



SIGNAL DEPARTMENT

Work Report for July 2022

July 6, 2022

Museum Internet ISP AT&T

The current DSL internet connection that we use is scheduled to be discontinued by AT&T at some date (we were informed that it would be early this year); to date the DSL service is still active and working.

In May of this year, we received a new wireless router (cellular hotspot) to replace the DSL service.

On Friday July 1st, Kenneth Finnegan started working on upgrading the museum network with a new security gateway and gigabit switch for the museum's network along with installing the new AT&T internet service.

The network services were cut over to the new wireless router on Saturday morning July 2nd, and all internet service were moved to the new system.

The new wireless router is located in the window next to the Cal Zephyr sign in the Museum Store. (Please do not disturb this unit.)

Testing of the new system took place over the July 4th, weekend and it seems to be working fairly well, however it has some latency issues and is not as fast as the DSL service. Everyone must have patience with the new system. The latency was as much as 1.4 seconds. Kenneth believes he resolved the 1400ms latency issue on the new service with changes to the quality of service settings on the Ubiquiti router on Sunday.

The Museum Store did not report any large issues with the system over the three-day weekend and the processing of the Vend system or the credit card processing.

While this may not be a long-term solution for our usage, it should get us through until we get a better system installed.

The old DSL router is still active so that if anything happens to the new wireless router we can plug back into the DSL service. I expect to have this dual service only through the end of this season so that we do not have any downtime for the internet to the museum.

Please report any issues that may come up to the Signal Department email address:
signaldept@wplives.org

New Internet ISP:

The Signal Department continues to work with David Hansen and Plumas-Sierra Telecommunications to get a better internet service for the museum. This is an on-going project with a temporary solution being discussed.

I have asked David to get a quote from Plumas-Sierra Telecommunications to install fiber optic cable into the museum. This would involve installing several telephone poles and stringing fiber cable into the museum.

A temporary solution is to establish a microwave link set up ASAP is being discussed. If we cut over to the microwave service, and it's rock solid, we may never need to try and push for fiber.

Should there be any questions, please contact the signal department.

Kerry Cochran
Signal Department