

BRYOPHYTES OF ROCKY BRANCH REGION OF CLARK COUNTY, ILLINOIS

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In the northern part of Clark County there is a small creek called Rocky Branch which joins Big Creek about two miles northeast of the village of Dolson (Clarksville). This stream runs for almost a mile in its lower course through a gorge cut in sandstone. Botanists and zoologists of east central Illinois have long known Rocky Branch to be an interesting place. The author believes, however, that no one has ever made extensive collections of Bryophytes there.

The area explored for this study includes Rocky Branch gorge, some ravines which enter the gorge, and the rocky cliffs on Big Creek near the junction of the two streams. All together the region includes less than one square mile of land. Woods, streams, and moist rocky banks and cliffs furnish a wide variety of habitats where Bryophytes flourish. Collections were made during the late summer and autumn of 1940 and the spring of 1941. Time did not permit a thorough exploration of all the promising parts of this region and it is quite probable that several other species of Bryophytes may be collected there later.

Duplicate samples of this collection have been sent to Dr. Stella M. Hague for the Illinois Collection at the University of Illinois and to Dr. W. C. Steere for the Herbarium of the University of Michigan. Samples of the Hepaticae have been sent to Dr. Margaret Fulford for the Hepatic Herbarium of the Sullivant Moss Society at the University of Cincinnati. The author is greatly indebted to Dr. Steere, Dr. Hague, Dr. Fulford and Dr. A. J. Grout for the assistance given in the identification of the Bryophytes collected.

HEPATICAE

Calypogeiaceae

CALYPOGEIA TRICHOMANIS (L.) Corda

Cephaloziaceae

Cephalozia media Lindb.*

Harpanthaceae

LOPHOCOLEA HETEROPHYLLA (SCHRAD.)
DUMORT.

Jungermanniaceae

PLECTOCOLEA CRENULIFORMIS (AUST.)
MITT.*
PLECTOCOLEA HYALINA (LYELL) MITT.

Plagiochilaceae

Plagiochila asplenioides (L.) Dumort.

Scapaniaceae

SCAPANIA NEMOROSA (L.) Dumort.

Porellaceae

Porella platyphylloidea (Schwein.) Lindb.*

Frullaniaceae

FRULLANIA EBORACENSIS Gottsche

Blasiaceae

BLASIA PUSILLA L.

Marchantiaceae

MARCHANTIA POLYMORPHA L.
CONOCEPHALUM CONICUM (L.) Dumort.

Rebouliaeeae

REBOULIA HEMISPHAERICA (L.) Raddi

Anthocerotaceae

ANTHOCEROS LAEVIS L.

MUSCI

Sphagnaceae

SPHAGNUM SP.

Tetraphidaceae

TETRAPHIS PELLUCIDA Hedw.

Fissidentaceae

FISSIDENS CRISTATUS Wils.
FISSIDENS OSMUNDIODES Hedw.
FISSIDENS SUBBASILARIS Hedw.
FISSIDENS TAXIFOLIUS Hedw.
FISSIDENS VIRIDULUS (Web. & Mohr)
Wahlenb.

Ditrichaceae

- CERATODON PURPUREUS (Hedw.) Brid.
DITRICHUM PALLIDUM (Schreb., Hedw.)
Hampe.

Dicranaceae

- DICRANELLA HETEROMALLA VA. ORTHO-
CARPA (Hedw.)
DICRANELLA VARIA (Hedw.) Schimp.
DICRANUM SCOPARIUM (L.) Hedw.

Leucobryaceae

- LEUCOBRYUM GLAUCUM (Hedw.) Schimp.

Polytrichaceae

- ATRICHUM ANGUSTATUM (Brid.) Bry. Eur.
ATRICHUM UNDULATUM (Hedw.) Beauv.
POGONATUM PENNSILVANICUM (Hedw.)
POLYTRICHUM COMMUNE Hedw.
POLYTRICHUM JUNIPERINUM Hedw.
POLYTRICHUM OHIOENSE Ren. & Card.

Buxbaumiaceae

- DIPHYSCIUM FOLIOSUM (Hedw.) Mohr

Pottiaceae

- BARBULA FALLAX Hedw.
DESMATODON OBTUSIFOLIUS (Schwaegr.)
GYMNOSTOMUM CALCAREUM Nees. &
Hornsch.
WEISIA VIRIDULA Hedw.

Grimmiaceae

- GRIMMIA APOCARPA (L.) Hedw.
HEDWIGIA CILIATA (Ehrh.) Hedw.

Funariaceae

- FUNARIA HYGROMETRICA (L.) Hedw.
PHYSCOMITRIUM TURBINATUM (Mx.) Brid.

Orthotrichaceae

- DRUMMONDIA PROREPENS (Hedw.) Jennings
ORTHOTRICHUM PUMILUM Dicks.

Aulacomniaceae

- AULACOMNIUM HETEROSTICHUM (Hedw.)
Bry. Eur.

Bartramiaceae

- BARTRAMIA POMIFORMIS (L.) Hedw.

Bryaceae

- BRYUM ARGENTUM L.
POHLIA NUTANS (Schreb.) Lindb.
POHLIA WAHLENBERGII (Web. & Mohr.)
RHODOBRYUM ROSEUM (Weis.) Limpr.

Mniaceae

- MNIUM AFFINE Bland.
MNIUM CUSPIDATUM Hedw.
MNIUM PUNCTATUM (L.) Hedw.
MNIUM SPINULOSUM (Br. & Sch.) Bry. Eur.

Hypnaceae

- AMBLYSTEGIUM VARIUM (Hedw.) Lindb.
BRACHYTHECIUM ACUTUM (Mitt.) Sull.
BRACHYTHECIUM OXYCLADON VA. DENTATUM
(Lesq. & James) Grout
BRACHYTHECIUM *plumosum* (Sw.) Br. &
Sch.*
BRACHYTHECIUM RIVULARE Bry. Eur.
BRACHYTHECIUM SALEBROSUM (Hoffm.)
Br. & Sch.
BRYHNSIA GRAMNICOLOR (Brid.) Grout
CALLIERGONELLA SCHREBERI (Willd., Br. &
Sch.) Grout
CAMPYLIUM CHRYSOPHYLLUM
(Brid.) Bryhn
CAMPYLIUM HISPIDULUM (Brid.) Mitt.
CIRRIPHYLLUM BOSCHII (Schwaegr.) Grout.
CLIMACIUM AMERICANUM Brid.
ENTODON CLADORRHIZANS (Hedw.) C. Muell.
ENTODON SEDUCTRIX (Hedw.) C. Muell.
EURINCHIUM SERRULATUM (Hedw.) Kindb.
HOMOMALLIUM ADNATUM (Hedw.) Broth.
HYGROAMBLYSTEGIUM FLUVIATILE (Hedw.)
Loeske

- HYPNUM CURVIFOLIUM Hedw.
PLAGIOTHECIUM DENTICULATUM (L. Hedw.)
Bry. Eur.
PLAGIOTHECIUM GEOPHILUM (Aust.) Grout
PLAGIOTHECIUM *Roseanum* (Hampe) Bry.
Eur.*
PLATYGYRIUM REPENS (Brid.) Bry. Eur.
SEMATOPHYLLUM *carolinianum* (C. Muell)
E. G. Britton*

Leskeaceae

- ANOMODON ATTENUATUS (Hedw.) Huben
ANOMODON MINOR (P. B.) Lindb.
ANOMODON ROSTRATUS (Hedw.) Schimp.
LESKEA POLYCARPA (Hedw.)
THELIA ASPRELLA Sull.
THUIDIUM DELICATULUM (L. Hedw.) Mitt.
THUIDIUM PYGMAEUM Bry. Eur.

Hookeriaceae

- HOOKERIA *acutifolia* (Hook.) Schwaegr.*

Leucodontaceae

- LEUCODON JULACEUS (Hedw.) Sull.

NOTE: The author believes that this is the first time the italicized species have been reported from Illinois. *P. platyphylloidea* has been collected often, but, according to Dr. Steere, has been called *P. platyphylla*. Dr. Hague states that *S. carolinianum* has been collected but not reported. Dr. Steere states that this report on *H. acutifolia* marks a considerable extension of the range of this moss as it has not previously been reported west of Ohio.