

A Catalogue of Tennessee Lichens, Revisited

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In 1972 Skorepa published a catalogue of the lichens reported for Tennessee; the catalogue was based primarily on a literature survey covering the years 1858 to the time of the report. Skorepa accepted 427 species in 94 genera, one subspecies, 14 varieties, and 21 forms. A perusal of his compiled data and a few studies subsequently published show that most of the species listed for Tennessee were found on the eastern Tennessee border and, in particular, in the Smoky Mountains as a result of two major studies (Degelius, 1943; Dey, 1978). A limited survey that excluded crustose lichens was conducted over a three year period in an area known as The Land Between the Lakes (Philips, 1970). This area included Steward County located in north-central Tennessee on the southern Kentucky border and Trigg and Lyon Counties in Kentucky. Only a few scientific reports have been published on a small number of species from western Tennessee (Wilhelm and Ladd, 1992; Ekman, 1996). Data from the above publications are given in Table 1. All species names have been updated to conform to the sixth lichen checklist (Esslinger and Egan, 1995). No known lichen surveys had been conducted in the central or south-central area of the state.

In 1998, Arnold Engineering Development Center (AEDC) initiated a lichen survey on Arnold Air Force Base (AAFB) as part of efforts to establish a baseline inventory of biological diversity on the bases's lands. AAFB is a Department of Defense installation in Coffee and Franklin Counties, south-central Tennessee, near the city of Tullahoma. The base is located within the Highland Rim physiographic region and encompasses 39,081 acres. Topography ranges from relatively flat land with poor surface drainage in the northern portion of the base to moderate relief with defined stream channels in the southern section. About 88 percent of AEDC is undeveloped with 29,021 forested acres; the rest is comprised of open areas, open water habitat, and a little over 2,000 acres of facilities. The forested area is about 80 percent hardwoods, primarily oak, and 20 percent softwood (pine). There are approximately 1,900 acres of jurisdictional wetlands (Bingham and Winford, 1998).

Seven sites totaling 3,029 acres were selected by AEDC for the lichen survey. These sites were chosen by AEDC conservation biologists to represent the diversity of terrain and natural vegetation communities present on the base including wetland systems and localities with known occurrences of rare, threatened, and endangered (RTE) vascular plant species. An additional four sites totaling about 2,000 acres were chosen by the current investigator for added study. These additional sites included dry, oak-type forest, rolling forested hills, and marshland communities. Several small sites, each under one acre, were also sampled: an old cemetery, concrete structures still remaining on the abandoned site of the former airbase, and miscellaneous small points. The entire survey was conducted over a total of about 5,000 acres.

AEDC has an extensive concentration of karst wetlands, a component within a barrens ecosystem on the southeast region of the Eastern Highland Rim of Tennessee. Although the soils of the barrens are poor for farming, they possess an exceptionally rich and diverse assortment of disjunct plants and animal species. AAFB comprises the largest remaining undeveloped or

nonagricultural piece of land in the Tennessee barrens (De Selm, 1981, 1989, 1990). At least 68 RTE plants and animals have been identified at AAFB, most of them in or near karst formations. Additionally, several disjunct populations of Coastal Plain vascular plant species, in association with wetland communities, were reported by Clebsch and Pyne in 1995. The Barrens are characterized by highly acidic soils overlaying a cherty limestone residuum (Wolfe, 1996). Very small areas of this limestone base are exposed at various points at AAFB as a result of soil erosion. These alkaline sites were carefully examined for they often support unique lichen communities. A total of 1,342 lichen specimens were collected for identification. All specimens were deposited at the University of Tennessee Herbarium in Knoxville.

Table 1 shows a total of 567 lichen species within 156 genera as occurring in Tennessee of which 216 were found at AAFB. Of the 216 taxa comprising 79 genera, 66 taxa represent new state records; accession numbers (AAFB) are given for the latter in Table 1. Since no lichens were previously reported from Coffee and Franklin Counties, the 216 taxa found at AAFB represent a new data base for the region. The relatively large number of new state records may seem unusual but it is believed that this only reflects the previous lack of surveys in central Tennessee. The two lichens listed by the Federal government as being RTE species (*Cladonia perforata* A. Evans and *Gymnoderme lineare* (A. Evans) Yoshimura and Sharpe) were not found. This is not surprising in that physiographic conditions noted for their growth do not occur at AAFB. Some of the species found at the base may represent a disjunct population, e.g., *Parmotrema margaritatum* (Hue) Hale and *Phaeophyscia hispidula* (Ach.) Essl. occur primarily in the western part of the United States. However, until more lichen distribution studies for North America become available, a disjunct claim may be unwarranted. No strong pattern of physical or environmental selection for lichen occurrence was noted in the survey with two exceptions: ground-dwelling taxa such as *Cladonia* spp. tended not to occur in the wetlands; taxa such as *Bacidia granosa*, *B. sabulorum*, *Caloplaca feracissima*, *Farnoldia jurana*, *Protoblastenia rupestris*, and *Sarcogyne regularis* were found on alkaline substrates such as discarded concrete blocks, concrete structures, alkaline rocks, and marble tombstones. *Candelaria concolor* and *Physcia dubia* were also found on alkaline substrates since they can tolerate alkaline conditions but normally occur on acidic substrates. No correlation was found between lichen distribution and the distribution of vascular flora particularly with respect to the high incidence of disjunct vascular plants among karst formations.

The eleven sites surveyed were, more or less, evenly distributed over the base. Although the 5,000 acres investigated represent only about 12 to 13 percent of the total acreage at AAFB, based on the pattern of lichen distribution it is believed that a good representation of the lichen population for the area was obtained.

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Key to lichen records:

A = Arnold Air Force Base (Ciegler, 1998)

T = University of Tennessee Herbarium

S = Smoky Mountains (Degelius, 1941)

H = High Appalachians (Dey, 1978)

L = Land between the Lakes (Phillips, 1970)

M = Miscellaneous species: Berry, 1941; Cain, 1935; Calkins, 1890; Ciegler, Unpublished Data; Ekman, 1996; Evans, 1947; Fink, 1904, 1906, 1907, 1919; Hedrick, 1933; Howe, 1910; Ihlen and Tonsberg, 1996; Magnusson, 1929, 1935; Motyka, 1964; Mzingo, 1954, 1961; Phillips, 1963; Sharp, 1930; Sheard, 1995; Sierk, 1958; Skorepa, 1972; Tuckerman, 1859; Wilhelm and Ladd, 1992

** = New state record; voucher specimens indicated by AAFB acquisition number.

Table 1.
LICHEN RECORDS FROM TENNESSEE

<i>Acarospora cervina</i> A. Massal. AAFB 1042	A						**
<i>Acarospora fuscata</i> (Schrader) Arnold			S				
<i>Acarospora glaucocarpa</i> (Ach.) Korber AAFB 1061	A						**
<i>Acrocordia gemmata</i> A. Massal.		T					
<i>Ahtiana aurescens</i> (Tuck.) Thell & Randlane		T					
<i>Alectoria sarmentosa</i> (Ach.) Ach.			S			M	
<i>Allocetraria oakesiana</i> (Tuck.) Randlane & Thell	A	T	S	H			
<i>Amandinea punctata</i> (Hoffm.) Coppino & Scheid	A					M	
<i>Anaptychia palmulata</i> (Michaux) Vainio	A	T	S	H	L		
<i>Anisomeridium biforme</i> (Bor.) R.C. Harris AAFB 473	A						**
<i>Anisomeridium subprostans</i> (Nyl.) R.C. Harris						M	
<i>Anzia americana</i> Yoshim. & Sharp						M	
<i>Anzia colpodes</i> (zia Ach.) Stizenb.			S	H			
<i>Arthonia bisepta</i> Degel.						M	
<i>Arthonia caesia</i> (Flotow) Koerber			S			M	
<i>Arthonia cinnabarina</i> (DC.) Wallr.	A		S				
<i>Arthonia polymorpha</i> Ach. AAFB 1280	A						**
<i>Arthonia punctiformis</i> Ach.			S				
<i>Arthonia rubella</i> (Fee) Nyl.	A						**
<i>Arthonia</i> sp.	A			H			
<i>Arthopyrenia cinereopruinosa</i> (Schaerer) A. Massal.			S				
<i>Arthopyrenia plumbaria</i> (Stizenb.) R.C. Harris AAFB 1276	A						**
<i>Arthothelium interveniens</i> (Nyl.) Zahlbr. AAFB 910	A						**
<i>Arthothelium spectabile</i> A. Massal. AAFB 16	A						**
<i>Aspicilia cinerea</i> (L.) Korber AAFB 25	A						**
<i>Aspicilia</i> sp.	A						
<i>Bacidia assulata</i> Vezda						M	
<i>Bacidia diffracta</i> S. Ekman	A					M	
<i>Bacidia granosa</i> (Tuck.) Zahlbr.	A						**
<i>Bacidia helicospora</i> S. Ekman	A						
<i>Bacidia laurocerasi</i> (Delise ex Duby) Ozenda & Clauzade	A	T					
<i>Bacidia polychroa</i> (Th.Fr.) Korber	A	T	S				
<i>Bacidia rubella</i> (Hoffm.) A. Massal.						M	
<i>Bacidia sabuletorum</i> (Schreber) Lettau AAFB 1043	A						**
<i>Bacidia schweinitzii</i> (Fr. ex Michener) Schneider	A	T	S				
<i>Bacidia</i> sp.	A						
<i>Bacidia subincompta</i> (Nyl.) Arnold AAFB 478	A						**
<i>Bacidina californica</i> S. Ekman AAFB 276	A						**
<i>Bacidina egenula</i> (Nyl.) Vezda AAFB 427	A						**

<i>Bacidina inundata</i> (Fr.) Vezda AAFB 1018	A					**
<i>Baeomyces rufus</i> (Hudson) Rebent		T		H		
<i>Biatora helvola</i> (Koerber) Hellborn		T	S			
<i>Biatora vernalis</i> (L.) Fr. AAFB 980	A					**
<i>Biatorella rappii</i> Zahlbr. AAFB 502	A					**
<i>Brigantiaea leucoxantha</i> (Sprengel) Sant. & Hafellner		T				
<i>Bryoria bicolor</i> (Ehrh.) Brodo & D. Hawksw.			S	H		
<i>Bryoria furcellata</i> (Fr.) Brodo & D. Hawksw.		T	S	H		
<i>Bryoria nadvornikiana</i> (Gyelnik) Brodo & D. Hawksw.		T	S	H		
<i>Bryoria tenuis</i> (E. Dahl) Brodo & D. Hawksw.				H		
<i>Bryoria trichodes</i> (Michaux) Brodo & Hawksw.		T				
<i>Bryoria trichodes</i> subsp. <i>americana</i> (Michaux) Brodo & D. Hawksw.				H		
<i>Buellia amphidexia</i> Imshaug ex R.C. Harris AAFB 635	A					**
<i>Buellia caloosensis</i> Tuck. AAFB 947	A					**
<i>Buellia curtisii</i> (Tuck.) Imshaug	A				M	
<i>Buellia dialyta</i> (Nyl.) Tuck.			S			
<i>Buellia disciformis</i> (Fr.) Mudd		T	S			
<i>Buellia elizae</i> (Tuck.) Tuck.		T				
<i>Buellia imshaugiana</i> R.C. Harris AAFB 792	A					**
<i>Buellia lepidastra</i> (Tuck.) Tuck.					M	
<i>Buellia mammilana</i> (Tuck.) W.A. Webber					M	
<i>Buellia rappii</i> Imshaug ex R.C. Harris AAFB 361	A					**
<i>Buellia schaeereri</i> DeNot		T				
<i>Buellia spuria</i> (Schaeerer) Anzi		T				
<i>Buellia stigmaea</i> Tuck.					M	
<i>Buellia stillingiana</i> J. Steiner	A				M	
<i>Buellia vernicoma</i> (Tuck.) Tuck.		T				
<i>Bulbothrix goebelii</i> (Zenker) Hale	A				M	
<i>Bulbothrix laevigatula</i> (Nyl.) Hale			S			
<i>Byssoloma subdiscordans</i> (Nyl.) P. James					M	
<i>Caloplaca camptidia</i> (Tuck.) Zahlbr.		T				
<i>Caloplaca cerina</i> (Hedwig) Th. Fr.		T				
<i>Caloplaca cinnabarina</i> (Ach.) Zahlbr.					M	
<i>Caloplaca discolor</i> (Willey) Fink		T				
<i>Caloplaca feracissima</i> H. Magn. AAFB 1032	A					**
<i>Caloplaca ferruginea</i> (Hudson) Th. Fr. AAFB 77	A					**
<i>Caloplaca flavovirescens</i> (Wulfen) Dalle Torre & Samth.	A	T				
<i>Caloplaca holocarpa</i> (Hoffm. ex Ach.) M. Wade		T				
<i>Caloplaca schaeereri</i> (Florke) Zahlbr.		T				
<i>Caloplaca</i> sp.	A		S			
<i>Caloplaca wrightii</i> (Willey) Fink AAFB 37	A					**
<i>Candelaria concolor</i> (Dickson) Stein	A	T		L		
<i>Candelaria fibrosa</i> (Fr.) Mull. Arg.	A	T		L		
<i>Candelariella xanthostigma</i> (Ach.) Lettau					M	
<i>Canoparmelia caroliniana</i> (Nyl.) Elix & Hale	A	T		L		
<i>Canoparmelia crozalsiana</i> (de Lesd.) Elix & Hale	A			L		

<i>Canoparmelia texana</i> (Tuck.) Elix & Hale	T					M
<i>Catapyrenium squamulosum</i> (Ach.) Breuss	T					
<i>Catapyrenium tuckermanii</i> (Rav. ex Mont.) Thomson	T				L	
<i>Cetraria aculeata</i> (Schreber) Fr.						M
<i>Cetraria islandica</i> (L.) Ach.	T			H		
<i>Cetrelia cetrariodes</i> (Duby) Culb. & C. Culb.			S	H		
<i>Cetrelia chicitae</i> Culb. & C. Culb.	T			H		
<i>Cetrelia olivetorum</i> (Nyl.) W. Culb. & C. Culb.	T			H		
<i>Chaenotheca</i> sp. AAFB 674	A					**
<i>Chrysothrix candelaris</i> (L.) J.R. Laundon	A		S			
<i>Chrysothrix chlorina</i> (Ach.) J.R. Laundon			S			
<i>Cladina arbuscula</i> (Wallr.) Hale & Culb.	A	T		H		
<i>Cladina ciliata</i> (Stirton) Trass						M
<i>Cladina mitis</i> (Sandst.) Hustich						M
<i>Cladina portentosa</i> (Dufour) Follmann			S			M
<i>Cladina rangiferina</i> (L.) Nyl.	A	T	S	H	L	
<i>Cladina subtenuis</i> (Abbayes) Hale & Culb.	A	T				
<i>Cladina subtenuis</i> f. <i>cinerea</i> (Ahti) Ahti AAFB 444	A					**
<i>Cladonia apodocarpa</i> Robbins		T				
<i>Cladonia botrytes</i> (K. Hagen) Willd.			S			
<i>Cladonia brevis</i> (Sandst.) Sandst.						M
<i>Cladonia caespiticia</i> (Pers.) Florke		T	S	H		
<i>Cladonia cariosa</i> (Ach.) Spreng						M
<i>Cladonia caroliniana</i> Tuck.	A	T	S			
<i>Cladonia cenotea</i> (Ach.) Schaerer						M
<i>Cladonia cervicornis</i> subsp. <i>cervicornis</i> (Ach.) Flotow	A					
<i>Cladonia cervicornis</i> subsp. <i>verticillata</i> (Hoffm.) Ahti		T		H		M
<i>Cladonia chlorophaea</i> (Florke ex Sommerf.) Sprengel	A	T		H	L	
<i>Cladonia coccifera</i> (L.) Willd.			S			
<i>Cladonia coniocraea</i> (Florke) Sprengel & Ahti	A	T		H	L	
<i>Cladonia cornuta</i> subsp. <i>cornuta</i> (L.) Hoffm.						M
<i>Cladonia crispata</i> (Ach.) Flotow		T				
<i>Cladonia cristatella</i> Tuck.		T		H		
<i>Cladonia cylindrica</i> (A. Evans) A. Evans	A					M
<i>Cladonia deformis</i> (L.) Hoffm.						M
<i>Cladonia didyma</i> (Fee) Vainio	A	T	S	H		
<i>Cladonia digitata</i> (L.) Hoffm.				H		
<i>Cladonia fimbriata</i> (L.) Fr.	A	T	S			
<i>Cladonia floerkeana</i> (Fr.) Somm.						M
<i>Cladonia floridana</i> Vainio						M
<i>Cladonia furcata</i> (Hudson) Schrader		T	S	H		
<i>Cladonia gracilis</i> (L.) Willd.		T	S	H		
<i>Cladonia grayi</i> G.Merr. ex Saudst		T		H		
<i>Cladonia incrassata</i> Florke		T	S	H		
<i>Cladonia macilenta</i> Hoffm.		T	S	H		
<i>Cladonia macilenta</i> v. <i>bacillaris</i> (Genth) Schaerer	A	T	S	H	L	
<i>Cladonia mateocyatha</i> Robbins		T				

<i>Cladonia merochlorophaea</i> Asah					H		
<i>Cladonia ochrochlora</i> Florke		T	S				
<i>Cladonia parasitica</i> (Hoffm.) Hoffm.		T	S				
<i>Cladonia peziziformis</i> (With.) J.R. Laundon	A	T			H	L	
<i>Cladonia phyllophora</i> (Ehrh.) Hoffm.							M
<i>Cladonia piedmontensis</i> G. Merr.							M
<i>Cladonia pleurota</i> Schaerer		T			H		
<i>Cladonia polycarpia</i> G.K. Merr		T					
<i>Cladonia polycarpoides</i> Nyl.	A	T					
<i>Cladonia pyxidata</i> (L.) Hoffm.		T	S				
<i>Cladonia ramulosa</i> (With.) J.R. Laundon	A	T			H		
<i>Cladonia rappii</i> A. Evans							M
<i>Cladonia rei</i> Schaerer			S				
<i>Cladonia robbinsii</i> A. Evans							M
<i>Cladonia sobolescens</i> Nyl. ex Vainio		T					
<i>Cladonia squamosa</i> Hoffm.	A	T	S		H	L	
<i>Cladonia strepsilis</i> (Ach.) Grognot	A	T					
<i>Cladonia subulata</i> (L.) F. H. Wigg							M
<i>Cladonia turgida</i> Hoffm.							M
<i>Cladonia uncialis</i> (L.) F.H. Wigg		T	S		H		
<i>Cliostomum griffithii</i> (Sm.) Coppins AAFB 489	A						**
<i>Coccocarpia erythroxyli</i> (Sprengel) Swinscow & Krog		T					
<i>Coccocarpia palmicola</i> (Sprengel) Arv. & D.J. Galloway		T			H		
<i>Collema bachmanianum</i> (Fink) Degel.		T					
<i>Collema coccophorum</i> Tuck.							M
<i>Collema conglomeratum</i> Hoffm. AAFB 1165	A						**
<i>Collema cristatum</i> (L.) F. H. Wigg							M
<i>Collema flaccidum</i> (Ach.) Ach.		T					
<i>Collema furfuraceum</i> (Arnold) Du Rietz	A	T	S		H		
<i>Collema leptaleum</i> Tuck.							M
<i>Collema nigrescens</i> (Hudson) DC.		T			H		
<i>Collema pulchellum</i> var. <i>leucocephum</i> (Tuck.) Degel.							M
<i>Collema subflaccidum</i> Degel.	A				H		
<i>Collema tenax</i> (Sw.) Ach.							M
<i>Collema texanum</i> Tuck.							M
<i>Conotrema urceolatum</i> (Ach.) Tuck.			S				
<i>Cresponea premnea</i> (Ach.) Egea & Torrente							M
<i>Dendriscoaulon umhausense</i> (Auersw.) Degel.							M
<i>Dermatocarpon luridum</i> (With.) J.R. Laundon		T					M
<i>Dermatocarpon miniatum</i> (L.) W. Mann		T					
<i>Dibaeis absoluta</i> (Tuck.) Kalb & Gierl							M
<i>Dibaeis baeomyces</i> (L.F.) Rambold & Hertel	A	T			H		
<i>Dirinaria frostii</i> (Tuck.) Hale & Culb.							M
<i>Dirinaria picta</i> (Sw.) Clem. & Shear			S				
<i>Endocarpon pusillum</i> Hedwig		T					
<i>Ephebe americana</i> Henss.					H		
<i>Ephebe lanata</i> (L.) Vainio			S		H		M

<i>Ephebe solida</i> Born.				H		M	
<i>Erioderma mollissimum</i> (Samp.) Du Rietz			S				
<i>Everniastrum catawbiense</i> (Degel.) Hale ex Sipman		T	S	H			
<i>Farnoldia jurana</i> (Schaerer) Hertel AAFB 425	A						**
<i>Fellhanera bouteillei</i> (Desmaz.) Vezda		T					
<i>Flakea papillata</i> O.Eriksson						M	
<i>Flavoparmelia baltimorensis</i> (Gyelnk & Foriss) Hale	A	T					
<i>Flavoparmelia caperata</i> (L.) Hale	A	T	S	H	L		
<i>Flavopunctelia flaventior</i> (Stirton) Hale				H			
<i>Fuscidea cyathoides</i> (Ach.) V. Wirth & Vezda						M	
<i>Fuscidea mollis</i> (Wahlenb.) V. Wirth & Vezda			S				
<i>Fuscidea</i> sp.			S				
<i>Fuscopannaria leucophaea</i> (Vahl) P.M. Jorg			S			M	
<i>Fuscopannaria leucosticta</i> (Tuck.) P.M. Jorg		T	S			M	
<i>Fuscopannaria maritima</i> (P. M. Jorg.) P. M. Jorg.						M	
<i>Glyphis cicatricosa</i> Ach.		T					
<i>Graphis afzelii</i> Ach. AAFB 964	A						**
<i>Graphis anfractuosa</i> Eschw. AAFB 912	A						**
<i>Graphis desquamescens</i> (Fee) Zahlbr. AAFB 667	A						**
<i>Graphis librata</i> C. Knight AAFB 773	A						**
<i>Graphis lineola</i> Ach. AAFB 475	A						**
<i>Graphis scripta</i> (L.) Ach.	A		S				
<i>Graphis</i> sp. Harris 23509 AAFB 493	A						**
<i>Graphis tenella</i> Ach.			S				
<i>Gymnoderma lineare</i> (A. Evans) Yosh. & Sharp		T		H			
<i>Heppia lutosa</i> (Ach.) Nyl.		T					
<i>Heterodermia albicans</i> (Pers.) Swinscow & Krog	A	T					
<i>Heterodermia appalachensis</i> (Kurok.) Culb.		T					
<i>Heterodermia casarettiana</i> (Massal.) Trevisan	A					M	
<i>Heterodermia crocea</i> R.C. Harris			S				
<i>Heterodermia dendritica</i> (Pers.) Poelt		T					
<i>Heterodermia echinata</i> (Taylor) Culb.						M	
<i>Heterodermia galactophylla</i> (Tuck.) Culb.		T					
<i>Heterodermia granulifera</i> (Ach.) Culb.		T					
<i>Heterodermia hypoleuca</i> (Muhl.) Trevisan		T	S				
<i>Heterodermia leucomelos</i> (L.) Poelt		T	S	H			
<i>Heterodermia microphylla</i> (Kurok) Skorepa						M	
<i>Heterodermia obscurata</i> (Nyl.) Trevisan	A	T	S	H	L		
<i>Heterodermia propagulifera</i> (Vainio) Dey				H			
<i>Heterodermia pseudospeciosa</i> (Kurok.) Culb.	A	T					
<i>Heterodermia speciosa</i> (Wulfen) Trevisan	A	T	S	H	L	M	
<i>Heterodermia squamulosa</i> (Degel.) Culb.		T	S	H			
<i>Heterodermia tremulans</i>						M	
<i>Hydrothyria venosa</i> J.L. Russell		T					
<i>Hypogymnea enteromorpha</i> (Ach.) Nyl.		T					
<i>Hypogymnia krogiae</i> Ohlsson				H			
<i>Hypogymnia physodes</i> (L.) Nyl.		T	S	H			

<i>Hypogymnia tubulosa</i> (Schaerer) Hav.	T	S	H	
<i>Hypogymnia vittata</i> (Ach.) Parrique	T	S		
<i>Hypotrachyna croceopustulata</i> (Kurok.) Hale	T		H	
<i>Hypotrachyna densirhizinata</i> (Kurok.) Hale	T		H	
<i>Hypotrachyna dentella</i> (Hale & Kurok.) Hale			H	
<i>Hypotrachyna gondylophora</i> (Hale) Hale	T		H	
<i>Hypotrachyna imbricatula</i> (Zahlbr.) Hale		S	H	
<i>Hypotrachyna laevigata</i> (Sm.) Hale			H	
<i>Hypotrachyna livida</i> (Taylor) Hale	A	T		L
<i>Hypotrachyna oostingii</i> (J.P. Dey) Hale			H	
<i>Hypotrachyna osseoalba</i> (Vainio) Park & Hale	T			
<i>Hypotrachyna producta</i> Hale			H	
<i>Hypotrachyna prolongata</i> (Kurok.) Hale	T		H	
<i>Hypotrachyna pustulifera</i> (Hale) Skorepa	A			M
<i>Hypotrachyna revoluta</i> (Florke) Hale	T	S	H	
<i>Hypotrachyna rockii</i> (Zahlbr.) Hale	T		H	
<i>Hypotrachyna sinuosa</i> (Sm.) Hale			H	
<i>Hypotrachyna thysanota</i> (Kurok.) Hale			H	
<i>Hypotrachyna virginica</i> (Hale) Hale			H	
<i>Imadophila ericetorum</i> (L.) Zahlbr.	T			
<i>Imshaugia aleurites</i> (Ach.) S.F. Meyer	T	S	H	
<i>Imshaugia placorodia</i> (Ach.) S.F. Meyer				M
<i>Ionaspis lacustris</i> (With.) Lutzoni		S		
<i>Ionaspis odora</i> (Ach.) Th. Fr. ex Stein				M
<i>Ionaspis</i> sp.	T			
<i>Lasallia papulosa</i> (Ach.) Llano	T	S	H	
<i>Lasallia pensylvanica</i> (Hoffm.) Llano				M
<i>Lecania erysibe</i> (Ach.) Mudd		S		
<i>Lecanora albella</i> var. <i>rubescens</i> (Imshaug & Brodo) Lumbsch AAFB 874	A			**
<i>Lecanora allophana</i> Nyl.	T			
<i>Lecanora argentata</i> (Ach.) Malme	A	S		
<i>Lecanora caesiorubella</i> subsp. <i>caesiorubella</i> (Ach.) Brodo AAFB 220	T			
<i>Lecanora caesiorubella</i> subsp. <i>glaucomodes</i> (Nyl.) Imshaug & Brodo	A			**
<i>Lecanora caesiorubella</i> subsp. <i>prolifera</i> Fink) R.C. Harris AAFB 720	A			**
<i>Lecanora campestris</i> (Schaerer) Hue				M
<i>Lecanora chlarotera</i> Nyl.	T			
<i>Lecanora cinereofusca</i> var. <i>cinereofusca</i> H. Magnusson	T			
<i>Lecanora crenulata</i> Hook AAFB 32	A			**
<i>Lecanora expallens</i> Ach.	T	S		
<i>Lecanora hybocarpa</i> (Tuck.) Brodo	A			M
<i>Lecanora imshaugii</i> Brodo	A			
<i>Lecanora insignis</i> Degel.		S		
<i>Lecanora minutella</i> Nyl.				M
<i>Lecanora olivaceopallida</i> H. Magn.		S		

<i>Lecanora oreinoides</i> (Korber) Hertel & Rambold		T				M	
<i>Lecanora polytropa</i> (Hoffm.) Rabenh.						M	
<i>Lecanora pulicaris</i> (Pers.) Ach. AAFB 1174	A						**
<i>Lecanora subrugosa</i> Nyl.						M	
<i>Lecanora symmicta</i> (Ach.) Ach.			S				
<i>Lecanora varia</i> (Hoffm.) Ach.	A	T					
<i>Lecidea chalybeiza</i> Nyl.	A	T					
<i>Lecidea degelii</i> H. Magn.			S				
<i>Lecidea deminutula</i> H. Magn.			S				
<i>Lecidea fuliginosa</i> Taylor						M	
<i>Lecidea hebescons</i> Nyl.						M	
<i>Lecidea lithophila</i> (Ach.) Ach.						M	
<i>Lecidea lurida</i> (Ach.) DC.						M	
<i>Lecidea parasema</i> Ach.	A					M	
<i>Lecidea plana</i> (J. Lahm) Nyl.			S				
<i>Lecidea</i> sp.	A						
<i>Lecidea subtilis</i> Degel			S				
<i>Lecidella elaeochroma</i> (Ach.) Hazsl.			S				
<i>Lecidella</i> sp.						M	
<i>Lepraria lobificans</i> Nyl. AAFB 492	A						**
<i>Lepraria neglecta</i> (Nyl.) Erichsen		T	S			M	
<i>Lepraria</i> sp.	A						
<i>Leptoloma membranaceum</i> (Dickson) Vainio	A					M	
<i>Leptoloma</i> sp.	A						
<i>Leptogium appalachense</i> Nyl.		T					
<i>Leptogium austroamericanum</i> (C.W. Malme) Dodge	A	T					
<i>Leptogium azureum</i> (Sw.) Mont.						M	
<i>Leptogium burnetiae</i> C.W. Dodge	A			H			
<i>Leptogium chloromelum</i> (Sw. ex Ach.) Nyl.		T					
<i>Leptogium corticola</i> (Taylor) Tuck.		T	S	H			
<i>Leptogium cyanescens</i> (Rabenh.) Korber	A	T	S	H	L		
<i>Leptogium hirsutum</i> Sierk		T					
<i>Leptogium juniperinum</i> Tuck.		T					
<i>Leptogium laceroides</i> (deLesd) P.M. Jorg.		T	S	H			
<i>Leptogium lichenoides</i> (L.) Zahlbr.		T	S				
<i>Leptogium marginellum</i> (Sw.) Gray AAFB 725	A						**
<i>Leptogium milligranum</i> Sierk						M	
<i>Leptogium saturninum</i> (Dickson) Nyl.		T	S				
<i>Leptorhaphis epidermidis</i> (Ach.) Th. Fr.						M	
<i>Lettauia santessonii</i> Ihlen & Tonsberg						M	
<i>Lobaria pulmonaria</i> (L.) Hoffm.		T	S	H			
<i>Lobaria quercizans</i> Michaux		T	S	H			
<i>Lobaria ravenelii</i> (Tuck) Yoshim.						M	
<i>Lobaria scrobiculata</i> (Scop.) DC.		T	S	H			
<i>Loxospora ochrophaea</i> (Tuck.) R.C. Harris	A		S				
<i>Loxospora pustulata</i> (Brodo & Culb.) R.C. Harris	A					M	
<i>Maronea constans</i> (Nyl.) Hepp. AAFB 901	A						**

<i>Megalaria</i> sp.			S			
<i>Melanelia culbersonii</i> (Hale) Thell.						M
<i>Melanelia fuliginosa</i> (Fr. ex Duby) Essl.	A					M
<i>Melanelia halei</i> (Ahti) Essl.				H		
<i>Melanelia hepatizon</i> (Ach.) Thell				H	M	
<i>Melanelia olivacea</i> (L.) Essl.			S			
<i>Melanelia stygia</i> (L.) Essl.				H		
<i>Melanelia subaurifera</i> (Nyl.) Essl.		T	S	H		
<i>Melaspilea demissa</i> (Tuck.) Zahlbr.			S			
<i>Menegazzia terebrata</i> (Hoffm.) Massal.		T	S	H		
<i>Micarea endocyanea</i> (Tuck. ex Welley) R.C. Harris			S			
<i>Micarea peliocarpa</i> (Anzi) Coppins & R.Sant.						M
<i>Mycoblastus sanguinarius</i> (L.) Norman						M
<i>Mycoporum compositum</i> (Massal.) R.C. Harris AAFB 59	A					**
<i>Mycoporum pycnocarpoides</i> Mull. Arg. AAFB 578	A					**
<i>Myelochroa aurulenta</i> (Tuck.) Elix & Hale	A	T	S	H	L	
<i>Myelochroa galbina</i> (Ach.) Elix & Hale	A	T	S	H	L	
<i>Myelochroa obsessa</i> (Ach.) Elix & Hale	A					
<i>Nephroma helveticum</i> subsp. <i>helveticum</i> Ach.	A	T	S	H		
<i>Nephroma parile</i> (Ach.) Ach.		T	S	H		
<i>Nephroma resupinatum</i> (L.) Ach.		T	S	H		
<i>Normandina pulchella</i> (Borrer) Nyl.	A		S			
<i>Ocellularia granulosa</i> (Tuck.) Zahlbr. AAFB 501	A					**
<i>Ochrolechia africana</i> Vainio	A					M
<i>Ochrolechia pseudopallescens</i> Brodo						M
<i>Ochrolechia tartarea</i> (L.) Massal.						M
<i>Ochrolechia yasudae</i> Vainio			S			
<i>Opegrapha vulgata</i> Ach.		T	S			
<i>Orphniospora moriopsis</i> (Massal.) D. Hawksw.						M
<i>Pannaria conoplea</i> (Ach.) Borg			S			M
<i>Pannaria lurida</i> (Mont.) Nyl.						M
<i>Pannaria rubiginosa</i> (Ach.) Bory	A	T		H		
<i>Pannaria tavaresii</i> P.M. Jorg.	A					M
<i>Paraparmelia alabamensis</i> (Hale & McCull) Elix & J. Johnston						M
<i>Parmelia omphalodes</i> (L.) Ach.		T		H		
<i>Parmelia saxatilis</i> (L.) Ach.	A	T	S	H	L	
<i>Parmelia squarrosa</i> Hale	A	T		H		
<i>Parmelia sulcata</i> Taylor		T				
<i>Parmeliella corallinoides</i> (Hoffm.) Zahlbr.			S			
<i>Parmeliella pannosa</i> (Sw.) Nyl.						M
<i>Parmelina quercina</i> (Willd.) Hale		T				
<i>Parmelinopsis horrescens</i> (Taylor) Elix & Hale		T		H		
<i>Parmelinopsis minarum</i> (Vainio) Elix & Hale	A	T	S		L	
<i>Parmeliopsis ambigua</i> (Wulfen) Nyl.						M
<i>Parmotrema arnoldii</i> (Du Rietz) Hale		T	S	H		
<i>Parmotrema austrosinense</i> (Zahlbr.) Hale	A					M

<i>Parmotrema chinense</i> (Osbeck) Hale & Ahti	A	T	S	H		
<i>Parmotrema crinitum</i> (Ach.) M. Choisy		T	S	H		
<i>Parmotrema cristiferum</i> (Taylor) Hale		T				
<i>Parmotrema dilitatum</i> (Vainio) Hale	A	T			L	
<i>Parmotrema gardneri</i> (C.W. Dodge) Serus	A	T				
<i>Parmotrema hypotropum</i> (Nyl.) Hale	A	T		H	L	
<i>Parmotrema mellissii</i> (C.W. Dodge) Hale						M
<i>Parmotrema michauxianum</i> (Zahlbr.) Hale	A	T			L	
<i>Parmotrema perforatum</i> (Jacq.) Massal.	A	T			L	
<i>Parmotrema praesorediosum</i> (Nyl.) Hale AAFB 755	A					**
<i>Parmotrema rampoddense</i> (Nyl.) Hale	A				L	
<i>Parmotrema stuppeum</i> (Taylor) Hale	A	T		H		
<i>Parmotrema tinctorum</i> (Delise ex Nyl.) Hale		T				
<i>Parmotrema ultralucens</i> (Krog) Hale	A	T			L	
<i>Parmotrema xanthinum</i> (Mull. Arg.) Hale		T				
<i>Parmotremopsis antillensis</i> (Nyl.) Elix & Hale						M
<i>Peltigera canina</i> (L.) Willd.	A	T	S	H		
<i>Peltigera degenii</i> Gyelnik						M
<i>Peltigera didactyla</i> (With.) J.R. Laundon		T				
<i>Peltigera horizontalis</i> (Hudson) Baumg.	A	T		H		
<i>Peltigera hymenina</i> (Ach.) Delise						M
<i>Peltigera leucophlebia</i> (Nyl.) Gyelnik						M
<i>Peltigera membranacea</i> (Ach.) Nyl.		T				
<i>Peltigera polydactylon</i> (Necker) Hoffm.	A	T	S	H	L	
<i>Peltigera praetextata</i> (Florke ex Sommerf.) Zopf	A					M
<i>Peltigera rufescens</i> (Weiss) Humb.		T	S			
<i>Pertusaria albescens</i> (Hudson) M. Choisy & Werner		T				
<i>Pertusaria amara</i> (Ach.) Nyl.	A	T	S			M
<i>Pertusaria coriacea</i> (Th. Fr.) Th. Fr						M
<i>Pertusaria leioplaca</i> DC.	A	T				
<i>Pertusaria macounii</i> (Lamb) Dibben			S			M
<i>Pertusaria multipunctoides</i> Dibben	A					M
<i>Pertusaria neoscotica</i> Lamb	A					M
<i>Pertusaria ophthalmiza</i> (Nyl.) Nyl. AAFB 237	A					**
<i>Pertusaria ostiolata</i> Dibben	A					M
<i>Pertusaria paratuberculifera</i> Dibben	A					M
<i>Pertusaria propinqua</i> Mull. Arg.						M
<i>Pertusaria pustulata</i> (Ach.) Duby						M
<i>Pertusaria rubefacta</i> Erichsen	A					M
<i>Pertusaria</i> sp.	A					
<i>Pertusaria subpertusa</i> Brodo AAFB 664	A					**
<i>Pertusaria texana</i> Mull. Arg.	A					M
<i>Pertusaria trachythallina</i> Erichsen	A	T	S			M
<i>Pertusaria valliculata</i> Dibben AAFB 1224	A					**
<i>Pertusaria velata</i> (Turner) Nyl.	A	T	S			M
<i>Pertusaria waghornei</i> Hulting	A	T				M
<i>Phaeographis lobata</i> (Eschw.) Mull. Arg. AAFB 521	A					**

<i>Phaeographis sericea</i> (Eschw.)Mull. Arg. AAFB 630	A									**
<i>Phaeographis</i> sp.	A									
<i>Phaeophyscia cernohorskyi</i> (Nadv) Essl.	A								M	
<i>Phaeophyscia ciliata</i> Moberg	A		S			L				
<i>Phaeophyscia endococcina</i> (Korber) Moberg									M	
<i>Phaeophyscia hirtella</i> (Hoffm.) Essl.	A								M	
<i>Phaeophyscia hispidula</i> (Ach.) Essl. AAFB 531	A									**
<i>Phaeophyscia imbricata</i> (Vainio) Essl.	A					L				
<i>Phaeophyscia orbicularis</i> (Necker) Moberg		T	S		H	L				
<i>Phaeophyscia pusilloides</i> (Zahlbr.) Essl.	A				H					
<i>Phaeophyscia rubropulchra</i> (Degel.) Moberg	A	T								
<i>Phlyctis</i> sp.	A									
<i>Phyllopsora parvifolia</i> (Pers.) Mull. Arg.									M	
<i>Physcia adscendens</i> (Fr.) H. Olivier									M	
<i>Physcia aipolia</i> (Ehrh. ex Humb.) Furnr.	A		S							
<i>Physcia americana</i> G.Merr.	A	T				L				
<i>Physcia dubia</i> (Hoffm.) Lettau AAFB 1235	A									**
<i>Physcia halei</i> J.W. Thomson									M	
<i>Physcia millegrana</i> Degel.	A					L				
<i>Physcia phaea</i> (Tuck.) J.W. Thomson			S							
<i>Physcia pseudospeciosa</i> J.W. Thomson	A								M	
<i>Physcia sorediosa</i> (Vainio) Lynge AAFB 675	A									**
<i>Physcia stellaris</i> (L.) Nyl.		T	S		H					
<i>Physcia subtilis</i> Degel.			S							
<i>Physcia wainioi</i> Rasanen			S							
<i>Physciella cloantha</i> (Ach.) Essl.	A								M	
<i>Pilophorus cereolus</i> (Ach.) Th. Fr.									M	
<i>Placynthiella uliginosa</i> (Shrader) Coppins & P. James		T	S							
<i>Placynthium stenophyllum</i> (Tuck.) Fink									M	
<i>Plastimatia lacunosa</i> (Ach.) Culb. & C. Culb.		T								
<i>Platismatia glauca</i> (L.) Culb. & C. Culb.		T	S		H				M	
<i>Platismatia tuckermanii</i> (Oakes) Culb. & C. Culb.	A	T	S		H					
<i>Polyblastia cupularis</i> A. Massal.			S						M	
<i>Polysporina simplex</i> (Davies) Vezda			S							
<i>Porina cestrensis</i> (Tuck. ex. Michener) Mull. Arg.									M	
<i>Porina heterospora</i> (Fink) R.C. Harris	A								M	
<i>Porina</i> sp.	A									
<i>Porpidia albocaerulescens</i> (Wulfen) Hert. & Knoph	A	T	S							
<i>Porpidia crustulata</i> (Ach.) Hertel & Knoph	A	T	S							
<i>Porpidia grisea</i> Gowan									M	
<i>Porpidia herteliana</i> Gowan AAFB 1051	A									**
<i>Porpidia macrocarpa</i> (DC.) Hertel & A.J. Schwab		T	S							
<i>Porpidia</i> sp.	A									
<i>Porpidia speirea</i> (Ach.) Kremp.		T								
<i>Protoblastenia calva</i> (Dickson) Zahlbr.									M	
<i>Protoblastenia rupestris</i> (Scop.) J. Steiner AAFB 461	A									**
<i>Protoparmelia badia</i> (Hoffm.) Hafellner									M	
<i>Pseudevernia cladonia</i> (Tuck.) Hale & Culb.		T	S		H					

<i>Pseudevernia consocians</i> (Vainio) Hale & Culb.		T	S	H		
<i>Pseudocyphallaria aurata</i> (Ach.) Vainio	A					M
<i>Pseudocyphellaria crocata</i> (L.) Vainio			S	H		
<i>Psilolechia lucida</i> (Ach.) M. Choisy		T				
<i>Psora russellii</i> (Tuck.) A. Schneider						M
<i>Psorula rufonigra</i> (Tuck.) Gotth. Schneider						M
<i>Punctelia appalachensis</i> (Culb.) Krog		T		H		M
<i>Punctelia bolliana</i> (Mull. Arg.) Krog	A	T	S			
<i>Punctelia borreri</i> (Sm.) Krog		T				
<i>Punctelia hypoleucites</i> (Nyl.) Krog AAFB 1345	A					**
<i>Punctelia missouriensis</i> Wilhelm & Ladd	A					M
<i>Punctelia reddenda</i> (Stirton) Krog				H		
<i>Punctelia rudecta</i> (Ach.) Krog	A	T		H		
<i>Punctelia subrudecta</i> (Nyl.) Krog	A	T		H		
<i>Pyrenopsis sanguinea</i> Anzi			S			
<i>Pyremula citrififormis</i> R.C. Harris AAFB 1196	A					**
<i>Pyremula concatervans</i> (Nyl.) R.C. Harris						M
<i>Pyremula pseudobufonia</i> (Rehm) R.C. Harris	A					M
<i>Pyremula punctella</i> (Nyl.) Trevisan AAFB 490	A					**
<i>Pyremula</i> sp.		T				
<i>Pyrrhospora russula</i> (Ach.) Hafellner	A	T				M
<i>Pyrrhospora varians</i> R.C. Harris	A					M
<i>Pyxine caesiopruinosa</i> (Tuck.) Imshaug	A				L	
<i>Pyxine soledata</i> (Ach.) Mont.	A		S	H	L	
<i>Ramalina americana</i> Hale	A				L	
<i>Ramalina farinacea</i> (L.) Ach.						M
<i>Ramalina intermedia</i> (Delise ex Nyl.) Nyl.				H		
<i>Ramalina montagnei</i> De Not.						M
<i>Ramalina</i> sp.	A		S			
<i>Rhizocarpon distinctum</i> Th.Fr.						M
<i>Rhizocarpon eupetraeum</i> (Nyl.) Arnold			S			
<i>Rhizocarpon grande</i> (Florke ex Flotow) Arnold			S			
<i>Rhizocarpon hochstetteri</i> (Korber) Vainio						M
<i>Rhizocarpon obscuratum</i> (Ach.) Massal.						M
<i>Rimelia cetrata</i> (Ach.) Hale & Fletcher	A					M
<i>Rimelia reticulata</i> (Taylor) Hale & Fletcher	A	T	S	H	L	
<i>Rimelia simulans</i> (Hale) Hale & Fletcher		T				
<i>Rimelia subisidiosa</i> (Mull. Arg.) Hale & Fletcher	A	T			L	
<i>Rimeliella subtinctoria</i> (Zahlbr.) Kurok	A				L	
<i>Rinodina ascociscana</i> Tuck.			S			
<i>Rinodina chrysomelaena</i> Tuck.			S			
<i>Rinodina confragosa</i> (Ach.) Koerber			S			
<i>Rinodina exigua</i> (Ach.) Gray	A		S			
<i>Rinodina tephraeaspis</i> (Tuck.) Herre			S			
<i>Rinodina willeyii</i> Sheard & Giralt						M
<i>Ropalospora chlorantha</i> (Tuck.) S. Ekman			S			
<i>Sarcogyne regularis</i> Korber AAFB 996	A					**

<i>Schismatomma pericleum</i> (Ach.) Branth & Rostrup						M
<i>Scoliciosporum umbrinum</i> (Ach.) Arnold			S			M
<i>Staurothele diffractella</i> (Nyl.) Tuck.						M
<i>Staurothele tenuissima</i> Degel			S			
<i>Stereocaulon dactylophyllum</i> Florke					H	
<i>Stereocaulon pileatum</i> Ach.					H	
<i>Stereocaulon tennesseense</i> H. Magn. ex Degel			S		H	
<i>Sticta fuliginosa</i> (Hoffm.) Ach.			S		H	
<i>Sticta weigeliai</i> Vainio			S		H	
<i>Teloschistes exilis</i> (Michaux) Vainio						M
<i>Thelidium pyrenophorum</i> (Ach.) Mudd	A					M
<i>Thelocarpon laureri</i> (Flotow) Nyl. AAFB 92	A					**
<i>Thelotrema subtile</i> Tuck.		T	S			
<i>Thermutis velutina</i> (Ach.) Flotow			S			
<i>Thyrea girardii</i> (Durieu & Mont.) Bagl. & Carestia						M
<i>Toninia aromatica</i> (Sm.) A. Massal.	A					**
<i>Trapelia coarctata</i> (Sm.) Choisy						M
<i>Trapelia involuta</i> (Taylor) Hertel AAFB 794	A					**
<i>Trapelia placoides</i> Coppins & P. James						M
<i>Trapeliopsis flexuosa</i> (Fr.) Coppins & P. James AAFB 24	A					**
<i>Trapeliopsis granulosa</i> (Hoffm.) Lumbsch.		T				
<i>Trypethelium virens</i> Tuck. ex Michener	A		S			
<i>Tuckermannopsis americana</i> (Sprengel) Hale						M
<i>Tuckermannopsis ciliaris</i> (Ach.) Gyelnik		T	S		H	
<i>Tuckermannopsis orbata</i> (Nyl.) M.J. Lai		T			H	
<i>Umbilicaria caroliniana</i> Tuck.					H	
<i>Umbilicaria mammulata</i> (Ach.) Tuck.					H	
<i>Umbilicaria muehlenbergii</i> (Ach.) Tuck.		T			H	
<i>Umbilicaria vellea</i> (L.) Hoffm.						M
<i>Usnea cavernosa</i> Tuck.			S			
<i>Usnea ceratina</i> Ach. A					H	
<i>Usnea filipendula</i> Stirton						M
<i>Usnea fragilescens</i> var. <i>mollis</i> (Vainio) Clerc					H	
<i>Usnea hesperina</i> Mot.					H	
<i>Usnea mutabilis</i> Stirton	A					M
<i>Usnea pensylvanica</i> Mot.						M
<i>Usnea rubicunda</i> Stirton	A					M
<i>Usnea</i> sp.	A					
<i>Usnea strigosa</i> (Ach.) Eaton	A				H	L
<i>Usnea subfloridana</i> Stirton					H	
<i>Usnea subfusca</i> Stirton					H	
<i>Usnea trichodea</i> Ach.					H	
<i>Usnea tristis</i> Mot.						M
<i>Verrucaria aethiobola</i> Wahlenb.						M
<i>Verrucaria illinoisensis</i> Servit	A					**
<i>Verrucaria marmorea</i> (Scop.) Arnold						M
<i>Verrucaria ruderella</i> Nyl.						M

<i>Verrucaria</i> sp.	A					
<i>Verrucaria submuralis</i> Nyl.						M
<i>Vulpicida viridis</i> (Schwein.) J.E. Mattsson & M.J. Lai	A	T				
<i>Xanthoparmelia conspersa</i> (Ehrh. ex Ach.) Hale		T	S	H		
<i>Xanthoparmelia cumberlandia</i> (Gydnik) Hale				H	L	
<i>Xanthoparmelia plittii</i> (Gyelnk) Hale	A	T		H		
<i>Xanthoparmelia somloensis</i> (Gyelnk) Hale				H		
<i>Xanthoparmelia subramigera</i> (Gyelnk) Hale						M
<i>Xanthoparmelia taractica</i> Hale						M
<i>Xanthoria candelaria</i> (L.) Th. Fr.						M
<i>Xanthoria fallax</i> (Hepp.) Arnold						M
<i>Xanthoria polycarpa</i> (Hoffm.) Rieber				H		

Total number species reported from Tennessee: 569

Number species reported from Arnold Air Force Base (Ciegler):	215
Number species in University of Tennessee Herbarium:	207
Number species reported from Smoky Mountains (Degelius):	159
Number species reported from High Appalachians (Dey):	139
Number species reported from Land between the Lakes (Phillips):	42
Number miscellaneous species reported:	136
Number New State Records:	64



Ciegler, Alex. 1999. "A catalogue of Tennessee lichens, revisited." *Evansia* 16(3), 113–129. <https://doi.org/10.5962/p.346812>.

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