

Shang and Western Zhou Art

Design and Technique



Real color of bronze



Copper Ore and Mines in China



Copper ore:
malachite



Copper core mines in Hubei



Copper, tin, and lead



Spread of Metallurgy (2000 BCE)







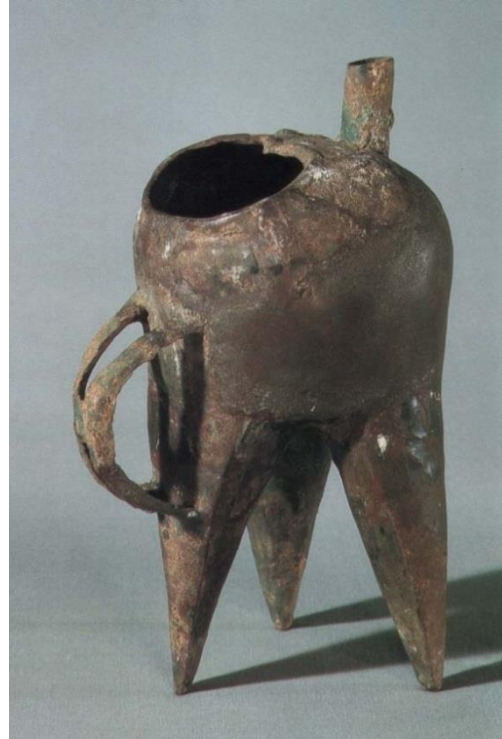
Bronze jue cup from the site of Erlitou, ca. 1600 BCE



Erlitou bronze cup,
17th c. BCE



Erlitou clay cup,
17th c. BCE



Earliest bronze vessels at Erlitou,
ca. 1600 BCE

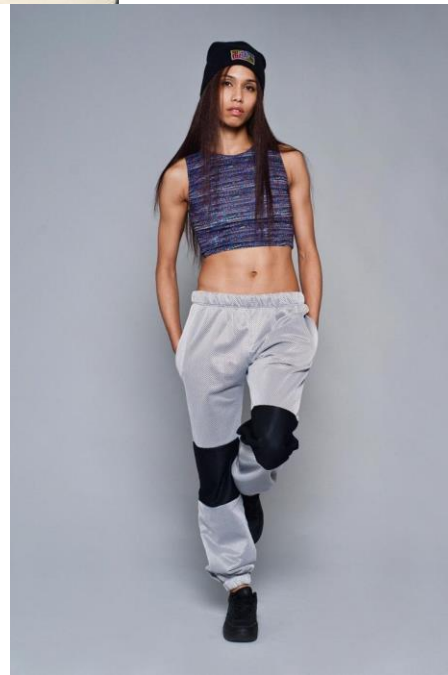


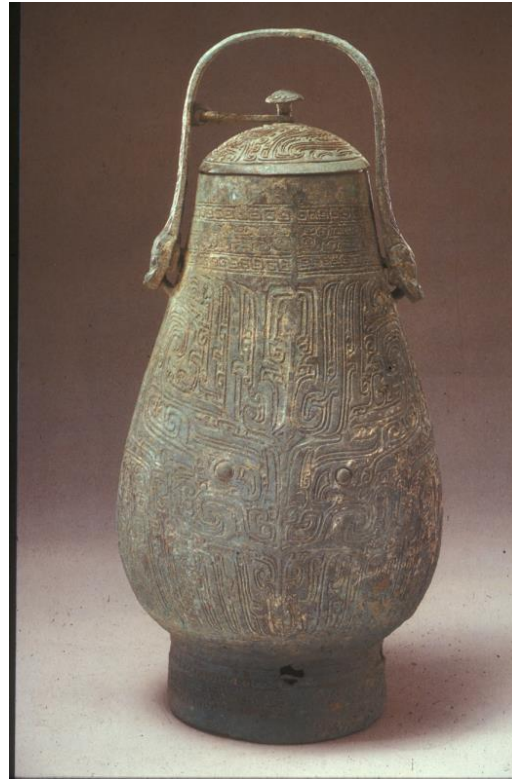
A Persian Phiale in repouseé, 525-450 BCE



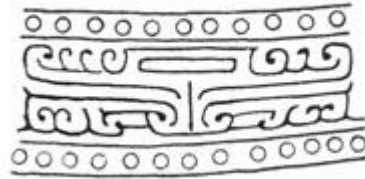












A



B



C



D



E

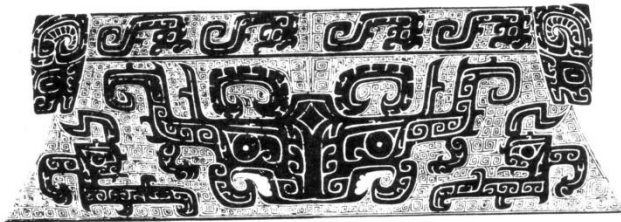
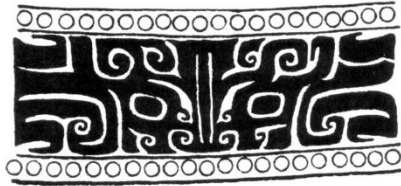
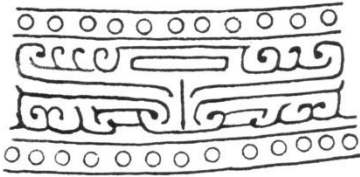
1. E A B C D

2. A E B C D

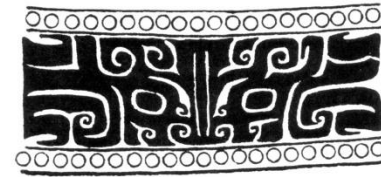
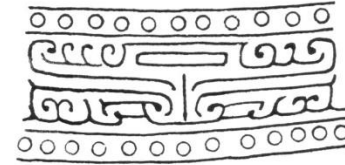
3. A B E C D

4. A B C E D

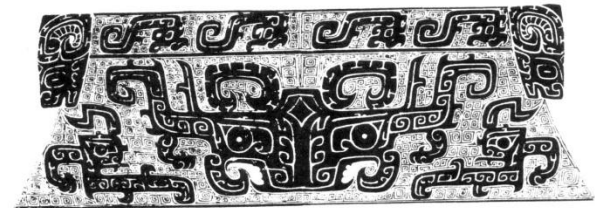
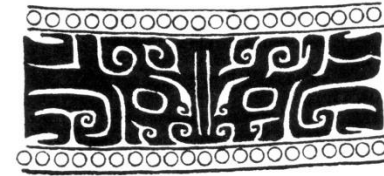
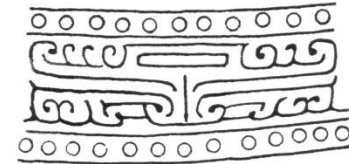
Which Sequence is Right?



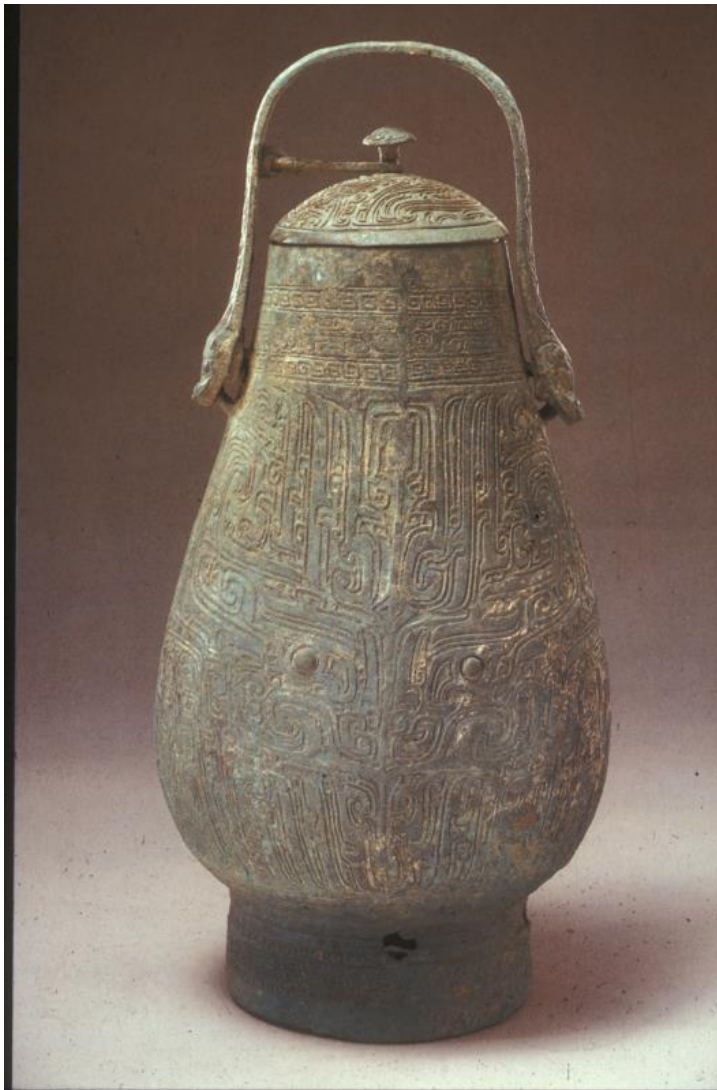
Max Loehr's Five Styles



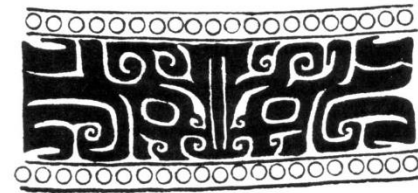
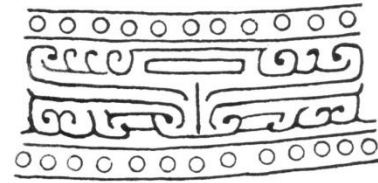
Loehr Style 1



Loehr Style 2

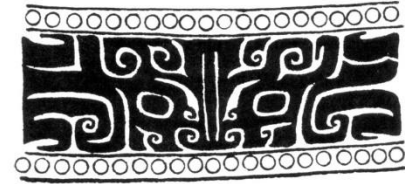
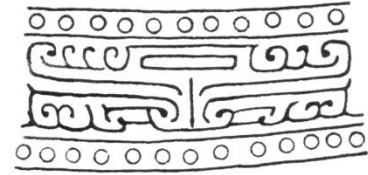


Loehr Style 3



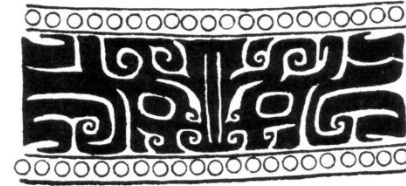
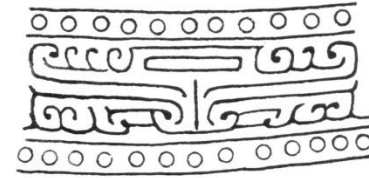


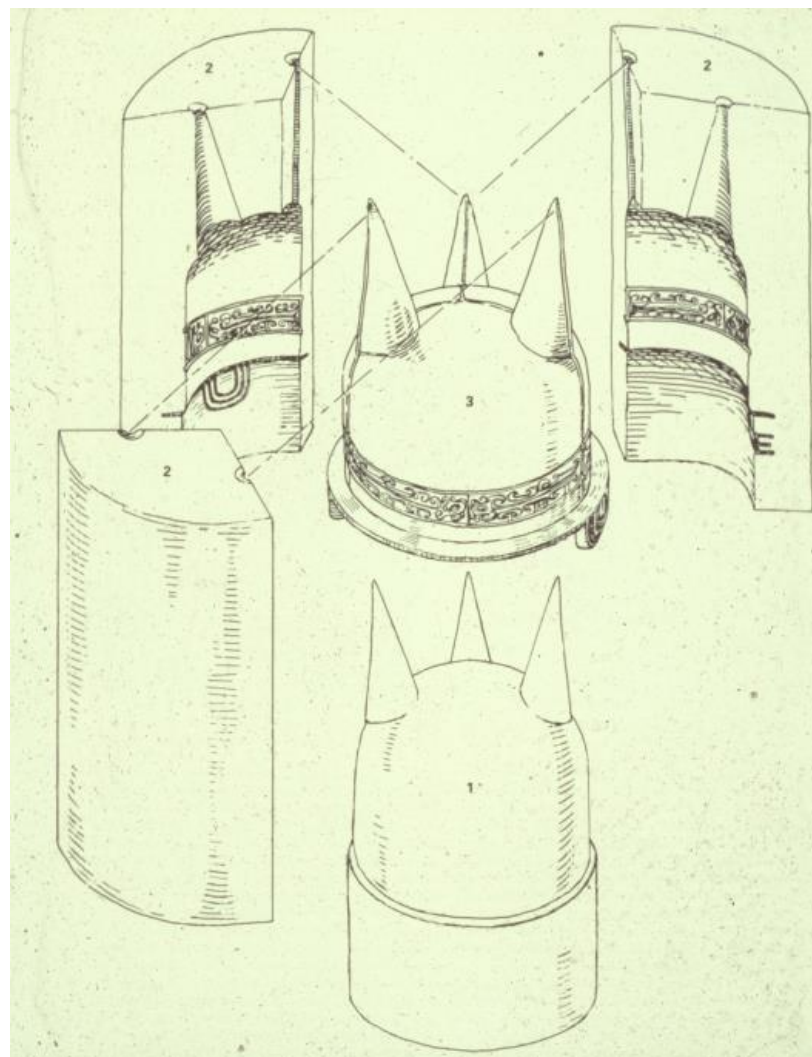
Loehr Style 4





Loehr Style 5





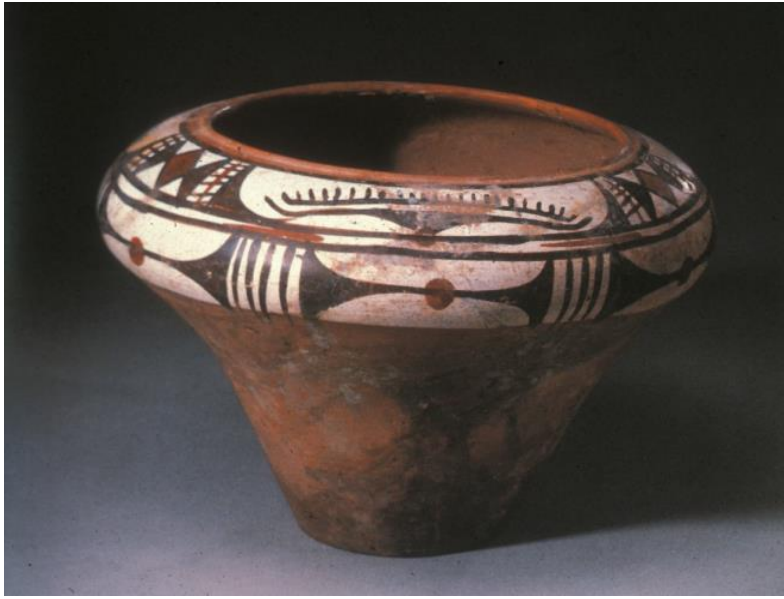
Piece-mold casting
technology

<https://static.artmuseum.princeton.edu/asian-art/archived/creating-a-bronze-vessel/>



Making mold
pieces





Detail, handles and base, fang ding no. 11









Liangzhu Jades collected by the
Shang royal members

“Taotie”





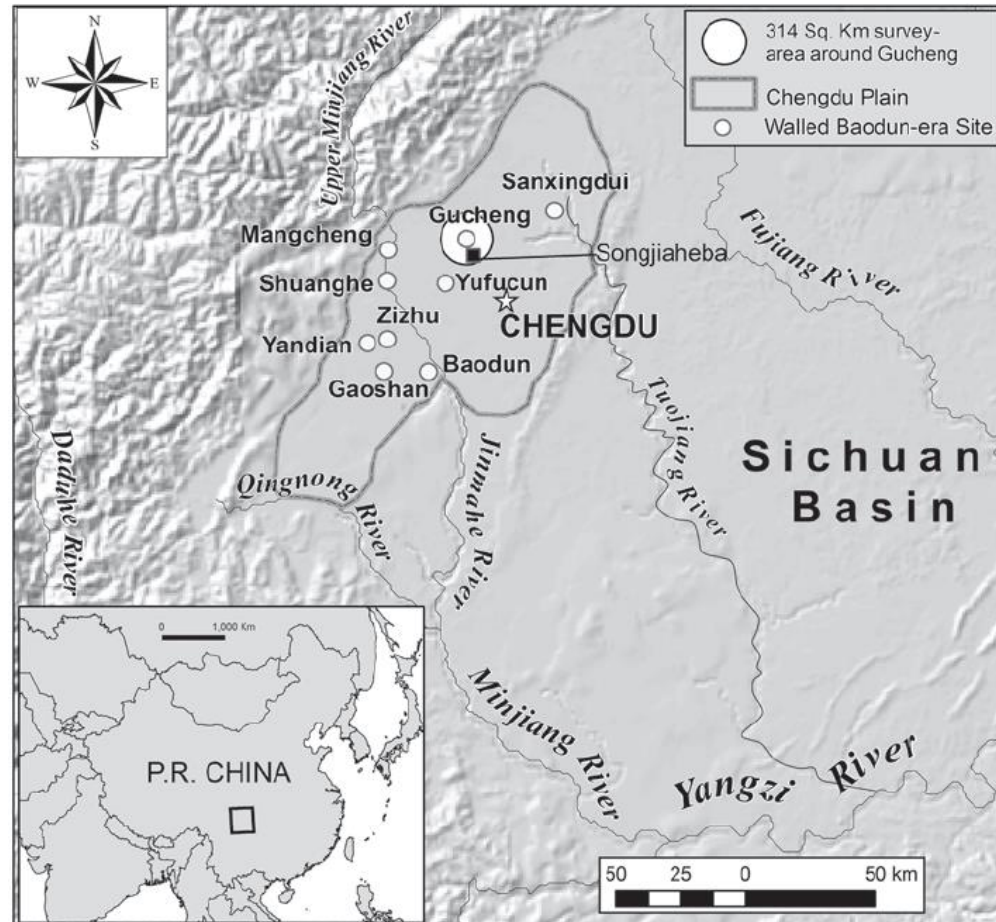
Bird-shaped *zun* Vessel from Fu Hao's tomb, 12th c. BCE

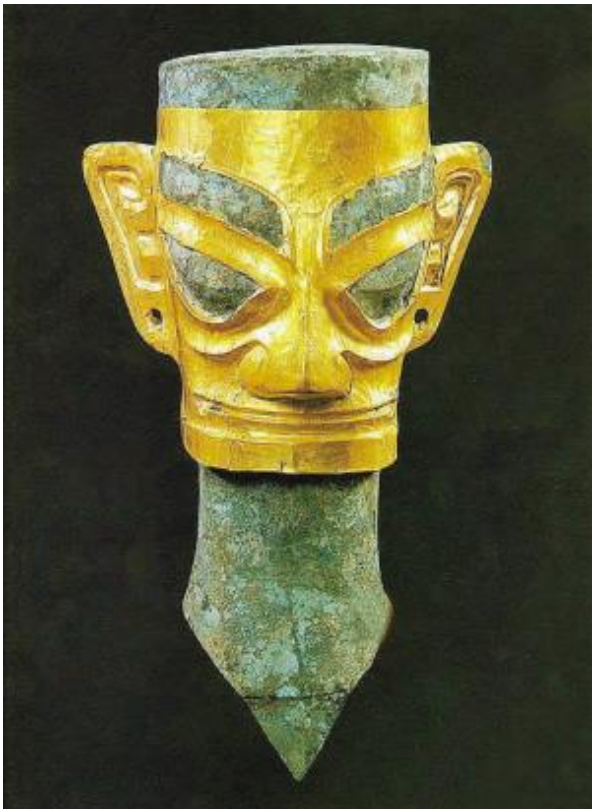


Jade humanoid figurine from Fu Hao's tomb, 12th c. BCE



Sanxingdui sacrificial pits, 13th c. BCE





Humanoid figures from Sanxingdui, 13th c.
BCE





Early Western Zhou bronze, 11-10th c. BCE
"Flamboyant" style



Mid-Western Zhou bronze, 9 c. BCE
“Confronting Birds” motif





Late Western Zhou bronze, 8th c. BCE
“patternization” and “minimalism”
controlled and economic design



Late Zhou interlacery ornamnetation



Shi Qiang pan basin, late Western Zhou,
8th c. BCE



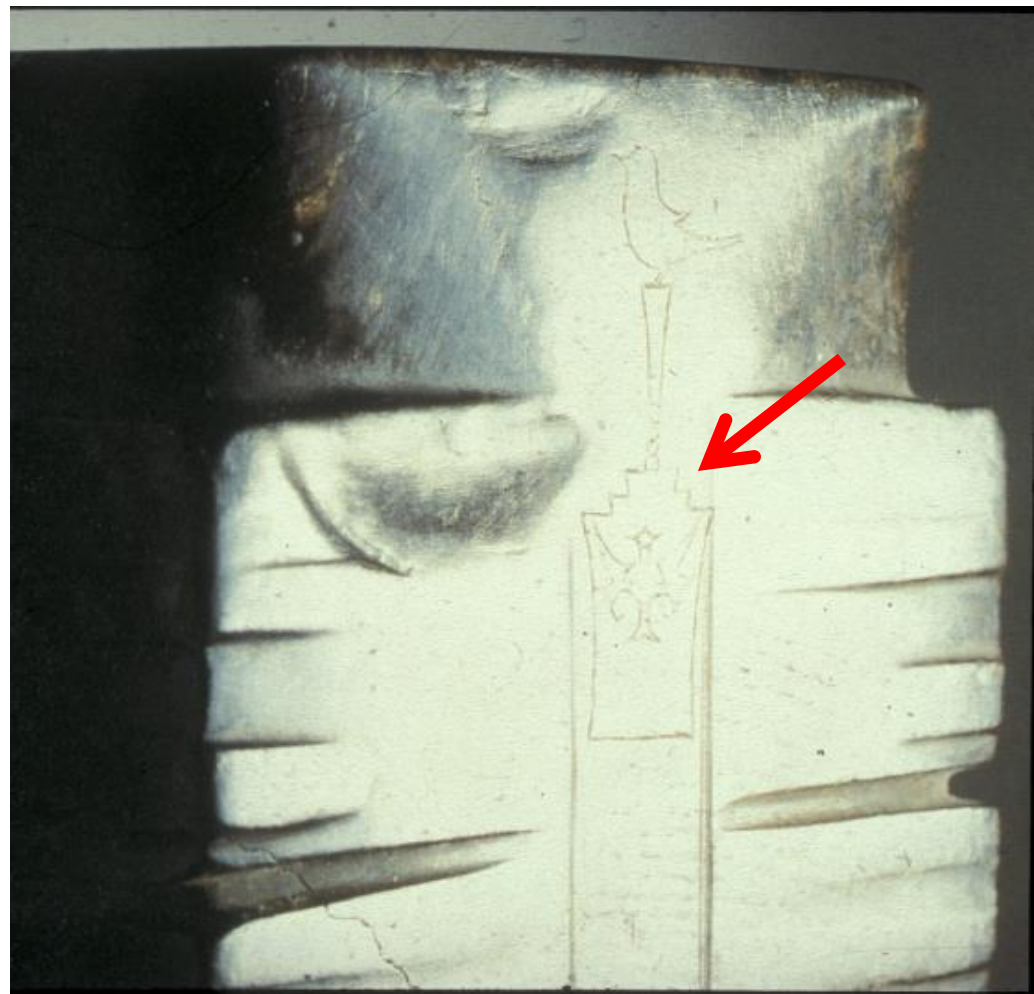
Zhuangbai hoard, late
Western Zhou, 8th c. BCE





Mid-Shang emblem
writing, ca. 14th c. BCE





Neolithic emblem
marks on jade



Shang bronze
inscription, 12th c. BCE





Long Inscription in Early Western Zhou