

# Microwaves

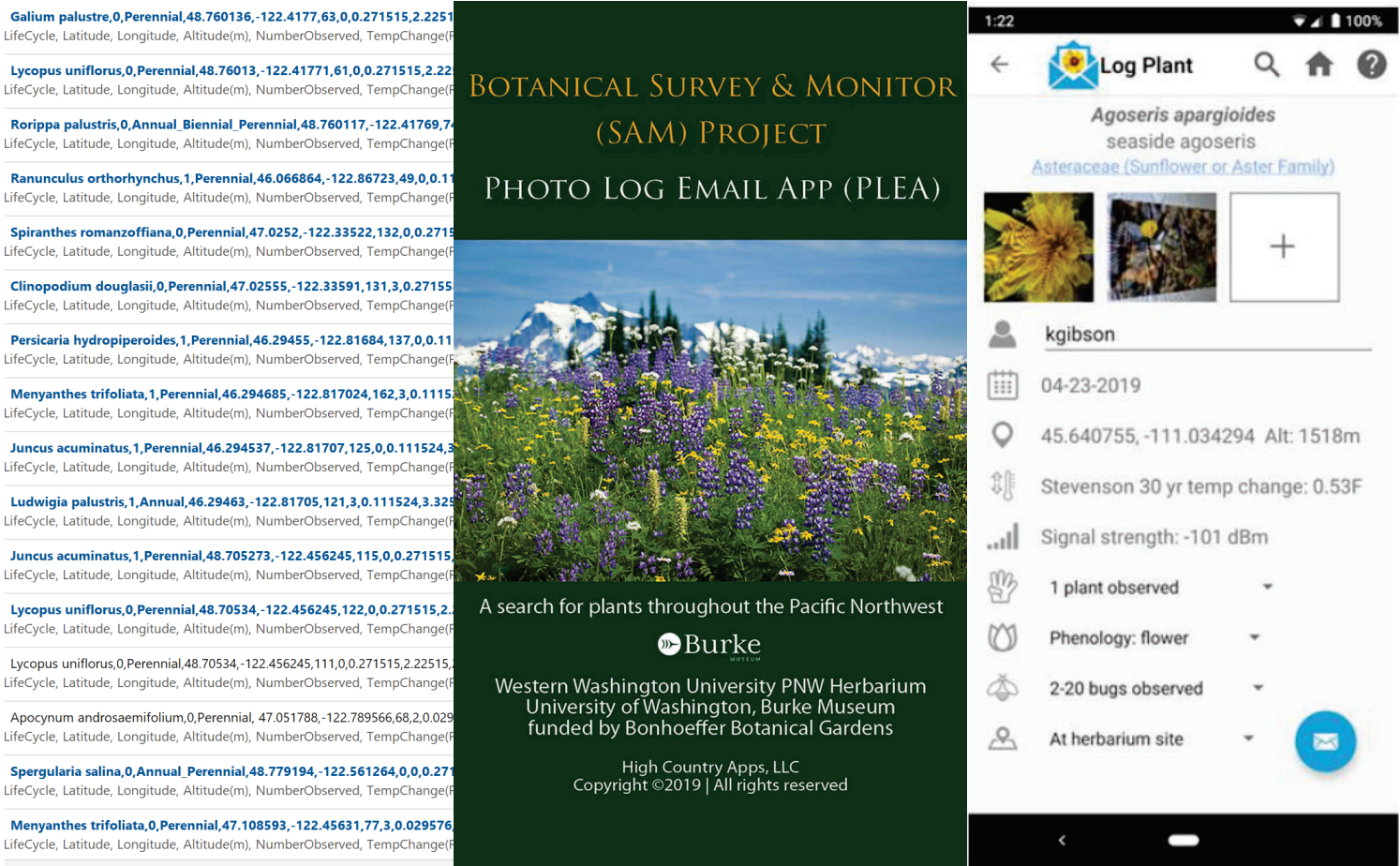
Belgium halted a 5G test in Brussels because of radiation. Switzerland is taking steps to monitor 5G's impact on people. 5G will require up to 5x the amount of infrastructure as 3G or 4G. Not only will there be more 5G towers transmitting signals, but they will have to be closer to people. These high-band frequencies are non-ionizing. Non-ionizing radiation is thought to not have enough energy to break apart DNA and directly cause changes to cells that could lead to cancer as does too much exposure to the Sun and the over-use of X-rays. The truth is that no one knows. There is no data. Proof of causation may be indirect; e.g., we know 3G heats chitin exoskeletons, making pollinators more susceptible to fungi, leading to loss of annual native plants.

## Legends & Lessons

Picture summer WWU Survey and Monitor Project ("SAM") students with sleeping bags and tents marching north from the Siskiyou to BC, from sub-alpine at 3,500' to sea-level, inventorying plant species from historic herbaria geo-references. They started with a list of 450+ native plants to Photo, Log & e-mail with an IOS/Android App ("PLEA"). 2018's 100% Bonhoeffer Gardens' funded SAM Project findings are in; ~20% of Cascadia's native plant species have gone missing in the past 20 years!

Preliminary results from the 2019 SAM Project find 190 of the 908 targeted native plants photographed in the early 2000s are still missing! This Farm and Bonhoeffer Botanical Gardens may soon know the effect of 3G microwaves if any; **we are making history. WWU has data.**

Regressing against SAM results and/or a species' slope of decline will create a high correlation if microwaves, climate change, etc. are causal. Mathematics should not let causal effects hide.



## Ethnobotanical Gardens

Native plant “starts” from Bonnoeffer Gardens (to your SW, by the I-5) illustrate 99 foods and materials available to the American peoples who lived here 10,000 years without the need to develop agriculture. Planter boxes contain:

[illegible]