LIMITED EXPERIMENTS IN FLAKED STONE TOOL FUNCTION

(1), Materials. The materials used in our experiments ranged from vitrious and glassy to rough and granualr textures. Range of variation of these textures? These were man made glass; obsidian from different localities; ignimbrite from several sources; basalt; and varieties chalcedony, including that had been artificialy altered by use of indirect heating (Ref. Tetiwa); silt stone; We also used varietys of silicified sediments; quartzites formed by the deposition of chalcedonies in a matrix of sand grains; and meta-quartzites formed by metamorphisim the loosly binding particles of quartz by heat and pressure.

Each material that was made into implements are suited to perform certain functions in the working of different materials. The materials to be shaped and formed by using flaked stone forming tools were bone, antler, ##### fiber, leather and varieties of both hard and soft woods. # The experiments revieled that the material to be formed must be related to the to the material used in the construction of the implement used to perform the shapeing. The forming tool must be be made to suit each particular function in the steps and stages in developeing the particular implement.

The forming tools were made by flakeing and incorporated the use of several techniques of flakeing. Direct percussion was used #

for some of the artifacts and pressure for others. Hard and soft hammerstones, billetsof antler and wood, and the use of indirect percussion using intermediate punches of metal antler and pebbles. The pressure technique was used for retouch ing the edges of othe forming tools. T########################################################## The edges of the artifacts were prepared by the shearring, regular spaceing, alternating each flake, seratting, and removeing the flakes at varying angles to increse # or decreese the angle of the working edge.