

Ancient Technology

Lakeshore Nature Preserve – Summer 2017



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Anthro 352: Ancient Technology and Invention was first taught in 1988 and the area that is currently used for teaching the class was approved by the **Arboretum Committee**.



Five different kilns and a forge were built in 2003

Special thanks to the UW Anthropology, Arboretum Committee, Lakeshore Nature Preserve staff, particularly Laura Wyatt, Bryn Scriver and everyone else who makes this class possible. Previous support from Cathie Bruner and Bill Barker is specially noted.



**Summer
2011**



A total of **483 students** have taken this class since 1988

107 (22%) graduate students
376 (78%) undergraduates,
including returning adults



Eric Godsman and Irene Nakai with
painted and blackened pottery

Graduate student Brad Chase
learning to spin from Karen
Leder in 2001.

Professor Bruce Breckenridge chopping wood for the kiln firing



Ash glazed pottery drum



Firing the Japanese Anagama Kiln with students from the **Art Ceramics** department in 2003





Making stone and using tools as part of the lithics lab in 2003. Students also record and draw the tools that they make.



Received the **1990 N. American Assoc. of Summer Sessions, Creative and Innovative Merit Award**

Undergrad Geoffrey Ludvik with his poster at the Capitol Rotunda, Spring 2011



Now completing his Ph D
dissertation on ancient
bead technology in 2018.



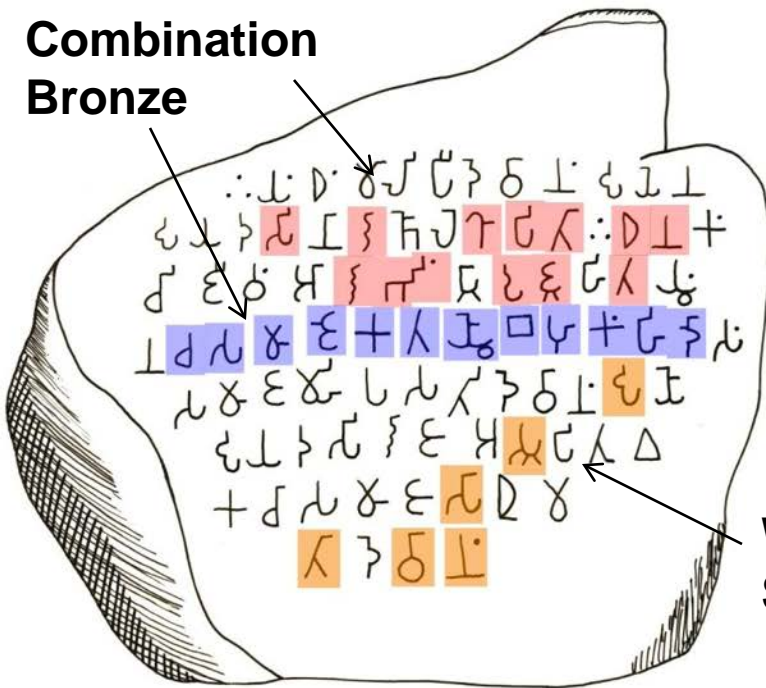
Iron smelting with
Alumnus Ric Furrer
(Door County
Forgeworks)
and visiting blacksmith.
A small bloom was
produced that could be
forged into iron.



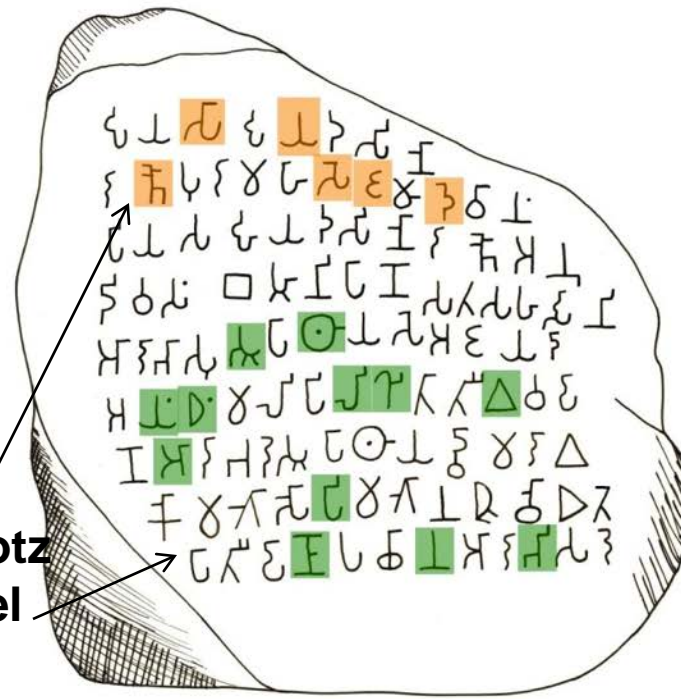
Heather Walder carving
a replica of a 3rd
Century BC Ashokan
inscription using
different types of
chisels



Combination
Bronze



Wootz
Steel



Cultural Heritage Workshop participants from Pakistan visiting the site in August 2011



Mixing
local clay
with straw,
sand and
manure



Building a large
terracotta horse
sculpture in 2001



Kenoyer demonstrating wire sawing technique using abrasives and a wire saw, 2011



Sam chipping
slate to make
an ulu

Loading and building the pit and updraft kilns in 2005



Laying the base of the glass furnace





**Firing the updraft kiln
and a smaller pit kiln in
summer 2003**

**Pit kiln after cooling with
pottery still inside**





**Unloading the
updraft kiln in 2006**

**Heather O'Conner
making shell inlay**



**Christina Cappy
making Agave fibers
for a hammock, 2011**

Folding and
welding steel
using traditional
raw materials
and a Japanese
bellows.



Summer 2006

Bronze casting is usually done at my house rather than at the outdoor lab, because of the many additional tools needed.



Salt curing of hides

Sarah Enameling
experiment in
2007

