

**NATIONAL RESEARCH COUNCIL
National Aeronautics and Space Administration
Johnson Space Center
Houston, TX 77058**

Dr. V.E. Barnes
Bureau of Economic Geology
Univ. of Texas at Austin
Box X
Univ. Station
Austin, TX 78713-7508

Oct. 16, 1994

Dear Dr. Barnes,

My name is Tim McCoy and I am currently working as a postdoctoral fellow at Johnson Space Center. I recently earned my Ph.D. with Klaus Keil at the Univ. of Hawaii. Since moving to Texas, I have been working on meteorites from Fayette County, Texas, with Dr. Art Ehlmann of Texas Christian University. I have also become interested in bediasites. I am writing to ask you a few questions which I thought you might be able to answer.

1) I have examined the Bluff meteorite specimen at the Texas Memorial Museum and noted that it has had two large pieces sawn off of it. The curator at the Museum has no knowledge of the removal of these pieces. However, a sample of Cedar from the Smithsonian is present in the collection with a note that it was received on 2/5/57 on exchange from the Smithsonian. Do you have any knowledge about the removal of these pieces or their final destination?

2) I have examined Oscar Monnig's tektite collection at Texas Christian University. I find it very interesting that none of the tektites show any evidence of having been worked by the Indians which inhabited the region. Yet, these large tektites would have made excellent arrowheads and the Indians must have been aware of them. Alternatively, tektite collections may contain only unaltered tektites, while worked tektites might be contained within arrowhead collections. Do you know of any evidence for the working of tektites by the Native Americans?

I realize you are probably quite busy, but I would very much appreciate any insights you might provide about these questions. Thank you in advance for your time and effort.

Sincerely,



Tim McCoy
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