

Notes on Texas Mosses IV.

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During routine identification of mosses at the Missouri Botanical Garden a long neglected group of specimens from Texas caught my eye. Most of these specimens were collected between 1940 and 1950; many at sites that no longer exist in a natural state due to subsequent development. *The Mosses of Texas: a manual of the flora with sketches* by Wm. F. Mahler (1980) was very useful in identifying these specimens. This work contains keys and short descriptions of the state's moss flora but does not provide county distributions. Several papers on various aspects of Texas bryology have been published since Mahler's flora appeared. These include articles by Lodwick & Snider (1980), Neumann et al. (1983), Redfearn (1981), Reese (1984, 1989, 1990), Wyatt & Stoneburner (1980), Wyatt et al. (1980), Stoneburner & Wyatt (1979), and Worthington (1989).

Two of the collections represent new state records (marked with * in the following list). *Macromitrium richardii* has been collected sporadically in the southeastern United States and along the Gulf Coast to Louisiana; then in Mexico to southern South America and Africa. Its presence in eastern Texas is therefore not unexpected. The species is apparently rare in Texas; the collection may represent the western edge of the southern Louisiana population. Perhaps climate or habitat requirements restrict its expansion into the moist forests of eastern Texas.

Conardia compacta was also not previously reported from Texas flora although this widespread northern species had been reported from localities as near as Missouri, Arizona and Mexico. The collections represent another interesting disjunct species in the mountains of western Texas. The site is not far from where *Venturiella sinensis* grows in Texas.

Several well known or widespread taxa are here reported as new county records; an indication of the need for further collecting in the state. One duplicate of each collection is deposited at MO and SMU.

Atrichum angustatum (Brid.) B.S.G. - TYLER CO. Beech woods west of Woodville on US 190. 22 March 1941. Lundell & Lundell 9734.

Anomodon rostratus (Hedw.) Schimp. - TYLER CO. Pineland west of Woodville on US 190. 22 March 1941. Lundell & Lundell 9733.

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- Barbula unguiculata* Hedw. - JEFFERSON CO. Along railroad near Cheek. 25 March 1942. Lundell & Lundell 10916.
- Brachythecium acuminatum* (Hedw.) Aust. - ANGELINA CO. North of Lufkin off US 59. 11 April 1942. Lundell & Lundell 11098. - HARDIN CO. Wet Palmetto-hardwood forest north of Sour Lake. 16 April 1942. Lundell & Lundell 11216.
- Campylium hispidulum* (Brid.) Mitt. - WOOD CO. In bog Lake Ellis. 24 April 1942. Lundell & Lundell 11330.
- * *Conardia compacta* (C. Müll.) Robinson - CULBERSON CO. On limestone, Victoria Canyon. 20 April 1947. Harvill 2779. - Exposed limestone, plateau above Victoria Canyon. 20 April 1947. Harvill 2775.
- Didymodon tophaceus* (Brid.) Lisa. - TARRANT CO. Wet ledge west of Irving off Pipeline Road. 6 May 1941. Lundell & Lundell 10480.
- Entodon cladorrhizans* (Hedw.) C. Müll. - HARDIN CO. Hardwood swamp north of Sour Lake. 23 March 1942. Lundell & Lundell 10880.
- Fissidens bryoides* Hedw. - ANGELINE CO. Pineland south of Zavalla off US 69. 22 March 1941. Lundell & Lundell 9709B.
- Funaria hygrometrica* Hedw. - BROOKS CO. Low sandy area south of Falfurrias. 19 March 1942. Lundell & Lundell 10812. - DALLAS CO. Fallow field, Carrollton. 3 May 1941. Lundell & Lundell 10436. - JASPER CO. On soil near Evadale. 15 April 1942. Lundell & Lundell 11171. - POLK CO. Roadside off US 190 west of Woodville. 22 March 1941. Lundell & Lundell 9722. - WOOD CO. On bank at Woodvale Lake east of Mineola. 25 April 1942. Lundell & Lundell 11355.
- Funaria calvescens* Schwaegr. - BLANCO CO. On soil off US 290 west of Henly. 20 April 1941. Lundell & Lundell 10276.
- Gymnostomum recurvirostrum* Hedw. - TRAVIS CO. Wet limestone rock, caves on Pedernales River west of Austin. 28 May 1953. Whitehouse 26960.
- Haplocladium microphyllum* (Hedw.) Broth. - ANGELINE CO. Pineland off US 69 south of Zavalla. 22 March 1941. Lundell & Lundell 9707.
- Leskea gracilescens* Hedw. - CROCKETT CO. Near Mixon. 15 February 1954. G. Krueger s.n.
- Leucobryum albidum* (Brid.) Lindb. - NACOGDOCHES CO. Pine-hardwood forest south of Nacogdoches. 10 April 1942. Lundell & Lundell 11081.
- Leucodon julaceus* (Hedw.) Sull. - TYLER CO. Beech woods off US 190 west of Woodville. 22 March 1941. Lundell & Lundell 9736.
- * *Macromitrium richardii* Schwaegr. - HARDIN CO. Wet palmetto-hardwood forest north of Sour Lake. With Schlotheimia rugifolia and Leucodon julaceus. 16 April 1942. Lundell & Lundell 11223E.
- Phascum cuspidatum* Hedw. - GRAYSON CO. Hagerman Wildlife Refuge west of Pottsboro. 28 February 1954. Whitehouse 27932.
- Physcomitrium pyriforme* (Hedw.) Hampe - DALLAS CO. Wet depression in prairie,

- north end of White Rock Lake. 25 March 1941. Lundell & Lundell 9770. - WOOD CO. In bog at Lake Ellis. 24 April 1942. Lundell & Lundell 11331. *Pleurochaete squarrosa* (Brid.) Lindb. - TRAVIS CO. On soil of cedar brakes near Beecanes west of Austin. 21 April 1941. Lundell & Lundell 10294. *Thelia lescurii* Sull. - FALLS CO. Off highway 14 north of Bremond. 28 March 1941. Lundell & Lundell 10100. *Tortella humilis* (Hedw.) Jenn. - NACOGDOCHES CO. Along brook off US 59 south of Nacogdoches. 22 March 1941. Lundell & Lundell 9754. *Weissia controversa* Hedw. - DENTON CO. In woodland off US 77 near Lewisville. 3 May 1941. Lundell & Lundell 10433B. - NACOGDOCHES CO. In pineland off US 59 south of Nacogdoches. 22 March 1941. Lundell & Lundell 9748.

Literature Cited

- Lodwick, L. N. & J. A. Snider. 1980. The distribution of *Sphagnum* taxa in Texas. *The Bryologist* 83: 214-218.
- Mahler, W. F. 1980. *The Mosses of Texas: a manual of the flora with sketches*. SMU Herbarium 1-147.
- Neumann, A. J., A. E. Rushing, E. Bazan & D. M. J. Mueller. 1983. Bryophytes of Huntsville State Park, Texas. *Southwestern Naturalist* 28: 239-242.
- Redfearn, P. L., Jr. 1981. New moss (Bryidae) records for Texas. *The Bryologist* 84: 420-422.
- Reese, W. D. 1984. *Mosses of the Gulf South from the Rio Grande to the Apalachicola* xvi + 252 pp. 58 fig. 2 tab. Louisiana State University Press, Baton Rouge & London.
- Reese, W. D. 1989. *Scopelophila cataractae* in Texas. *The Bryologist* 92: 413.
- Reese, W. D. 1990. A third record for *Tortella flavovirens* on the northern Gulf coast. *Evansia* 7: 60.
- Stoneburner, A. & R. Wyatt. 1979. Three Big Thicket bryophytes new to Texas. *The Bryologist* 82: 491-493.
- Worthington, R. D. 1989. An annotated checklist of the native and naturalized flora of El Paso County, Texas. *El Paso Southwest Botanical Miscellany* 1: 1-56.
- Wyatt, R. & A. Stoneburner. 1980. Distribution and phenetic affinities of *Donrichardsia*, an endemic moss from the Edwards Plateau of Texas. *The Bryologist* 83: 512-520.
- Wyatt, R., D. M. Lane & A. Stoneburner. 1980. Additions to the *Sphagnum* flora of Texas. *The Bryologist* 83: 247-249.



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