

Dr. Don E. Crabtree
c/o Idaho State University
Pocatello, Idaho.

June 23, 1979

Dear Dr. Crabtree,

I have just began graduate studies in Anthropology (Archaeology) at the University of California, Davis. I have studied your book, An Introduction To The Technology of Stone Tools, with great admiration. I am very interested in prehistoric lithic technology, and have selected, for my Master's Thesis, an in-depth study of a chert quarry, used by aboriginal Californians, for perhaps several thousand years. This quarry is the only one identified in a rather large drainage approximately 12 miles northwest of Healdsburg, Ca. This drainage was controlled in late prehistoric and ethnographic times by a tribelet of Southern Pomo. Another chert quarry exists in an adjacent drainage, thought to have been controlled by a different tribelet. Obsidian was available from four local sources, all more than 40 miles away. There exists the opportunity to study the interplay between the utilization of local cherts and imported obsidian through time, as well as an intensive analysis of quarry techniques. I shall have access to archaeological site data from as many as 60 prehistoric sites, located in the two previously mentioned drainages, presently under study. These drainages are to be flooded as a result of construction of the Warm Springs Dam, and I am involved with mitigation of impacts to archaeological sites.

Part of my study will involve the attempt to characterize the chert from the two quarries, so as to be able to trace the movement of chert to prehistoric sites. I have tried X-Ray Fluorescence Spectroscopy, with negative results. Literature confirms this method as inadequate. Another attempt will be made to identify the chert by color, percent of inclusions, grain, etc.

My purpose in writing to you is my interest in discerning quarrying techniques, as expressed by the chert outcrops and the flaking debitage. Nobody I have contacted in the local area is aware of any literature, beyond superficial, descriptive site reports, concerning quarry techniques or methods to analyze quarry debitage. I would be immeasurably grateful if you could provide me with some guidance, references, or suggestions. I am anxious to contribute new data and methods to this area of study. Thank you for your con-

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sideration.

June 22, 1979

Sincerely,

Rob Jackson

Rob Jackson
55 William St.
Cotati, Ca.

94928

P.S. If it would be faster or easier, feel more than free to call me collect.

Phone--(707) 795-0108 after 6 P.M. weekdays and anytime weekends

Work - (message) (707) 664-2734 8:30 A.M.-4:30 P.M. weekdays

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