

**Lichens seen on NEBC LICHEN WALK, June 5, 2004**

**Compiled by Elizabeth Kneiper**

**This lichen list is of the species and genera we saw and/or discussed on our walk on the Manchester and Essex Wilderness Conservation Property. [Massachusetts, USA]**

- Acarospora fuscata* -brown cobblestone lichen (acid rock)  
*Amandinea punctata* -tiny button lichen, (on smooth barked oak)  
*Arthonia radiate* -asterisk lichen (on young oak)  
*Aspicilia cinerea* -cinder lichen (acid rock)  
*Aspicilia caesiocinerea* -sunken disc lichen (acid rock)  
*Aspicilia verrucigera* -sunken disc lichen (acid rock)  
*Bryoria furcellata* -burred horsehair lichen (on birch)  
*Cetrelia chicitae* -sea -storm lichen (on moss over rock)  
*Cladonia arbuscula* -reindeer lichen (sunny rock outcrops)  
*Cladonia bacillaris* -lipstick powderhorn (logs, stumps, base of trees)  
*Cladonia chlorophaea* -mealy pixie-cup (soil ?)  
*Cladonia coniocraea* -common powderhorn (soil, lignin, bark)  
*Cladonia crispata* -organ-pipe lichen (soil)  
*Cladonia grayi* -cupped Cladonia (base of trees, on logs and stumps)  
*Cladonia incrassate* -powder-foot British soldiers (old stump)  
*Cladonia macilenta* -lipstick powder horn (base of trees, stumps)  
*Cladonia rangiferina* -gray reindeer lichen (exposed rock outcrop)  
*Cladonia squamosa* -dragon cladonia, dragon funnel ( soil)  
*Cladonia uncialis* -thorn lichen (exposed outcrop)  
*Dimelaena oreina* -golden moonglow lichen (acid rock)  
*Evernia mesomorpha* -boreal oakmoss lichen (on birch, oak, maple and pine)  
*Flavoparmelia baltimorensis* -rock greenshield lichen (rock outcrop)  
*Flavoparmelia caperata* -common greenshield lichen (oak, maple, ash, blueberry)  
*Graphis scripta* -common script lichen (maple, oak)  
*Hypogymnia physodes* -monk's hood lichen, hooded tube lichen, puffed lichen (on maple, oak)  
*Inshaugia aleurites* -salted starburst lichen (on pine)  
*Lasallia papulosa* -common toadskin lichen (on outcrops and boulders)  
*Lecanora caesiorubella* sbsp. *prolifera* ( maple, oak)  
*Lecanora hybocarpa* -bumpy rim lichen (maple, oak)  
*Lepraria neglecta* -zoned dust lichen (acid rock)  
*Loxospora pustulata* -postule crustose lichen (oak)  
*Melanelia subaurifera* -abraded camouflage lichen  
*Mycocalicium subtile* -stubble "lichen" (on lignicolous snag, a saprophytic fungus related to lichens)  
*Parmelia saxatilis* -salted shield lichen, crottle (rock, moss, trees)  
*Parmelia sulcata* -hammered shield lichen( trees, shrubs)  
*Pertusaria amara* -bitter wart lichen (maple)  
*Pertusaria xanthodes* -volcano wart lichen (oak)  
*Phaeocalicium polyporaeum* -a stubble "lichen" (a saprophytic lichen related to lichens)  
*Physcia adscendens* -hooded rosette lichen (on maple)  
*Physcia millegrana* -mealy rosette lichen (on oak, maple)

*Physcia stellaris* -star rosette lichen (on maple)  
*Placynthiella uliginosa* -tar spot lichens (soil)  
*Polysporina simplex* - common coal-dust lichen (acid rock)  
*Porpidia albocaerulescens* -smoky-eye boulder lichen ( acid boulders)  
*Psilolechia lucida* -sulphur dust lichen (on rock ledges)  
*Punctelia rudecta* -rough speckled shield lichen  
*Punctelia subrudecta* -powdered speckled shield lichen (on maple, oak)  
*Pyrrhospora varians* -crimson dot lichens (on maple, oak)  
*Rhizocarpon rubescens* -“gray” map lichen (on outcrop)  
*Sarcogyne clavus* -grain-spored lichens (acid rock)  
*Stereocaulon saxatile* -rock foam lichens, eater lichens ( on boulder)  
*Trapeliopsis viridescens* -(on well-rotted wood)  
*Umbilicaria mammulata* -smooth rock tripe (on rock ledges and glacial erratics)  
*Umbilicaria muehlenbergii* -plated rock tripe (on granite boulders)  
*Usnea strigosa* -bushy bear lichen (on birch, maple and pine)  
*Usnea subfloridana* -beard lichens (pine)  
*Xanthoparmelia conspersa* -peppered rock-shield (boulders, rock ledges)  
*Xanthoparmelia sömloensis* -shingled rock-shield (acid rocks)

**+/- Twenty Key Lichen Terms:**

1. The lichen thallus: foliose (leafy, stratified and unstratified), fruticose (bushy or pendent), crustose (encrusting) and squamulose (scale-like, a squamule)
2. Apothecia (site of fungal spores production) Rimmed apothecia(thalline margin), rimless apothecia (biatorine or lecideine) and perithecia ( vase shaped, immersed, pores)
3. Soralia (where soredia are formed, asexual bundles of algae and hyphae) A sorediate lichen.
4. Isidia (outgrowths of thallus containing cortex, algae and fungi)  
An isidiate lichen.
5. Rhizines, holdfasts and an umbilicus.
6. Substrates: soil (terricolous), bark (lignicolous) rock (saxicolous), lignin (lignicolous) and moss (muscolous)
7. Lichen colors: yellow, orange, brown, grey, black, yellow- green.
8. Pseudocyphellae ( white dots, pores, lines)
9. Pycnidia (black dots, raised black “pots on Cladonia)
10. Podetia with red or brown apothecia on Cladonia species