOMEW COUNTY. Edge of woods, along oak ridges, rocky shallow soil, at Stony Lonesome, 10 miles west of Columbus.

Panicum microcarpon Muhlenberg. BROWN COUNTY. Black-white oak woods at station 1, 3 miles northwest of Nashville, near Gnawbone.

Panicum philadelphicum Bernhardt. CASS COUNTY. Foot of hill near shore of Lake Cicott, just below cottage. CLAY COUNTY. Edge of forest and waste field near log cabin, associated with *Panicum capillare*. MORGAN COUNTY. Dry clay hill, edge of field half mile west of bridge over Sycamore Creek, 2 miles south of Centerton.

Panicum polyanthes Schultes. BARTHOLOMEW COUNTY. In sassafras thicket on dry clay hill at Stony Lonesome, 10 miles west of Columbus. MORGAN COUNTY. Dry clay ridge, waste field, half mile west of bridge over Sycamore Creek, 2 miles south of Centerton.

Panicum Scribnerianum Nash. MORGAN COUNTY. Waste hill with scattered tree vegetation, 3 miles southwest of Morgantown.

Phleum pratense Linnaeus. JOHNSON COUNTY. Edge of country road, 3 miles south of Trafalgar. MORGAN COUNTY. Edge of road, 3 miles southwest of Morgantown.

Poa compressa Linnaeus. BROWN COUNTY. Edge of oak woods near a country road, about 1.5 miles south of Bean Blossom. BARTHOLOMEW COUNTY. Roadside at Stony Lonesome, 10 miles west of Columbus.

Poa pratensis Linnaeus. BROWN COUNTY. Along old road, open place near highway 35, about 1 mile south of Bean Blossom. JOHNSON COUNTY. Lowland woods near a little creek, 3 miles south of Trafalgar. STARKE COUNTY. Railway embankment at the southern edge of San Pierre.

Setaria viridis (L.) Beauvois. KNOX COUNTY. Sandy embankment between railway tracks and highway 41, half mile south of Emison.

Sorghum halepense (L.) Persoon. KNOX COUNTY. Waste place along railway embankment and highway 41, 1.7 miles south of Emison.

Sphenopholis pallens (Sprengel) Scribner. BROWN COUNTY. Open oak woods, 1 mile south of Bean Blossom, near highway 35.

Sporobolus asper (Mx.) Kunth. CASS COUNTY. Sandy embankment along railway track near cottage at Lake Cicott. MARION COUNTY. Waste field south of Butler University, southern edge of campus and path along canal upper rim; Massachusetts Avenue and railway, Indianapolis.

Sporobolus canovirens Nash. CASS COUNTY. Sandy railway embankment near cottage at Lake Cicott.

Sporobolus neglectus Nash. GREENE COUNTY. Low mucky soil near edge of highway 59, 3.4 miles southwest of Linton.

Sporobolus vaginaeflorus (Torrey) Wood. CASS COUNTY. Waste sandy soil on cottage grounds at Lake Cicott. GREENE COUNTY. Waste place along edge of highway 59, 2.5 miles southwest of Linton. KNOX COUNTY. Waste place along railway tracks and road, 2 miles north of Decker. MORGAN COUNTY. Dry clay hill, waste fields, half mile west of bridge over Sycamore Creek, 2 miles south of Centerton.