

## BONE AND TUSK: STAGES OF SHAPING

### Hohle Fels Cave 38.000 BC

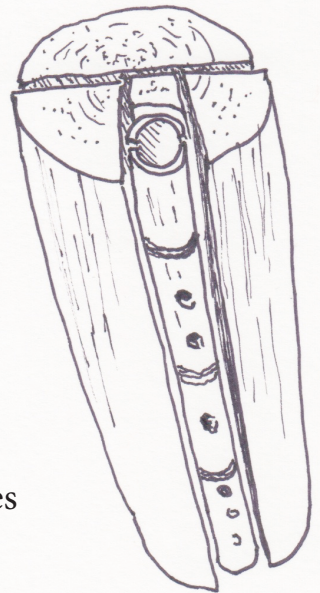
The bone flute from the „Hohlen Fels“ has, unlike most later flute finds, five finger holes instead of four and has a largely intact end with a diagonal cut to which a leaf (e.g. birch bark) can be attached. Thus, a flute becomes a clarinet.

DAI 19: Replica, Deutsches Archäologisches Institut; Orient-Abteilung (Berlin); EMAP: Archaeomusica with the Support of the Culture Programme of the European Union

### Geissenklösterle Flute, 38.000 BC

Among the early flutes, this one has a particularly elaborate technical design. First, a long cylindrical shape was carved out of the massive tusk of a mammoth. This was then divided into two halves, hollowed out and finally reassembled before the finger holes could be attached.

DAI 20: Replica, Deutsches Archäologisches Institut; Orient-Abteilung (Berlin); EMAP: Archaeomusica with the Support of the Culture Programme of the European Union



# Lyre of Novgorod



## THE HOWLING OF WOLVES OVER THE STRINGS

During excavations in Novgorod, several lyres of the Eastern Slavs from the 11th to the 13th century were found. Probably still plucked as well as bowed indiscriminately, they are considered precursor types of Slavic and Scandinavian bowed lyres. They have one feature in common with the early box lyre forms, the material unit of the resonance body with neck and peg holder, formed from the piece of a tree trunk half.

Novgorod, Russia (1.100-1.200 AD)

Rekonstruktion: Thilo Viehrig | Slg. DAI, Inv.-Nr. I-1-Po4-3

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# OCARINAS

## IS THIS A FACE?

Replica of the vascular flute from Uruk (4th to 3rd mill. BC) with reconstruction of the labium. Original: Uruk-Warka Collection of Heidelberg University, W 21790.

3D modelled and printed for the exhibition „MUS-IC-ON! Sound of Antiquity“ at the Martin von Wagner Museum in 2019 by Johannes Vãthjunker.

How it sounds:



## OCARINA MEANS LITTLE GOOSE.

Clay pipes to imitate bird calls were popularly sold at Italian fairs in the 19th century. From this, the potter Giuseppe Donati from Budrio developed the concert ocarina around 1850. His ocarina ensemble started a European tour in Vienna in 1873 in the Circus Renz, which triggered an ocarina boom in all the countries visited.

Ocarina, Vienna around 1900  
SMM R 27

