

OFFICE MEMORANDUM

TO :File

DATE: February 6, 1980

FROM :Margaret Anne Rogers, LS-6

MAR

SUBJECT :ACTIVITIES FOR JANUARY 1980

SYMBOL :LS6-80-41

1394 Report
Four percent of my time was spent talking to various people on various subjects, 49% was spent on the geologic map, 4% was spent on the "index of refraction" study, 29% was spent on discussion, reading or writing for program A415. The equivalent of 6% of my time was put in above regular working hours. I attended a talk by Scott Baldrige, "Rio Grande Rift."

At Group H-7's request I checked the proposed location of Shafts 152 and 153 for conformance with the "Guidelines for Construction and Use of Solid Waste Disposal Facilities." It appeared they met the criteria for setback from the mesa rim and height above the adjacent canyon floor.

Skip Hauth, CMB-6, has told me they are waiting for their x-ray diffraction equipment to be set up before proceeding with melting the tuff to form glass samples for the "index of refraction" study. Group P-2 has sent the results on the analyses for the "NURE" elements and Group CMB-1 has sent results on x-ray fluorescence and Si content. There are a total of 32 "NURE" elements, Sc, Cr, Fe, Co, Zn, Rb, Sb, Cs, La, Ce, Sm, Eu, Tb, Yb, Lu, Hf, Ta, Au, Th, Ha, Mg, Al, Cl, K, Ca, Ti, V, Mn, Sr, Ba, Dy, and U. X-ray fluorescence turned up 8 elements whose content in the tuff was above 5 ppm, Bi, Cu, Nb, Pb, Sn, W, As, and Zr. Si content ranged from 32.4 - 35.6%. The chemical analyses will be used to determine what caused the differences we may see in the index of refraction for the glasses. With the Si content showing up so uniform throughout the Bandelier Tuff, the hope of seeing clear differences between glass samples is fading. At any rate we are certainly building up some good background data on the chemistry of the tuff.

January 28th there was an A415 program meeting from 1:30 - 5:00 p.m. Willy Abeele, Barry Burton, Virginia Christie, Merl Wheeler, Jim Steger, Eugene Wewerka, and I attended. Proposed and in-progress activities were discussed. A final outline for the year could not be made. Another meeting will be held at the end of February.

This month I worked on Maps 17, 18, 19, 24, and 25 for the geologic map. Field checking was done on Maps 17, 18, 24, and 25

MAR:tj

cc: Eugene Wewerka, James Steger, Virginia Christie, Barry Burton
Merl Wheeler, and Willy Abeele

