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A LIST OF THE MOSSES OF BUFFALO AND KEARNEY COUNTIES, NEBRASKA
HELD IN THE KEARNEY STATE COLLEGE HERBARIUM

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A check list of the mosses of Buffalo and Kearney counties is presented. Most records are new for the counties and two new state records are listed.

† † †

This paper is a summary of moss collections which have been made in Buffalo and Kearney counties during the past several years. The collections have been identified, catalogued, and placed in the Kearney State College (KSC) moss collection, currently housed in the Bruner Hall of Science.

A search of the literature shows that very little bryological work has been reported for Buffalo and Kearney counties. Koch (1971) reported *Astomum muehlenbergianum* (S.W.) Grout in Buffalo County, which is not represented in the KSC herbarium, and Churchill (1977) reported *Orthotrichum pusillum* Mitt. in Buffalo County of which we do have a specimen in the KSC herbarium. Webber (1889, 1891), Wolfe (1924), Reynolds (1942), Smith (1966), and Churchill (1976a, 1976b) have also reported bryophytes from several Nebraska counties.

Buffalo County is in south central Nebraska; it has a land area of 952 square miles with an average elevation of 2,100 feet, an average rainfall of about 24 inches, and it contains the Platte, South Loup, and Wood River drainages. Loess uplands and sandhills are found between the rivers and form an irregular band on either side of the South Loup River.

Kearney County is located just to the south of Buffalo County in the second tier of counties north of the Kansas State line. The area is 516 square miles and the average elevation is about 2,150 feet. The northern county boundary is the Platte River. The northern fifth of the county consists of a broad low-lying valley of Platte River alluvial lands; the

southern four-fifths of the county consists of uplands which are predominantly flat to gently rolling. There are some sandy parts which have a choppy relief.

This study has greatly expanded our knowledge of the mosses of Buffalo and Kearney counties. Twenty-four species in 18 genera have been identified. Collections were made by J. C. W. Bliese (JCWB), M. J. Bundy (MJB), D. R. Friskopp (DRF), J. R. Forney (JRF), D. L. Jenson (DLJ), O. A. Kolstad (OAK), C. E. True (CET), M. C. Williams (MCW), and J. R. Young (JRY).

Amblystegium serpens (Hedw.) B.S.G.

Buffalo County: DRF numbers 1, 5, 10, 12; JRY numbers 101, 102, 114, 137, 140, 149, 151, 200; DLJ numbers 4, 158, 161, 166, 194; JCWB number 181; MJB *s n.*

Kearney County: MCW numbers 98, 184, 186, 187, 189, 198; JRF numbers 102, 125, 130, 132; DLJ numbers 164, 165.

Barbula unguiculata Hedw.

Buffalo County: DRF numbers 7, 9; DLJ number 157.

Kearney County: DLJ number 240.

Brachythecium oxycladon (Brid.) Jaeg. and Sauerb.

Buffalo County: JRY number 43.

Brachythecium salebrosum (Web. and Mohr.) B.S.G.

Buffalo County: DRF numbers 2, 8, 17, 18; JRF numbers 104, 116.

Kearney County: MCW number 183.

Bryum argenteum Hedw.

Buffalo County: JRY number 8.

Kearney County: MCW number 94; JRF number 133.

Bryum caespiticium Hedw.
Buffalo County: DRF numbers 6, 20; MCW number 96;
JRF numbers 111, 117; DLJ numbers
176, 178, 180, 196.
Kearney County: MCW numbers 93, 155; JRF numbers 101,
131, 154; OAK number 175.

Bryum pseudotriquetrum (Hedw.) Gaertn., Meyer and Scherb.
Buffalo County: DRF number 19; MCW number 100,
JRF numbers 148, 150; DJL number 179.
Kearney County: DJL number 201.

Ceratodon purpureus (Hedw.) Brid.
Kearney County: JRF number 141.

Drepanocladus aduncus (Hedw.) Warnst.
Buffalo County: JRY number 21; JRF number 103; DLJ
number 177.

Funaria hygrometrica Hedw.
Buffalo County: JRF numbers 110, 135.
Kearney County: MCW number 95; JRF numbers 128, 129.

Grimmia apocarpa Hedw.
Buffalo County: 3½ mi. S and 1 mi. W Gibbon on Cotton-
wood bark, JRF number 124.

Leptobryum pyriforme (Hedw.) Wils.
Buffalo County: JRF number 139.

Leptodictyum riparium (Hedw.) Warnst.
Buffalo County: DRF numbers 11, 46, 47, 48; JRY num-
bers 35, 38, 41; MCW numbers 91, 202;
JRF numbers 109, 143, 146, 147; DLJ
numbers 160, 166, 197; CET s n.

Leskea gracilescens Hedw.
Buffalo County: JRY numbers 20, 24, 30, 32, 36, 39; JRF
numbers 112, 113, 115, 142, 144, 145,
153; MCW number 190; DLJ number 193.
Kearney County: JRF number 141.

Mnium cuspidatum Hedw.
Buffalo County: JRF number 122.
Kearney County: JRF number 126; MCW number 185.

Orthotrichum pusillum Mitt. (reported by Churchill, 1977, in
Buffalo County)
Buffalo County: JRY number 31.

Physcomitrium pyriforme (Hedw.) Hampe
Buffalo County: DRF numbers 14, 15, 16, 17, 18, 19, 44;
JRY number 42.
Kearney County: MCW number 182.

Platydictya confervoides (Brid.) Crum
Buffalo County: 3½ mi. S and 1 mi. W of Gibbon on shade
soil, JRF number 123.

Platygyrium repens (Brid.) B.S.G.
Buffalo County: JRF number 152; MCW number 191.

Pohlia nutans (Hedw.) Lindb.
Buffalo County: JRF numbers 105, 138; DLJ number 2.

Rhynchostegium serrulatum (Hedw.) Jaeg. and Sauerb.
Buffalo County: JRY number 29.

Tortula ruralis (Hedw.) Gaertn., Meyer and Scherb.
Buffalo County: MCW number 203.
Kearney County: JRF number 127.

SUMMARY

Two species are new collections for the State of Nebraska: *Grimmia apocarpa* and *Platydictya confervoides*. The genus *Platydictya* is reported from the state for the first time. The museum collection at Kearney State College now contains 24 species in 19 genera of Nebraska mosses.

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