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**The Bancroft Library  
University of California, Berkeley**

**Letter to Prof. Eakle, Univ. of Calif., Berkeley March 16, 1907**

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**Letter**

March 16, 1907.  
Professor A. S. Eakle  
University of California  
Berkeley, California.  
My dear Eakle:

I have a map of Berkeley representing the direction of the throw of chimneys, from which certain interesting deductions appear to be possible. The mapping of the throw of chimneys is, however, incomplete. Last summer, shortly after the earthquake, you undertook to get information as to the direction of the throw of chimneys and the twisting of chimneys which were not thrown, in that portion of Berkeley bounded by San Pablo Avenue, University Avenue and Shattuck Avenue, northward to the limits of the town. Shortly after undertaking this work, you got switched off on to some other line of inquiry, and I have not had, so far as I am aware, any report from you upon the work.

Would it be too much to ask of you to complete the mapping of the direction of the throw of chimneys in the district that I have indicated, marking the direction of throw by an arrow and the direction of the twist by a suitable sign, on the face of a real estate map such as that issued by the Bailey-Dodge Company. As you know, the throw of the chimneys is usually normal to the long edge of the cross-section of the same, and that is usually parallel to one of the walls of the house. At the same time, the direction of the

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throw is rarely strictly normal. On an east and west wall, the direction of the throw is either a little to the east or a little to the west of the normal to the wall, and similarly for other orientations. It is easy to spot the chimneys which were injured by the earthquake, and people will usually have a very clear recollection, for the most part, of the direction of the throw of their chimney, or the direction of the twist if it was not thrown but simply dislocated. The exact orientation is not desired; merely the general orientation, so as to locate into which quadrant of the compass the chimneys were thrown, and on which side of the normal to the long edge of the chimney they were thrown.

By taking a horse and buggy, you could cover the district fairly rapidly, and by inquiring at the individual houses where there are damaged chimneys you could get all the information that is needed. I may say that my report is in an advanced stage of compilation, and it would be a great favor to have the information at an early date. If necessary, you could enlist the assistance of some of your students and thus lighten the work. I will of course be glad to pay the expenses involved.

Yours sincerely