Dr. ^Alan McPherron Dept. of Anthropology University of Pittsburgh, Pittsburgh, Pennsylvania

Dear Alan:

I am more than pleased with your interest in functional and technological aspects, so much of the general trend has been time consumming boring, meticalous measurements to be graph and computerized when scanning the questions may be answered by simple observation. Your/E. M. will answer more questions regarding use, holding, materials possible being modified,/contamination foreign abraisives, depth and directions of scratches, striations, polish and use flakes. Also could provide clues as to the angle the implement was held and its movement against the surface on which it is used. Wether the tools were abandon when dulled or were resharpened. Alan I feel that I have made a recient discovery that has been overlooked when examining stone artifacts, when looking at the material from the Clovis site from Murrey Springs, (Haynes and Hemming) there was a blade with a single ridge on the dorsal side that was polished, no doubt through use while the margins of the blade were still sharp that indicated that while the blade was still a part of the core it was used prior to detachment. Naturally I had to try this style of a tool and found that the obtuse angle far surpassed any other edge for forming dry bone, antlerhard woods and other unyeilding materials,

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