

## Illinois Liverworts

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In recent years the Liverworts have been an almost forgotten group of plants. In 1878 Wolf and Hall listed 44 species, mostly from Fulton and Menard counties. In 1887 Brendel reported 25 species in his *Flora Peoriana*. During the past 50 years the collections of E. J. Hill around the southern part of Lake Michigan have been almost the only additions.

This paper has been prepared to bring the record up to date and to point out an excellent field for amateur collectors and the opportunity to add to the knowledge of the flora of Illinois.

### MARCHANTIALES

*Conocephalum conicum* Wigg.

*Conocephalus conicus* Dum.

*Fegatella conica* Corda

Cook: Lemont (Hill Herb.)

Champaign: Mahomet (U of I)

Fulton, Menard, Union: (Wolf, Hall List)

Kankakee: Kankakee (Hill Herb.)

LaSalle: Starved Rock (Field Herb.)

Menard: Athens (Field Herb.)

Peoria: (U of I; Brendel List)

St. Clair: Mascoutah (U of I) (Welsch Herb.)

*Asterella tenella* (L.) Beauv.

*Fimbriaria tenella* Nees.

Cook: Sag Bridge (Field Herb.)

Fulton, Menard: (Wolf, Hall List)

Menard: Athens (Field Herb.)

Knox: (Hill Herb.)

Peoria: (Brendel List)

*Fimbriaria elegans* Spreng.

Union: Cobden (U of I)

Duvalia, See Grimaldia

*Grimaldia fragrans* (Balb.) Corda

*Duvalia barbifrons* Bisch.

Carroll: Sevana (Hill Herb.)

Cook: Lemont (Hill Herb., Field Herb.)

Fulton, Menard: (Wolf, Hall List)

Ogle: Oregon (Hill Herb., Field Herb.)

Peoria: (Brendel List)

Rock Island: Port Byron (Field Herb.)

St. Clair: Mascoutah (U of I) (Welsch Herb.)

Will: Joliet (Hill Herb.)

Illinois (Underwood List)

*Grimaldia rupestris* Lind.

Cook: Lemont (Hill Herb., Field Herb.)

*Lunularia cruciata* Dum.

*Lunularia vulgaris*, Mich.

Cook: Greenhouses (Chicago)  
 Champaign: Greenhouse (U of I Campus)  
 Will: Joliet (Hill Herb.)  
 Illinois: (Underwood List)

*Marchantia polymorpha* L

Champaign: Urbana (U of I)  
 Cook: Lake Forest, Calumet (Hill Herb.)  
 DuPage: Glen Ellen (U of I) (Field Herb.)  
 Fulton, Menard (Wolf, Hall List)  
 Henderson: (Field Herb.)  
 Jo Daviess: (U of I)  
 Kankakee: Kankakee (U of I) (Field Herb.)  
 Lake: Lake Villa, Zion City (U of I) (Field Herb.)  
 Macon: Decatur (U of I)  
 Ogle: Oregon (Hill Herb.)  
 Peoria: (Brendel List)  
 Rock Island: Port Byron (Field Herb.)  
 Wabash: (U of I)

*Preissia quadrata* (Scop.) Nees.

*Preissia commutata* Lindb.

Cook: Lake Forest (Hill Herb., Field Herb.)  
 LaSalle: Starved Rock (Hill Herb.)

*Reboulia hemispherica* L.

*Asterella hemispherica* Beauv.

Carrol: Savannah (Hill Herb.)  
 Cook: Lemont, Stony Island (Hill Herb., Field Herb.)  
 Fulton: Canton (Field Herb.)  
 Fulton, Menard, Union: (Wolf, Hall List)  
 Ogle: Oregon (Hill Herb.)  
 Peoria: (Brendel List)  
 Rock Island: Port Byron (Field Herb.)  
 Will: Lockport (Hill Herb.)

*Riccia Beyrichiana* Hampe

*Riccia tescuriana* Aust.

Fulton, Menard: (Wolf, Hall List)  
 Peoria: (Brendel List)  
 Illinois: (Underwood List)

*Riccia bifurcata* Hoffm.

St. Clair: Mascoutah (U of I) (Welsch Herb.)

*Riccia crystallina* L.

*Riccia velutina* Hook.

Cook: Thornton, River Forest, Morgan Park, Thatcher's Park  
 (Hill Herb., Field Herb.)  
 Lake: Lake Zurich (Hill Herb., Field Herb.)  
 Peoria: (U of I) (Brendel List)  
 Stark: Wady Petra (U of I)  
 Illinois: (Underwood List)

*Riccia fluitans* L

*Ricciella fluitans* Baum.

Cook: Forest Hill, Thornton, S. Chicago, Chicago, Stony Island,  
 Blue Island (Hill Herb., Field Herb., U of I)  
 Lake: (U of I) (Field Herb.)  
 Fulton: Canton (Field Herb., Wolf, Hall List)  
 Peoria: (U of I) (Brendel List)  
 Wabash: Mt. Carmel (U of I)

- var. *canaliculata* Hoffm.  
 Cook: Blue Island (Hill Herb.)  
 Fulton: (Wolf, Hall List)
- var. *Sullivanti* Aust.  
 Menard: (Wolf, Hall List)
- Riccia lutescens* Schwein.  
 Champaign: Urbana (Hill Herb.)  
 Fulton, Menard: (Wolf, Hall List)  
 Menard: Athens (Field Herb.)  
 Peoria: (Brendel List) (U of I)  
 St. Clair: Mascoutah (U of I) (Welsh Herb.)  
 Wabash: Mt. Carmel (U of I)
- Riccia Frostii* Aust. (?)  
 Fulton: (Wolf, Hall List)  
 Peoria: (Brendel List)  
 Tazewell: (Field Herb.)  
 Illinois: (Underwood List)
- Riccia glauca* L. (?)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)
- Riccia sorocarpa* Bisch.  
 Fulton, Menard: (Wolf, Hall List)  
 Illinois: (Underwood List)
- Ricciocarpus natans* (L.) Corda
- Riccia natans* L.  
 Cook: Chicago (Field Herb.)  
 Lake: Cuba, Lake Zurich (Hill Herb., Field Herb.)  
 Fulton, Menard: (Wolf, Hall List, Field Herb.)  
 Menard: Athens (Field Herb.)  
 Peoria: (Brendel List)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)  
 Wabash: Mt. Carmel (U of I)  
 Illinois: (Underwood List)

## JUNGERMANNIALES (Anacrogyne)

- Aneura pinguis* (L.) Dum.  
 Fulton: (Wolf, Hall List)
- Aneura sessilis* Spreng.  
 Fulton, Menard: (Wolf, Hall List)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)
- Aneura multifida* (L.) Dum.  
 Fulton: (Wolf, Hall List)  
 Illinois: (Underwood List)
- Aneura latifolia* Lindb.
- Aneura latifrons* Lindb.  
 Menard: (Wolf, Hall List)
- Aneura palmata* Nees.  
 Menard: Athens (Field Herb.)
- Blasia pulsilla* L.  
 Cook: Wildwood (Hill Herb.)
- Pallavicinia Lyellii* (Hook.) Gray  
 LaSalle: Starved Rock (Hill Herb.)
- Pellia epiphylla* (Dill.) Gottsch  
 LaSalle: Starved Rock (Hill Herb.)

## JUNGERMANNIALES (Acrogynae)

*Blepharostoma trichophylla* L.

- Fulton: (Wolf, Hall List)  
 Illinois: (Underwood List)

*Blepharozia*, See *Ptilidium**Calypogea Trichomanis* (L.) Corda

- Menard: (Wolf, Hall List)  
 Illinois: (Underwood List)

*Cephalozia albescens* Dum.

- Illinois: (Underwood List)

*Cephalozia bicuspidata* (L.) Dum.

- Fulton: (U of I) (Wolf, Hall List)  
 Peoria: (Brendel List)  
 Illinois: (Underwood List)

*Cephalozia connivens* (Dicks.) Lindb.*Cephalozia multifida* Lindb.

- Illinois: (Underwood List)

*Cephalozia curvifolia* (Dicks.) Dum.

- Fulton, Menard: (Wolf, Hall List)  
 Peoria: (Brendel List)  
 Illinois: (Underwood List)

*Cephalozia divaricata* Dum.*Jungermannia divaricata* Engl. Bot.

- Cook: Glencoe (Hill Herb.)  
 Fulton: (Wolf, Hall List) (U of I)  
 Menard: Athens (Field Herb.)  
 Peoria: (Brendel List) (U of I)  
 Illinois: (Underwood List)

*Cephalozia Sullivanti* Aust.

- Johnson: (Wolf, Hall List)  
 Menard: Athens (U of I) (Field Herb.)

*Cephalozia divaricata* (Smith) Schiff.

- Cook: Glencoe (Hill Herb.)

*Chiloscyphus ascendens* Corda

- Fulton, Menard: (Wolf, Hall List)  
 Illinois: (Underwood List)

*Chiloscyphus polyanthus* (L.) Corda

- Cook: Lemont (Hill Herb.)  
 Lake: Schields (Hill Herb., Field Herb.)  
 Menard: Athens (Field Herb.)

*Eucalyx hyalina* (Lyell) Bridel*Jungermannia hyalina* Lyell

- Fulton: (Wolf, Hall List)

*Frullania aelotis* Nees.*Frullania riparia* Hampe

- Cook: Sag Bridge (Hill Herb.) (U of I)  
 Fulton, Menard: (Wolf, Hall List)  
 Peoria: (Brendel List)  
 Illinois: (Underwood List)

*Frullania eboracensis* Gottsche

- Cook: Lansing (U of I)  
 Fulton, Menard: (Wolf, Hall List)  
 LaSalle: Deer Park (Hill Herb.) (U of I)  
 Menard: Athens (Field Herb.)

- Peoria: (Brendel List)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)  
 Illinois: (Underwood List)  
*Frullania Grayana* Mont.  
 Menard: (Wolf, Hall List)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)  
*Frullania squarrosa* Nees.  
 S. Illinois: (Wolf, Hall List)  
 Illinois: (Underwood List)  
*Frullania virginica* Gottsche  
 Fulton: (U of I)  
 Fulton, Menard (Wolf, Hall List)  
 Lasalle: Deer Park (Hill Herb.) (U of I)  
 Menard: Athens (Field Herb.)  
 Peoria: (Brendel List)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)  
 Illinois: (Underwood List)  
*Geocalyx graveolus* (Schred.) Nees  
 Will: Deer Creek (U of I)  
*Harpanthus scutatus* (Webb & Mohr) Spruce  
 Johnson, Union: (Wolf, Hall List)  
 Illinois: (Underwood List)  
*Jamsoniella autumnalis* (D. C.) Steph.  
*Jungermannia Schraderi* Mart.  
 Cook: Glencoe (Hill Herb.)  
 Fulton, Menard, Union, Johnson (Wolf, Hall List)  
 Menard: Athens (Field Herb.)  
 Illinois: (Underwood List)  
*Leptoscyphus Taylori* (Hook.) Mitt.  
*Coleochila Taylori* Dum.  
 Fulton: (Wolf, Hall List)  
 Illinois: (Underwood List)  
*Lophocolea bidentata* (L.) Dum.  
 Fulton: (U of I) (Wolf, Hall List)  
 Peoria: (Brendel List) (U of I)  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)  
 Illinois: (Underwood List)  
*Lophocolea Hallii* Aust.  
 Lake: Deer Park (Hill Herb.)  
*Lophocolea heterophylla* (Schrader.) Dum.  
 Cook: Glencoe, Thornton, Glenwood, Lemont (Hill Herb.) (U of I) (Field Herb.)  
 Fulton: (Wolf, Hall List)  
 Menard: (Field Herb.)  
 Peoria: (Brendel List) (U of I)  
 Illinois: (Underwood List)  
*Lophocolea Macouni* Aust.  
 Fulton, Johnson (Wolf, Hall List) (U of I)  
 Illinois: (Underwood List)  
*Lophocolea minor* Nees.  
 Fulton, Menard: (Wolf, Hall List)  
 Illinois: (Underwood List)  
*Plagiochila Ludoviana* Sulli.  
 St. Clair: Mascoutah (U of I) (Welsch Herb.)

*Plagiochila interrupta* Dum.

*Plagiochila macrostoma* Sull.

St. Clair: Mascoutah (U of I) (Welsch Herb.)

*Porella pinnata* Lindb.

*Madotheca porella* Nees.

DuPage: Barrington, Elmhurst (Hill Herb.)

Fulton, Menard: (Wolf, Hall List)

Menard: Athens (Field Herb.)

St. Clair: Mascoutah (U of I) (Welsch Herb.)

Wabash: Mt. Carmel (U of I)

Illinois: (Underwood List)

*Porella platyphylla* Lindb.

*Madotheca platyphylla* (L.) Dum.

DuPage: Barrington, Elmhurst (Hill Herb.)

Marion: (Field Herb.)

Menard: (Field Herb.)

Peoria: (U of I) (Brendel List)

St. Clair: (U of I) (Welsch Herb.)

Will: Lockport, Crete (Hill Herb.) (U of I)

*Porella thuja* Dum.

*Madotheca thuja* (Dicks.) Dum.

Fulton, Menard (Wolf, Hall List)

Illinois: (Underwood List)

*Ptilidium ciliare* (L.) Hampe

*Blepharozia ciliaris* Dum.

Fulton, Menard (Wolf, Hall List)

Peoria: (Brendel List)

Illinois: (Underwood List)

*Radula complanata* (L.) Dum.

Menard: Athens (Field Herb., Wolf, Hall List)

Peoria: (Brendel List)

Illinois: (Underwood List)

*Scapania nemorosa* (L.) Dum.

Johnson: (Wolf, Hall List)

Illinois: (Underwood List)

*Scapania undulata* (L.) Dum.

LaSalle: Starved Rock (Hill Herb.) (U of I)

*Trocholea tomentella* (Ehr.) Dum.

Cook: Glenwood (Hill Herb.) (U of I)

DeKalb: Elgin (Field Herb.)

Peoria: (Brendel List)

Tazewell: (U of I)

#### ANTHOCEROTALES

*Anthoceros laevis* L.

Cook: Glenwood (Hill Herb.)

Fulton, Menard, Union (Wolf, Hall List)

LaSalle: Starved Rock, Utica (Hill Herb.)

Peoria: (Brendel List)

St. Clair: Mascoutah (U of I) (Welsch Herb.)

Stark: (Hill Herb.)

var. *major* Aust.

Fulton: (Wolf, Hall List)

*Anthoceros laciniatus* Schwein.

St. Clair: Mascoutah (U of I) (Welsch Herb.)

*Anthoceros punctatus* L.

Fulton: (Wolf, Hall List)

Menard: Athens (Field Herb.)

Peoria: Princeville (Hill Herb., Field Herb.)

Will: Mokena (Hill Herb., Field Herb.)

Illinois: (Underwood List)

*Notothylas orbicularis* Sulliv.*Notothylas valvata* Sulliv.

Fulton: Canton (Field Herb., Wolf, Hall List)

Peoria: (Brendel List)

Stark: (Hill Herb.)

## SOURCES

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