

## OFFICE MEMORANDUM

TO : Wayne R. Hansen

DATE: November 2, 1977

FROM : Margaret Anne Rogers *MAR*

SUBJECT : Activities for October 1977

SYMBOL : H8-77-814

*1379 Reports*

Discussed with Roy A. Bailey (Field Geochemistry and Petrology Division, U.S.G.S.) the work he and Robert L. Smith (U.S.G.S.) have done on the Pajarito Plateau. The discussion centered on their published and yet-to-be-published formal and informal stratigraphic units. Bailey recognized the need for them to have field discussions with LASL geoscientists, but stated that such discussions could not possibly take place before the first of the year. I think the idea of having Bailey and Smith here as consultants should be pursued - perhaps trying to schedule a meeting for May or June 1978. The amount of information they have for this area which is unpublished and will remain unpublished for years is too great to be ignored by us in planning future geoscience studies on the plateau. It was agreed that Bailey could supply us some further information in the meantime by sending him photographs of particular localities on the Pajarito Plateau which he would return with notes. Since October 3rd I have been trying to arrange with ISD-7 to have these photographs taken.

ISD-7 group leader, Ken Johnson requested a meeting with us concerning the quality of photography and color printing required for geologic studies. The meeting between Johnson and various ISD-7 department heads and Wayne R. Hansen and myself was held October 18th. This meeting brought to a head 4 years of frequently frustrating interaction with ISD-7. It was agreed that high quality work was essential and that in the future proofs would be sent to me before printing and all printing would be done in-house.

The Vickers polarizing microscope returned from repair in much the same shape it went off in. After consulting again with Vickers' representatives, we attempted to make the required adjustments ourselves. Unfortunately some of the problems are inherent in the microscope. A visit from William F. Petty, representative for Zeiss microscopes, has convinced us to essentially abandon the Vickers scope and to clean and upgrade a Zeiss scope already in the group. Packing materials for the scope and a bid for additional parts have arrived from Mr. Petty.



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The Baush and Lomb Stereo Zoom Transfer Scope, a graphical data transfer scope, arrived 4 months late, October 31st. The transfer scope will be used to produce (compile data and draw) the geologic map of the laboratory and immediate vicinity.

Took Wayne R. Hansen on a tour of Areas D and E (and pointed out other undesignated sites of concern at TA-33) and of Area F.

Again reviewed and edited "Geologic Description of Cores from Holes P-3, MH-1 through P-3, MH-5, TA-54" at Bill Purtymun's request.

The shallow pit in the floor of Pit 18, Area G was mapped and the letter report written for Pit 18. We are waiting for the photographs from ISD-7 to complete this project.

The new set of topographic sheets for the laboratory done for engineering planning and used by us for field maps and for the topographic base of the geologic map did not have any cultural information. The set used for field maps now shows roads which were transferred by us from other maps.

All data from the analytical chemistry analysis of various fracture fillings collected on the plateau has been received. Work is in progress to reconstruct the mineralogy from the analysis.

The rest of the time was spent in reading various reports and articles.

MAR:pdb