

CHECKLIST OF THE HOENWORTS AND LIVERWORTS OF ARKANSAS

ANTHOCEROTOPHYTA

ANTHOCEROTOPSIDA

ANTHOCEROTALES

ANTHOCEROTACEAE Dum.

Anthoceros adscendens Lehm. and Lindenb.

Anthoceros ravenei Aust.

Anthoceros punctatus L.

Anthoceros crispulus (Mont.) Douin

Notothylas orbicularis (Schwein.) Sull.

Phaeoceros laevis (L.) Prosk. subsp. *laevis*

Anthoceros laevis L.

Phaeoceros laevis (L.) Prosk. subsp. *carolinianus* (Michx.) Prosk.

Anthoceros carolinianus Michx.

HEPATOPHYTA

JUNGERMANNIOPSIDA

JUNGERMANNIALES

PTILIDIINEAE

TRICHOLEACEAE Nakai

Trichocholea tomentella (Ehrh.) Dum.

LEPIDOZYIINEAE

LEPIDOZYIACEAE Limpr.

Bazzania trilobata (L.) S. Gray

Kurzia sylvatica (Evans) Grolle

Microlepidozia sylvatica (Evans) Joerg.

CALYPOGEJACEAE (K. Mull. S. Arnell)

Calypogeja fissa (L.) Raddi

Calypogeja fissa (L.) Raddi subsp. *neogaea*
Schust.

Calypogeja muelleriana (Schiffn.) K. Mull.

Calypogeja sullivantii Aust.

Calypogeja arguta var. *sullivantii* (Aust.)
Frye and Clark

Calypogeja trichomanis (L.) Corda

CEPHALOZYIACEAE Migula

Cephalozia bicuspidata (L.) Dum.

Cephalozia lunifolia (Dum.) Dum.

Cephalozia media Lindb.

ADELANTHACEAE (Joerg.) Grolle

Odontoschisma prostratum (Sw.) Trev.

Odontoschisma sphagni (Dicks.) Dum.

CEPHALOZYIACEAE Douin

Cephalozia divaricata (Sm.) Schiffn. var.

divaricata
Cephaloziella byssacea (Roth) Warnst. *mom.*
ambiguum

GEOCALYCINEAE

GEOCALYCEAE Klinggr.

Geocalyx graveolans (Schrad.) Nees

LOPHOCOLEACEAE (Joerg.) Vand. Bergh.

Chiloscyphus pallescens (Ehrh. ex Hoffm.)
Dum.

Chi-loscyphus pallescens (Ehrh. ex Hoffm.)

Dum. var. *fragilis* (Roth) K. Mull.

Chiloscyphus polyamthos (L.) Corda

Lophoco lea bidentata (L.) Dum.

Lophocoleci cuspidata (Nees). Limpr. var.
cuspidata

Lophoco lea heterophylla (Schrad.) Dum.

PLAGIOCHILACEAE (Joerg.) K. Mull.

Plagiochila acanthophylla Gott. subsp.

japomica (Sande Lac.) H. Inoue

var. *cihiligera* (Schust.) H. Inoue

Plagiochila ludoviciana Sull.

Plagiochila pore lloides (Torrey ex Nees) Lindenb.

Plagiochila asplemioides (L.) Dum.

Plagiochila undata Sull. subsp. *undata*

JUNGERMANNIINEAE

JUNGERMANNIACEAE

Jamesoniella autumnalis (DC.) Steph.

Jun germammia hyalina Lyell

Plectoco lea hyalina (Lyell) Mitt.

Jungermannia leicinctha Grolle

Jungermannia lanceolata auct. p1. (non *J.*
lanceolata L.)

GYNNOMITRIACEAE Klinggr.

Marsupella sphacelata (Gieseke) Dum.

Marsupella sulhivantii (DeNot) Evans

SCAPANIACEAE Migula

Diplophyllum apiculatum (Evans) Steph.

Diplophyllum apiculatum (Evans) Steph. var.
apiculatum

Scapamia irriguci (Nees) Gott. *et al.*

Scapamia memorosa (L.) Dum.

Scapamia undulata (L.) Dum. var. *undulata*

RADULINEAE

RADULACEAE (Dum.) K. Mull.

Raddula mollis Lindenb. and Gott.

Radula andicola Steph.

Radula oboomica Sull.

PORELLINEAE

PORELLACEAE Cavers, *mom. cons.* *Porella pimata* L. *Porella platyphylla* (L.) Pfeiff.

Porella platyphylloides (Schwein.) Lindb.

Porella platyphylla (L.) Pfeiff. var. *platyphylloideci* (Schwein.) Frye and Clark

JUBULACEAE Klinggr.

Frullania brittoniae Evans

Frullania donnellii Aust.

Frullania eboracensis Gott.

Frullania virginica Gott.

Frullania inflata Gott.

Frullania kunzei Lehin. and Lindenb.

Frullania plana Sull.

Frullania riparia Hampe ex Lehm

Frullania squarrosa (Reinw. et al.) Dum.

Frullania tamarisci (L.) Dum. subsp. *asagrayana*
(Mont.) Hatt.

Frullania asagrayana Mont.

Jubula pennsylvanica (Steph.) Evans

LEUJEUNEACEAE Gas. -Gil., *mom. cons.*

Cololejeunea biddlecomae (Aust.) Evans

Lejeunea lamacerima (Steph.) Schiffn.

Leucolejeunea clypeata (Schwein.) Evans

Archilejeunea clypeata (Schwein.) Schiffn.

Phragmicoma clypeata Sulliv.

Leucolejeunea uncioba (Lindenb.) Evans

Microlejeunea lactevirens (Nees and Mont.) Evans

CODONIINEAE

CODONIACEAE Klinggr.

Fossombronia brasiliensis Steph.

Fossombronia foveolata Lindb.

Fossombronia womdraczekii (Corda) Dum.

Petalophyllum ralfsi (Wils.) Nees and Gott.

Petalophyllum lameillatum (Nees) Lindb.

METZGERIINEAE

PALLAVICINIACEAE Migula

Pallavicinia lyellii (Hook.) Carruth.

PELLIACEAE Klinggr.

Pellia endiviifolia (Dicks.) Dum.

Pellia epiphylla (L.) Corda

Pellia nessiana (Gott.) Limpr.

METZGERIACEAE Klinggr.

Metzgeria conjugata Lindb.

Metzgeria crassipilis Lindb.

Metzgeria furcata (L.) Dum.

ANEURACEAE Klinggr.

Aneura pinguis (L.) Dumb.

Riccardia pinguis (L.) S. Gray
Riccardia latifrons Lindb.
Riccardia multifida (L.) S. Gray
Riccardia palmata (Hedw.) Carruth.
Ameura palmata Nees.

MARCHANTIOPSIDA

SPHAEROCARPIIDAE

SPHAEROCARPALES

SPHAEROCARPACEAE

Sphaerocarpos michelii Bell.
Sphaerocarpos texanus Aust.

MARCHANTIIDAE

MARCHANTIALES

MARCHANTIINEAE

AYTONIACEAE Cavers

Asterella elegans (Spreng.) Trev. subsp.
echinella (Gott.) del Rosario
Asterella echinella (Gott.) Underw.
Asterella tenella (L.) P. Beauv.
Mannia californica (Gott.) Wheeler
Mannia fragrans (Balbis) Frye and Clark
Mannia triandra (Scop.) Grolle
Asterella ludwigii (Schwaegr.) Underw.
Mannia ruprestris (Nees) Frye and Clark
Reboulia hemisphacrica (L.) Raddi
Asterella hemisphenica Beauv.

CONOCEPHALACEAE K. Mull.

Conocephalum conicum (L.) Lindb.
Conocephalus conicus Dum.

LUNULARIACEAE Klinggr.

Lunulania cruciata (L.) Dum.

MARCHANTIACEAE (Bisch.) Endl.

Dumortiera hirsuta (Sw.) Nees
Dumortiera hirsuta (SW.) Nees var. *hirsuta*
Marchantia domingensis Lehm. and Lindenb.
Marchantia polymorpha L.
Preissia quadrata (Scop.) Nees

RICCIINEAE

RICCIACEAE Reichenb.

Riccia austini Steph.
Riccia beyrichiana Hampe ex Lehm.
Riccia campbelliana M.A. Howe
Riccia cavernosa Hoffm.
Riccia crystallina auct. amer. = *cavernosa* Hoffm.
Riccia curtisii (Aust.) James
Riccia dictyospora M.A. Howe

Riccia fluitans L.
Riccia frostii Aust.
Riccia hirta (Aust.) Underw.
Riccia macallisteri M.A. Howe
Riccia membranacei Cott. and Lindenb.
Riccia tenuis Aust.
Riccia ozarkiana McGregor
Riccia sorocarpa Bisch.
Riccia sullivanti- Aust.
Riccia fluitans L. var *sullivantii*- Aust.
Ricciocarpos natans (L.) Corda

Literature cited:

- Branner, J.C., and F.V. Coville. 1891. A list of the plants of Arkansas, Annual Report of the Geological Survey of Arkansas for 1888. Ark. Geol. Surv. 4:155—242. Press Printing Co., Little Rock, Arkansas.
- Coulter, S.M. 1904. An ecological comparison of some typical swamp areas. 15th Ann. Rep. Missouri Bot. Gard. :38—40. St. Louis, Mo.
- Evans, A.W. 1902. The Lejeuneae of the United States and Canada. Memoirs Torrey Bot. Clb. VIII:113—194.
- Evans, A.W. 1903. *Odontoschi-sma macouni-i* and its North American allies. Bot. Gaz. 36:321—348.
- Evans, A.W. 1907. Notes on New England Hepaticae 5. Rhodora 9:56—60; 65—73.
- Evans, A.W. 1917. Notes on New England Hepaticae 14. Rhodora 19:263—272.
- Evans, A.W. 1920. The North American species of *Asterella*. Contr. U.S. Nat. Herb. 20:247—312.
- Evans, A.W. 1923. Family Rebouliaceae and Family Marchantiaceae in North American Flora. Vol. 14, Part 1.
- Evans, A.W., and G. E. Nichols. 1908. The bryophytes of Connecticut. Conn. State Geol. Nat. Hist. Surv. Bull. 11:1—203. Hartford.
- Fulford, Margaret. 1936. Additions to the list of Hepaticae of Kentucky 1. Bryologist 39:119—122.
- Howe, M.A. 1897. The North American species of *Porella*. Bull. Torr. Bot. Club 24:512—528.
- Jacobs, D.L. 1951. Ricciaceae of Arkansas. The Bryologist 54:274—278.
- Kurz, H. and T.M. Little. 1933. Liverworts of north and central Florida. Bull. Florida State College for Women 26:1—41.
- Lesquereux, Leo. 1860. Botanical and paleontological report on the Geological State Survey of Arkansas. Geol. Surv. of Ark. 2:295—399. Philadelphia.
- Lorenz, Annie. 191&. Notes on *Padula obconi-ca* Sull. Bryologist 21:56—59.

- McGregor, Ronald L. 1960. A new species of *Riccia* from the Ozarks. *The Bryologist* 63:30—31.
- Moore, Jewel E. 1965. A study of the vegetation of Petit Jean Mountain in central Arkansas. *Castanea* 30:1—37.
- Moore, Jewel E., and Steve L. Tiimne. 1983. Bryophyte and lichen communities within Hot Springs National Park, Arkansas. In prep. for *Ark. Acad. Sci. Proc.*
- Redfearn, Paul L., Jr. 1964. Bryophytes of Arkansas I. species of “Lost Valley” and adjacent regions. *The Bryologist* 67:196—201.
- Redfearn, Paul L., Jr. 1966. Bryophytes of the Interior Highlands of North America. XI. Additions to the Flora. *The Bryologist* 69:504—508.
- Redfearn, Paul L., Jr. 1968. Bryophytes from the Interior Highlands. XIII. Additions to the Flora. *The Bryologist* 71:356—357.
- Redfearn, Paul L., Jr. 1970. Bryophytes of the Interior Highlands XV. Additions to the Flora. *The Bryologist* 73:716—717.
- Redfearn, Paul L., Jr. 1979. Bryophytes of the Interior Highlands of North America. XVI. Species of the Ozark National Forest, Sylamore Division, and adjacent areas in Stone County, Arkansas. *The Bryologist* 82:483—486.
- Schuster, Rudolf M. 1966. *The Hepaticae and Anthocerotae of North America, east of the hundredth meridian. Vol. 1.* Columbia University Press. New York.
- Stephani, F. 1899. Species Hepaticorum. *Bull. Herb. Boiss.* 7:109.
- Stotler, Raymond, and Barbara Crandall—Stotler. 1977. A checklist of the liverworts and hornworts of North America. *The Bryologist* 80:405—428.
- Underwood, L.M. 1895. Notes on our Hepaticae III. The distribution of North American Marchantiaceae. *Bot. Gaz.* 20:59—71.
- Wittlake, Eugene B. 1950A. Preliminary report on the Arkansas bryophytes. *Ark. Acad. Sci. Proc.* 3:35—37.
- Wittlake, Eugene B. 1950B. The bryophytes of Spy Rock Hollow. *Ark. Acad. Sci. Proc.* 3:39—40.
- Wittlake, Eugene B. 1951. A new record for *Petalophyllum lamellatum* (Nees) Lindb. *The Bryologist* 54:76.
- Wittlake, Eugene B. 1954. The Hepaticae of Arkansas I. *The Bryologist* 57:7—18.
- Wittlake, Eugene B. 1972. 1972. Bryophytes of Strawberry River Basin. Appendix C of Environmental Inventory, Strawberry River Basin. Prepared by Ark. State Univ. for U.S. Army Corps District, Corps of Engineers, Little Rock, Ark.

Excluded species

P1cc-ia canaliculata Hoffm. (Wittlake, 1954) is preferred by Wittlake to be identified as the land form of *Riccia fluitans* L.

Source:

1 2

Moore, Jewel E. and Eugene B. Wittlake. 1983. Systematic checklist of the Arkansas Hornworts and Liverworts. Original contribution. University of Central Arkansas, Conway.
²Arkansas State University, State University, Arkansas

This checklist is to be cited as

Moore, Jewel E. and Eugene B. Wittlake. 1983. Checklist of the Hornworts and Liverworts of Arkansas.

Ark. Acad. of Science, Ark. Biota Survey Checklist No. 36. 7pp.