A Practical Application of Lichenology for Urban Livability---Lichens as Canaries in the Coal Mine

By Daniel Salomon

How polluted is the air in your neighborhood? Look for the presence/absence of this pollution-tolerant lichen---*Xanthoria*?

*Xanthoria* is golden colored crust lichen. Take into account that this species of lichen can also grow in areas with bird dropping. It is important to separate whether this species of lichen is present because the air in your neighborhood is polluted or because there is an abundance of birds in a particular place like a tree where birds roast.

Are there any lichens in your neighborhood at all?

The presence/absence of lichens in your neighborhood can also determine the air quality of your neighborhood because some species of lichens are sensitive to air pollution and need clean air to survive. (Peter McCoy, *Radical Mycology-A Treatise on Seeing and Working with Fungi*).
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Bibliography on Moses, Lichens and Liverworts by Daniel Salomon

Places to Go Around the Portland Area to See Moses, Lichens and Liverworts by Daniel Salomon

- Cooper Mountain: A good place to see Apple Moss which grows in open prairie.
- Goose Hollow: A good place to see liverworts, as well as mosses and lichens in the city. A good walking tour is the start at the Goose Hollow Max Station, there is a stand of lung liverworts growing on the lawn of First Methodist Church. Turn left past two Oregon heritage trees, walk up the staircases to SW Market and make a right turn and walk the road to SW Vista Ave and make a right turn. Walk over the Vista Bridge. Check out all the mosses and lichens growing on the Vista Bridge. Make an immediate right into the historic King’s Hill Neighborhood. On your right—there will be another hidden staircase. Walk down this hidden staircase which is more like a walking ramp and you will find a stand of the less common hard-scale liverwort. In fact, you will find mosses, lichens and liverworts throughout Goose Hollow. Just keep your eyes peeled.
- Hoyt Arboretum: A good place to see mosses, lichens and horsetails. One of the best places to see mosses and lichens is around the Hoyt Visitor Center, parking lot, trail around visitor center and the Overlook Trail. The Spruce and Fir trails are particular good places to see hanging hair lichens. Bray Lane has some impressive stand of horsetails. Also many of the drainage lawns around the Hoyt are also excellent places to see whole stands of horsetails. A stand of horsetails also comes up each year in the witch-hazel garden across the street from the Vietnam Memorial.
- Japanese Garden: Moses, lichens and liverworts are protected as a valued and integral part of their collection, where visitors are even prohibited from touching all plants including mosses, lichens and liverworts. You can even buy mosses to take home to your own garden or apartment as a curiosity at their gift shop.
- Oregon Zoo Max Station: A good place to see crust lichens growing on the surrounding rock gardens.
- Pittock Mansion and Sanctuary: A good place for mosses, lichens, liverworts and horsetails. Walk the main road to the mansion from Burnside and you have a good chance of seeing some liverwort stands and a stand of horsetails. Explore the house and grounds. There are even mosses and lichens growing on the mansion. Look into the deep rainforests surrounding the mansion and you will see tapestries of mosses.
- Portland Florists: Many Portland florists sell moss as a curiosity plant.
- Silver Falls State Park: A hotspot for mosses, lichens and liverworts of all kinds.

Best time of the year: Portland’s Rainy Season. Worst time of the year: Portland’s Dry Season.