

Lichens of Eastern North America Exsiccati, Fascicle V, Nos. 201-250.

JAMES C. LENDEMER¹

ABSTRACT. – Data for the fifth fascicle, comprising the nos. 201 to 250, of *Lichens of Eastern North America Exsiccati* is presented. The exsiccata is distributed to ASU, B, BG, CANB, CHR, DOV, FH, GZU, H, HMAS, M, MIN, S, TSB, TNS, TU, UPS, and hb. Lendemer. The new combinations *Fissurina cypressi* (Müll. Arg.) Lendemer and *F. scolecitis* (Tuck.) Lendemer, are proposed.

INTRODUCTION

In conjunction with the preparator's work the lichen mycota of eastern North America he began the distribution of this exsiccata (*Lichens of Eastern North America Exsiccati*) from the Academy of Natural Sciences of Philadelphia (PH). This, the fifth fascicle in the series comprises the nos. 201-250 and is distributed in 20 sets on exchange to the following herbaria: ASU, B, BG, CANB, CHR, DOV, FH, GZU, H, HMAS, M, MIN, S, TSB, TNS, TU, UPS, and hb. Lendemer. Isotypes of the following taxa are included in this fascicle: *Lepraria normandinoides* Lendemer & R.C. Harris, *Opegrapha diffacticola* R.C. Harris & Ladd, and *Xyleborus sporodochifer* R. C. Harris & Ladd.

FASCICLE V

201. *Dimelaena oreina* (Ach.) Norman

Det. James C. Lendemer – May 28, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: State Game Lands no. 38, Hypsy Gap, east of Hypsy Gap Road. – elev. 1900 ft. - UTM 18 463505E 4540553N – Lat. 41° 00' 55"N, Long. 75° 26' 02"W – Rock exposures of glacial till, on south facing slope with *Quercus* and *Betula*. – On large boulder.

James C. Lendemer #4193 & James A. Macklin

May 2, 2005

202. *Physcia pumilior* R.C. Harris

Det. James C. Lendemer – May 28, 2005

UNITED STATES OF AMERICA. NEW JERSEY BURLINGTON COUNTY.: Wharton State Forest, south of Batsto, just west of the shore of the Batsto River and east of the Mullica River. - elev. 0-10 ft. - UTM 18 529932E 4387968N – Lat. 39° 38' 28"N, Long. 74° 39' 04"W - Low, moist, mixed pine (*Pinus rigida*) – oak (*Quercus*) forest with many small depressions, grading into typical dry pine – oak barrens. – On the branches of small shrubs in an open clearing.

James C. Lendemer #4192

April 18, 2005

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203. *Phaeocalicium polyporaenum* (Nyl.) Tibell
Det. James C. Lendemer – May 28, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. LUZERNE COUNTY.: Nescopeck State Park, south of Honey Hole Road, on the lower north facing slopes of Mount Yeager. – elev. ca. 1100 ft. - UTM 18 423855E 4547249N – Lat. 41° 04' 22"N, Long. 75° 54' 23"W – Wet (many small streams and seeps) conifer (hemlock) dominated northern hardwood forest (*Acer*, *Betula*, *Fraxinus*, etc.) with abundant shaded sandstone ledges and exposed rock outcrops. – On a rotting birch (*Betula*).

James C. Lendemer #4194 & James A. Macklin April 20, 2005

204. *Lepraria caesiella* R.C. Harris
Det. James C. Lendemer – May 28, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. LUZERNE COUNTY.: Nescopeck State Park, south of Honey Hole Road, on the lower north facing slopes of Mount Yeager. – elev. ca. 1100 ft. - UTM 18 423855E 4547249N – Lat. 41° 04' 22"N, Long. 75° 54' 23"W – Wet (many small streams and seeps) conifer (hemlock) dominated northern hardwood forest (*Acer*, *Betula*, *Fraxinus*, etc.) with abundant shaded sandstone ledges and exposed rock outcrops. – On the bark of a maple (*Acer*).

James C. Lendemer #4195 & James A. Macklin April 20, 2005

205. *Fissurina cypressi* (Müll. Arg.) Lendemer, *comb. nov.* ^{Endnote 1}
Det. James C. Lendemer – July 14, 2005

UNITED STATES OF AMERICA. NORTH CAROLINA. CARTERET COUNTY.: Croatan National Forest, Pocosin Wilderness, ca. 8 miles west of Newport, just north of Mullis Road (SR #128), Mullis Swamp. - elev. 25-30 ft. - UTM 18 319512E 3849097N – Lat. 34° 46' 05"N, Long. 76° 58' 20"W – Swampy forest dominated by *Nyssa*, *Acer rubrum*, *Magnolia virginiana*, *Ilex*, and *Gordonia*. – On *Nyssa*.

James C. Lendemer #4400 & Erin Tripp December 12, 2005

206. *Fissurina scolecitis* (Tuck.) Lendemer, *comb. nov.* ^{Endnote 2}
Det. James C. Lendemer – July 14, 2005

UNITED STATES OF AMERICA. NORTH CAROLINA. CARTERET COUNTY.: Croatan National Forest, Pocosin Wilderness, ca. 8 miles west of Newport, just north of Mullis Road (SR #128), Mullis Swamp. - elev. 25-30 ft. - UTM 18 319512E 3849097N – Lat. 34° 46' 05"N, Long. 76° 58' 20"W – Swampy forest dominated by *Nyssa*, *Acer rubrum*, *Magnolia virginiana*, *Ilex*, and *Gordonia*. – On *Gordonia* (?).

James C. Lendemer #4399 & Erin Tripp December 12, 2005

207. *Parmotrema mellissii* (C.W. Dodge) Hale
Det. James C. Lendemer – September 5, 2005

UNITED STATES OF AMERICA. NORTH CAROLINA. TRANSYLVANIA COUNTY.: Gorges State Park, along Grassy Ridge Road, Grassy Ridge. – elev. 3150-3200 ft. - UTM 17 322550E 3885682N – Lat. 35° 05' 54"N, Long. 82° 56' 48"W – Mixed oak (*Quercus*) – hickory (*Carya*) forest with *Kalmia latifolia* understory. – On the bark of *Quercus alba*.

James C. Lendemer #4130 & Erin Tripp August 9, 2005

208. *Pseudosagedia cestrensis* (Tuck. ex Michener) R.C. Harris
Det. James C. Lendemer – September 5, 2005

UNITED STATES OF AMERICA. ALABAMA. MARSHALL COUNTY.: Lake Guntersville State Park, peninsula on east shore of Lake Guntersville, ca. 1 mile southwest of Meltonville. – elev. 700-800 ft. - UTM 16 573694E 3810124N – Lat. 34° 25' 48"N, Long. 86° 11' 52"W – Mixed oak (*Quercus*) – pine (*Pinus*) forest on gentle east facing slope, bordering residential developments.

James C. Lendemer #4131

August 13, 2005

209. *Opegrapha* sp.

Det. James C. Lendemer – September 5, 2005

UNITED STATES OF AMERICA. ALABAMA. MARSHALL COUNTY.: Lake Guntersville State Park, peninsula on east shore of Lake Guntersville, ca. 1 mile southwest of Meltonville. – elev. 700-800 ft. - UTM 16 573694E 3810124N – Lat. 34° 25' 48"N, Long. 86° 11' 52"W – Mixed oak (*Quercus*) – pine (*Pinus*) forest on gentle east facing slope, bordering residential developments.

James C. Lendemer #4132

August 13, 2005

210. *Arthonia rubella* (Fée) Nyl.

Det. James C. Lendemer – September 5, 2005

UNITED STATES OF AMERICA. ALABAMA. MARSHALL COUNTY.: Lake Guntersville State Park, peninsula on east shore of Lake Guntersville, ca. 1 mile southwest of Meltonville. – elev. 700-800 ft. - UTM 16 573694E 3810124N – Lat. 34° 25' 48"N, Long. 86° 11' 52"W – Mixed oak (*Quercus*) – pine (*Pinus*) forest on gentle east facing slope, bordering residential developments.

James C. Lendemer #4133

August 13, 2005

211. *Hypotrachyna showmanii* Hale

Det. James C. Lendemer – September 24, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. PIKE COUNTY.: Delaware Water Gap National Recreation Area, Pocono Environmental Education Center, east of access road. – elev. ca. 750 ft. - UTM 18 507598E 4557406N – Lat. 41° 10' 05"N, Long. 74° 54' 34"W. - Upland pine (*Pinus*) - oak (*Quercus*) dominated forest with exposed east facing slopes, small maple (*Acer*) swamp with *Sphagnum* drainage, and shale barrens forested by *Juniperus* and *Pinus*. – Locally abundant on the branches of a stand of hemlocks (*Tsuga canadensis*).

James C. Lendemer #4934

September 16, 2005

212. *Trapelia placodioides* Coppins & P. James

Det. James C. Lendemer – September 24, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: Delaware Water Gap National Recreation Area, ca. 2 miles south of Bushkill, ca. 1 mile southeast of Shoemakers, Community Drive Wetlands. - elev. ca. 700-800 ft. - UTM 18 499427E 4547474N – Lat. 41° 04' 43"N, Long. 75° 00' 24"W. - Drained portions bordered by *Alnus*, and swampy portions primarily with *Acer* and *Fraxinus*, bisected by Hogback Ridge forested with dense hemlocks (*Tsuga*) and large semi-calcareous rock exposures and boulders. – On the remnants of a rock wall on edge of wetland.

James C. Lendemer *et al.* #4935

September 17, 2005

w/ participants of 30th A. Leroy Andrews Foray

213. *Chrysothrix flavovirens* Tønsberg s. lat.
Det. James C. Lendemer – September 24, 2005

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: Delaware Water Gap National Recreation Area, ca. 2 miles south of Bushkill, ca. 1 mile southeast of Shoemakers, Community Drive Wetlands. - elev. ca. 700-800 ft. - UTM 18 499427E 4547474N – Lat. 41° 04' 43"N, Long. 75° 00' 24"W. - Drained portions bordered by *Alnus*, and swampy portions primarily with *Acer* and *Fraxinus*, bisected by Hogback Ridge forested with dense hemlocks (*Tsuga*) and large semi-calcareous rock exposures and boulders. – On the bark of a hemlock (*Tsuga canadensis*) on the shore of a small maple (*Acer*) swamp.

James C. Lendemer *et al.* #4936 September 17, 2005
w/ participants of 30th A. Leroy Andrews Foray

214. *Brigantiaea leucoxantha* (Spreng.) R. Sant. & Hafellner
Det. James C. Lendemer – January 22, 2006

UNITED STATES OF AMERICA. NORTH CAROLINA. TRANSYLVANIA COUNTY.: Gorges State Park, along road between Bearwallow River and Toxaway River. – elev. 1600-1800 ft. – UTM 17 326056E 3883646N - Lat. 35° 04' 50"N, Long. 82° 54' 29"W – Mixed hardwood-coniferous forest (*Liriodendron*, *Acer*, *Tsuga*, *Pinus strobus*, and *Quercus alba*). – On the bark of *Quercus alba*.

James C. Lendemer #5639 & Erin Tripp August 12, 2005

215. *Rhizocarpon grande* (Flörke ex Flot.) Arnold
Det. James C. Lendemer – January 22, 2006

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: Tobyhanna State Park, Kistler Ledge. – elev. 2200-2215 ft. - UTM 18 468696E 4564243N – Lat. 41° 13' 44"N, Long. 75° 22' 25"W – Exposed ridge-top with extensive rock exposures and ledges in full sun, with small shrubs and sparse *Betula*. – On rock ledges.

James C. Lendemer #5660 & James A. Macklin April 21, 2005

216. *Canoparmelia crozalsiana* (de Lesd.) Elix & Hale
Det. James C. Lendemer – March 17, 2007

UNITED STATES OF AMERICA. PENNSYLVANIA. CHESTER COUNTY.: Ker-Feal, 2.4 km south-southeast of Chester Springs, Malvern Quad. – elev. 400-450 ft. - UTM 18 448224E 4436197N – Lat. 40° 04' 28"N, Long. 75° 36' 26"W – Open fields with occasional boulders, mixed hardwood forest (*Quercus*, *Fraxinus*, *Acer*) forest in stream ravine with rock outcrops, and old stone walls around house. – On the bark of a large maple (*Acer*).

James C. Lendemer #8702 & Alfred E. Schuyler March 15, 2007

217. *Lecanora* sp.
Det. James C. Lendemer – May 9, 2006

UNITED STATES OF AMERICA. PENNSYLVANIA. CARBON COUNTY.: Lehigh Water Gap Superfund Site, W-side of Lehigh Gap, above railroad grade, along transect line, SE of Palmerton, Leighton Quad. – elev. 600 ft. - UTM 18 446864E 4515813N – Lat. 40° 47' 30"N, Long. 75° 37' 47"W – Rocky north-facing slope, contaminated by cadmium, lead, and zinc. – On *Quercus*.

James C. Lendemer #6766 & Natalie Howe May 2, 2006

218. *Porpidia albocaerulescens* (Wulfen) Hertel & Knoph
Det. James C. Lendemer – May 9, 2006

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: Delaware Water Gap National Recreation Area, Mount Minsi, ~1 mile south of Delaware Water Gap, west of Delaware River, Stroudsburg Quad. – elev. 800-1200 ft. - UTM 18 488596E 4534700N – Lat. 40° 57' 48"N, Long. 75° 08' 08"W – Mixed hardwood forest (*Fraxinus*, *Acer*, *Quercus*, *Carya*) with *Rhododendron* thickets and sandstone barrens, on north-facing slope. – On shaded sandstone boulders.

James C. Lendemer #6870 & Natalie Howe

May 3, 2006

219. *Rinodina tephrae* (Tuck.) Herre
Det. James C. Lendemer – May 9, 2006

UNITED STATES OF AMERICA. PENNSYLVANIA. MONROE COUNTY.: Delaware Water Gap National Recreation Area, Mount Minsi, ~1 mile south of Delaware Water Gap, west of Delaware River, Stroudsburg Quad. – elev. 800-1200 ft. - UTM 18 488596E 4534700N – Lat. 40° 57' 48"N, Long. 75° 08' 08"W – Mixed hardwood forest (*Fraxinus*, *Acer*, *Quercus*, *Carya*) with *Rhododendron* thickets and sandstone barrens, on north-facing slope. – On shaded sandstone boulder.

James C. Lendemer #6871 & Natalie Howe

May 3, 2006

220. *Lepraria normandinoides* Lendemer & R.C. Harris
Det. James C. Lendemer – May 25, 2006

UNITED STATES OF AMERICA. NORTH CAROLINA. HENDERSON COUNTY.: Pisgah National Forest, North Mills River Recreation Area, along North Mills River Road (Forest Service Road 1206), ca. 7 miles northwest of NC 191, Dunsmore Mountain Quad. – elev. 2300 ft. - UTM 17 351183E 3919191N – Lat. 35° 24' 18"N, Long. 82° 38' 20"W – Hardwood (*Acer*, *Carya*, *Quercus*) – hemlock (*Tsuga*) forest on north-facing slope. – On *Acer*.

James C. Lendemer *et al.* #7110
w/ participants of 2006 Bloomquist Foray

April 30, 2006

221. *Lepraria normandinoides* Lendemer & R.C. Harris
Det. James C. Lendemer – May 25, 2006

ISOTYPE

UNITED STATES OF AMERICA. NORTH CAROLINA. TRANSYLVANIA COUNTY.: Nantahala National Forest, Shower Falls, along Cold Mountain Road, south slope of Panthertail Mountain, Lake Toxaway Quad. – elev. 3500 ft. - UTM 17 320217E 3892509N – Lat. 35° 09' 34"N, Long. 82° 58' 26"W – Small roadside waterfall over gneiss. – On gneiss overhang.

James C. Lendemer *et al.* #7001
w/ participants of 2006 Bloomquist Foray

April 29, 2006

222. *Cladonia verticillata* (Hoffm.) Schaer.
Det. James C. Lendemer – May 25, 2006

UNITED STATES OF AMERICA. NORTH CAROLINA. JACKSON COUNTY.: Nantahala National Forest, Panthertown Valley, Blue Ridge between Cold Mountain Gap and Panthertown Creek, Big Ridge Quad. – elev. 3800-4000 ft. - UTM 17 316798E 3891812N – Lat. 35° 09' 09"N, Long. 83° 00' 41"W – Mixed hardwood forest (*Acer*, *Quercus*, *Carya*, *Juglans*, *Nyssa*) on north-west facing slope, with several small streams/seeps. – On organic matter in open area under powerline.

James C. Lendemer *et al.* #6994
w/ participants of 2006 Bloomquist Foray

April 29, 2006

223. *Lobaria pulmonaria* (L.) Hoffm.
Det. James C. Lendemer – May 25, 2006

UNITED STATES OF AMERICA. NORTH CAROLINA. JACKSON COUNTY.: Nantahala National Forest, Panthertown Valley, Blue Ridge between Cold Mountain Gap and Panthertown Creek, Big Ridge Quad. – elev. 3800-4000 ft. - UTM 17 316798E 3891812N – Lat. 35° 09' 09"N, Long. 83° 00' 41"W – Mixed hardwood forest (*Acer*, *Quercus*, *Carya*, *Juglans*, *Nyssa*) on north-west facing slope, with several small streams/seeps. – On *Quercus*.

James C. Lendemer *et al.* #6995 April 29, 2006
w/ participants of 2006 Bloomquist Foray

224. *Parmeliella appalachensis* P.M. Jørg. s. lat.
Det. James C. Lendemer – May 25, 2006

UNITED STATES OF AMERICA. NORTH CAROLINA. MACON COUNTY.: Highlands, Ravenel Park, trail to Sunset Rock, Highlands Quad. – elev. ca. 4000 ft. - UTM 17 300358E 3880440N – Lat. 35° 02' 49"N, Long. 83° 11' 20"W – *Rhododendron*-hemlock-hardwood forest with gneissic exposures. – On *Quercus*.

James C. Lendemer *et al.* #7066 April 30, 2006
w/ participants of 2006 Bloomquist Foray

225. *Cladonia robbinsii* A. Evans
Det. James C. Lendemer – May 29, 2006

UNITED STATES OF AMERICA. MISSOURI. GASCONADE COUNTY.: Canaan Conservation Area, vicinity of parking area at end of Bock Road (CR 434) / Boettcher Road (CR 435), 2 miles east of State Road A, ca. 3 miles north of Bland, Owensville West Quad. – elev. 800 ft. - UTM 15 623448E 4244052N– Lat. 38° 20' 10"N, Long. 91° 35' 15"W– Hardwood-juniper forest along Sulphur Branch with sandstone outcrops and mud barren. – On soil and organic matter in barren.

James C. Lendemer *et al.* #6071 March 25, 2006
w/ William R. Buck & Richard C. Harris

226. *Lepraria normandinoides* Lendemer & R.C. Harris
Det. James C. Lendemer – May 29, 2006

UNITED STATES OF AMERICA. MISSOURI. LAWRENCE COUNTY.: Fall Hollow Gorge along small tributary of Goose Creek, ~0.3 miles west of Highway O, ~0.5 miles north of Highway #174, Halltown Quad. – elev. 1250 ft. - UTM 15 443248E 4109084N – Lat. 37° 07' 35"N, Long. 93° 38' 20"W – Pennsylvanian channel sandstone ravine and adjacent glade. – On sandstone boulders on edge of ravine.

James C. Lendemer *et al.* #6183 March 27, 2006
w/ William R. Buck, Richard C. Harris & Doug Ladd

227. *Placidium arboreum* (Schw. ex E. Michener) Lendemer
Det. James C. Lendemer – May 29, 2006

UNITED STATES OF AMERICA. MISSOURI. JEFFERSON COUNTY.: Don Robertson Property, north of Sand Cut Road, ~1.2 miles east of State Road NN, along tributary to La Barque Creek, “Club Moss Hollow”, Pacific Quad. – elev. 550-750 ft. - UTM 15 701557E 4252350N – Lat. 38° 23' 48"N, Long. 90° 41' 31"W – Deep acidic sandstone ravine with calcareous seepages below, and upland mixed hardwood forests with sandstone ledges above. – On the bark of an oak (*Quercus*), on an upland sandstone ledge.

James C. Lendemer *et al.* #7121 March 24, 2006
w/ Bruce Allen, William R. Buck & Richard C. Harris

228. *Xyleborus sporodochifer* R. C. Harris & Ladd
Det. James C. Lendemer – May 29, 2006

ISOTYPE

UNITED STATES OF AMERICA. MISSOURI. BARRY COUNTY.: Mark Twain National Forest, Piney Creek Wilderness, north of Forest Service Road #2185, 4.0 miles east of MO #39, Siloam Spring Trail, Cape Fair Quad. – elev. 1200-1300 ft. - UTM 15 445810E 4057882N – Lat. 36° 39' 54"N, Long. 93° 36' 23"W – Oak-pine forest with chert residuum. – On wood.

James C. Lendemer *et al.* #6519 March 27, 2006
w/ William R. Buck, Richard C. Harris, & Doug Ladd

229. *Cladonia fimbriata* (L.) Fr.
Det. James C. Lendemer – July 16, 2006

UNITED STATES OF AMERICA. NEW YORK. ESSEX COUNTY.: Northeast of Heart Lake, low east-facing slopes of Mt. Jo. – elev. 650-700 ft. – UTM 18 582927E 4893307N – Lat. 44° 11' 18" N, Long. 73° 57' 45" W - Road bank, in a mixed northern hardwood forest (*Acer*, *Fraxinus*, *Juglans*, *Betula*) with low coniferous areas and shaded rock outcrops. - On bryophytes and organic matter.

James C. Lendemer *et al.* #7121 September 17, 2004
w/ participants of 2004 A. Leroy Andrews Foray

230. *Cladonia diversa* Asperges
Det. James C. Lendemer – July 28, 2006

UNITED STATES OF AMERICA. NEW JERSEY. BURLINGTON COUNTY.: Rutgers Pinelands Field Station, 1.25 miles north of Four Mile Circle (NJ Route #70), ~2 miles south of New Lisbon, Browns Mills Quad. – elev. 100 ft. - UTM 18 534520E 4418512N – Lat. 39° 54' 58"N, Long. 74° 35' 46"W – Pine (*Pinus rigida*) – oak (*Quercus*) forest with ericaceous understory. – On sandy soil.

James C. Lendemer *et al.* #7139 July 1, 2006
w/ Andy Moroz & Andrew R. Suggs

231. *Protoblastenia rupestris* (Scop.) J. Steiner
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. OHIO. ADAMS COUNTY.: Chaparral Prairie State Nature Preserve, south of West Union, ~1.75 miles southeast of Cave Hill, West Union Quad. – elev. 900 ft. - UTM 17 276472E 4302118N – Lat. 38° 50' 22"N, Long. 83° 34' 31"W – Remnant prairie on alkaline soil with mixed hardwood (*Acer*, *Carya*, *Quercus*) – juniper (*Juniperus communis*) forest, and controlled burn areas. – On small pebbles in open areas.

James C. Lendemer *et al.* #7254
w/ participants of 15th Tuckerman Workshop

May 22, 2006

232. *Cladonia verticillata* (Hoffm.) Schaer.
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. OHIO. SCIOTO COUNTY.: Shawnee State Forest, at southern junction of Forest Service Roads 3 & 6, ~1.6 miles west of Bear Creek Lake, Otway Quad. – elev. 1100 ft. - UTM 17 308311E 4294275N – Lat. 38° 46' 35"N, Long. 83° 12' 24"W – Eroded sandstone roadbank and adjacent oak (*Quercus*) – hickory (*Carya*) woodland. – On soil and organic matter.

James C. Lendemer *et al.* #7223
w/ participants of the 15th Tuckerman Workshop

May 21, 2006

233. *Phaeophyscia leana* (Tuck.) Essl.
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. OHIO. ADAMS COUNTY.: Appalachia Nature Preserve, McKee Hollow, small tributary east of the Ohio River, Concord Quad. – elev. 500 ft. - UTM 17 287537E 4286408N – Lat. 38° 42' 03"N, Long. 83° 26' 36"W – Riparian forest periodically inundated by backwaters from the Ohio River. – On a fallen tree.

James C. Lendemer *et al.* #7224
w/ participants of the 15th Tuckerman Workshop

May 20, 2006

234. *Trapelia glebulosa* (Sm.) J.R. Laundon
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. OHIO. SCIOTO COUNTY.: Shawnee State Forest, Copperhead Lookout Tower, 0.75 miles south of Bear Creek Lake, Otway Quad. – elev. 1200 ft. - UTM 17 311342E 4293802N – Lat. 38° 46' 22"N, Long. 83° 10' 18"W – Open oak woodland. – On sandstone.

James C. Lendemer *et al.* #7253
w/ participants of the 15th Tuckerman Workshop

May 21, 2006

235. *Lecidea cyrtidia* Tuck.
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. PENNSYLVANIA. BEDFORD COUNTY.: Cumberland Valley Township, Buchanan State Forest, Pleasant Valley, along Blankley Road, 1.3 mi NE of CR 3011, Beans Cove Quad. – elev. 1700-1800 ft. - UTM 17 712221E 4436828N – Lat. 40° 03' 18"N, Long. 78° 30' 43"W – West-facing slope with granite exposures, granite/sandstone boulders, and mixed hardwood (*Tilia*, *Fraxinus*, *Quercus*, *Betula*) forest. – On a large sandstone boulder near top of ridge.

James C. Lendemer *et al.* #7336
w/ William R. Buck, Richard C. Harris, Scott LaGreca, and Natalie Howe

May 18, 2006

236. *Punctelia missouriensis* G. Wilh. & Ladd
Det. James C. Lendemer – August 1, 2006

UNITED STATES OF AMERICA. OHIO. GALLIA COUNTY.: Wayne National Forest, above Symmes Creek, along Symmes Creek Road, 1.5 miles south of Masse Road, ~ 2 miles east of Pumpkintown Road, Patriot Quad. - elev. 700-800 ft. - UTM 17 372231E 4298497N – Lat. 38° 49' 34"N, Long. 82° 28' 19"W – South-west facing slope with moist to dry exposed sandstone, soil, and open mixed oak woods. – On sandstone.

James C. Lendemer *et al.* #7431 May 19, 2006
w/ participants of the 15th Tuckerman Workshop

237. *Candelariella aurella* (Hoffm.) Zahlbr.
Det. Richard C. Harris – December, 2006

UNITED STATES OF AMERICA. NEW JERSEY. BURLINGTON COUNTY.: Lebanon State Forest, at intersection of Savoy Boulevard and NJ Route 72, ~3.5 miles east of Chatsworth, Woodmansie Quad. – elev. 150 ft. - UTM 18 543402E 4410765N – Lat. 39° 50' 52"N, Long. 74° 29' 34"W – Pine (*Pinus*) – oak (*Quercus*) forest with low ericaceous shrubs. – On concrete of railroad bridge.

James C. Lendemer *et al.* #7550 September 9, 2006
w/ Andy Moroz, William Roberts, Alfred Schuyler *et al.*

238. *Minutoexcipula tuckerae* V. Atienza & D. Hawksw.

UNITED STATES OF AMERICA. ARKANSAS. VAN BUREN COUNTY.: Ozark National Forest, along small creek 1.5 miles west of small artificial lake at Upper Brock Creek Campground, east of FS 1305 creek crossing. – Lat. 35° 29' 25"N, Long. 92° 49' 59"W – [NW ¼ sec. 29 T10N R17W] – Oak-pine woodland with glade openings and abundant sandstone bedrock, outcrops, and boulders. – On thalli of *Pertusaria texana* on lightly shaded decorticate and corticate branches of *Juniperus virginiana* along stream.

Douglas Ladd #28210 June 22, 2006

239. *Usnea michauxii* I.I. Tav.

UNITED STATES OF AMERICA. FLORIDA. DUVAL COUNTY.: Big Talbot Island State Park, Blackrock Trail, east of A1A, 1.6 miles south of north boundary of park. – Lat. 30° 29' 27"N, Long. 81° 26' 31"W – Coastal oak forest. – On fallen branches of *Quercus laevis*.

Richard C. Harris #53230 November 24, 2006

240. *Opegrapha varia* Pers.

UNITED STATES OF AMERICA. MISSOURI. COOPER COUNTY.: Lamine River Conservation Area, west of east entry of Coopers Loop, 0.3 miles north of Hwy. A at Brownfield Roadside Park. – Lat. 38° 42' 33"N, Long. 92° 58' 18"W – T.46N., R.19W., sect. 35 SE ¼ - Cherty dolomite outcrops in mixed hardwoods on west-facing slope.

Richard C. Harris #50777 April 15, 2005

241. *Opegrapha diffacticola* R.C. Harris & Ladd

ISOTYPE

UNITED STATES OF AMERICA. MISSOURI. MARIES COUNTY.: Spring Creek Gap Conservation Area east of CR 340 (Old Hwy 63), ca. ½ mile north of US 63. – elev. 240-320 m. – Lat. 38° 08' 14"N, Long. 91° 48' 08"W – Floodplain forest and dolomite and sandstone in small stream. – On *Bacidia diffracta* S. Ekman, on trunk of *Juniperus virginiana*.

Richard C. Harris #46555

November 4, 2002

242. *Bacidia diffracta* S. Ekman

UNITED STATES OF AMERICA. MISSOURI. MARIES COUNTY.: Spring Creek Gap Conservation Area east of CR 340 (Old Hwy 63), ca. ½ mile north of US 63. – elev. 240-320 m. – Lat. 38° 08' 14"N, Long. 91° 48' 08"W – Floodplain forest and dolomite and sandstone in small stream. – On trunk of *Juniperus virginiana*.

Richard C. Harris #46555-A

November 4, 2002

243. *Mycocalicium albonigrum* (Nyl.) Fink

UNITED STATES OF AMERICA. GEORGIA. PUTNAM COUNTY.: Oconee National Forest, end of Forest Service Road 1108 at rapids along Murder Creek. – elev. ca. 150 m. – Lat. 33° 14' N, Long. 83° 28' W – Oak woods with sandstone outcrops. – On base (3 dm to 1.3 m) of old (1 m DBH) *Fraxinus* near creek.

Richard C. Harris #38700

September 16, 1996

244. *Coenogonium luteum* (Dicks.) Kalb & Lücking s. lat.
Det. James C. Lendemer – March 17, 2007

UNITED STATES OF AMERICA. NORTH CAROLINA. WAKE COUNTY.: William B. Umstead State Park, vicinity of lower Sycamore Lake, ~1 mile southwest of Ebenezer Church, Cary Quad. – elev. 350-400 ft. – UTM 17 702991E 3970946N - Lat. 35° 51' 49"N, Long. 78° 45' 06"W – Ridges and rocky ravines with small creeks and forest varying from disturbed (*Pinus*, *Betula*, *Acer*) to mature (*Fraxinus*, *Acer*, *Quercus*), open soil banks and large rock outcrops along spillway. – Abundant on the bark of a pines (*Pinus*).

James C. Lendemer *et al.* #8414
w/ Andy Moroz & Gary Perlmutter

January 14, 2007

245. *Megaspora porphyritis* (Tuck.) R.C. Harris
Det. James C. Lendemer – February 1, 2007

UNITED STATES OF AMERICA. NORTH CAROLINA. WAKE COUNTY.: William B. Umstead State Park, Piedmont Beech Natural Area, south of Crabtree Creek, east of Reedy Creek Lake, just east of Raleigh, ~3.5 miles north of Ashbury, Raleigh West Quad. – elev. 300 ft. – UTM 17 704373E 3968345N - Long. 35° 50' 23"N, Long. 78° 44' 14"W – Mature beech (*Fraxinus*), oak (*Quercus*), maple (*Acer*), hickory (*Carya*) forest with some pine (*Pinus*), small openings with mosses, large fallen trees, and ravines with small rock outcrops. – On the bark of a red maple (*Acer rubrum*).

James C. Lendemer *et al.* #8349
w/ Andy Moroz & Gary Perlmutter

January 13, 2007

246. *Unknown Sporodochial Crust*

Det. James C. Lendemer – February 1, 2007

UNITED STATES OF AMERICA. NORTH CAROLINA. WAKE COUNTY.: William B. Umstead State Park, vicinity of lower Sycamore Lake, ~1 mile southwest of Ebenezer Church, Cary Quad. – elev. 350-400 ft. – UTM 17 702991E 3970946N - Lat. 35° 51' 49"N, Long. 78° 45' 06"W – Ridges and rocky ravines with small creeks and forest varying from disturbed (*Pinus*, *Betula*, *Acer*) to mature (*Fraxinus*, *Acer*, *Quercus*), open soil banks and large rock outcrops along spillway. – Abundant on large hardwoods (*Liquidambar*, *Acer*, *Quercus*) above edge of lake.

James C. Lendemer *et al.* #8413
w/ Andy Moroz & Gary Perlmutter

January 14, 2007

247. *Peltigera hydrothyria* Miadl. & Lutzoni

Det. James C. Lendemer – March 14, 2007

UNITED STATES OF AMERICA. PENNSYLVANIA. DAUPHIN COUNTY.: Property of the city of Harrisburg, below spillway of DeHart Dam, ~2 miles east of Carsonville, south of PA Route 325, Enders Quad. – elev. 600 ft. – UTM 18 351579E 4480410N - Lat. 40° 27' 40"N, Long. 76° 45' 02"W – Disturbed margins of dirt road, mixed hardwood (*Acer*, *Quercus*) / hemlock (*Tsuga*) forest, with small sandstone boulders and shale pebbles. – On bedrock of waterfall of a small stream.

James C. Lendemer #860 & Jack Stabley

March 10, 2007

248. *Alectoria sarmentosa* (Ach.) Ach.

Det. James C. Lendemer – March 17, 2007

CANADA. NEWFOUNDLAND.: Western Brook Pond, ~4 km north of Sally's Cove. – Lat. 49° 46' 08" N, Long. 57° 49' 14" W – Seaside sandstone/limestone outcrops and adjacent coastal forest of mixed conifers and birch (*Betula*) with sparse maple (*Acer*). – On branches of fallen conifers.

James C. Lendemer #8743

July 20, 2006

249. *Loxospora ochrophaea* (Tuck.) R.C. Harris

Det. James C. Lendemer – March 17, 2007

CANADA. NEWFOUNDLAND.: Western Brook Pond, ~4 km north of Sally's Cove. – Lat. 49° 46' 08" N, Long. 57° 49' 14" W – Seaside sandstone/limestone outcrops and adjacent coastal forest of mixed conifers and birch (*Betula*) with sparse maple (*Acer*). – On the bark of dead conifers.

James C. Lendemer #8730

July 20, 2006

250. *Cladonia turgida* Ehrh. ex Hoffm.

Det. James C. Lendemer – March 17, 2007

CANADA. NEWFOUNDLAND.: Trout River, behind Crocker Cabins. – Lat. 49° 28' 49" N, Long. 58° 07' 25" W – Disturbed opening in conifer forest. – On soil and organic matter.

James C. Lendemer *et al.* #8448

July 18, 2006

LITERATURE CITED

- Harris, R.C. 1995. More Florida Lichens. Including the 10ø Tour of the Pyrenolichens. Publ. by the Author, Bronx, N.Y. 192 pp.
- Staiger, B. 2002. Die Flechtenfamilie Graphidaceae. Studien in Richtung einer natürlicheren Gliederung. Bibliotheca Lichenologica, 85. Berlin, Stuttgart. 526 pp.

ENDNOTES

1. *Fissurina cypressi* (Müll. Arg.) Lendemer *comb. nov.*

Graphina cypressi Müll. Arg., Bull. Herb. Boiss., 3: 47. 1895. TYPE: USA, Louisiana, in swamps near St. Martinsville, on *Taxodium distichum*, A.B. Langlois 877 (PH!, isotype).

As keyed by Harris (1995) *Graphina cypressi* is easily recognized by the rough white thallus, lack of lichen substances, crowded irregular uncarbonized fissurine ascomata, and hyaline muriform ascospores (85-105 x 20-28µm; 1-(2) per ascus). The species is widely distributed in the southeastern United States, where it occurs on the bark of hardwoods. Following the generic concepts of Staiger (2002) the species should be classified in the genus *Fissurina* thus the new combination *F. cypressi* is proposed here.

2. *Fissurina scolecitis* (Tuck.) Lendemer *comb. nov.*

Graphis scolecitis Tuck., Gen. Lich., p. 210. 1872. TYPE: USA. Alabama, *Beaumont s.n.* (H-NYL!, isotype).

Graphina scolecitis (Tuck.) Fink, The Lichen Flora of the United States, p. 115. 1935.

Graphina scolecitis is widely distributed in the southeastern United States, where it is found on the bark of hardwoods. As keyed by Harris (1995) the species could be confused with *G. columbina* (Tuck.) Wirth & Hale (= *Fissurina columbina* (Tuck.) Staiger). The species is easily recognized however, by the lack of lichen substances in the thallus, elongate fissurine ascomata, exciple turning orange-red in KOH, and sub-muriform hyaline ascospores (2-3 x 6-8 celled, 22-32 x 10-11µm, (6)-8 per ascus). Following Staiger (2002) *G. scolecitis* should be classified in the genus *Fissurina*, thus the new combination *F. scolecitis* is proposed here.