Fellowship Field Trip 7-2

Pullman, Wash. July 17, 1970 (2 days)

July 1. Drove north to Spokane city limits and turned west on U.S. highway #2 to Waterville. Lunch at Waterville then further west looking for Nuxzoxite deposit described by Fautz (Del) in 1962. Site #1 sampled was west of Waterville on the old highway about 1/2 mile from the top of the bosset which runs the highway. Material sampled was thought to be Nuxzoxite but it was very dry. Concluding that a site where water ran through bosset was necessary for Nuxzoxite formation we decided to go back to Moses Coulee (east of Waterville) and look.

Sample #2 (1 quart) was taken quite high on the eastern side of the Coulee above the power lines. It was about 125 yards above a gravel pit, also about 500 yards up the road from the creek. The road turned north from highway #2 and passed through gravel pit and climbed higher. 2 pebbles taken.
Again the material sampled was so ash and resembled nootkritic but was too dry.

Realizing that we were on the wrong road we went back to Coulee City and took a highway (state south to Soap Lake from there south on state Highway 28 to Ephrata and Quincy. Several miles west of Quincy the highway slopes down to the Columbia River cutting through basalt. About a half mile before reaching the river elevation (Crescent but road turnoff) we found the Nootkritic lens. About 500 lbs of material was collected colors ranging from coal black to bright green. Pictures were taken of the site and a sketch made.

The return trip was over the same roads by which we arrived. Lodging overnight at Wenatchee.
1. Norstone in lower part
2. Ash
3. Occurs in lenses & pockets
4. Stains (blue) above and below
5. Fissure moving through ash
   Ash strongly cemented in places
6. Colors: Black, dark green, light (green) brown
7. Hardness varies from soft waxy
to hard (gray, blue or green)
8. Highly fragmented basalt some
   columns
9. Three types of ash!
10. This whole basalt flow rest on Tuff,
    or tachycteric basalt
11. Black color generally also grades into
    met green Tuff as you go back into
    the hill.