

December 8: Black Run Preserve, Burlington County, NJ

This early winter trip drew twenty people, including Sophia BenJeddi (a moss expert) and several experts in fungi from the Philadelphia Mycology Club.

After passing through weedy flora near the parking lot, we botanized lowland habitats along a chain of ponds. These habitats included sphagnum bogs bordering the ponds and a few white cedar swamps that were small but contained mature white cedars.

We saw classic New Jersey pine barrens flora, including *Pinus rigida* (pitch pine), *Quercus mariana* (blackjack oak), *Quercus stellata* (post oak), *Clethra alnifolia* (sweet pepperbush), *Ilex glabra* (inkberry), *Anatherum glomeratum* (syn. *Andropogon glomeratus*; bushy bluestem), and ericaceous shrubs (*Chamaedaphne calyculata*, *Kalmia angustifolia*, *Kalmia latifolia*, *Lyonia ligustrina*, *Rhododendron viscosum*, and *Vaccinium* spp.). *Xerophyllum asphodeloides* (turkey-beard) was abundant.

We also saw plants typical of the margins of the pine barrens, such as *Quercus phellos* (willow oak), *Quercus alba* (white oak), *Quercus mariana* (black oak), *Acer rubrum* (red maple), *Diospyros virginiana* (persimmon), and *Aronia arbutifolia* (red chokeberry).

Perhaps the most unusual plant was *Elephantopus carolinianus* (elephant's foot), which grew in a good-sized patch at the edge of the trail. Our mycologically inclined participants noted numerous fungi, including several common (and commonly overlooked) rusts. The full species list is below. Individual observations during our trip can be found on iNaturalist at:

[https://www.inaturalist.org/observations?nelat=39.84835630304824&nelng=-74.88461307028808&on=2024-12-08&subview=table&swlat=39.83337453625063&swlng=-74.90484032253418&taxon\\_id=48460](https://www.inaturalist.org/observations?nelat=39.84835630304824&nelng=-74.88461307028808&on=2024-12-08&subview=table&swlat=39.83337453625063&swlng=-74.90484032253418&taxon_id=48460)

Attendance: 20

Trip report by the leader, Janet Novak

Species Noted

Phenology: fr=fruit; fl=flowers

Name:	Phenology	Notes
<b>Vascular Plants</b>		
<i>Acer rubrum</i>		
<i>Ageratina altissima</i>		
<i>Alliaria petiolata</i>		
<i>Anatherum glomeratum</i>		syn. <i>Andropogon glomeratus</i>
<i>Anatherum virginicum</i>		syn. <i>Andropogon virginicus</i>
<i>Apocynum sp.</i>		
<i>Aronia arbutifolia</i>		
<i>Artemisia vulgaris</i>		
<i>Betula populifolia</i>		
<i>Bidens trichospermum</i>	fr	
<i>Cephalanthus occidentalis</i>		
<i>Chamaecyparis thyoides</i>		
<i>Chamaedaphne calyculata</i>		
<i>Chasmanthium laxum</i>		
<i>Chimaphila maculata</i>		
<i>Clethra alnifolia</i>	fr	
<i>Cuscuta sp.</i>		
<i>Cyperus sp.</i>		
<i>Decodon verticillaris</i>		
<i>Deutzia crenata</i>		
<i>Dichanthelium sp.</i>		
<i>Diospyros virginiana</i>		
<i>Elephantopus carolinianus</i>	fr	
<i>Elymus sp.</i>		
<i>Eriophorum virginicum</i>	fr	
<i>Eubotrys racemosa</i>		
<i>Euthamia caroliniana</i>		
<i>Fagus grandifolia</i>		
<i>Gaultheria procumbens</i>		
<i>Glechoma hederacea</i>		
<i>Glyceria obtusa</i>		
<i>Helianthus angustifolius</i>		
<i>Hypericum canadense</i>	fr	
<i>Hypericum stragulum</i>	fr	
<i>Hypericum virginicum</i>	fr	syn. <i>Triadenum virginicum</i>

<i>Ilex glabra</i>		
<i>Ilex opaca</i>		
<i>Juncus canadensis</i>		
<i>Juncus sp.</i>		<i>Juncus pylaei?</i>
<i>Juncus tenuis?</i>		
<i>Juniperus virginiana</i>		
<i>Kalmia angustifolia</i>		
<i>Kalmia latifolia</i>		
<i>Liquidambar styraciflua</i>	fr	
<i>Liriodendron tulipifera</i>		
<i>Lobelia sp.</i>	fr	
<i>Lonicera japonica</i>		
<i>Lonicera sp.</i>		
<i>Ludwigia alternifolia</i>	fr	
<i>Lycopodiella alopecuroides</i>		
<i>Lyonia ligustrina</i>	fr	
<i>Magnolia virginiana</i>		
<i>Malus sp.</i>		
<i>Mitchella repens</i>		
<i>Morella sp.</i>		
<i>Nyssa sylvatica</i>		
<i>Oenothera sp.</i>	fr	probably <i>O. biennis</i>
<i>Osmundastrum cinnamomeum</i>		
<i>Panicum virgatum</i>	fr	
<i>Persicaria perfoliata</i>		
<i>Pinus rigida</i>		
<i>Platanus occidentalis</i>		
<i>Prunus serotina</i>		
<i>Pteridium aquilinum</i>		
<i>Quercus alba</i>		
<i>Quercus mariana</i>		
<i>Quercus montana</i>		
<i>Quercus phellos</i>		
<i>Quercus stellata</i>		
<i>Rhexia virginica</i>	fr	
<i>Rhododendron viscosum</i>		
<i>Rosa multiflora</i>		
<i>Rubus sp.</i>		
<i>Sassafras albidum</i>		
<i>Sceptridium dissectum</i>		syn. <i>Botrychium dissectum</i>

*Schizachyrium scoparium*  
*Scirpus cyperinus*  
*Smilax glauca*  
*Smilax rotundifolia*  
*Solidago canadensis* or *S. altissima*  
*Solidago rugosa*  
*Symphotrichum* sp. fr  
*Utricularia* sp.  
*Vaccinium corymbosum* s.l.  
*Vaccinium macrocarpon*  
*Viola primulifolia*  
*Xerophyllum asphodeloides*  
*Xyris* sp. fr

### **Mosses**

*Atrichum angustatum*  
*Aulacomnium palustre* in wetter areas, intermixed with *Sphagnum* sp.  
*Brachythecium* sp.  
*Bryum argenteum*  
*Callicladium imponens* formerly *Hypnum*  
*Ceratodon purpureus*  
*Dicranum* sp. Likely *D. scoparium*, *D. fuscescens*, and *D. flagellare* present  
*Fissidens* sp.  
*Leucobryum glaucum*  
*Orthotrichum* sp.  
*Plagiomnium cuspidatum*  
*Pogonatum urnigerum*  
*Polytrichum* sp. likely *P. piliferum* and *P. juniperinum*  
*Sphagnum cuspidatum* Comment from Sophia BenJeddi: Lots of other *Sphagnum* species present here, but could not ID in the field.  
*Sphagnum palustre* field ID  
*Ulota* sp.

## Liverworts

*Frullania dilatata*

Comment from Sophia BenJeddi: "Purple ribbon-like liverwort on tree bark and rock. This is a great host for the bryophilous fungus *Bryocentria* (infects developing perianths)."

*Pallavicinia lyellii*

## Lichens

*Punctelia rudecta*

*Usnea sp.*

## Fungi

*Amphilogia gyrosa*

*Biscogniauxia atropunctata*

*Claviceps sp.*

*Cryptomycina pteridis*

on *Pteridium aquilinum*

*Dacrymyces spp.*

*Exidia spp.*

*Fomitopsis betulina*

syn. *Piptoporous betulina*

*Fuscoporia gilva*

*Ganoderma curtisii*

*Ganoderma lobatum*

*Hydnoporia olivacea*

*Irpex lacteus*

*Laccaria spp.*

*Macroderma curtisii*

on *Ilex opaca*

*Mycosphaerella sp.*

*Phaeocalicium polyporaeum*

on *Trichaptum bifforme*

*Phlebia tremellosa*

*Porodaedalea pini*

*Rhytisma punctatum*

on *Quercus montana* leaf

*Rhytisma vaccinii*

on blueberry leaf

*Trametes betulina*

*Tremella mesenterica*

*Trichaptum bifforme*

*Tricholoma sp.*