

are present in an excavation, it is for the utmost importance that every possible means be employed to identify the material. Where bone material is well represented, however, it is likely that a more substantial and more easily identified part of the animal is also represented. As I will be doing this work on my own, time, naturally, is a practical consideration. Fragments of bone, nevertheless, are highly useful when employed to differentiate larger groupings as, for example, between birds and mammals. Most fragments can be broken down into these two categories. An example of the usefulness in a knowledge of the per cent frequency of bird bones of any two mounds that you might excavate may well mean the difference between whether the mound was inhabited during the winter or summer - that is there would be relatively more bird bones in mounds used in winter than in summer. My suggestion, then, is for you to retain the small fragments of bone, unless you wish me only to relegate them to either birds or mammals. Immaturity and maturity might also have bearing on the seasonal habitation of the Lunckley mounds.

2) The skulls of birds or mammals or any parts thereof, teeth, vertebrae, scapulae, pelvic girdles, Carpals and tarsal bones (larger ungulates) and bones with condylar processes are satisfactory for classification. There are, however, certain groups of animals and birds that are almost indistinguishable. As an example, I find it even today, difficult to distinguish between ribs of the buffalo and the elk.

3) It is important to know whether the buffalo or other large herbivores inhabited the valley in the vicinity of the mouth of Provo River. The presence of skulls of larger mammals might indicate the presence of the larger herbivores in the immediate area of the mound while conversely the presence of only long bones (femora and humeri) would suggest that these larger animals were killed and quartered at some distant point from the area of Indian habitation.

I have indicated one or two thoughts which you might consider as possibly influencing your choice of material to be shipped to me for identification. Regardless of your objectives I would again say that I would be very happy to undertake the identification of your material.