

Trip to Crater Lake

Sunday October 7

Oregon forests

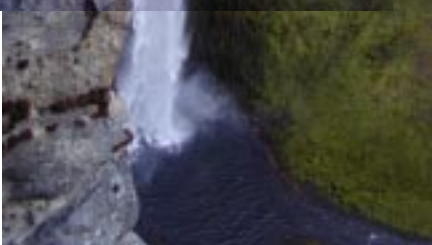
A sundog seen from the bus

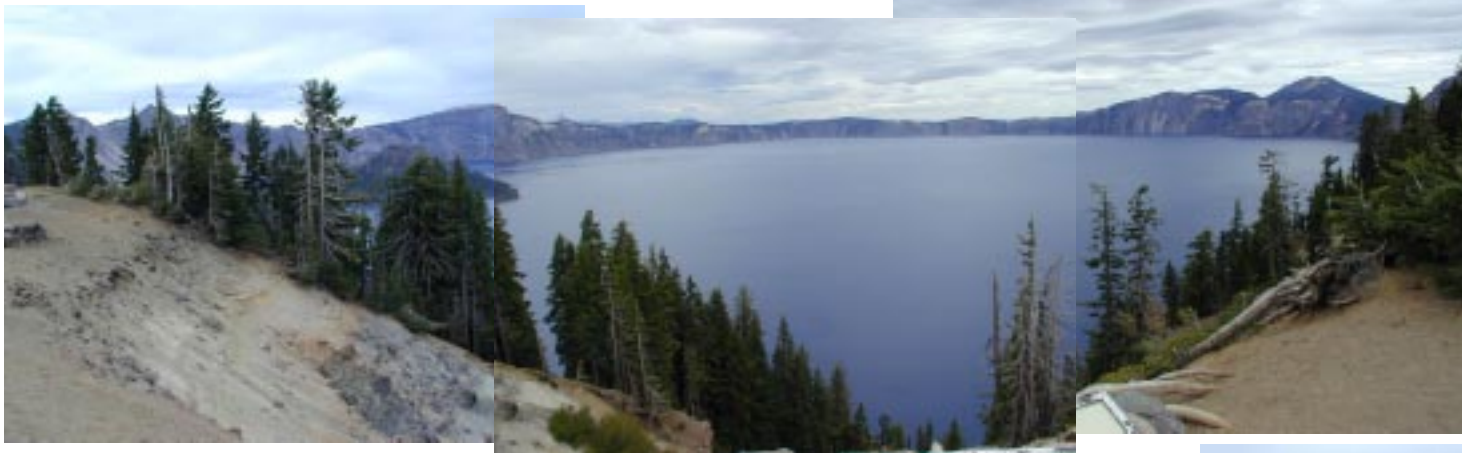
Stop to look at a waterfall.



Inspecting
pumice
sample

Pumice desert
(lower right)





Pan/collage of Crater Lake

Weather-worn snag



Wizard Island



Manning enjoying the view

Berries in season?

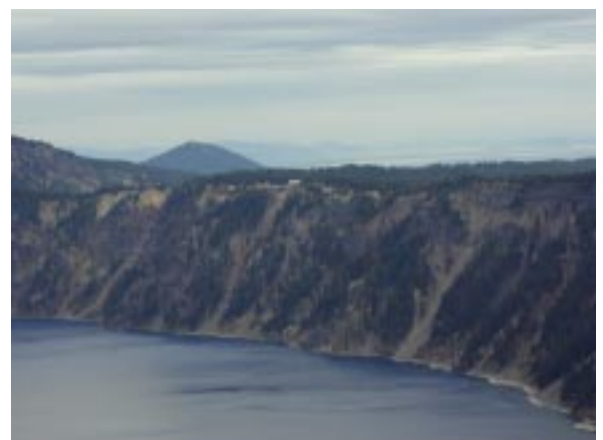




Shutterbugs

Charles Hemann takes in the vista with binoculars.

Section of the crater rim where the Lodge and Gift Store are.



Cory Stone (left) and Jim Manning (right) relax at the Lodge (above).





*Cinder cone in
Pumice Desert.*



Pine Mountain Observatory Report

Rick Kang

Over the past several months, significant software has been developed, and several sets of data have been acquired: Professor Greg Bothun of University of Oregon has developed a suite of interactive graphical Virtual Labs, written in JAVA script. These Applets let users explore the nature of light, including production and absorption of photons. These intuitive mini-labs use the real equations of physics to animate photons, waves, and spectral patterns. There is also a brand new Applet where you can view the motions and phases of the four Galilean Moons of Jupiter over a compressed period of time. See <http://jersey.uoregon.edu> to access these items, you will want a high bandwidth internet connection and a fast computer with reasonably large graphics capabilities to take full advantage of these labs.

At Pine Mountain Observatory we have taken a series of images of comet LINEAR A2 over a period of several weeks, we have series of images of Jupiter and its moons, we have pairs of images taken in the ecliptic where asteroids can be found as they move against the background stars over 24-hour periods, and many images of standard deep sky objects. We suggest using these images to add realism to a Planetarium program, the first three topics show dynamic events in space.

There is also the possibility to take your own images live from either our PIGGY 242x375 ST6 camera or from our customized 1Kx1K COWCAM camera. We will demo most of the above at the upcoming PPA conference in Eugene the week of October 1st. See <http://pmo-sun.uoregon.edu/~pmo/> for further details and to view sample images. Contact me for further info, rkang@efn.org. Rick Kang - Public Ed./ Outreach Coordinator - Friends of Pine Mtn. Obs.

**Thanks for the GREAT
Conference, Jon!**



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