

NORTH AMERICAN COLLECTIONS OF
LEPUROPETALON SPATHULATUM (SAXIFRAGACEAE) ¹

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ABSTRACT: Label data are provided for 381 specimens of Lepuropetalon spathulatum (Saxifragaceae) held by the herbaria of 30 North American institutions.

Lepuropetalon spathulatum (Muhl.) Ell. is a diminutive, morphologically isolated member of the loose aggregation of flowering plants known as the Saxifragaceae. Its minute size -- mature plants being readily covered with a small coin -- and its prothervernal season of flowering have left it little known even among active field botanists. Misrepresentations of its floral structure (Small 1933; Rickett 1967), in which the sepals and petals are incorrectly figured or described as varying in size, have given it an even greater image of aberrancy.

The known range of Lepuropetalon extends through the southeastern United States, from North Carolina to eastern Texas and along the Gulf Coast into Mexico, with apparently isolated stations in central Chile and in Uruguay (Spongberg 1972). Its recent discovery in central panhandle Florida, a state in which the plant had not previously been reported, has led the writer, in collaboration with Angus K. Gholson, Chattahoochee, Florida, to compile an inventory of label data from all collections found in the major North American and significant regional institutional herbaria. These data have been employed in the preparation of a map of Lepuropetalon in the Southeast and in a discussion of the history of discovery of the species and its Florida habitat that has been presented elsewhere (Ward & Gholson 1987).

The purpose of the present offering is to encourage further investigation of the distributional biology of Lepuropetalon by placing on record full documentation of the data obtained of the 381 known specimens representing 270 collections found in the 30 cooperating herbaria. These data include the collector, his collection number, date of collection, and information as to habitat,

¹ This paper is Florida Agricultural Experiment Station Journal Series No. 8122.

associated species, and location, as well as a record of the institutions now holding the collection or its duplicates (Stafleu 1981).

The cooperation of several curators in providing the author with xerox or other facsimile copies of original labels has permitted the determination of collectors or origin of certain early specimens by matching the handwriting or other data from one label with that of specimens in other herbaria whose labels were incomplete. In most cases this additional information has been provided in the listing of specimens.

The author is grateful to Anita F. Cholewa, Florence Montgomery Givens, Patricia K. Holmgren, Nancy R. Morin, Alfred E. Schuyler, Stephen A. Spongberg, R. Dale Thomas, and those other persons who provided him with data regarding the specimens of Lepuropetalon in their custody, and to Angus K. Gholson and Robert K. Godfrey for their companionship and sharp eyes while in the field.

LIST OF SPECIMENS:

ALABAMA:

Baldwin Co.

R. D. Thomas #37735	2 Feb 1974	NLU, TENN
"Cemetery and church yard of Mt. Aid Baptist Church, US 90, e. of jct. with US 98."		

Choctaw Co.

R. D. Thomas #33887	28 Feb 1973	NLU
"Concord Baptist Church yard, beside Ala. 10, 3 mi. s. of Mississippi, nw. of Pushmataha."		
F. M. Givens #1723	12 Apr 1980	LSU
"Wet roadside, with <i>Ophioglossum crotalophoroides</i> , about 3.8 mi. n. of Toxey."		

Lee Co.

S. B. Jones s.n.	14 Apr 1960	GH
"Sandy soil under pines and sweetgums, pasture, Smith's Station, 6 mi. n. of Phenix City."		

Marengo Co.

R. D. Thomas #33892	28 Feb 1973	NLU
"Nanafalia Baptist Church cemetery, beside Ala. 10, Nanafalia."		
F. M. Givens s.n.	11 Apr 1980	LSU
"Roadside, hwy. 10, about 8.7 mi. w. of the Choctaw Co. line."		
F. M. Givens #1737	12 Apr 1980	LSU
"Flat roadside, on crest of hill, with <i>Botrychium lunarioides</i> , s. side of hwy."		

10, about 2.9 mi. e. of Dixon's Mill."

Mobile Co.

C. Mohr s.n. 4 Apr 1879 UNA

"Exposed grassy banks, loose sandy soil.
Mobile."

C. E. Faxon s.n. 10 Mar 1883 GH

"Mobile."

C. Mohr s.n. Apr 1887 US

"Grassy banks, Mobile."

[C. Mohr s.n.] 17 Mar 1896 MO

"Damp grassy banks, Mobile." [in same
hand as C.M. 1887, above]

C. F. Baker s.n. 17 Mar 1897 MO, NY

"Citronelle."

K. E. Rogers #7941 8 Apr 1972 NCU, TENN

"With *Ophioglossum crotalophoroides*.
Shady Grove Cemetery, Airport Blvd.,
w. of Mobile."

J. Taylor #12711 25 Mar 1973 NLU, SMU, OKL

"Dry sandy field, s. of radar station,
e. end of Dauphin Id."

R. D. Thomas #62847 30 Mar 1979 NLU

"Sandy wet lawn, beside Battleship
Alabama, s. of Int. 10, Mobile."

Monroe Co.

F. M. Givens #1727 10 Apr 1980 LSU

"In gravelly soil, roadside, on US 84,
about 3.2 mi. to e. side of Alabama River."

Wilcox Co.

F. M. Givens #1723 12 Apr 1980 LSU

"In gravelly sand, Kelly Cemetery."

ARKANSAS:

Ashley Co.

[collector unknown, probably R. D. Thomas] NLU

[mapped by Smith (1978) and based on a
spm. seen at NLU (E. B. Smith, in litt.);
spm. not now available]

Bradley Co.

[collector unknown, probably R. D. Thomas] NLU

[as Ashley Co., above]

Drew Co.

D. M. Moore #72 2 May 1942 UARK

"Low, silty-clay soil, flat open spaces,
at Bradley County line."

R. D. Thomas #17955 11 Apr 1970 GH, MO, NLU,

"With *Geocarpon minimum*. Openings in
pine woods n. of county road, sw.
corner of S18, T13S, R8W."

Cleveland Co.

W. M. Shepherd #190 7 Apr 1984 UARK

"Several plants; with *Schoenolirion*

wrightii, Kingsland Prairie, S9,
T10S, R11W."

Faulkner Co.

F. A. Haas s.n. 9 May 1933 US
"Moist sandstone ledges, along North
Cadron Creek, 17 mi. n. of Conway."

Hempstead Co.

D. M. Moore #159 5 Apr 1953 UARK
"Wet marsh and pasture on slope, 7 mi. w.
of Hope."

R. D. Thomas #27950 24 Mar 1972 NLU, TENN
"Shaver Springs Baptist Cemetery, beside
La. 865, 4 mi. w. of Ark. 4, Shaver Springs."

Little River Co.

R. D. Thomas #27956 24 Mar 1972 NLU, TENN
"Pasture behind Hudson Cemetery, Ashdown."

Miller Co.

R. D. Thomas #34016 17 Mar 1973 NLU
"Cemetery of Shiloh Baptist Church, beside
US 82, 6 mi. e. of Texarkana, S15, T15S,
R27W."

Nevada Co.

B. F. Bush #72 14 Apr 1907 MO
"Common on prairie. Prescott."
R. D. Thomas #27949 24 Mar 1972 NLU
"Whites Chapel Baptist Church, 3.5 mi. e.
of Ark. 53, Bodcaw."

Sevier Co.

R. D. Thomas #28138 26 Mar 1972 NLU
"Country Club golf course, beside US 59,
e. of DeQueen."
R. D. Thomas #28146 26 Mar 1972 NLU
"Coulter Memorial Garden, at US 59, n. edge
of Lockesburg."

Union Co.

R. D. Thomas #27408 6 Feb 1972 NLU
"Strong Cemetery, jct. of Ark. 275 and Ark.
129, 1 mi. e. of Strong."
R. D. Thomas #27923 24 Mar 1972 NLU
"Cemetery of Olive Branch Methodist Church,
0.5 mi. sw. of Ark. 7, se. of El Dorado."
R. D. Thomas #42804 25 Mar 1975 NLU
"Cemetery at church, beside Ark. 175, n.
of Oakland, La., about 100 yds. n. of
Louisiana line."
R. D. Thomas #75139 4 Apr 1981 NLU
"Cemetery of Good Hope Primitive Baptist
Church, just n. of Oakland."

FLORIDA:

Gadsden Co.

D. B. Ward #9963 16 Apr 1985 FLAS

"Lvs. spatulate, alternate; sepals 5, deltoid; no petals; carpels 3; very infrequent; openings among grasses and forbs; seasonally wet calcareous glade, atop Apalachicola Bluffs, 1/3 mi. w. of Brickyard Rd., 1.5 mi. s. of US 90 bridge at Chattahoochee, S5-8, T3N, R6W."

A. K. Gholson #11275 19 Apr 1985 FSU

"Open calcareous soil on slope of limestone glade; s.w. of River Junction, w. of Fla. 269, n.e. corner of S8, T3N, R6W."

D. B. Ward #10017 11 Mar 1986 FLAS, FSU

"Plants yellow-green, 2-8 mm wide; flowers fully symmetrical (contra Small 1933, Rickett 1967); petals deltoid, 1/2 length of sepals, white-translucent, ephemeral; locally frequent (ca 1000 plants); open calcareous glade." [as in Ward #9963, above]

GEORGIA:

Baldwin Co.

F. Montgomery #286 25 Mar 1966 GA

"Pasture, 7 mi. sw. of Milledgeville."

Camden Co.

R. D. Thomas #37891 9 Feb 1974 NLU

"Wet sandy soil in flat pine woods. Road-bank of US 17, 0.25 mi. n. of Florida line."

Chatham Co.

W. R. Faircloth #7497 11 Apr 1974 NCU

"Slough bridge, 1.2 mi. n. of the Ogeechee River bridge, US 17, n. of Richmond Hill."

Coffee Co.

W. R. Faircloth #7211 28 Mar 1973 NCU

"Grassy slope of roadfill, US 441 at Satilla River bridge, 0.7 mi. n. of Atkinson Co. line."

D. Blake s.n. 20 Mar 1984 FLAS

"Patchy; with *Arenaria brevifolia*, *Riccia*, mosses, leafy liverworts; seasonally wet area, sandstone outcrop near Brockton."

Columbia Co.

J. R. Massey #4545 6 Apr 1975 NCU

"Small annual, flowers green; plants infrequent. Heggies Rock (granite outcrop), 2.8 mi. s. on Tubman Rd. and 1.8 mi. e. on unnumbered dirt road, 4 mi. e. of jct. of US 221 and Ga. 104."

Greene Co.

F. Montgomery #106 25 Apr 1965 GA, MICH

"Five sepals, petals white & much smaller. Wet shallow mineral soil over granite, Greensboro outcrop."

F. Montgomery #306 2 Apr 1966 GA

- "Sandy soil in pasture, 2 mi. n. of Siloam."
Hancock Co.
F. Montgomery #113 25 Apr 1965 GA
"Wet shallow mineral soil at granite quarry, 5 mi. e. of Sparta."
F. Montgomery s.n. 25 Apr 1965 GA
"Wet shallow mineral soil over granite, hwy. 15, s. of Sparta."
Oglethorpe Co.
F. Montgomery #103 28 Apr 1965 DUKE, FLAS, IBE, NCSC, NCU, NLU, PH, UNA, VDB
"Five sepals, five much smaller petals. Wet shallow mineral soil over granite outcrop, Echol's Mill, 9.7 mi. ne. of Lexington."
R. E. Weaver #1875 12 Apr 1969 DUKE
"Scattered among plants of Lindernia monticola in wetter areas at edges of vegetation mats. Echol's Mill, a granite flatrock about 2 mi. e. of Point Peter."
Rockdale Co.
H. L. Blomquist #10251 16 Apr 1938 DUKE
"On thin moist soil, edge of stone outcrop. The Rocks, 5 km. n. of Conyers."
J. H. Pyron #2547 16 Apr 1938 GA
"Wet shallow soil on granite outcrop, 3.5 mi. nne. of Conyers."
Walton Co.
F. Montgomery #298 30 Mar 1966 GA
"Moist road on granite outcrop, w. of Monroe."
Washington Co.
F. Montgomery #308 2 Apr 1966 GA
"Pasture, on Ga. 102, 1 mi. n. of Warthen."
[county unknown]
[W. Baldwin s. n.] [1811 - 1817] PH
"(herb Schw) / sub nom / Pyxidanthera / spathulata / Baldw / Geor"
LOUISIANA:
Acadia Pa.
D. E. Ellis #44 13 Apr 1933 LSU
"Old rice field. Crowley."
R. D. Thomas #27563 4 Mar 1972 NLU
"Very wet; cemetery, beside La. 3116, 1/2 mi. s. of St. Landry Parish line, Eunice."
Allen Pa.
J. Parker #531 14 Feb 1972 NLU
"Roadbank of US 165, 6.4 mi. s. of Oakdale."
R. D. Thomas #27571 4 Mar 1972 NLU
"Green Oak Cemetery, 3 mi. s. of Kender, S13, T6S, R5W."

Avoyelles Pa.

C. A. Brown #7520 6 Apr 1939 LSU
 "Marais Pond, Marksville."

Beauregard Pa.

R. D. Thomas #17700 21 Mar 1970 NLU
 "Beauregard Cemetery, beside US 171, DeRidder."
 R. D. Thomas #38134 15 Mar 1974 NLU
 "Cemetery of Smyrna Baptist Church, just
 s. of jct. of La. 399 and La. 122, ne.
 corner of S28, T2S, R4W."

Bienville Pa.

R. D. Thomas #27215 20 Dec 1971 NLU
 "Arcadia Cemetery, beside La. 9, Arcadia."
 R. D. Thomas #22756 13 Apr 1971 NLU
 "Arcadia Cemetery, beside La. 9, Arcadia."
 R. D. Thomas #42584 17 Feb 1975 NLU
 "Lawn of New Hebron Baptist Church, beside
 La. 9, just s. of La. 147, s. edge of
 Arcadia, S19, T18N, R6W."
 R. D. Thomas #43386 21 Apr 1975 NLU
 "Under edge of building of Mt. Olive
 Baptist Church, beside La. 147, at jct.
 with La. 155, S32, T16N, R4W."
 R. D. Thomas #43428 21 Apr 1975 NLU
 "Lawn of St. Paul Baptist Church, beside
 La. 508, just n. of La. 155, 2 mi. s. of
 Liberty Hill, T15N, R5W."
 R. D. Thomas #82864 19 Mar 1983 NLU
 "Cemetery of Mill Creek Methodist Church,
 beside La. 9, n. of Saline, S28, T14N, R6W."

Bossier Pa.

R. D. Thomas #27380 5 Feb 1972 NLU
 "Cemetery s. of US 80, w. of Fillmore,
 S17, T18N, R11W."
 R. D. Thomas #42552 3 Feb 1975 NLU
 "Cemetery of Red River Baptist Church,
 just w. of Linton, S31, T29N, R12W."
 R. D. Thomas #51940 2 May 1977 NLU
 "Plain Dealing Cemetery, beside La. 157,
 n. of Plain Dealing, S2, T22N, R13W."

Caddo Pa.

R. D. Thomas #33821 10 Feb 1973 NLU
 "Cemetery off US 171, s. of Shreveport,
 S32, T16N, R14W."
 R. D. Thomas #34464 8 Apr 1973 NLU
 "Pasture beside La. 525, 4.5 mi. w. of US
 171, S18, T16N, R14W."
 R. D. Thomas #34505 8 Apr 1973 NLU
 "Open area in bottomland woods, beside
 La. 525, 1/2 mi. e. of Grawood, S24-13,
 T16N, R14W."

- R. D. Thomas #34527 8 Apr 1973 NLU
 "Roadbank beside La. 169 and edge of Mt. Zion Cemetery, just n. of Shipp, S34, T19N, R16W."
- R. D. Thomas #43521 24 Apr 1975 NLU
 "Cemetery e. of US 171, at Kiethville, S32, T16N, R14W."
- R. D. Thomas #43527 24 Apr 1975 NLU
 "Cemetery and roadbank of Fluornoy-Lucas Road at jct. with US 171, Shreveport."
- R. D. Thomas #83134 17 Apr 1983 NLU
 "Cemetery on top of hill, jct. of La. 168 and State Line Road just w. of Ida, S10, T23N, R15W."
- Calcasieu Pa.
- R. D. Thomas #27579 4 Mar 1972 NLU
 "Dry hilltop; Perkins Cemetery, 1 mi. se. of DeQuincy, S20, T7S, R10W."
- Caldwell Pa.
- C. A. Brown #7584 8 Apr 1939 LSU
 "Frequent, in small patches over the prairie. Copenhagen Prairie, se. of Columbia."
- R. D. Thomas #17721 23 Mar 1970 NLU
 "Pasture beside Horseshoe Lake, S25, T14N, R3E."
- R. D. Thomas #17943 5 Apr 1970 FLAS, LAF, MO, NCU, NLU, SMU, TENN, VDB
 "Field beside Horseshoe Lake, 8 mi. nnw. of Columbia."
- R. D. Thomas #18102 19 Apr 1970 NLU
 "Old house site beside gravel road, off La. 849, ca. 3/4 mi. e. of Copenhagen, S14, T12S, R4E."
- R. D. Thomas #22540 9 Mar 1971 NLU
 "Pastured area beside Horseshoe Lake, 6 mi. nnw. of Columbia, S23, T14N, R3E."
- R. D. Thomas #22544 9 Mar 1971 NLU
 "Fellowship Baptist Church cemetery, beside La. 846, S17, T14N, R3E."
- B. Good s.n. May 1971 NLU
 "Fellowship Cemetery, beside La. 846, s. of Luna."
- R. D. Thomas #27536 29 Feb 1972 NLU
 "Fellowship Baptist Church cemetery, beside La. 846, s. of Luna, S17, T14N, R3E."
- R. D. Thomas #33942 5 Mar 1973 NLU
 "Palestine Baptist Church cemetery, beside La. 4, w. of Vixen, S33, T15N, R2E."
- P. Marx #377 10 Mar 1973 NLU
 "Pasture in clay, pine hill, 1.5 mi. e. of Copenhagen, S13, T12N, R4E."

- P. Marx #395 16 Mar 1973 NLU
 "Cemetery of Fellowship Baptist Church,
 e. of La. 846, 5.6 mi. s. of Parish line,
 S17, T14N, R3E."
- P. Marx #517 31 Mar 1973 NLU
 "Old Union Baptist Cemetery, 1.5 mi. n.
 of Cotton Plant, S10, T13N, R2E."
- R. D. Thomas 43193 8 Apr 1975 NLU
 "Cemetery and adjoining grassy area of
 Mount Pleasant Baptist Church, n. of La.
 4 at La. 846, S5, T13N, R3E."
- Cameron Pa.
- R. D. Thomas #89211 5 Feb 1982 NLU
 "Lawn of Grand Lake Faith Temple, n. of La.
 384, e. of Boones Corner, S17, T12S, R8W."
- R. D. Thomas #91685 25 Mar 1985 NLU
 "Eastern margin of baseball fields, beside
 Ball Park Road at Dennis Road, 0.3 mi. n.
 of La. 384, e. of Boone's Corner, S7,
 T12S, R7W."
- Catahoula Pa.
- R. D. Thomas #42742 3 Mar 1975 NLU
 "Cemetery of New Pine Hill Church, at
 jct. of La. 914 and La. 913, n. of
 Leland, S37, T10N, R7E."
- Claiborne Pa.
- R. D. Thomas #22519 4 Mar 1971 NLU
 "Cemetery atop a sandy hill, e. of
 Hurricane, S21, T19N, R5W."
- R. D. Thomas #27619 7 Mar 1972 NLU, TENN
 "Macedonia Baptist Church cemetery, e. of
 La. 533 and Hurricane, S21, T19N, R5W."
- R. D. Thomas #51236 14 Mar 1977 NLU
 "Pasture between dirt road and Gee Cemetery,
 e. of La. 518 and Marsalis, S32, T20N, R5W."
- L. G. Lewis #1965 24 Mar 1979 NLU
 "Summerfield Cemetery, behind Summerfield
 High School, S12, T22N, R5W."
- R. D. Thomas #64163 5 May 1979 NLU
 "Macedonia Baptist Church cemetery, e.
 of Hurricane, S21, T19N, R5W."
- R. D. Thomas #70571 10 Apr 1980 NLU
 "Summerfield Cemetery, n. side of La.
 9, Summerfield, S12, T22N, R5W."
- DeSoto Pa.
- R. D. Thomas #27260 11 Jan 1972 NLU
 "Wallace Cemetery, beside La. 177,
 S36, T10N, R11W."
- R. D. Thomas #27696 14 Mar 1972 NLU
 "Wallace Baptist Cemetery, beside La. 177,
 2 mi. s. of La. 346, S36, T10N, R22W."

- D. Dixon #752 10 Mar 1979 NLU
 "Old Pleasant Hill battlefield and cemetery, n. of jct. of La. 177 and La. 175, 13.6 mi. s. of Evelyn, S17, T10N, R11W."
 East Baton Rouge Pa.
- W. R. Griffing s.n. 20 Mar 1915 LSU
 "Murill Springs, Baton Rouge."
 W. R. Griffing s.n. 12 Apr 1915 NY
 "Near Baton Rouge."
- [C. A. Brown s.n.?] spring 1932 LSU
 "Open fields. Plains." [possibly coll. by C.A.B. since typed in his style]
 R. D. Thomas #27807 17 Mar 1972 NLU
 "Moist meadow, beside La. 3113, at jct. with US 61, S31, T4S, R1S."
 East Feliciana Pa.
- [W. M.] Carpenter s.n. [ca 1840] GH
 "Old fields, Feliciana." [W.M.C. moved from E.F.Pa. to New Orleans ca 1841 (Cocks 1914)]
 [W. M. Carpenter s.n.] Feb [ca 1840] MO
 "Jackson." [in same hand as above coll.; W.M.C. was resident of Jackson until ca 1840; from S. B. Buckley herb. to G. Engelman, ca 1841 (S.B.B. in litt., MO; Cocks 1914)]
 R. D. Thomas #27313 24 Jan 1972 NLU
 "Jackson City cemetery, beside La. 10, Jackson."
- Evangeline Pa.
- R. D. Thomas #17714 21 Mar 1970 NLU
 "Beside La. 10, at Beaurer and jct. with La. 106."
 R. D. Thomas #27558 4 Mar 1972 NLU
 "Wet area in pine woods; cemetery beside US 167, 1 mi. s. of Bayou Cocodrie, S8, T1S, R1E."
 R. D. Thomas #62575 8 Mar 1979 NLU
 "Cemetery beside parish road, in Turkey Creek, just w. of US 167, S13, T2S, R1W."
- Grant Pa.
- R. D. Thomas #27280 20 Jan 1972 NLU
 "Big Creek Baptist Church graveyard, nw. of Pollock, S27, T7N, R1W."
- Iberia Pa.
- F. M. Givens #2919 10 Apr 1983 LSU
 "Dirt road, oak-pine woods, along La. 113, off La. 167, about 2.6 mi. s. of Dry Prong."
- Jackson Pa.
- R. Reid #2003 20 Mar 1970 NLU
 "Henson Cemetery, 2 mi. n. of La. 548,

- ca. 5 mi. e. of La. 34, S33, T16N, R1E."
 R. D. Thomas #38283 4 Apr 1974 NLU
 "Cemetery of Mt. Pleasant Methodist Church,
 beside La. 499, 1 mi. s. of Hoods Mill,
 S6, T14N, T1E."
 Jefferson Davis Pa.
 J. W. Thieret #22470 20 Apr 1966 LAF
 "Plants past flowering, forming a rounded
 mound, pale green, dense, to about 1.5 in.
 across. Roadside clay, Int. 10, just n.
 of Elton."
 R. D. Thomas #27568 4 Mar 1972 NLU
 "Wet cemetery in flat pine woods, s. of US
 190, 2 mi. se. of Elton, S2, T7S, R2W."
 K. Cormier #1982 10 Mar 1979 NLU
 "Lawn of Greenwood Cemetery, on La. 97,
 Jennings."
 LaSalle Pa.
 E. R. Barrett s.n. 27 Mar 1970 NLU
 "Old house site, 2 mi. e. of jct. of US
 84 and US 165."
 P. Laird #175 23 Mar 1974 NLU
 "Summerville Baptist Church at Summerville,
 se. 1/4 of S15, T9N, R3E."
 R. D. Thomas #38387 7 Apr 1974 NLU
 "Chickasaw Cemetery, e. of La. 127, 6 mi.
 s. of Olla, S29, T10N, R3E."
 R. D. Thomas #42670 23 Feb 1975 NLU
 "Chalk Hills Cemetery, n. of La. 500, nw.
 of Little Creek, S30, T9N, R2E."
 Lincoln Pa.
 R. D. Thomas #82870 19 Mar 1983 NLU
 "Cemetery of Alabama Baptist Church, beside
 La. 151, n. of Arcadia, on Bienville
 Parish line, S3, T18N, R5W."
 Livingston Pa.
 R. D. Thomas #62506 27 Feb 1979 NLU
 "Springfield Cemetery, beside La. 42 and
 La. 43, Springfield, S13, T7S, R6E."
 Morehouse Pa.
 R. D. Thomas #18319 30 Apr 1970 NLU
 "Gas line, beside La. 590, 2 mi. w. of
 La. 139, S14, T23N, R6E."
 R. D. Thomas #56994 14 Feb 1978 NLU
 "Cemetery of Beekman Methodist Church,
 La. 142 at Beekman, S6, T22N, R6E."
 Natchitoches Pa.
 R. D. Thomas #17619 16 Mar 1970 NLU
 "Pasture, beside La. 9, 2 mi. ne. of
 Campti."
 R. D. Thomas #17637 21 Mar 1970 GH, NCU, NLU

- "Pasture and edge of pine woods, beside La. 9, 2 mi. ne. of Campti."
 R. D. Thomas #38038 14 Mar 1974 NLU
 "Cemetery e. of paved road s. of Goldonna, S31, T12N, R5E."
 R. D. Thomas #38058 15 Mar 1974 NLU
 "Kisatchie Cemetery, beside La. 118, just e. of La. 117, Kisatchie, S15, T5N, R8W."
 Ouachita Pa.
 R. D. Thomas #17725 23 Mar 1970 NLU
 "Mt. Olive Baptist Church cemetery, w. of La. 557, S6, T16N, R3E."
 R. D. Thomas #27659 11 Mar 1972 NLU
 "Carlton Cemetery, beside La. 151, at jct. with La. 837, n. of Carlton, S22, T18N, R1E."
 Rapides Pa.
 R. D. Thomas #57141 29 Mar 1978 NLU
 "Cemetery off US 165, 0.1 mi. n. of La. 3144, Pineville, S36, T5N, R1E."
 Red River Pa.
 R. D. Thomas #27731 14 Mar 1972 NLU
 "Clear Springs Baptist Church cemetery, nw. of Martin and La. 155, S25, T13N, R9W."
 Sabine Pa.
 M. C. Leavenworth s.n. [ca 1837] GH
 [Camp Sabine? (McVaugh 1947)]
 R. D. Thomas #70200 15 Mar 1980 NLU
 "Union Springs Baptist Church cemetery, beside La. 174, 1 mi. s. of DeSoto Parish line, S22, T10N, R14W."
 N. Carroll #2482 21 Mar 1981 NLU
 "In churchyard and cemetery, on La. 1217, 3 mi. n. of Many, S2, T7N, R11W."
 St. Helena Pa.
 C. M. Allen #556 20 Mar 1971 LAF, LSU
 "Small rosette plant with spatulate leaves and small green flowers with minute petals. On bare soil in open field, about 4 mi. ne. of Chipola, S78, T1S, R4E."
 St. Landry Pa.
 R. D. Thomas #27561 4 Mar 1972 NLU
 "St. Augustine grass cover; Mt. Calvary Cemetery, beside US 190, 2 mi. e. of Eunice, S28, T6S, R1E."
 St. Tammany Pa.
 R. D. Thomas #57304 8 Apr 1978 NLU
 "Lawn of headquarters building of Pearl River Game Management area, n. of Int. 10 and e. of La. 1090, S32, T8S, R15E."
 Union Pa.
 R. D. Thomas #17729 24 Mar 1970 NLU

- "Rocky Branch Community Cemetery, beside La. 143."
 R. D. Thomas #17748 24 Mar 1970 NLU, TENN
 "Antioch Cemetery, beside La. 848, 1 mi. n. of La. 2."
 C. Smith #1596 12 Mar 1971 NLU
 "Ward Chapel cemetery, S24, T21N, R1E."
 C. Smith #1627 2 Apr 1971 NLU
 "On power line, 2.5 mi. nne. of Spencer, S25, T21N, R3E."
 R. D. Thomas #27479 13 Feb 1972 NLU
 "Bird Chapel Methodist Church cemetery, e. of La. 549, Truxno, S39, T23N, R1E."
 R. D. Thomas #27916 24 Mar 1972 NLU
 "Canaan Baptist Church cemetery, off La. 558, 2 mi. se. of Lockhart, S10."
 R. D. Thomas #42593 18 Feb 1975 NLU
 "Cemetery beside La. 828, 4 mi. e. of Farmerville, S24, T21N, R1E."
 Vernon Pa.
 R. D. Thomas #17690 21 Mar 1970 NLU
 "Beside US 171, 4.5 mi. n. of Anacoco."
 R. D. Thomas #38121 15 Mar 1974 NLU
 "Cemetery, beside La. 117, 3 mi. n. of Leesville, S36, T3N, R9W."
 Webster Pa.
 R. D. Thomas #27378 5 Feb 1972 NLU
 "Cemetery, beside US 80, 1 mi. w. of Int. 20, 4.5 mi. w. of Dixie Inn, S4, T18N, R10W."
 West Feliciana Pa.
 R. D. Thomas #27310 24 Jan 1972 NLU
 "Dry hill; lawn of Hickory Creek Baptist Church, s. of La. 421, e. of Spillman, S59, 29, or 32, T1S, R1W."
 F. M. Givens #2418 9 Mar 1982 LSU, NLU
 "Dry grassy area behind sand terrace, Thompson Creek at US 61 bridge."
 Winn Pa.
 J. Parker s.n. 9 May 1970 NLU
 "Zion Memorial Cemetery, jct. of La. 472 and La. 1230, 13 mi. se. of Winnfield."
 R. D. Thomas #37988 14 Mar 1974 NLU
 "Cemetery and churchyard of Harmony Grove Baptist Church, beside La. 34, ne. of Gaars Mill, S15, T13N, R2W."
 K. H. Kessler #1060 14 Mar 1981 NLU
 "Gardens of Memories Cemetery, along US 84, e. edge of Winnfield, S21, T11N, R3W."
 K. H. Kessler #1776 16 Apr 1981 NLU
 "Magnolia Cemetery, near LaSalle Parish line, 1 mi. s. of US 84, S26, T10N, R1E."

[parish unknown]

W. M. Carpenter s.n. [ca 1840] PA

"Wet prairies & old fields." [possibly
East Feliciana Pa., home of W.M.C. until
ca 1841 (Cocks 1914)]

[J.] Hale s.n. F

[no data; possibly from East Feliciana
Pa. and coll. by W. M. Carpenter ca 1840
(Cocks 1914)]

J. Hale s. n. PH

[printed address: "Alexandria, Louisiana,"
but perhaps obtained from W. M. Carpenter
(see above)]

[collector uncertain] NY

"Torrey." [Possibly from M. C. Leaven-
worth, Sabine Pa., ca 1837, to J. Torrey.
(McVaugh 1947)]

MISSISSIPPI:

Amite Co.

R. D. Thomas #27467 13 Feb 1972 NLU

"Two plants only. Mt. Olive Baptist Church
cemetery, beside Miss. 570, 1 mi. s. of US
98."

Clarke Co.

K. E. Rogers #7787 28 Feb 1972 NCU

"Sandy loam among low shrubs, scattered,
not frequent. Cemetery, Shubuta."

Forrest Co.

K. E. Rogers #7743 10 Feb 1972 NCU

"Among grasses of moist sandy loam;
abundant but restricted to a rather
small area. Univ. of Miss. golf course."

R. D. Thomas #27456 13 Feb 1972 NLU

"Univ. of Southern Miss. golf course, near
hole 10, Hattiesburg."

K. E. Rogers #7829 28 Feb 1972 NCU, TENN

"Sandy loam, full sun, with low grass
turf; rather abundant. Cemetery,
Glendale Community."

K. E. Rogers #7774 29 Feb 1972 NCU

"Sandy loam, in open areas of low grasses,
scattered throughout. Cemetery, McLaurin."

George Co.

S. McDaniel #10346 10 Mar 1968 FLAS, IBE, VDB

"Fls. green; locally common; grassy edge
of quaking bog, 5.5 mi. s. of Agricola."

R. D. Thomas #43138 28 Mar 1975 NLU

"Rocky Creek Cemetery, 2 mi. n. of US 98,
e. of Lucedale."

Hancock Co.

R. D. Thomas #42907 27 Mar 1975 NLU

"Roadbank of Miss. 43, 1 mi. w. of Kiln."

Harrison Co.

S. M. Tracy s.n.	27 Mar 1892	F
"Biloxi."		
S. M. Tracy s.n.	2 Jun 1892	MISSA
"Biloxi."		
S. M. Tracy #4991	25 Feb 1898	NY
"Biloxi."		

Jones Co.

K. E. Rogers #7789(=#7795)	28 Feb 1972	GH, MO, NCU,
"Dry sandy loam, full sun, among low grasses. Hwy. 84 at Eastview Baptist Church, ca. 2 mi. e. of Laurel."		NY

Lauderdale Co.

R. D. Thomas #33884	28 Feb 1973	NLU
"Carmel Baptist Church cemetery, beside Miss. 19, 0.5 mi. se. of Miss. 496, near Vimville."		

Perry Co.

S. L. Glowenke #10594	2 Apr 1948	GH, PH
"On soil, along hwy. 24, 6 mi. wnw. of New Augusta."		

Pike Co.

R. D. Thomas #27462	13 Feb 1972	NLU
"Lawn of church, 3 mi. w. of Int. 55, Summit."		

Simpson Co.

R. D. Thomas #27431	11 Feb 1972	NLU
"Union Cemetery, beside Miss. 28, Union."		

Walthall Co.

F. M. Givens #1702	8 Apr 1979	LSU
"Among grasses, cemetery, hwy. 27, s. of Tylertown."		

Wayne Co.

K. E. Rogers #7861	28 Feb 1972	NCU
"Cemetery, Pleasant Grove Baptist Church, 0.4 mi. n. of hwy. 84, just e. of Jones Co. line."		

NORTH CAROLINA:

New Hanover Co.

R. B. Channell #2739	29 Mar 1954	DUKE
"Gregarious on road shoulder, about 7 mi. e. of Wilmington, off hwy. 17 on connecting road with hwy. 74 & 76."		

OKLAHOMA:

Atoka Co.

J. Taylor #4810	15 Mar 1968	OKL, SMU
"Overgrazed field on Antlers sand, about 5 mi. ne. of Coleman."		

Bryan Co.

J. Taylor #4803	14 Mar 1968	OKL, SMU, VDB
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"Sandy overgrazed field adjacent to Taylor residence, nw. edge of Durant."

Choctaw Co.

J. Taylor #4863 25 Feb 1968 OKL

"Overgrazed field, Woodbine sand outcrop, 2 mi. w. of Boswell."

R. D. Thomas #28138 25 Mar 1972 NLU

"Mount Olivet Cemetery, East Trice St., Hugo."

Johnston Co.

J. Taylor #4813 16 Mar 1968 OKL, SMU

"Overgrazed field, abundant in one location only. Antlers sand formation. About 3 mi. e. and 1 mi. s. of Fillmore."

Marshall Co.

J. Taylor #4856 30 Mar 1968 OKL, SMU

"Common in only one small location, n. side of recently cut trees, some plants under leaf litter. Overgrazed field on Trinity sand, 2 mi. w. and 4.5 mi. s. of Kingston."

McCurtain Co.

J. Taylor #4886 7 Apr 1968 OKL, SMU

"Infrequent, along drier portion of very seepy roadside ditch, US 70, 2 mi. n. of the Little River."

R. D. Thomas #28130 26 Mar 1972 NLU

"Lawn and cemetery of Hochatown Union Church, beside US 259, just n. of Beaver Bend State Park."

R. D. Thomas #24944 17 Mar 1973 NLU

"Cemetery beside Ok. 3, 2.5 mi. e. of Haworth."

R. D. Thomas #75226 10 Apr 1981 NLU

"Cemetery s. of Ok. 3, 1.5 mi. se. of Haworth, S36, T8S, R25E."

Pushmataha Co.

J. Taylor #4880 6 Apr 1968 OKL, SMU

"Rare, in sandy overgrazed field, about 2.5 mi. e. of Oleta."

SOUTH CAROLINA:

[Aiken Co.?

H. W. Ravenel s.n. [before 1887] GH

[Aiken? H.W.R. was resident of Aiken from 1853 until his death in 1887 (Taxonomic Lit. 4:597)]

Charleston Co.

[B. D.] Greene s.n. NY

"Charleston." [label bears "Dr. Greene" in same hand as "B. D. Greene" (Benjamin Daniel Greene, 1793-1862) on PH label, below]

[collector unknown] GH

"Charleston." [spm. from Boston Soc. Nat. Hist. to GH in 1941; label not in hand of S. Elliott (S. Sponberg, in litt.)]

B. D. Greene s.n. PH
[data uncertain: appears to read "Ch n S C"]

Colleton Co.

R. D. Thomas #37929 10 Feb 1974 NLU
"Lawn of National Guard Armory, US 17A,
e. of Walterboro."

Darlington Co.

M. A. Curtis s.n. Apr 1853 GH, NY
"Soc. [Society] Hill."

Hampton Co.

C. R. Bell #1761 4 Apr 1956 NCU, USF
"Roadside ditch, along S.C. 28, 1.8 mi.
nw. of Yemassee."

Jasper Co.

H. E. Ahles #10312 2 Apr 1956 NCU
"Sandy roadside ditch, on hwy. 92, 7 mi.
se. of US 17, about 10 mi. sse. of
Hardeeville."

S. W. Leonard #1243 6 Apr 1968 FLAS, GA, LAF,
"Roadside ditch, along US 17A, 0.4 MICH, NCU, NO,
mi. s. of County 45." PAC, SMU, TENN,
UNA, VDB

R. D. Thomas #37933 10 Feb 1974 NLU
"Roadbank of US 17, just n. of Coosa-
whatchie River and Coosawhatchie."

R. D. Thomas #48427 3 Mar 1976 NLU
"Roadbank of old US 17, just n. of Coosa-
whatchie River, n. of Coosawhatchie."

Lancaster Co.

N. G. Miller #6789 23 Apr 1972 NCU
"Sparse. Thin wet soil over bedrock, 40
Acre Rock, 1.75 mi. ssw. of Taxahaw."

[county unknown]

J. Backman s.n. PH
[no data; printed address: "Charleston,
S. Carolina."]

M. A. Curtis s.n. NY
[no data; possibly Darlington Co., q.v.]

TEXAS:

Austin Co.

C. Wright #229 [May?] 1849 GH, MO, NY,
"Wet places, western Texas." [data from US
MO spm.; probably Austin Co.
(McKelvey 1955, p. 1059)]

B. C. Tharp s.n. 16 Mar 1946 GH
"Austin Co."

Bastrop Co.

B. C. Tharp s.n. 19 Mar 1920 TEX

"Bastrop."

G. Webster #4009 11 Mar 1944 TEX

"Sandy soil near temporary 'sink'; not abundant."

B. C. Tharp s.n. 10 Mar 1946 TEX

"Compact sand in bottom by Alum Creek, s. of Bastrop State Park."

B. C. Tharp #47029 9 Mar 1947 TEX

"Moist sandy soil."

Bowie Co.

J. Taylor #4843 24 Mar 1968 OKL, SMU

"Only very small plants. Infrequent along roadside, mostly growing under clumps of grass, south-facing slope; US 82, about 1/8 mi. w. of US 259, 1-1/4 mi. w. of DeKalb."

R. D. Thomas #27961 25 Mar 1972 NLU

"Cemetery, e. of Tex. 8 at jct. of US 82, s. of Int. 30, New Boston."

R. D. Thomas #34021 17 Mar 1973 NLU

"Roadbank of Int. 30, at Texas Tourist Office, Texarkana."

R. D. Thomas #34923 17 Mar 1973 NLU

"Cemetery, beside Tex. 8, just n. of Int. 30, New Boston."

Brazoria Co.

[T. Drummond s.n.] [May] 1833 GH, NY

"Rio Brazos." (S. McKelvey 1955, p. 496)

B. F. Bush #462 28 Mar 1900 MO, NY, US

"Common on prairie. Columbia, Brazos River."

R. J. Fleetwood #9998 24 Feb 1971 TEX

"The largest clumps were about the size of a dime. Along the Gulf of Mexico at the mouth of the Bernard River."

Brazos Co.

J. N. Weaver #449 10 Apr 1942 MICH

"In bog."

B. C. Tharp #47121 28 Mar 1947 SMU, TEX

"Moist sandy oak woodland, 7 mi. s. of College Station."

J. R. Massey #784 22 Mar 1965 NCU, SMU

"Flowers inconspicuous in the field; plants appearing as clumps similar to common liverworts or young seedlings; abundant between clumps of little bluestem in prairie; range area, Texas A & M Univ."

J. R. Massey #812 5 Apr 1965 NCU

"Flowers inconspicuous; plants less than 3 cm tall; abundant; sand, ditch, saturated soil, full sun, with spring annuals; Minter Springs, Wellborn."

P. Fryxell #2478 5 Apr 1975 MICH

- "Plants small, light green; damp sandy soil;
disturbed ground in clearing in oak woods;
College Station."
- Cass Co.
R. D. Thomas #75178 10 Apr 1981 NLU
"Douglassville Cemetery, e. of Tex. 8,
just n. of Douglassville."
- Chambers Co.
B. C. Tharp s.n. Apr 1936 TEX
[no data]
- Colorado Co.
E. J. Palmer #4927 12 Mar 1914 F
"Sandy prairie, Eagle Lake."
- Fannin Co.
J. Taylor #4831 23 Mar 1968 OKL, SMU
"Very moist area, sandy soil, overgrazed
field, 2 mi. ne. of Ivanhoe."
- Gonzales Co.
B. C. Tharp #47167 22 Mar 1947 DUKE, GH, LSU
"Wet sand." MICH, MO, NCSC,
NCU, NO, OKL,
PH, TENN, TEX,
US, VDB
- Grayson Co.
J. Taylor #4835 23 Mar 1968 OKL, SMU
"Infrequent in sandy overgrazed field,
along farm rd. 1753, 0.5 mi. s. of jct.
with farm rd. 120, 2.5 mi. e. of Denison."
- Gregg Co.
R. D. Thomas #27510 18 Feb 1972 NLU
"Very common; lawn of Christ Gospel Church,
6 mi. s. of White Oak, jct. of farm road
1252 and Tex. 42."
- Hardin Co.
R. D. Thomas #27588 5 Mar 1972 NLU
"Old Hardin Cemetery, w. of Tex. 326,
1 mi. s. of Kountze."
R. D. Thomas #27591 5 Mar 1972 NLU
"Sandy soil at entrance to Felps Cemetery,
e. of Tex. 105, between Saratoga and Votaw."
- Harris Co.
E. Hall #238 16 Mar 1872 F, GH, MO,
"Wet soil. Houston." NY, US
J. F. Joor s.n. 16 Mar 1876 US
"Wet prairie, Harrisburg."
W. F. Thurrow s.n. 1890 F
"Hockley."
M. S. Young s.n. 26 Feb 1914 TEX
"Woods e. of Waller Cr."
B. C. Tharp s.n. 29 Mar 1947 TEX
"Sandy swampy soil, drained woodland,

near Linndale, n. of Houston."

Harrison Co.

R. D. Thomas #22490 21 Feb 1971 NLU

"Beside Int. 20, 4 mi. w. of Marshall."

Hopkins Co.

R. D. Thomas #27525 20 Feb 1972 NLU

"Ridgeway Cemetery, beside farm road 2653,
at Tex. 11, Ridgeway."

Hunt Co.

R. D. Thomas #27523 20 Feb 1972 NLU

"Abundant; sandy; Brigham Cemetery, beside
Tex. 50, 7 mi. s. of Commerce."

Jasper Co.

E. Whitehouse #22990 24 Mar 1950 SMU

"10 mi. s. of Jasper."

Kaufman Co.

R. McVaugh #7625 22 Mar 1947 GH, MICH, NCSC,
SMU, TEX

"Plants yellow-green; anthers pale yellow.
Blackland prairie pasture, 4 mi. sse. of
Kaufman."

Lamar Co.

J. Taylor #4834 23 Mar 1968 OKL, SMU

"Infrequent, under clumps of grass, sandy
roadside, farm rd. 197, 2 mi. e. of jct.
with farm rd. 79, 4 mi. ne. of Direct."

Lee Co.

R. McVaugh #7632 23 Mar 1947 GH, MICH, SMU,
TEX

"Plants yellow-green. Low wet spot in
pasture, sandy soil, 1.5 mi. n. of
Giddings."

Leon Co.

J. R. Massey #780 21 Mar 1965 NCU, SMU, TEX

"Flowers inconspicuous; plants less than
5 cm tall, appearing as clumps of seed-
lings; saturated soil, near standing water,
roadside ditch, sand; 8 mi. n. of Flynn."

Liberty Co.

R. D. Thomas #27596 5 Mar 1972 NLU

"Stencil Memorial Park cemetery, beside
Tex. 105, e. edge of Cleveland."

Marion Co.

L. H. Shinnars #27707 5 Apr 1959 SMU

"Damp sandy ground near small road bridge,
3 mi. s. of Jefferson."

Mason Co.

J. M. Hawkins #23 4 Apr 1981 NLU

"8 mi. nw. of Mason."

F. M. Givens #2526 9 July 1981 LSU

"Prominent granitic exfoliant domes, n.
side of Tex. 1222, 2.5 mi. w. of Tex.
386, Katemcy."

Milam Co.

- R. McVaugh #7631 23 Mar 1947 GH, MICH, SMU,
 "Plants yellow-green. Moist sandy road-
 side banks, 14 mi. ne. of Milano, 3.5 mi.
 ne. of Gause."

Nacogdoches Co.

- E. Whitehouse #32330 12 Apr 1958 SMU
 "National Forest, 12 mi. s. of Nacogdoches."

Newton Co.

- R. C. Gough s.n. 1 Apr 1980 NLU
 "Near cattle gap on Tex. 642, 1/4 mi. s.
 of Toledo Bend Dam."

Polk Co.

- B. C. Tharp #47208 4 Apr 1947 TEX
 "Old field, about 3 mi. e. of Corrigan."
 R. D. Thomas #27504 16 Feb 1972 NLU
 "Moist sandy soil. Roadbank of farm road
 357, Wakefield Baptist Church, 2.8 mi. w.
 of US 59."

Red River Co.

- J. Taylor #4841 24 Mar 1968 OKL, SMU
 "Common, under bulrush clumps, along very
 wet roadside ditch, 1.5 mi. e. of Woodland."
 R. D. Thomas #27965 24 Mar 1972 NLU
 "Avery Cemetery, hilltop, s. of US 82,
 Avery."
 R. D. Thomas #27977 25 Mar 1972 NLU
 "Wartham Cemetery, beside US 82, 3 mi. e.
 of Annona and Tex. 44."

San Augustine Co.

- R. D. Thomas #27497 16 Feb 1972 NLU
 "Liberty Hill Baptist Church cemetery,
 Tex. 147, 2.3 mi. n. of Tex. 21."

Shelby Co.

- D. S. Correll #36880 24 Mar 1969 GH, TEX
 "Prostrate on wet soil. Pastureland,
 along hwy. 96, 8.5 mi. s. of Tenaha."

Travis Co.

- B. C. Tharp s.n. 1 Apr 1937 GH
 "Wet flat, Country Club golf links, Austin."

Trinity Co.

- L. H. Shinnars #31116 27 Mar 1966 SMU
 "Flowers light green. Sandy loam, road
 shoulder, 10 mi. nw. of Groveton."

Upshur Co.

- R. D. Thomas #27514A 18 Feb 1972 NLU
 "Very dry soil. Chilton Cemetery, n. of
 US 80, Big Sandy."

Van Zandt Co.

- J. R. Crutchfield #2433 31 Mar 1967 TEX
 "Moist sand on bank of stock pond, 2 mi."

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